

**Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary**

The following information is a summary of baseline water monitoring data gathered for the Lila Canyon Mine area. Data is taken from spring/seep inventories as well as surface water stations for the Horse Canyon Mine and South Lease Area taken by Earthfax Engineering, Inc. for the Los Angeles Department of Water and Power (I.P.A.).

Locations of all monitored sites are shown on Plate 7-1 of this permit.

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**Appendix 7-1
Lila Canyon Mine**

Baseline Monitoring Data

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 Baseline Water Data Summary

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Seep/Spring: Number 1

Seep/Spring 1	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.35	8.20	8.02	-	7.77	8.11	7.79
Cond. (umhos/cm)	430	670	790	-	780	659	962
Flow Rate (gpm)	2	1.5	17	Dry	<0.05	<0.25	1.5
Temp. (c)	8	14	7	-	16	8	8
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	418	433	527	-	466	372	475
Carbonate as CO ₃ , mg/L	<1	<1	9	-	<1	<1	1.2
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	-	<0.4	<0.2	<1
Chloride, mg/L	10	12	26.4	-	12	18.5	7.3
Fluoride, mg/L	<0.2	<0.2	0.24	-	<0.2	0.19	0.16
Hardness, EDTA Titration, mg/L	352	365	373	-	453	281	279
Mercury, as Hg, mg/L	<0.000 2	<0.000 2	<0.000 2	-	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	0.08	0.090	0.061	-	0.053	<0.02	0.036
Nitrite, Nitrogen, mg/L	0.010	0.0086	0.011	-	0.009	<0.01	<0.005
Phosphorus, Total, mg/L	0.02	0.078	<0.02	-	0.368		
Sulfate, mg/L	100	103	297	-	112	59.3	61.7
Sulfide, mg/L	<0.1	<0.1	<0.1	-	<0.1	<0.5	0.21
Total Dissolved Solids, mg/L	482	516	850	-	505	394	435
Aluminum (T), as Al, mg/L	<0.02	0.884	<0.1	-	2.14	0.133	0.060
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	-	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.06	0.091	0.053	-	0.210	0.10	0.103

Seep/Spring 1	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	<0.1	0.12	0.202	-	0.084	0.082	0.063
Cadmium (T), as Cd, mg/L	<0.005	<0.005	<0.01	-	<0.01	<0.01	<0.01
Calcium (T), as Ca, mg/L	55.8	59.9	51.6	-	92.8	43.3	41.7
Chromium (T), as Cr, mg/L	<0.005	<0.005	<0.01	-	<0.01	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Iron (T), as Fe, mg/L	<0.04	1.34	0.100	-	4.89	0.125	0.080
Lead (T), as Pb, mg/L	<0.01	0.02	<0.02	-	<0.02	<0.02	<0.02
Magnesium (T), as Mg, mg/L	50.5	50.9	63.8	-	56.6	37.6	37.5
Manganese (T), as Mn, mg/L	0.01	0.087	0.013	-	1.29	0.015	<0.01
Molybdenum (T), as Mo, mg/L	<0.01	<0.01	<0.04	-	<0.04	<0.04	<0.01
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Potassium (T), as K, mg/L	0.9	1.13	3.70	-	2.36	0.736	0.47
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	45.7	46.9	169	-	53.5	41.3	41.3
Zinc (T), as Zn, mg/L	<0.02	0.012	0.012	-	0.028	<0.01	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	-	<0.01	-	-	0.205	<0.01
Comments	-	-	-	-	-	claystone, wildlife	claystone, wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number 1A

Seep/Spring 1A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	8.00	-	-	-	7.76
Cond. (umhos/cm)	-	-	790	-	-	-	1061
Flow Rate (gpm)	Dry	Dry	0.5	Seep	Seep	Dry	.5
Temp. (c)	-	-	7	8	-	-	7
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 1A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Sandstone, Wildlife	Sandstone, Wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number 1B

Seep/Spring 1B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	-
Cond. (umhos/cm)	-	-	-	-	-	-	-
Flow Rate (gpm)	Wet	Wet	-	Dry	Dry	Dry	Seep
Temp. (c)	-	-	-	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 1B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	Could not find.	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 2

Seep/Spring 2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.50	-	7.80	-	-	-	-
Cond. (umhos/cm)	500	-	760	-	-	-	-
Flow Rate (gpm)	2	Dry	0.5	Seep	Dry	-	-
Temp. (c)	7	-	7	10	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 3

Seep/Spring 3	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.31	8.23	8.00	-	-	8.19	8.07
Cond. (umhos/cm)	590	934	710	-	-	855	1000
Flow Rate (gpm)	<0.5	1	2	Seep	Dry	<0.25	.5
Temp. (c)	9	17	8	9	-	8	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 3	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	sandstone, wildlife	sandstone, wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 3A

Seep/Spring 3A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	7.88	-	-	7.87	7.68
Cond. (umhos/cm)	-	-	590	-	-	743	1085
Flow Rate (gpm)	Dry	Dry	5	Dry	Dry	.5	1
Temp. (c)	-	-	8	-	-	11	9
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 3A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	sandstone, wildlife	sandstone, wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 3B

Seep/Spring 3B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.35	7.96	7.61	-	-	7.80	8.01
Cond. (umhos/cm)	500	638	510	-	-	750	1080
Flow Rate (gpm)	2	1.25	10	Dry	Dry	.25	1.5
Temp. (c)	9	10	8	-	-	10	11
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 3B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	shale, wildlife	shale, wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

MAY 18 2007

Seep/Spring: Number 3C

Seep/Spring 3C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.24	8.07	8.28	-	-	-	-
Cond. (umhos/cm)	460	623	560	-	-	-	-
Flow Rate (gpm)	0.5	2	Seep	Seep	Dry	-	-
Temp. (c)	11	19	8	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 3C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

JUL 18 2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

MAY 18 2007

Seep/Spring: Number 3D

Seep/Spring 3D	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.35	7.74	8.10	-	-	-	-
Cond. (umhos/cm)	501	631	390	-	-	-	-
Flow Rate (gpm)	0.5	0.5	5	Seep	-	-	-
Temp. (c)	9	12	8	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 3D	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	shale, wildlife	shale, wildlife

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

JAY 18 2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

JULY 18 2007

Seep/Spring: Number 4

Seep/Spring 4	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	8.00	7.68	-	-	-	7.94
Cond. (umhos/cm)	-	856	830	-	-	-	1190
Flow Rate (gpm)	Dry	0.25	3	1	Dry	Dry	2
Temp. (c)	-	11	7	6	-	-	8
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 4	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	snow covers most of area	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

MAY 13 2007

Seep/Spring: Number 5

Seep/Spring 5	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	8.05	-	-	-	7.52
Cond. (umhos/cm)	-	-	950	-	-	-	1058
Flow Rate (gpm)	Dry	Seep	3	Seep	Dry	Dry	1
Temp. (c)	-	-	7	-	-	-	6
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 5	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	snow covers most of area.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

JUL 18 2007

Seep/Spring: Number 6

Seep/Spring 6	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.20	-	-	-	-	7.55	-
Cond. (umhos/cm)	610	-	-	-	-	894	-
Flow Rate (gpm)	<0.05	-	-	Seep	Seep	.25	Dry
Temp. (c)	9	-	-	-	-	7	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 6	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	Not found.	Not found.	Snow covers most of area.	-		

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

JUL 13 2007

Seep/Spring: Number 7

Seep/Spring 7	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.23	7.78	-	-	-	8.36	7.78
Cond. (umhos/cm)	485	983	-	-	-	1040	8.79
Flow Rate (gpm)	0.5	0.5	Seep	3	Seep	<0.25	.75
Temp. (c)	9	9	-	6	-	7	8
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 7	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Snow melt.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

REV 10 2007

Seep/Spring: Number 8

Seep/Spring 8	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.33	7.98	7.79	8.14	7.74	7.74	7.85
Cond. (umhos/cm)	550	676	400	688	915	789	1043
Flow Rate (gpm)	0.25	0.25	3	1.5	<0.5	0.5	<0.25
Temp. (c)	9	13	7	7	18	8	20
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 8	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Snow melt included.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

REV 10 2007

Seep/Spring: Number 8A

Seep/Spring 8A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.42	8.11	8.06	-	-	7.78	7.97
Cond. (umhos/cm)	585	688	160	-	-	764	1020
Flow Rate (gpm)	0.5	0.5	7	1	Dry	.25	1.5
Temp. (c)	12	23	8	6	-	9	7
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 8A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Snow melt included.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

APR 18 2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

REV. 12 2007

Seep/Spring: Number 8B

Seep/Spring 8B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	7.88	-
Cond. (umhos/cm)	-	-	-	-	-	895	-
Flow Rate (gpm)	-	-	-	-	Dry	<0.25	-
Temp. (c)	-	-	-	-	-	10	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 8B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Not found.	Not found.	Not found.	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

10/18/2007

Seep/Spring: Number 9 L-7-6

Seep/Spring 9	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.37	8.01	8.21	8.21	8.15	8.20	6.45
Cond. (umhos/cm)	610	780	650	712	925	885	1000
Flow Rate (gpm)	1	0.5	20	Seep	<0.5	1	<0.25
Temp. (c)	8	14	8	9	18	6	9
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	497	535	463	-	561	501	495
Carbonate as CO ₃ , mg/L	<1	<1	7	-	<1	1.2	2.3
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	-	<0.4	<0.2	<1
Chloride, mg/L	10	11	11.2	-	12.5	13.9	12.1
Fluoride, mg/L	<0.02	<0.2	0.16	-	<0.2	0.18	0.18
Hardness, EDTA Titration, mg/L	374	411	328	-	405	381	376
Mercury, as Hg, mg/L	<0.000 2	<0.000 2	<0.000 2	-	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	<0.02	0.030	<0.02	-	<0.02	<0.02	<0.02
Nitrite, Nitrogen, mg/L	0.009	0.0071	<0.005	-	0.0090	<0.01	<0.005
Phosphorus, Total, mg/L	0.02	0.024	<0.02	-	0.038	-	-
Sulfate, mg/L	97	110	101	-	101	99.6	119
Sulfide, mg/L	<0.01	<0.1	0.11	-	0.38	<0.5	0.18
Total Dissolved Solids, mg/L	548	659	534	-	621	568	589
Aluminum (T), as Al, mg/L	0.08	0.335	<0.1	-	0.058	<0.1	0.041
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	-	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.09	0.104	0.103	-	0.124	0.114	0.114

Seep/Spring 9	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	<0.01	0.078	0.097	-	0.061	0.028	0.052
Cadmium (T), as Cd, mg/L	<0.005	<0.005	<0.01	-	<0.01	<0.01	<0.01
Calcium (T), as Ca, mg/L	57.8	64.1	59.7	-	69.8	60.2	55.5
Chromium (T), as Cr, mg/L	<0.005	<0.005	<0.01	-	<0.01	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Iron (T), as Fe, mg/L	0.09	0.465	0.067	-	0.056	0.064	0.058
Lead (T), as Pb, mg/L	<0.01	0.026	<0.02	-	<0.02	<0.02	<0.02
Magnesium (T), as Mg, mg/L	52.5	56.9	52.4	-	61.1	52.9	51.8
Manganese (T), as Mn, mg/L	0.01	0.032	0.052	-	0.153	0.022	0.040
Molybdenum (T), as Mo, mg/L	0.01	<0.01	<0.04	-	<0.04	<0.04	<0.01
Nickel (T), as Ni, mg/L	<0.01	0.013	<0.01	-	<0.01	<0.01	<0.01
Potassium (T), as K, mg/L	0.7	0.59	<0.1	-	1.88	1.12	0.80
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	64.0	69.5	68.2	-	74.9	68.5	72.3
Zinc (T), as Zn, mg/L	<0.02	0.023	<0.01	-	0.145	<0.01	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	0.014	<0.01
Comments	-	-	<0.01	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

10/1/95 2057

Seep/Spring: Number 9R

Seep/Spring 9R	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.37	8.19	7.86	-	-	-	-
Cond. (umhos/cm)	580	793	590	-	-	-	-
Flow Rate (gpm)	<0.5	1	1	N/A	Dry	-	2
Temp. (c)	9	17	8	-	-	-	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 9R	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	Sandstone, trough

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

2007

Seep/Spring: Number 10

Seep/Spring 10	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.58	7.80	8.24	8.27	7.76	7.63	7.90
Cond. (umhos/cm)	810	802	760	813	849	855	1046
Flow Rate (gpm)	1	3	5	3.5	1	<0.25	2
Temp. (c)	9	9.5	13	12	12	10	15
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	482	472	446	-	466	500	481
Carbonate as CO ₃ , mg/L	<1	<1	6	-	<1	<1	<1
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	-	<0.4	<0.2	<1
Chloride, mg/L	13	11	12.2	-	11	11.8	11.5
Fluoride, mg/L	<0.2	<0.2	0.15	-	<0.2	0.16	0.18
Hardness, EDTA Titration, mg/L	427	440	407	-	425	455	471
Mercury, as Hg, mg/L	<0.000 2	<0.000 2	<0.000 2	-	<0.0002	<0.0002	<0.000 2
Nitrate, Nitrogen, mg/L	0.04	0.052	0.048	-	0.030	0.132	0.033
Nitrite, Nitrogen, mg/L	0.009	0.0056	<0.005	-	<0.005	<0.01	<0.005
Phosphorus, Total, mg/L	0.07	<0.02	<0.02	-	0.041	-	-
Sulfate, mg/L	173	184	171	-	194	184	202
Sulfide, mg/L	<0.21	<0.1	<0.1	-	<0.1	<0.5	<0.1
Total Dissolved Solids, mg/L	626	634	603	-	637	630	694
Aluminum (T), as Al, mg/L	0.34	0.030	<0.1	-	0.496	0.793	0.051
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	-	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.04	0.038	0.055	-	0.037	0.040	0.069

Seep/Spring 10	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	<0.1	0.061	<0.05	-	0.038	0.085	0.038
Cadmium (T), as Cd, mg/L	<0.005	<0.005	<0.01	-	<0.01	<0.01	<0.01
Calcium (T), as Ca, mg/L	68.3	71.8	69	-	78.9	76.7	68.9
Chromium (T), as Cr, mg/L	0.006	<0.005	<0.01	-	<0.01	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Iron (T), as Fe, mg/L	0.64	0.039	<0.01	-	0.561	0.775	0.080
Lead (T), as Pb, mg/L	0.010	<0.02	<0.02	-	<0.02	<0.02	<0.02
Magnesium (T), as Mg, mg/L	56.0	58.0	58	-	65.4	58.6	64.4
Manganese (T), as Mn, mg/L	0.02	<0.01	<0.01	-	0.073	0.077	0.056
Molybdenum (T), as Mo, mg/L	0.01	<0.01	<0.04	-	<0.04	<0.04	<0.01
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01
Potassium (T), as K, mg/L	0.7	0.84	0.91	-	1.13	1.20	1.5
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	57.4	60.2	61	-	63.5	60.9	63.4
Zinc (T), as Zn, mg/L	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	-	<0.01	-	-	0.060	0.034
Comments	-	-	-	Some snow melt.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

MAY 18 2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

JUL 13 2007

Seep/Spring: Number 10A

Seep/Spring 10A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.69	7.92	-	-	-	-	-
Cond. (umhos/cm)	880	758	-	-	-	-	-
Flow Rate (gpm)	1	1.5	-	-	-	-	-
Temp. (c)	9	10.5	-	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 10A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	New spring August 1995.	New spring August 1995.	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

MAY 18 2007

Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

MAY 13 2007

Seep/Spring: Number 11

Seep/Spring 11	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.97	8.05	8.11	-	-	8.15	8.19
Cond. (umhos/cm)	1105	1151	1330	-	-	1180	3680
Flow Rate (gpm)	1	3	Seep	Wet	Wet	2	<0.25
Temp. (c)	11	15	12	-	-	12	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 11	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Total flow at road.	Total flow at road.			-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

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Seep/Spring: Number 12

Seep/Spring 12	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	7.63	7.87	-	-	-
Cond. (umhos/cm)	-	-	1710	1660	-	-	-
Flow Rate (gpm)	Seep	Seep	<0.25	Seep	-	-	-
Temp. (c)	-	-	11	8	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Standing water.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

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Seep/Spring: Number 12A

Seep/Spring 12A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.08	8.20	7.54	8.35	7.88	8.07	7.81
Cond. (umhos/cm)	510	1124	1550	1330	3130	1138	2070
Flow Rate (gpm)	<0.25	<0.25	4	0.5	Seep	0.25	0.25
Temp. (c)	7	19	8.5	7	15	9	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Sandstone.	Sandstone.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

JULY 18 2007

Seep/Spring: Number 12B

Seep/Spring 12B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	6.20	8.57	8.05	8.19	7.64	8.38	8.12
Cond. (umhos/cm)	1005	1126	1080	1170	1300	1148	1760
Flow Rate (gpm)	<0.25	<0.25	1.5	1	<0.12	<0.25	0.25
Temp. (c)	2	31	9	8	9	11	11
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Snowmelt and water from 12C.	-	Sandstone, shale.	Sandstone, shale

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

2007

Seep/Spring: Number 12C

Seep/Spring 12C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	8.66	8.29	8.5	-	8.27	8.24
Cond. (umhos/cm)	-	1102	1090	1540	-	1161	1716
Flow Rate (gpm)	Seep	Seep	<0.5	1	Wet	0.5	0.5
Temp. (c)	-	25	8.5	8.5	-	10	7
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Limey Shale.	Limey Shale.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

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Seep/Spring: Number 12D

Seep/Spring 12D	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	8.23	7.67	8.5	-	8.24	7.96
Cond. (umhos/cm)	-	1213	3800	1980	-	1174	4520
Flow Rate (gpm)	Dry	<0.25	Seep	<0.25	Dry	0.5	<0.25
Temp. (c)	-	14	12	10	-	11	15
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12D	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Shale, limestone.	Shale, limestone.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
Lila Canyon Mine
Baseline Water Data Summary

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Seep/Spring: Number 12E

Seep/Spring 12E	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.97	-	7.97	-	-	-	-
Cond. (umhos/cm)	1650	-	1950	-	-	-	-
Flow Rate (gpm)	<0.5	Wet	<0.25	Seep	Seep	-	-
Temp. (c)	10	-	8	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 12E	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
 Lila Canyon Mine
 Baseline Water Data Summary

INCORPORATED

MAY 18 2007

Div. of Oil, Gas & Mining

Seep/Spring: Number 13

Seep/Spring 13	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.03	-	8.17	8.16	-	8.01	7.88
Cond. (umhos/cm)	1005	-	1050	1180	-	1151	1386
Flow Rate (gpm)	2	Wet	2	1	Moist	0.25	1
Temp. (c)	11	-	15	10	-	10	14
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 13	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Flows approx. 100'.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Basic Management, LLC
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 Baseline Water Data Summary

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Seep/Spring: Number 13A

Seep/Spring 13A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.02	-	-	-	-	-	8.03
Cond. (umhos/cm)	1210	-	-	-	-	-	1934
Flow Rate (gpm)	1	Dry	Dry	Dry	Dry	Dry	<0.25
Temp. (c)	9	-	-	-	-	-	14
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 13A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 13B

Seep/Spring 13B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.05	-	8.37	-	-	8.57	8.06
Cond. (umhos/cm)	1180	-	1020	-	-	1162	2216
Flow Rate (gpm)	2	Wet	3	Seep	Moist	<0.25	<0.25
Temp. (c)	8	-	15	-	-	11	12
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 13B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	No flow but damp.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring 13Z	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Not found.	-	-	-	No flow but damp.	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 13Z

Seep/Spring 13Z	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	7.78	7.57	-	-	8.14	7.84
Cond. (umhos/cm)	-	819	940	-	-	1253	1375
Flow Rate (gpm)	-	0.25	0.1	Seep	Moist	<0.25	1
Temp. (c)	-	16	15	-	-	13	12
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

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Seep/Spring: Number 14

Seep/Spring 14	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.99	8.53	8.11	8.41	8.28	7.89	-
Cond. (umhos/cm)	1480	1127	1600	1620	2020	1183	-
Flow Rate (gpm)	8	1	1	2	<0.5	<0.25	1
Temp. (c)	10	24	15	9	23	11	19
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	563	593	541	571	552	555	568
Carbonate as CO ₃ , mg/L	<1	<1	7	<1	5	<1	9.4
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.2	<1
Chloride, mg/L	40	44	43.6	45	43	63.2	45.6
Fluoride, mg/L	0.2	0.23	0.23	0.24	0.26	0.26	0.26
Hardness, EDTA Titration, mg/L	591	556	570	570	553	599	647
Mercury, as Hg, mg/L	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	<0.02	<0.01	0.047	<0.4	<0.02	<0.02	<0.02
Nitrite, Nitrogen, mg/L	0.008	0.0078	<0.005	<0.005	0.0063	<0.01	<0.005
Phosphorus, Total, mg/L	0.06	0.023	<0.02	-	<0.02	-	-
Sulfate, mg/L	663	700	690	678	681	679	756
Sulfide, mg/L	<0.01	0.25	<0.1	<0.1	<0.1	<0.5	<0.1
Total Dissolved Solids, mg/L	1420	1500	1340	1420	1460	1500	1614
Aluminum (T), as Al, mg/L	0.05	0.134	<0.1	0.105	0.086	<0.1	0.037
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	<0.02	0.091	0.015	0.018	0.017	0.017	0.022

Seep/Spring 14	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	0.2	0.23	0.242	0.212	0.191	0.233	0.213
Cadmium (T), as Cd, mg/L	<0.005	<0.005	<0.01	<0.005	<0.01	<0.01	<0.01
Calcium (T), as Ca, mg/L	59.3	57.8	60.2	58.6	60.3	60.4	60.2
Chromium (T), as Cr, mg/L	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01	<0.01
Iron (T), as Fe, mg/L	0.07	0.162	0.015	0.102	0.092	0.032	0.07
Lead (T), as Pb, mg/L	<0.01	<0.02	<0.02	<0.005	<0.02	<0.02	0.02
Magnesium (T), as Mg, mg/L	102	101	103	99.3	104	98.3	104
Manganese (T), as Mn, mg/L	<0.01	0.013	<0.01	99.3	<0.01	<0.01	<0.01
Molybdenum (T), as Mo, mg/L	0.02	<0.01	<0.04	0.013	<0.04	<0.04	<0.01
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	0.0069	<0.01	<0.01	<0.01
Potassium (T), as K, mg/L	1.1	1.35	1.16	1.34	1.37	1.89	1.4
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	271	286	281	268	292	270	276
Zinc (T), as Zn, mg/L	<0.02	0.024	0.466	0.054	<0.01	<0.01	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	-	<0.01	0.033	-	0.011	<0.01
Comments	-	-	-	-	-	Tank.	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 14A

Seep/Spring 14A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	8.06
Cond. (umhos/cm)	-	-	-	-	-	-	1500
Flow Rate (gpm)	Wet	Wet	Dry	Seep	Dry	Dry	1
Temp. (c)	-	-	-	-	-	-	15
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 14A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	No flow but damp.	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 15

Seep/Spring 15	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	7.68
Cond. (umhos/cm)	-	-	-	-	-	-	1045
Flow Rate (gpm)	Dry	Dry	Wet	Dry	Dry	Dry	<0.25
Temp. (c)	-	-	-	-	-	-	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 15	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 15A

Seep/Spring 15A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	8.23	8.63	-	8.22	7.86
Cond. (umhos/cm)	-	-	560	885	-	1025	1060
Flow Rate (gpm)	Wet	Wet	0.25	<1	Moist	0.5	<0.25
Temp. (c)	-	-	12	9	-	8	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 15A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Large rock in creek channel.	-	Sandst one, silt.	Sandst one, silt.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 15B

Seep/Spring 15B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	7.92
Cond. (umhos/cm)	-	-	-	-	-	-	1009
Flow Rate (gpm)	Dry	Dry	Dry	Seep	Dry	Seep	<0.25
Temp. (c)	-	-	-	-	-	-	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 15B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Limey sandst one, silt.	Limey sandst one, silt.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 15C

Seep/Spring 15C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	-
Cond. (umhos/cm)	-	-	-	-	-	-	-
Flow Rate (gpm)	Dry	Wet	Dry	Dry	Dry	Seep	Seep
Temp. (c)	-	-	-	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 15C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Sansto ne, limesto ne.	Sandst one, limesto ne.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 16 (16Z)

Seep/Spring 16	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.27	7.97	8.19	7.90	7.97	8.07	-
Cond. (umhos/cm)	600	818	610	882	1000	945	-
Flow Rate (gpm)	2	0.75	1	2	<0.5	0.5	1
Temp. (c)	6	14	12	7	18	8	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	500	530	457	-	-	498	473
Carbonate as CO ₃ , mg/L	<1	<1	8	-	-	<1	10.5
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	-	-	<0.2	<1
Chloride, mg/L	18	17	19.3	-	-	19.0	19.0
Fluoride, mg/L	<0.2	<0.2	0.17	-	-	0.16	0.19
Hardness, EDTA Titration, mg/L	334	350	304	-	-	356	310
Mercury, as Hg, mg/L	<0.000 2	<0.00 02	<0.00 02	-	-	<0.000 2	
Nitrate, Nitrogen, mg/L	<0.02	0.014	0.029	-	-	<0.02	<0.02
Nitrite, Nitrogen, mg/L	0.008	0.0056	<0.00 5	-	-	<0.01	<0.005
Phosphorus, Total, mg/L	0.02	<0.02	<0.02	-	-	-	-
Sulfate, mg/L	134	134	137	-	-	150	137
Sulfide, mg/L	<0.1	0.15	<0.1	-	-	<0.5	0.32
Total Dissolved Solids, mg/L	592	627	584	-	-	654	638
Aluminum (T), as Al, mg/L	<0.02	0.018	<0.1	-	-	<0.1	0.064
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	-	-	<0.04	<0.04
Barium (T), as Ba, mg/L	0.05	0.059	0.048	-	-	0.049	0.079

Seep/Spring 16	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	<0.1	0.12	0.087	-	-	0.074	0.093
Cadmium (T), as Cd, mg/L	<0.005	<0.005	<0.01	-	-	<0.01	<0.01
Calcium (T), as Ca, mg/L	51.9	49.4	43.1	-	-	47.3	37.6
Chromium (T), as Cr, mg/L	<0.005	<0.005	<0.01	-	-	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	-	-	<0.01	<0.01
Iron (T), as Fe, mg/L	<0.04	0.115	0.161	-	-	0.060	
Lead (T), as Pb, mg/L	<0.01	0.024	<0.02	-	-	<0.02	
Magnesium (T), as Mg, mg/L	58.1	54.1	50.2	-	-	52.2	
Manganese (T), as Mn, mg/L	<0.01	<0.01	<0.01	-	-	<0.01	
Molybdenum (T), as Mo, mg/L	0.02	<0.01	<0.04	-	-	<0.04	
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	-	-	<0.01	
Potassium (T), as K, mg/L	0.5	0.58	0.360	-	-	0.979	
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	-	-	<0.04	
Sodium (T), as Na, mg/L	113	105	105	-	-	103	
Zinc (T), as Zn, mg/L	<0.02	0.028	0.022	-	-	<0.01	
Ortho Phosphate as PO ₄ -P, mg/L	-	-	<0.01	-	-	0.034	<0.01
Comments	Water Tank.	Water Tank.	Water Tank.	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 16A

Seep/Spring 16A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	8.29	8.08
Cond. (umhos/cm)	-	-	-	-	-	925	1070
Flow Rate (gpm)	Dry	Dry	-	Dry	Dry	0.25	4
Temp. (c)	-	-	-	-	-	8	11
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 16A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	Flow mixed w/ gradient spring.	Flow mixed w/ gradient spring.	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 16B

Seep/Spring 16B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	9.07	-	-	-	-	-	7.86
Cond. (umhos/cm)	720	-	-	-	-	-	1000
Flow Rate (gpm)	3	Dry	-	Dry	Dry	Dry	0.25
Temp. (c)	7	-	-	-	-	-	14
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 16B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	Flow mixed w/ gradie nt spring.	Flow mixed w/ gradie nt spring.	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 16C

Seep/Spring 16C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	7.53	-	-	-	-
Cond. (umhos/cm)	-	-	560	-	-	-	-
Flow Rate (gpm)	Seep	Dry	0.2	Dry	Dry	Dry	Seep
Temp. (c)	-	-	13	-	-	-	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 16C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Shale.	Shale.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 17

Seep/Spring 17	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	8.31	8.12	-	8.18	8.07
Cond. (umhos/cm)	-	-	750	1130	-	1409	1520
Flow Rate (gpm)	Seep	Seep	<0.25	<0.5	Damp	<0.25	<0.25
Temp. (c)	-	18	9	9	-	10	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 17	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	No Sample.	No Sample	-	-	-	Shale, limey sandsto ne.	Shale, limey sandsto ne.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Lila Canyon Mine
Baseline Water Data Summary

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Seep/Spring: Number 17A

Seep/Spring 17A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	ns
Cond. (umhos/cm)	-	-	-	-	-	-	-
Flow Rate (gpm)	-	Seep	Wet	Wet	Dry	Dry	1.5
Temp. (c)	-	-	-	-	-	-	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 17A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Not Found.	-	-	-	-	Shale, sandsto ne ledge.	Shale, sandsto ne ledge.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 17B

Seep/Spring 17B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	-	ns
Cond. (umhos/cm)	-	-	-	-	-	-	-
Flow Rate (gpm)	-	-	-	-	Dry	-	0.75
Temp. (c)	-	-	-	-	-	-	16
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 17B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Location Abandoned 10/26/94.			-	-	-	Shale, sandstone ledge.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 18

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Seep/Spring 18	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	8.26	8.27	7.96	-	-	8.06
Cond. (umhos/cm)	-	692	620	870	-	-	1300
Flow Rate (gpm)	Seep	1	0.5	<0.5	Wet	Dry	1
Temp. (c)	-	20	9	9	-	-	17
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 18	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Shale, sandsto ne ledge.	Shale, limey sandsto ne.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 19A

Seep/Spring 19A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	8.19	7.83	-	-	7.86	7.59
Cond. (umhos/cm)	-	749	580	-	-	1104	1124
Flow Rate (gpm)	Wet	Seep	0.5	Seep	Dry	0.25	0.5
Temp. (c)	-	18	7	-	-	9	7
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 19A	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Shale, limesto ne, wildlife.	Shale, limesto ne, wildlife.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 19B

Seep/Spring 19B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	7.65	8.17	7.81	7.88	-	7.62	7.61
Cond. (umhos/cm)	650	678	530	890	-	879	1130
Flow Rate (gpm)	2	0.25	10	1	Dry	<0.25	1.5
Temp. (c)	8	13	8	7	-	6	7
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 19B	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	Limey sandstone, wildlife.	Limestone, sandstone, wildlife.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 19C

Seep/Spring 19C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	-	-	7.93	-
Cond. (umhos/cm)	-	-	-	-	-	782	-
Flow Rate (gpm)	-	-	-	-	Dry	0.25	-
Temp. (c)	-	-	-	-	-	7	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 19C	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	Re-emergence of 19B.				-	Shale, sandstone ledge.	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 20

Seep/Spring 20	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	-	-	-	8.39	-	-	8.02
Cond. (umhos/cm)	-	-	-	963	-	-	6000
Flow Rate (gpm)	Dry	Wet	Seep	2	Seep	Dry	<0.25
Temp. (c)	-	-	-	9	-	-	10
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 20	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	Some snowme It contribu tion.	-	-	Shale, sandsto ne ledge.

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number 22

Seep/Spring 22	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
pH (units)	8.25	-	-	-	-	8.37	-
Cond. (umhos/cm)	720	-	-	-	-	1078	-
Flow Rate (gpm)	0.5	Dry	Wet	Dry	Moist	0.25	Dry
Temp. (c)	12	-	-	-	-	10	-
Inorganic Parameters							
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-	-

Seep/Spring 22	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	Aug. 1994	Oct. 1993	May 1993
Baron (T), as B, mg/L	-	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-	-
Chromium (T), as Cr, mg/L	-	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-	-
Comments	-	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data.

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Seep/Spring: Number HC-2

Seep/Spring HC-2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	8.99	8.24	8.16	8.28	7.93	8.23
Cond. (umhos/cm)	1001	955	790	1040	1200	1190
Flow Rate (gpm)	15	12	13	17	9	15
Temp. (c)	7	12	9	8	8.5	4
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	536	561	527	561	450	559
Carbonate as CO ₃ , mg/L	14	<1	4	<1	42	<1
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	<0.2	<0.4
Chloride, mg/L	18	17	18.8	18	17	17
Fluoride, mg/L	<0.2	<0.2	0.18	0.18	0.18	<0.2
Hardness, EDTA Titration, mg/L	416	393	370	390	404	385
Mercury, as Hg, mg/L	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	0.09	0.307	0.31	0.159	0.319	0.279
Nitrite, Nitrogen, mg/L	0.009	0.0052	<0.005	<0.005	0.005	<0.005
Phosphorus, Total, mg/L	0.05	<0.02	<0.02	-	<0.02	<0.02
Sulfate, mg/L	276	260	259	252	247	253
Sulfide, mg/L	<0.1	0.17	<0.1	<0.1	<0.1	<0.1
Total Dissolved Solids, mg/L	824	823	802	783	838	817
Aluminum (T), as Al, mg/L	0.16	<0.01	<0.1	0.112	<0.01	<0.01
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.1	0.022	0.022	0.022	0.022	0.02
Baron (T), as B, mg/L	0.1	0.15	0.149	0.148	0.147	0.119
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01
Calcium (T), as Ca, mg/L	48.7	46	47.5	46.5	47.6	46.8

Seep/Spring HC-2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01
Iron (T), as Fe, mg/L	0.16	0.023	0.023	0.023	0.189	<0.01
Lead (T), as Pb, mg/L	0.01	<0.02	<0.02	<0.005	0.059	<0.02
Magnesium (T), as Mg, mg/L	68.6	65	67	66.4	68.2	67.9
Manganese (T), as Mn, mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Molybdenum (T), as Mo, mg/L	0.02	<0.04	<0.04	<0.01	<0.04	<0.04
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01
Potassium (T), as K, mg/L	2.1	1.4	1.42	1.56	1.4	1.74
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	<0.04	<0.04	0.012
Sodium (T), as Na, mg/L	156	150	155	154	164	157
Zinc (T), as Zn, mg/L	<0.02	0.058	0.025	0.02	0.015	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	<0.01	<0.01	<0.02	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-4

Seep/Spring HC-4	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	8.29	7.75	7.56	8.31	-	8.4
Cond. (umhos/cm)	1005	1022	680	1120	-	1120
Flow Rate (gpm)	1	0.16	3	0.75	-	<0.1
Temp. (c)	8	13	13	5.5	-	18
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	593	635	505	669	-	593
Carbonate as CO ₃ , mg/L	5	<1	7	<1	-	2
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	-	<0.4
Chloride, mg/L	12	13	12.2	18	-	13
Fluoride, mg/L	<0.2	<0.2	0.14	0.13	-	<0.2
Hardness, EDTA Titration, mg/L	497	376	390	543	-	448
Mercury, as Hg, mg/L	<0.0004	<0.0002	<0.0002	<0.0002	-	<0.0002
Nitrate, Nitrogen, mg/L	0.03	0.083	<0.02	<0.02	-	0.036
Nitrite, Nitrogen, mg/L	0.009	0.0064	<0.005	<0.005	-	0.0055
Phosphorus, Total, mg/L	0.03	0.11	<0.02	-	-	<0.02
Sulfate, mg/L	232	212	191	270	-	215
Sulfide, mg/L	<0.01	<0.1	<0.1	<0.1	-	0.29
Total Dissolved Solids, mg/L	826	821	688	885	-	783
Aluminum (T), as Al, mg/L	<0.02	1.02	<0.1	0.13	-	0.048
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	-	<0.04
Barium (T), as Ba, mg/L	0.1	0.081	0.069	0.098	-	0.066
Baron (T), as B, mg/L	<0.1	0.14	0.137	0.115	-	0.125
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.01	<0.005	-	<0.01
Calcium (T), as Ca, mg/L	52.5	60	54.7	70.1	-	62.2

Seep/Spring HC-4	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	<0.005	<0.01	<0.01	<0.005	-	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	<0.005	-	<0.01
Iron (T), as Fe, mg/L	<0.04	3.5	0.195	1.01	-	0.069
Lead (T), as Pb, mg/L	0.01	<0.02	<0.02	<0.005	-	<0.02
Magnesium (T), as Mg, mg/L	66.9	66	64.6	84.4	-	77.5
Manganese (T), as Mn, mg/L	0.01	0.13	0.035	0.099	-	0.01
Molybdenum (T), as Mo, mg/L	0.03	<0.04	<0.04	<0.01	-	<0.04
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	0.0061	-	<0.01
Potassium (T), as K, mg/L	1.9	1.5	1.3	1.57	-	3.15
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	<0.04	-	<0.04
Sodium (T), as Na, mg/L	86	105	107	129	-	123
Zinc (T), as Zn, mg/L	<0.02	0.13	0.148	0.013	-	<0.01
Ortho Phosphate as PO ₄ -P, mg/L	-	0.107	<0.01	0.03	-	-
Comments	-	-	-	Possible snowmelt.	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-9

Seep/Spring HC-9	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	-	-	-	-	7.73	-
Cond. (umhos/cm)	-	-	-	-	1700	-
Flow Rate (gpm)	-	-	-	Dry	3	Dry
Temp. (c)	-	-	-	-	9	-
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	496	-
Carbonate as CO ₃ , mg/L	-	-	-	-	18	-
Ammonia-Nitrogen, mg/L	-	-	-	-	<0.2	-
Chloride, mg/L	-	-	-	-	24	-
Fluoride, mg/L	-	-	-	-	<0.2	-
Hardness, EDTA Titration, mg/L	-	-	-	-	828	-
Mercury, as Hg, mg/L	-	-	-	-	<0.0002	-
Nitrate, Nitrogen, mg/L	-	-	-	-	0.159	-
Nitrite, Nitrogen, mg/L	-	-	-	-	0.0058	-
Phosphorus, Total, mg/L	-	-	-	-	0.029	-
Sulfate, mg/L	-	-	-	-	651	-
Sulfide, mg/L	-	-	-	-	>0.1	-
Total Dissolved Solids, mg/L	-	-	-	-	1395	-
Aluminum (T), as Al, mg/L	-	-	-	-	4.49	-
Arsenic (T), as As, mg/L	-	-	-	-	<0.04	-
Barium (T), as Ba, mg/L	-	-	-	-	0.083	-
Baron (T), as B, mg/L	-	-	-	-	0.18	-
Cadmium (T), as Cd, mg/L	-	-	-	-	<0.01	-
Calcium (T), as Ca, mg/L	-	-	-	-	96.7	-

Seep/Spring HC-9	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	-	-	-	-	<0.01	-
Copper (T), as Cu, mg/L	-	-	-	-	<0.01	-
Iron (T), as Fe, mg/L	-	-	-	-	5.61	-
Lead (T), as Pb, mg/L	-	-	-	-	0.058	-
Magnesium (T), as Mg, mg/L	-	-	-	-	139	-
Manganese (T), as Mn, mg/L	-	-	-	-	0.204	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	<0.04	-
Nickel (T), as Ni, mg/L	-	-	-	-	<0.01	-
Potassium (T), as K, mg/L	-	-	-	-	3.4	-
Selenium (T), as Se, mg/L	-	-	-	-	<0.04	-
Sodium (T), as Na, mg/L	-	-	-	-	216	-
Zinc (T), as Zn, mg/L	-	-	-	-	0.023	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-11

Seep/Spring HC-11	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	7.61	7.98	7.87	7.95	7.77	7.74
Cond. (umhos/cm)	1000	966	700	1070	992	1244
Flow Rate (gpm)	5	1.5	20	<0.25	2	<0.5
Temp. (c)	7	12	8	7	8.5	8.5
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	586	590	512	621	407	653
Carbonate as CO ₃ , mg/L	<1	<1	2	<1	25	<1
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	<0.2	<0.4
Chloride, mg/L	13	11	12.2	15	12	14
Fluoride, mg/L	<0.2	<0.2	0.13	0.15	<0.2	<0.2
Hardness, EDTA Titration, mg/L	555	468	422	560	460	945
Mercury, as Hg, mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	0.1	0.021	0.096	<0.02	0.043	<0.02
Nitrite, Nitrogen, mg/L	0.009	0.0071	<0.005	<0.005	0.0086	0.014
Phosphorus, Total, mg/L	0.17	<0.02	<0.02	-	0.083	2.11
Sulfate, mg/L	228	208	196	265	209	258
Sulfide, mg/L	<0.1	<0.1	0.14	<0.1	0.14	<0.1
Total Dissolved Solids, mg/L	786	762	655	845	740	806
Aluminum (T), as Al, mg/L	2.16	0.064	0.372	2.83	0.207	40.9
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.1	0.065	0.108	0.125	0.069	0.664
Baron (T), as B, mg/L	0.1	0.1	0.102	0.106	0.099	0.106
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01
Calcium (T), as Ca, mg/L	67.7	66	62.8	77.7	61.1	200

Seep/Spring HC-11	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	0.006	<0.01	<0.01	0.0069	<0.01	0.042
Copper (T), as Cu, mg/L	0.01	<0.01	<0.01	<0.005	<0.01	0.057
Iron (T), as Fe, mg/L	2.73	0.11	0.41	3.52	0.345	48.5
Lead (T), as Pb, mg/L	<0.01	<0.02	<0.02	<0.005	0.058	0.028
Magnesium (T), as Mg, mg/L	69.4	75	69.2	84.3	71.2	108
Manganese (T), as Mn, mg/L	0.14	0.017	0.016	0.169	<0.01	1.23
Molybdenum (T), as Mo, mg/L	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	0.0071	<0.01	0.048
Potassium (T), as K, mg/L	2.1	2.2	2.29	3.11	2.2	4.05
Selenium (T), as Se, mg/L	<0.4	<0.04	<0.04	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	87.8	97	92.1	102	94.6	108
Zinc (T), as Zn, mg/L	0.02	0.067	0.012	0.058	0.013	0.132
Ortho Phosphate as PO ₄ -P, mg/L	-	<0.01	<0.01	0.123	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-13

Seep/Spring HC-13	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	7.69	8.03	7.55	8.71	7.86	7.77
Cond. (umhos/cm)	1700	1151	1450	1610	1690	1980
Flow Rate (gpm)	2	0.25	1	2	0.25	<0.5
Temp. (c)	10	22	11	9	11	15
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	671	611	564	607	436	626
Carbonate as CO ₃ , mg/L	<1	<1	3	<1	39	<1
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	<0.2	<0.4
Chloride, mg/L	21	23	22.8	25	24	28.5
Fluoride, mg/L	<0.2	0.21	0.18	0.18	0.19	0.22
Hardness, EDTA Titration, mg/L	998	646	637	745	705	1960
Mercury, as Hg, mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	<0.02	<0.02	<0.02	<0.08	0.134	0.055
Nitrite, Nitrogen, mg/L	0.009	0.013	<0.005	<0.005	0.0083	0.009
Phosphorus, Total, mg/L	1.84	<0.02	0.037	-	0.044	1.07
Sulfate, mg/L	595	648	645	671	691	802
Sulfide, mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Dissolved Solids, mg/L	1350	1400	1320	1400	1435	1620
Aluminum (T), as Al, mg/L	15	0.021	0.417	1.14	0.428	63.3
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.3	0.081	0.056	0.122	0.047	0.833
Baron (T), as B, mg/L	0.2	0.22	0.205	0.161	0.193	0.195
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.01	<0.005	<0.01	<0.01
Calcium (T), as Ca, mg/L	139	63	71.4	82.2	74.1	450

Seep/Spring HC-13	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	0.022	<0.01	<0.01	0.0054	<0.01	0.06
Copper (T), as Cu, mg/L	0.04	<0.01	<0.01	<0.005	<0.01	0.11
Iron (T), as Fe, mg/L	20.7	0.07	0.799	2.47	0.737	86.4
Lead (T), as Pb, mg/L	0.02	<0.02	<0.02	<0.005	0.073	0.063
Magnesium (T), as Mg, mg/L	136	120	114	121	120	180
Manganese (T), as Mn, mg/L	0.76	0.056	0.078	0.167	0.015	5.81
Molybdenum (T), as Mo, mg/L	<0.01	<0.04	<0.04	<0.01	<0.04	<0.04
Nickel (T), as Ni, mg/L	0.03	<0.01	<0.01	0.0082	<0.01	0.101
Potassium (T), as K, mg/L	6.5	5.9	5.77	4.61	4.3	9.37
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	208	220	213	210	225	223
Zinc (T), as Zn, mg/L	0.08	0.04	0.034	0.018	0.012	0.209
Ortho Phosphate as PO ₄ -P, mg/L	-	<0.01	<0.01	0.074	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-14

Seep/Spring HC-14	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	8.07	8.08	7.54	-	-	-
Cond. (umhos/cm)	1680	1400	1400	-	-	-
Flow Rate (gpm)	5	0.25	0.5	-	-	-
Temp. (c)	8	16	8	-	-	-
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	684	709	646	-	-	-
Carbonate as CO ₃ , mg/L	<1	<1	<1	-	-	-
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	-	-	-
Chloride, mg/L	22	24	25.3	-	-	-
Fluoride, mg/L	0.2	0.23	0.17	-	-	-
Hardness, EDTA Titration, mg/L	761	770	785	-	-	-
Mercury, as Hg, mg/L	<0.0002	<0.0002	<0.0002	-	-	-
Nitrate, Nitrogen, mg/L	<0.02	<0.02	<0.02	-	-	-
Nitrite, Nitrogen, mg/L	0.01	<0.005	0.0062	-	-	-
Phosphorus, Total, mg/L	0.04	0.067	0.088	-	-	-
Sulfate, mg/L	617	696	669	-	-	-
Sulfide, mg/L	<0.1	<0.1	<0.1	-	-	-
Total Dissolved Solids, mg/L	1440	1540	1430	-	-	-
Aluminum (T), as Al, mg/L	2.03	1.1	1.35	-	-	-
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	-	-	-
Barium (T), as Ba, mg/L	0.07	0.067	0.07	-	-	-
Baron (T), as B, mg/L	0.2	0.21	0.226	-	-	-
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.01	-	-	-
Calcium (T), as Ca, mg/L	72.3	75	83.2	-	-	-

Seep/Spring HC-14	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	0.005	<0.01	<0.01	-	-	-
Copper (T), as Cu, mg/L	0.01	<0.01	<0.01	-	-	-
Iron (T), as Fe, mg/L	3.49	2.8	2.88	-	-	-
Lead (T), as Pb, mg/L	<0.01	<0.02	<0.02	-	-	-
Magnesium (T), as Mg, mg/L	109	110	129	-	-	-
Manganese (T), as Mn, mg/L	0.24	0.31	0.299	-	-	-
Molybdenum (T), as Mo, mg/L	<0.01	<0.04	<0.04	-	-	-
Nickel (T), as Ni, mg/L	<0.01	0.011	<0.01	-	-	-
Potassium (T), as K, mg/L	4.1	4.8	4.96	-	-	-
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	-	-	-
Sodium (T), as Na, mg/L	195	210	240	-	-	-
Zinc (T), as Zn, mg/L	<0.02	0.11	1.4	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	0.049	<0.01	-	-	-
Comments	New Location Spring 1995.			-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HC-18

Seep/Spring HC-18	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	8.24	8.13	8.33	-	8.14	-
Cond. (umhos/cm)	1400	1051	780	-	1050	-
Flow Rate (gpm)	2	0.5	15	Seep	5	Moist
Temp. (c)	11	11	8	-	8	-
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	640	-	514	-	426	-
Carbonate as CO ₃ , mg/L	<1	-	9	-	37	-
Ammonia-Nitrogen, mg/L	<0.4	-	<0.4	-	<0.2	-
Chloride, mg/L	23	-	25.9	-	22	-
Fluoride, mg/L	0.2	-	0.25	-	0.24	-
Hardness, EDTA Titration, mg/L	426	-	336	-	356	-
Mercury, as Hg, mg/L	0.0003	-	<0.0002	-	<0.0002	-
Nitrate, Nitrogen, mg/L	<0.08	-	0.06	-	0.042	-
Nitrite, Nitrogen, mg/L	0.011	-	<0.005	-	0.0058	-
Phosphorus, Total, mg/L	0.02	-	0.023	-	<0.02	-
Sulfate, mg/L	292	-	229	-	229	-
Sulfide, mg/L	0.1	-	<0.1	-	<0.1	-
Total Dissolved Solids, mg/L	934	-	790	-	777	-
Aluminum (T), as Al, mg/L	<0.02	-	<0.1	-	0.194	-
Arsenic (T), as As, mg/L	<0.02	-	<0.04	-	<0.04	-
Barium (T), as Ba, mg/L	0.09	-	0.086	-	0.064	-
Baron (T), as B, mg/L	0.3	-	0.251	-	0.235	-
Cadmium (T), as Cd, mg/L	<0.005	-	<0.01	-	<0.01	-
Calcium (T), as Ca, mg/L	59.2	-	49.4	-	45.8	-

Seep/Spring HC-18	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	<0.005	-	<0.01	-	<0.01	-
Copper (T), as Cu, mg/L	<0.01	-	<0.01	-	<0.01	-
Iron (T), as Fe, mg/L	<0.04	-	0.076	-	0.728	-
Lead (T), as Pb, mg/L	<0.01	-	<0.02	-	0.034	-
Magnesium (T), as Mg, mg/L	71.3	-	55.4	-	54.5	-
Manganese (T), as Mn, mg/L	<0.01	-	<0.01	-	0.017	-
Molybdenum (T), as Mo, mg/L	0.02	-	<0.04	-	<0.04	-
Nickel (T), as Ni, mg/L	<0.01	-	<0.01	-	<0.01	-
Potassium (T), as K, mg/L	3.1	-	2.9	-	2.4	-
Selenium (T), as Se, mg/L	<0.04	-	<0.04	-	<0.04	-
Sodium (T), as Na, mg/L	186	-	162	-	162	-
Zinc (T), as Zn, mg/L	<0.02	-	<0.01	-	0.011	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	<0.01	-	-	-
Comments	-	-	-	Not sampled, flow too low	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HCSW-1

Seep/Spring HCSW-1	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	7.51	8.44	8.23	8.04	7.83	7.77
Cond. (umhos/cm)	990	1110	850	1220	1700	1260
Flow Rate (gpm)	15	3	8	7	6	1.8
Temp. (c)	9	16	8.5	8	13	13
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	520	592	400	599	408	646
Carbonate as CO ₃ , mg/L	18	<1	6	<1	38	8
Ammonia-Nitrogen, mg/L	<0.4	<0.4	<0.4	<0.4	<0.2	<0.4
Chloride, mg/L	17	19	13.2	21	24	21.5
Fluoride, mg/L	<0.2	0.28	0.15	0.25	0.25	0.27
Hardness, EDTA Titration, mg/L	409	407	326	405	394	453
Mercury, as Hg, mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate, Nitrogen, mg/L	0.02	0.15	0.084	0.032	0.072	<0.02
Nitrite, Nitrogen, mg/L	0.014	0.0089	<0.005	<0.005	0.0077	0.0052
Phosphorus, Total, mg/L	0.06	<0.02	<0.02	-	<0.02	0.041
Sulfate, mg/L	278	299	92.3	295	288	331
Sulfide, mg/L	0.23	<0.1	<0.1	<0.1	<0.1	<0.1
Total Dissolved Solids, mg/L	836	924	468	889	880	1010
Aluminum (T), as Al, mg/L	0.44	0.059	<0.1	0.384	0.26	0.277
Arsenic (T), as As, mg/L	<0.02	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (T), as Ba, mg/L	0.1	0.055	0.086	0.096	0.043	0.049
Baron (T), as B, mg/L	0.1	0.22	0.053	0.171	0.186	0.171
Cadmium (T), as Cd, mg/L	<0.005	<0.01	<0.1	<0.005	<0.01	<0.01
Calcium (T), as Ca, mg/L	40.9	54	59.6	53.8	48.4	60.2

Seep/Spring HCSW-1	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	<0.005	<0.01	<0.01	0.012	<0.01	<0.01
Copper (T), as Cu, mg/L	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01
Iron (T), as Fe, mg/L	0.59	0.076	0.08	0.164	0.422	0.301
Lead (T), as Pb, mg/L	<0.01	<0.02	<0.02	<0.005	0.048	<0.02
Magnesium (T), as Mg, mg/L	63.9	66	51	65.7	61.6	74.2
Manganese (T), as Mn, mg/L	0.02	0.016	0.032	0.022	0.016	0.02
Molybdenum (T), as Mo, mg/L	<0.01	<0.01	<0.04	<0.01	<0.04	<0.04
Nickel (T), as Ni, mg/L	<0.01	<0.01	<0.01	0.0082	<0.01	<0.01
Potassium (T), as K, mg/L	2.2	4.3	0.871	4.04	3.9	5.23
Selenium (T), as Se, mg/L	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sodium (T), as Na, mg/L	146	170	48.5	168	167	197
Zinc (T), as Zn, mg/L	<0.02	0.076	<0.01	0.015	<0.01	<0.01
Oil and Grease mg/L	<5	<5	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	<0.01	<0.01	0.027	-	-
Comments	-	-	Recent Precip.	Snow melt included.	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HCSW-2

Seep/Spring HCSW-2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	-	-	-	-	-	-
Cond. (umhos/cm)	-	-	-	-	-	-
Flow Rate (gpm)	Dry	Dry	Dry	Dry	Dry	Dry
Temp. (c)	-	-	-	-	-	-
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-
Baron (T), as B, mg/L	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-

Seep/Spring HCSW-2	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-
Oil and Grease mg/L	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Seep/Spring: Number HCSW-3

Seep/Spring HCSW-3	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
pH (units)	-	-	-	-	-	-
Cond. (umhos/cm)	-	-	-	-	-	-
Flow Rate (gpm)	Dry	Dry	Dry	Dry	Dry	Dry
Temp. (c)	-	-	-	-	-	-
Inorganic Parameters						
Bicarbonate as HCO ₃ , mg/L	-	-	-	-	-	-
Carbonate as CO ₃ , mg/L	-	-	-	-	-	-
Ammonia-Nitrogen, mg/L	-	-	-	-	-	-
Chloride, mg/L	-	-	-	-	-	-
Fluoride, mg/L	-	-	-	-	-	-
Hardness, EDTA Titration, mg/L	-	-	-	-	-	-
Mercury, as Hg, mg/L	-	-	-	-	-	-
Nitrate, Nitrogen, mg/L	-	-	-	-	-	-
Nitrite, Nitrogen, mg/L	-	-	-	-	-	-
Phosphorus, Total, mg/L	-	-	-	-	-	-
Sulfate, mg/L	-	-	-	-	-	-
Sulfide, mg/L	-	-	-	-	-	-
Total Dissolved Solids, mg/L	-	-	-	-	-	-
Aluminum (T), as Al, mg/L	-	-	-	-	-	-
Arsenic (T), as As, mg/L	-	-	-	-	-	-
Barium (T), as Ba, mg/L	-	-	-	-	-	-
Boron (T), as B, mg/L	-	-	-	-	-	-
Cadmium (T), as Cd, mg/L	-	-	-	-	-	-
Calcium (T), as Ca, mg/L	-	-	-	-	-	-

Seep/Spring HCSW-3	Oct. 1995	Aug. 1995	May 1995	Oct. 1994	May 1994	Aug. 1994
Chromium (T), as Cr, mg/L	-	-	-	-	-	-
Copper (T), as Cu, mg/L	-	-	-	-	-	-
Iron (T), as Fe, mg/L	-	-	-	-	-	-
Lead (T), as Pb, mg/L	-	-	-	-	-	-
Magnesium (T), as Mg, mg/L	-	-	-	-	-	-
Manganese (T), as Mn, mg/L	-	-	-	-	-	-
Molybdenum (T), as Mo, mg/L	-	-	-	-	-	-
Nickel (T), as Ni, mg/L	-	-	-	-	-	-
Potassium (T), as K, mg/L	-	-	-	-	-	-
Selenium (T), as Se, mg/L	-	-	-	-	-	-
Sodium (T), as Na, mg/L	-	-	-	-	-	-
Zinc (T), as Zn, mg/L	-	-	-	-	-	-
Oil and Grease mg/L	-	-	-	-	-	-
Ortho Phosphate as PO ₄ -P, mg/L	-	-	-	-	-	-
Comments	-	-	-	-	-	-

Note: Data taken from Los Angeles Department of Water and Power, South Lease Property, Seep and Spring Data

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Piezometer Data

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**South Lease Block
Water Level Measurements**

Well	Date	Depth to Water	Top of Casing Elevation	Water Level Elevation
IPA-1	07/28/94	1134.1	7032.51	5898.41
	08/04/94	1134.3	7032.51	5898.21
	05/22/95	1131.1	7032.51	5901.41
	08/08/95	1130.55	7032.51	5901.96
	04/29/96	1128.5	7032.51	5904.01
	12/22/00	(1)	7032.51	-
	02/07/01	NA (2)	-	-
	05/15/01	1114.5	7032.51	5918.01
IPA-2	07/28/94	905.5	6866.46	5960.96
	08/04/94	906.0	6866.46	5960.46
	05/22/95	905.2	6866.46	5961.26
	08/08/95	904.95	6866.46	5961.51
	04/29/96	904.4	6866.46	5962.06
	12/22/00	899.5	6866.46	5966.96
	02/07/01	NA (2)	-	-
	05/15/01	901.2	6866.46	5965.26
IPA-3	07/28/94	837.9	6812.52	5974.62
	08/04/94	839.9	6812.52	5972.62
	05/22/95	840.1	6812.52	5972.42
	08/08/95	840.0	6812.52	5972.52
	04/29/96	840.3	6812.52	5972.22
	12/22/00	(1)	6812.52	-
	02/07/01	NA (2)	-	-
	05/15/01	839.3	6812.52	5973.22

- (1) Unable to reach bottom, probed stopped at approximately 670 feet. No sign of water.
 (2) Not Accessible

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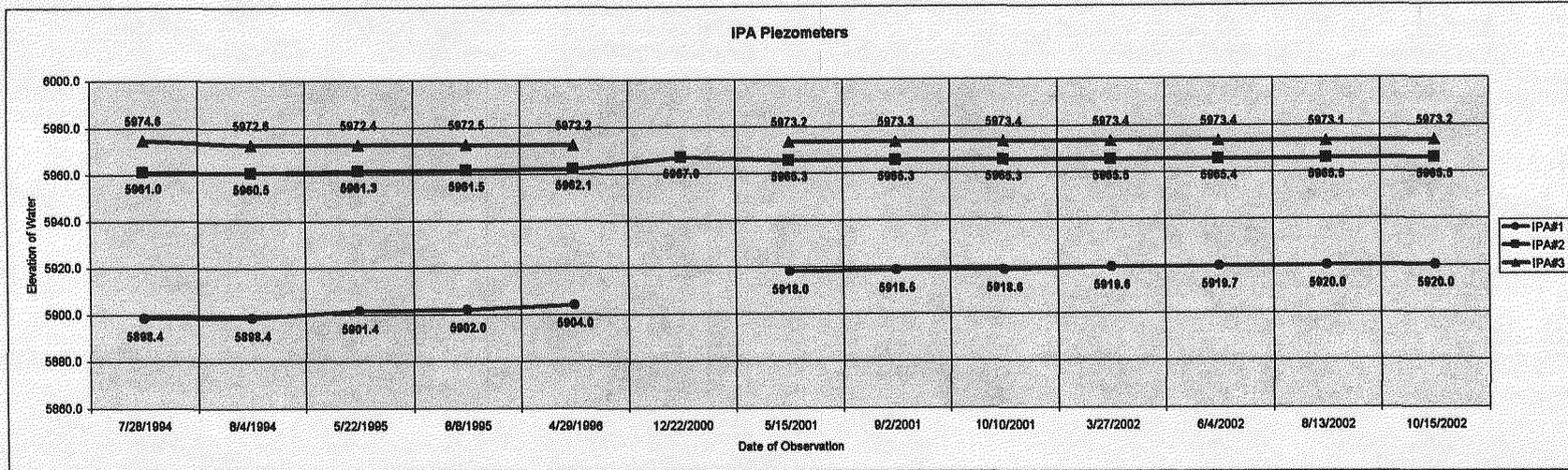
**South Lease Block
Core Intervals (approximate)**

IPA-1		IPA-2		IPA-3	
1584	1592	1028	1036	1005	1013
1592	1600	1036	1040	1013	1018
1600	1607	1040	1046	1018	1025
1607	1615	1048	1055	1025	1033
1615	1619	1055	1060	1033	1041
1620	1628	1060	1068	1041	1049
1628	1636	1068	1070	1049	1056
1636	1640	No Recovery		1056	1064
1640	1648	1080	1088	1064	1072
1647	1655	1088	1096	1072	1080
1655	1660	1096	1100	1082	1089
1660	1668	-	-	1089	1097
1668	1676	-	-	-	-
1678	1684	-	-	-	-
1684	1692	-	-	-	-
1692	1696	-	-	-	-

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IPA Piezometers Water Depths

Season	Date	IPA#1			IPA#2			IPA#3		
		Depth to Water	Top of Casing	Water Level	Depth to Water	Top of Casing	Water Level	Depth to Water	Top of Casing	Water Level
Summer	7/28/1994	1134.1	7032.5	5898.4	905.6	6866.5	5961.0	837.9	6812.5	5974.6
Summer	8/4/1994	1134.1	7032.5	5898.4	906.0	6866.5	5960.5	839.9	6812.5	5972.6
Spring	5/22/1995	1131.1	7032.5	5901.4	905.2	6866.5	5961.3	840.1	6812.5	5972.4
Summer	8/8/1995	1130.6	7032.5	5902.0	905.0	6866.5	5961.5	840.0	6812.5	5972.5
Spring	4/29/1996	1128.5	7032.5	5904.0	904.4	6866.5	5962.1	840.3	6812.5	5972.2
Winter	12/22/2000				899.5	6866.5	5967.0			
Spring	5/15/2001	1114.5	7032.5	5918.0	901.2	6866.5	5965.3	839.3	6812.5	5973.2
Fall	9/2/2001	1114.1	7032.5	5918.5	901.2	6866.5	5965.3	839.2	6812.5	5973.3
Fall	10/10/2001	1113.9	7032.5	5918.6	901.2	6866.5	5965.3	839.2	6812.5	5973.4
Spring	3/27/2002	1112.9	7032.5	5919.6	901.0	6866.5	5965.5	839.1	6812.5	5973.4
Summer	6/4/2002	1112.8	7032.5	5919.7	901.1	6866.5	5965.4	839.1	6812.5	5973.4
Summer	8/13/2002	1112.5	7032.5	5920.0	901.0	6866.5	5965.5	839.4	6812.5	5973.1
Fall	10/15/2002	1112.5	7032.5	5920.0	901.0	6866.5	5965.5	839.3	6812.5	5973.2



Lila Mine Site Water Monitoring 2000

Month	Date Inspected	L-1-S LF Lila	L-2-S RF Lila	L-3-S RF Lila	L-4-S Lila Pond	L-5-G Mine	Initial of Inspector
July	7/12/00	NF	NF	NF	NF	NF	MAC
August	8/23/00	NF	NF	NF	NF	NF	MAC
September	9/07/00	NF	NF	NF	NF	NF	MAC
October	10/18/00	NF	NF	NF	NF	NF	MAC
November	11/30/00	NF	NF	NF	NF	NF	MAC
December	12/11/00	NA	NA	NA	NA	NA	MAC

Entered

4/18/02
Rjm

4/18/02
Rjm

4/18/02
Rjm

4/18/02
Rjm

4/18/02
Rjm

4/18/02
Rjm

NF = No Flow

NA = Not Accessibly

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Lila Mine Site Water Monitoring 2001

Month	Date Inspected	L-1-S LF Lila	L-2-S RF Lila	L-3-S RF Lila	L-4-S Lila Pond	L-5-G Mine	Initial of Inspector	<i>Entered</i>
January	1/10/01	NA	NA	NA	NA	NA	D.V.	2/19/02 Rjm
February	2/07/01	NA	NA	NA	NA	NA	J.T.P.	2/19/02 Rjm
March	3/23/01	NF	NF	NF	NF	NF	J.T.P.	
April	4/21/01	NF	NF	NF	NF	NF	J.T.P.	2/19/02 Rjm
May	5/04/01	NF	NF	NF	NF	NF	J.T.P.	2/19/02 Rjm
June	6/19/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
July	7/12/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
August	8/07/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
September	9/04/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
October	10/9/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
November	11/23/01	NF	NF	NF	NF	NF	Rjm	2/19/02 Rjm
December	12/12/01	NA	NA	NA	NA	NA	Rjm	2/19/02 Rjm

NF = No Flow

NA = Not Accessibly

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Lila Mine Site Water Monitoring 2002

Month	Date Inspected	L-1-S LF Lila	L-2-S RF Lila	L-3-S RF Lila	L-4-S Lila Pond	L-5-G Mine	Initial of Inspector
January	29/01/02	NA	NA	NA	NA	NA	RJM
February	2/2/02	NF	NF	NF	NA	NA	RJM KH
March	3/12/02	NF	NF	NF	NA	NA	RJM MH
April	4/19/02	NF	NF	NF	NA	NA	RJM KH
May	5/29/02	NF	NF	NF	NA	NA	RJM KH
June	6/13/02	NF	NF	NF	NA	NA	RJM
July	7/8/02	NF	NF	NA	NA	NA	RJM
August	8/19/02	^{13:00} NF ¹⁰	NF	NF	NA	NA	RJM
September	9/12/02	NF	NF	NF	NA	NA	RJM/SJM
October	10/16/02	NF	NF	NF	NA	NA	RJM
November							
December							

Entered

2/18/02
RJM

2/22/02
RJM

4/17/02
RJM

5/23/02

7/2/02
RJM

7/20/02
RJM

9/5/02
RJM

9/15/02
RJM

12/11/02

12/11/02

NF = No Flow

NA = Not Accessibly

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**Lila Canyon Mine
Surface Monitoring Parameters
Operational and Post Mining**

Site L-6-G Field Measurements	July 24, 2000	Nov 28, 2000	Feb 7, 2001	June 6, 2001	July 2, 2001	Oct 10 2001	Mar 27 2002	Jun 4 2002	Aug 13 2002	Oct 14 2002
Water Level or Flow, Depth, Flow	NS	NA	NA	NF	NF	NF	NF	NF	NF	NF
pH, standard units	0	0	0	0	0	0	0	0	0	0
Specific Conductivity, umhos.cm @ 25 °C	0	0	0	0	0	0	0	0	0	0
Temperature, °C	0	0	0	0	0	0	0	0	0	0
Laboratory Measurements										
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Hardness (CaCO ₃), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Alkalinity, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Carbonate (CO ₃), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bicarbonate (HCO ₃), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Calcium (Ca) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride (Cl), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Iron (Fe) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Iron (Fe) (Total), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Magnesium (Mg) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Manganese (Mn) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Manganese (Mn) (Total), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Potassium (K) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sodium (Na) (Dissolved), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sulfate (SO ₄), mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Oil and Grease, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cations, meq/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Anions, meq/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

n/a not available

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Lila Canyon Mine Surface Monitoring Parameters Operational and Post Mining										
Site L-7-G (Cottonwood Spring) Field Measurements	July 24, 2000	Nov 28, 2000	Feb 7, 2001	Jun 6, 2001	Jul 7, 2001	Oct 10 2001	Mar 27 2002	Jun 6 2002	Aug 13 2002	Oct 14 2002
Water Level or Flow, Depth, Flow (GPM)	NS	NA	NA	NS	1.67	1.8	Fr	.56	.13	.13
pH, standard units	0	0	0	0	7.72	7.16	Fr	7.87	8.3	8.2
Specific Conductivity, umhos.cm @ 25 °C	0	0	0	0	779	543	Fr	806	698	890
Temperature, °C	0	0	0	0	15.2	5.3	Fr	9.2	17.8	3.1
Laboratory Measurements										
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	640	590	FR	560	530	2610
Total Hardness (CaCO ₃), mg/l	n/a	n/a	n/a	n/a	380	410	FR	351	356	414
Total Alkalinity, mg/l	n/a	n/a	n/a	n/a	440	440	FR	374	425	432
Carbonate (CO ₃), mg/l	n/a	n/a	n/a	n/a	1	14	FR	<.01	<5	<.01
Bicarbonate (HCO ₃), mg/l	n/a	n/a	n/a	n/a	537	508	FR	456	519	527
Calcium (Ca) (Dissolved), mg/l	n/a	n/a	n/a	n/a	63	66.4	FR	55.5	57	76.2
Chloride (Cl), mg/l	n/a	n/a	n/a	n/a	30	25	FR	19	1	20
Iron (Fe) (Dissolved), mg/l	n/a	n/a	n/a	n/a	.04	<.02	FR	<.02	<.01	<.02
Iron (Fe) (Total), mg/l	n/a	n/a	n/a	n/a	.04	.02	FR	.05	.1	.46
Magnesium (Mg) (Dissolved), mg/l	n/a	n/a	n/a	n/a	54.1	59.2	FR	51.1	52	54.4
Manganese (Mn) (Dissolved), mg/l	n/a	n/a	n/a	n/a	.03	.03	FR	.02	.43	
Manganese (Mn) (Total), mg/l	n/a	n/a	n/a	n/a	.03	.03	FR	.02	.43	.13
Potassium (K) (Dissolved), mg/l	n/a	n/a	n/a	n/a	.06	.4	FR	.5	1	1.3
Sodium (Na) (Dissolved), mg/l	n/a	n/a	n/a	n/a	74.1	74.9	FR	65.5	66	69.7
Sulfate (SO ₄), mg/l	n/a	n/a	n/a	n/a	98	94	FR	73	66	95
Oil and Grease, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cations, meq/l	n/a	n/a	n/a	n/a	10.8 2	11.4 6	FR	9.75	10	11.3 4
Anions, meq/l	n/a	n/a	n/a	n/a	11.6 8	11.4 7	FR	9.51	9.9	11.2

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**Lila Canyon Mine
Surface Monitoring Parameters
Operational and Post Mining**

Site L-8-G Field Measurements	July 24, 2000	Nov 28, 2000	Feb 7, 2001	Jun 6, 2001	July 7, 2001	Oct 10 2001	Mar 27 2002	Jun 6 2002	Aug 13 2002	Oct 14 2002
Water Level or Flow, Depth, Flow (GPM)	NS	NA	NA	NS	2.5	1.3	FR	.34	.29	.29
pH, standard units	0	0	0	0	7.21	7.3	FR	7.78	8.3	8.32
Specific Conductivity, umhos.cm @ 25 °C	0	0	0	0	726	662	FR	886	742	882
Temperature, °C	0	0	0	0	11.9	9.06	FR	13.9	21.1	12.4
Laboratory Measurements										
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	680	670	FR	650	590	620
Total Hardness (CaCO ₃), mg/l	n/a	n/a	n/a	n/a	402	462	FR	403	395	395
Total Alkalinity, mg/l	n/a	n/a	n/a	n/a	372	388	FR	341	360	372
Carbonate (CO ₃), mg/l	n/a	n/a	n/a	n/a	<1	5	FR	<.01	<5	<.01
Bicarbonate (HC ₃), mg/l	n/a	n/a	n/a	n/a	454	464	FR	415	439	454
Calcium (Ca) (Dissolved), mg/l	n/a	n/a	n/a	n/a	68.8	78.3	FR	80.1	66	68.4
Chloride (Cl), mg/l	n/a	n/a	n/a	n/a	30	25	FR	20	8	20
Iron (Fe) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.02	<.02	FR	.02	<.1	<.02
Iron (Fe) (Total), mg/l	n/a	n/a	n/a	n/a	.04	<.02	FR	<.02	.6	.25
Magnesium (Mg) (Dissolved), mg/l	n/a	n/a	n/a	n/a	55.9	64.8	FR	60.2	56	54.6
Manganese (Mn) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.01	<.01	FR	<.01	<.05	
Manganese (Mn) (Total), mg/l	n/a	n/a	n/a	n/a	<.01	<.01	FR	<.01	<.05	.01
Potassium (K) (Dissolved), mg/l	n/a	n/a	n/a	n/a	.08	.8	FR	2	<.1	1.0
Sodium (Na) (Dissolved), mg/l	n/a	n/a	n/a	n/a	61.5	66.8	FR	61.6	60	56.9
Sulfate (SO ₄), mg/l	n/a	n/a	n/a	n/a	146	163	FR	145	161	142
Oil and Grease, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	FR	n/a	n/a	n/a
Cations, meq/l	n/a	n/a	n/a	n/a	10.7 2	12.1 6	FR	2.35	10.5	10.4
Anions, meq/l	n/a	n/a	n/a	n/a	11.3 3	11.8 7	FR	10.3 7	10.8	10.9 4

n/a not available / accessible FR Frozen

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Lila Canyon Mine Surface Monitoring Parameters Operational and Post Mining										
Site L-9-G (Pine Spring) Field Measurements	July 24, 2000	Nov 28, 2000	Feb 7, 2001	Jun 6, 2001	July 7, 2001	Oct 10 2001	Mar 27 2002	Jun 6 2002	Aug 13 2002	Oct 14 2002
Water Level or Flow, Depth, Flow (GPM)	NS	NA	NA	NS	5	1	FR	.34	NF	.50
pH, standard units	0	0	0	0	7.84	7.8	FR	8.1	NF	8.49
Specific Conductivity, umhos.cm @ 25 °C	0	0	0	0	900	705	FR	921	NF	1004
Temperature, °C	0	0	0	0	19.4	10.0	FR	18.6	NF	9.3
Laboratory Measurements										
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	670	670	FR	650	NF	690
Total Hardness (CaCO ₃), mg/l	n/a	n/a	n/a	n/a	322	381	FR	320	NF	372
Total Alkalinity, mg/l	n/a	n/a	n/a	n/a	448	448	FR	370	NF	440
Carbonate (CO ₃), mg/l	n/a	n/a	n/a	n/a	<1	14	FR	<.01	NF	<.01
Bicarbonate (HC ₃), mg/l	n/a	n/a	n/a	n/a	547	517	FR	451	NF	537
Calcium (Ca) (Dissolved), mg/l	n/a	n/a	n/a	n/a	44.2	52.5	FR	45.3	NF	61.3
Chloride (Cl), mg/l	n/a	n/a	n/a	n/a	34	30	FR	24	NF	26
Iron (Fe) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.02	.03	FR	.04	NF	<.02
Iron (Fe) (Total), mg/l	n/a	n/a	n/a	n/a	<.02	.50	FR	<.02	NF	.03
Magnesium (Mg) (Dissolved), mg/l	n/a	n/a	n/a	n/a	51.4	60.9	FR	52.5	NF	53.1
Manganese (Mn) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.01	.02	FR	<.01	NF	
Manganese (Mn) (Total), mg/l	n/a	n/a	n/a	n/a	<.01	.02	FR	<.01	NF	.07
Potassium (K) (Dissolved), mg/l	n/a	n/a	n/a	n/a	.06	.9	FR	.7	NF	1.5
Sodium (Na) (Dissolved), mg/l	n/a	n/a	n/a	n/a	112	119	FR	106	NF	108
Sulfate (SO ₄), mg/l	n/a	n/a	n/a	n/a	115	138	FR	120	NF	137
Oil and Grease, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	FR	n/a	NF	n/a
Cations, meq/l	n/a	n/a	n/a	n/a	11.3 1	12.8 1	FR	11.3 7	NF	12.1 8
Anions, meq/l	n/a	n/a	n/a	n/a	12.3 1	12.6 9	FR	10.5 7	NF	12.3 7

n/a not available / assessable FR Frozen

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Lila Canyon Mine Surface Monitoring Parameters Operational and Post Mining										
Site L-10-G Field Measurements	July 24, 2000	Nov 28, 2000	Feb 7, 2001	Jun 6, 2001	Jul 3, 2001	Oct 10 2001	Mar 27 2002	Jun 4 2002	Aug 13 2002	Oct 14 2002
Water Level or Flow, Depth, Flow (GPM)	NS	NA	NA	NS	.5	.5	<.05	.34	<.1	<.1
pH, standard units	0	0	0	0	7.31	7.97	7.87	7.86	8.1	8.2
Specific Conductivity, umhos.cm @ 25 °C	0	0	0	0	2030	1580	1595	1990	1630	1418
Temperature, °C	0	0	0	0	20.2	12.8	12.7	18.3	20.6	13.3
Laboratory Measurements										
Total Dissolved Solids, mg/l	n/a	n/a	n/a	n/a	1640	1530	1510	1520	1494	1510
Total Hardness (CaCO ₃), mg/l	n/a	n/a	n/a	n/a	617	626	650	606	567	599
Total Alkalinity, mg/l	n/a	n/a	n/a	n/a	500	488	480	439	473	484
Carbonate (CO ₃), mg/l	n/a	n/a	n/a	n/a	<1	19	5	<.01	16	<.01
Bicarbonate (HC ₃), mg/l	n/a	n/a	n/a	n/a	610	556	576	536	545	591
Calcium (Ca) (Dissolved), mg/l	n/a	n/a	n/a	n/a	64.5	65.2	67.4	58.8	59	67.9
Chloride (Cl), mg/l	n/a	n/a	n/a	n/a	72	48	44	43	42	43
Iron (Fe) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.02	<.02	<.02	<.02	<.01	<.02
Iron (Fe) (Total), mg/l	n/a	n/a	n/a	n/a	<.02	<.02	<.02	<.02	.3	.06
Magnesium (Mg) (Dissolved), mg/l	n/a	n/a	n/a	n/a	111	113	117	106	102	104
Manganese (Mn) (Dissolved), mg/l	n/a	n/a	n/a	n/a	<.01	<.01	<.01	<.01	<.01	
Manganese (Mn) (Total), mg/l	n/a	n/a	n/a	n/a	<.01	<.01	<.01	<.01	<.05	<.01
Potassium (K) (Dissolved), mg/l	n/a	n/a	n/a	n/a	1.2	1.1	1.3	1.1	<.1	1.2
Sodium (Na) (Dissolved), mg/l	n/a	n/a	n/a	n/a	305	311	304	286	289	284
Sulfate (SO ₄), mg/l	n/a	n/a	n/a	n/a	635	702	691	696	680	694
Oil and Grease, mg/l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cations, meq/l	n/a	n/a	n/a	n/a	25.6 1	26.0 8	26.2 6	25.0 5	23.9	24.3 4
Anions, meq/l	n/a	n/a	n/a	n/a	25.3 6	25.7 4	25.2 4	24.4 8	24.8	25.3 3

n/a not available / accessible

NS Not Sampled

NA Not accessibly

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**Lila Canyon Mine
Surface Monitoring Parameters
Operational and Post Mining**

Site L-12-G Field Measurements	Oct 10 2001	Mar 27 2002	Jun 4 2002	Aug 13 2002	Oct 14 2002					
Water Level or Flow, Depth, Flow (GPM)	.5	<.25	.11	<.1	<.1					
pH, standard units	7.4	7.75	8.29	8.6	8.3					
Specific Conductivity, umhos.cm @ 25 °C	2840	1672	2430	2312	2320					
Temperature, °C	16	9.6	22.8	22.2	36.2					
Laboratory Measurements										
Total Dissolved Solids, mg/l	1990	1760	2150	629	1720					
Total Hardness (CaCO ₃), mg/l	371	279	308	362	302					
Total Alkalinity, mg/l	550	458	540	678	544					
Carbonate (CO ₃), mg/l	48	11	11	22	<.01					
Bicarbonate (HC ₃), mg/l	573	536	636	783	664					
Calcium (Ca) (Dissolved), mg/l	50.9	31.1	33.8	41	52.3					
Chloride (Cl), mg/l	60	44	51	50	43					
Iron (Fe) (Dissolved), mg/l	.07	<.02	.16	<.1	.04					
Iron (Fe) (Total), mg/l	.31	<.02	.02	1.4	.38					
Magnesium (Mg) (Dissolved), mg/l	59.3	48.9	52.7	63	41.7					
Manganese (Mn) (Dissolved), mg/l			<.01	.25						
Manganese (Mn) (Total), mg/l	.36	<.01	<.01	.25	.27					
Potassium (K) (Dissolved), mg/l	2.6	2	2.6	3	2.4					
Sodium (Na) (Dissolved), mg/l	587	480	613	629	454					
Sulfate (SO ₄), mg/l	973	870	1060	1012	765					
Oil and Grease, mg/l	NR	NR	NR	NR	NR					
Cations, meq/l	33.0 2	26.4 9	33.2 4	34.7	25.8 4					
Anions, meq/l	32.9 5	28.5 2	34.3 4	36	28.0 2					

n/a not available / accessible

NS Not Sampled

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**Lila Canyon Mine
Surface Monitoring Parameters
Operational and Post Mining**

Site L-16-G (Little Stink) Field Measurements	Jun 4 2002	Aug 13 2002	Oct 14 2002							
Water Level or Flow, Depth, Flow (GPM)	<.1	.025	.013							
pH, standard units	8	8.02	8.44							
Specific Conductivity, umhos.cm @ 25 °C	2640	3492	>400 0							
Temperature, °C	21.2	16.7	7.5							
Laboratory Measurements										
Total Dissolved Solids, mg/l	3920	3645	3680							
Total Hardness (CaCO ₃), mg/l	933	823	874							
Total Alkalinity, mg/l	740	871	830							
Carbonate (CO ₃), mg/l	<1	<5	<.01							
Bicarbonate (HC ₃), mg/l	903	1063	1010							
Calcium (Ca) (Dissolved), mg/l	117	97	105							
Chloride (Cl), mg/l	150	143	141							
Iron (Fe) (Dissolved), mg/l	.03	<.01	<.02							
Iron (Fe) (Total), mg/l	1.84	<.1	.12							
Magnesium (Mg) (Dissolved), mg/l	156	141	149							
Manganese (Mn) (Dissolved), mg/l		<.05								
Manganese (Mn) (Total), mg/l	.04	<.05	.01							
Potassium (K) (Dissolved), mg/l	5.8	5	5.3							
Sodium (Na) (Dissolved), mg/l	958	846	918							
Sulfate (SO ₄), mg/l	2050	1803	2050							
Oil and Grease, mg/l	NR	NR	NR							
Cations, meq/l	60.4 5	53.4	53.5 4							
Anions, meq/l	61.7 3	59	63.1 6							

NR Not Required

NS Not Sampled

NA Not accessibly

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**Lila Canyon Mine
Surface Monitoring Parameters
Operational and Post Mining**

Site L-17-G (Big Stink) Field Measurements	Jun 4 2002	Aug 13 2002	Oct 14 2002							
Water Level or Flow, Depth, Flow (GPM)	<.5	.14	.068							
pH, standard units	8.86	9.28	9.15							
Specific Conductivity, umhos.cm @ 25 °C	2390	2534	3355							
Temperature, °C	21.7	16.6	7.4							
Laboratory Measurements										
Total Dissolved Solids, mg/l	2570	2261	2660							
Total Hardness (CaCO ₃), mg/l	157	148	270							
Total Alkalinity, mg/l	830	1021	910							
Carbonate (CO ₃), mg/l	12	78	<1							
Bicarbonate (HC ₃), mg/l	988	1087	1110							
Calcium (Ca) (Dissolved), mg/l	29.3	23	44.7							
Chloride (Cl), mg/l	120	159	141							
Iron (Fe) (Dissolved), mg/l	.43	.1	.09							
Iron (Fe) (Total), mg/l	5.45	.5	.91							
Magnesium (Mg) (Dissolved), mg/l	20.4	22	38.5							
Manganese (Mn) (Dissolved), mg/l		<.05								
Manganese (Mn) (Total), mg/l	.1	<.05	.11							
Potassium (K) (Dissolved), mg/l	3.3	3	3.2							
Sodium (Na) (Dissolved), mg/l	873	796	843							
Sulfate (SO ₄), mg/l	712	672	1090							
Oil and Grease, mg/l	NR	NR	NR							
Cations, meq/l	41.1 8	37.7	42.1 6							
Anions, meq/l	34.8 1	38.9	44.8 5							

NR Not Required

NS Not Sampled

NA Not accessibly

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**Little Park Area
Ephemeral - Intermittent Washes
Water Monitoring**

Since 1988 UEI and their consultants have traveled on Little Park gathering water samples, locating drill holes, gathering baseline data for the Lila Canyon Mine and at no time has there been a single observation of water flow in Little Park Wash, Williams Draw Wash, or in the unnamed wash below L-12-G. When traveling the Little Park Road all three washes are crossed and if there had been any flow, ephemeral or otherwise, it would have been noted. Below are some of the dates that no flow was observed. NOTE: there are many other times when "no flow" observations were made but not recorded.

Date	Little Park Wash L-13-S	Wash Below L-12-G L-14-S	Williams Draw Wash L-15-S	Initial of Observer
12/22/00	No Flow	No Flow	No Flow	MAC
5/15/01	No Flow	No Flow	No Flow	JTP
7/03/01	No Flow	No Flow	No Flow	RJM
9/02/01	No Flow	No Flow	No Flow	RJM
10/10/01	No Flow	No Flow	No Flow	RJM
3/27/02	No Flow	No Flow	No Flow	RJM
4/05/02	No Flow	No Flow	No Flow	RJM
5/29/02	No Flow	No Flow	No Flow	RJM/KH
6/03/02	No Flow	No Flow	No Flow	RJM/SDM
7/8/02	No Flow	No Flow	No Flow	RJM/SDM
8/9/02	No Flow	No Flow	No Flow	RJM/KH
9/2/02	No Flow	No Flow	No Flow	RJM/SDM
10/14/02	No Flow	No Flow	No Flow	RJM

**Little Park Area
Ephemeral - Intermittent Washes
Water Monitoring**

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Date	Little Park Wash <i>L-13-5</i>	Wash Below L-12-G	Williams Draw Wash	Initial of Observer
12/22/00	No Flow	No Flow	No Flow	MAC
5/15/01	No Flow	No Flow	No Flow	JTP
7/03/01	No Flow	No Flow	No Flow	RJM
9/02/01	No Flow	No Flow	No Flow	RJM
10/10/01	No Flow	No Flow	No Flow	RJM
3/27/02	No Flow	No Flow	No Flow	RJM
4/05/02	No Flow	No Flow	No Flow	RJM

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**Monitoring Point
L-18-S
Stinky Springs Wash**

Originally Stinky Spring Wash was thought to have a drainage area of less than 1 square mile making it an ephemeral drainage. However, subsequent calculations have shown Stinky Spring Wash has a drainage area of 1.08 square miles making it intermittent by rule with ephemeral flow. Thus monitoring location L-18-S was identified.

To access L-1-S, L-2-S, and L-3-S, part of the access road travels adjacent to Stinky Spring Wash and L-18-S. Flow, or lack of, was observed during the same observation periods as L-1-S, L-2-S, and L-3-S.

In addition, on a quarterly basis, water samplers walk up the bottom of Stinky Spring Wash to obtain samples from L-16-G (Little Stink), and L-17-G Big Stink). Any flow in Stinky Spring Wash would have been noted.

The dates L-18-S was observed as "Dry No Flow" for 2001 were: 3/23/01, 4/21/01, 5/4/01, 6/19/01, 7/12/01, 8/7/01, 9/4/01, 10/9/01, and 11/21/01. For 2002: 2/21/02, 3/12/02, 4/19/02, 5/29/02, 6/15/02, 7/8/02, 8/14/02, 9/2/02, 10/16/02, and 11/8/02. For 2003: 2/10/03, 3/21/03, 4/15/03, 5/21/03, 6/16/03, 7/22/03, 8/21/03, 9/10/03, 10/16/03, 11/2/03, and 12/18/03. For 2004: 1/21/04, 3/30/04, and 4/21/04 when baseline was completed.

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Names and initials of people on Ephemeral Stream Monitoring Reports.

MAC - Melvin a. Coonrod

JTP - Tom Paluso

RJM - Robert Jay Marshall

SDM- Susan Marshall (Accompanied but was not the primary observer)

KH - Karl Housekeeper (DOGM)