Company Name: ARIMETCO INC.
Laboratory Number: N263-03
Date: October 22, 1999

Calendar Year: 1999

NDEP Profile I I

Sample Date: 9-20-99 Sample Location: Raff	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Alkalinity (Total $CaCO_3$)	-	<0.5	<0.5	<0.5	
Aluminum	0.05 - 0.2	12280	6.022	8136	
Antimony	0.006	<0.070	0.214	<0.070	
Arsenic	0.05	0.305	0.220	0.215	
Barium	2.0	<0.500	<0.500	<0.500	
Beryllium	0.004	0.605	0.438	0.505	
Bismuth	-	<0.500	<0.500	<0.500	
Boron	-	9.309	4.737	3.429	
Cadmium	0.005	0.132	0.101	0.062	
Calcium	-	547	473	373	
Chloride	250 - 400	200	<500	100	
Chromium	0.1	0.124	2.333	2.075	
Cobalt	-	18.74	16.65	18.35	
Copper	1.3	27.2	295	4.670	
Fluoride	2 - 4	444	13.0	14.0	
Gallium	-	<0.250	<0.250	<0.250	
Iron	0.3 - 0.6	88.0	882	816	
Lead	0.015	<0.070	<0.070	<0.070	
Lithium	-	6.137	4.624	6.150	
Magnesium	125 - 150	7141	6248	7517	
Manganese	0.05 - 0.10	191	164	225	
Mercury	0.002	<0.020	<0.020	<0.010	
Molybdenum	-	<0.250	<0.250	<0.250	
Nickel	0.1	15.81	10.53	11.6	
Nitrate (NO_3 + NO_2 as N)	10	26.8	<20	<20	
**pH (± 0.1 units)	5.5 - 8.5	2.58	2.33	2.51	
Phosphorous	-	88.4	154	154	
Potassium	-	120	108	108	
Scandium	-	<1.00	<1.00	<1.00	
Selenium	0.05	0.194	<0.050	0.147	
Silver	0.10	<0.250	<0.250	<0.250	
Sodium	-	831	738	877	
Strontium	-	12.5	12.0	8.46	
Sulfate	250 - 500	95471	71460	99350	
Thallium	0.002	<0.020	<0.020	<0.020	
Tin	-	<1.00	<1.00	<1.00	
Titanium	-	<1.00	<1.00	<1.00	
Total Dissolved Solids	500 - 1000	105750	99600	108600	
Vanadium	-	<1.00	<1.00	<1.00	
W.A.D. Cyanide	0.2	N/A	N/A	N/A	
Zinc	5.0	19.17	18.12	14.72	

* Standards are for reference purposes only

The matrix of this sample results in higher than usual detection limits.

**Reported in S.I. units.

Wayne M. Colwell
Director of Laboratory Services

Company Name: ARIMETCO Inc.
Laboratory Number: N263-03
Date: October 22, 1999

NDEP Form 0180
Calendar Year 1999
Sample Date: 9-20-99

NDEP Profile I

Sample Location: MW - 2	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Depth to Water	Feet				
Sampling Date	-	3-10-99	6-2-99	9-20-99	
**pH	6.5 - 8.5	3.62	3.52	3.83	
Total Dissolved Solids	500 - 1000	52470	53800	50470	
W.A.D. Cyanide	0.20	N/A	N/A	N/A	
Alkalinity (Total as $CaCO_3$)	-	<0.5	<0.5	<0.5	
Bicarbonate (HCO_3 as $CaCO_3$)	-	<0.5	<0.5	<0.5	
Boron	-	32.0	22.1	21.1	
Calcium	-	501	474	395	
Magnesium	125 - 150	2445	2200	2375	
Potassium	-	42.5	34.1	32.9	
Sodium	-	440	414	475	
Aluminum	0.05 - 0.2	5941	2798	3153	
Antimony	0.006	0.036	0.156	<0.005	
Beryllium	0.004	0.340	<0.002	0.248	
Chloride	250 - 400	395	128	438	
Fluoride	2 - 4	165	23	3.0	
Nickel	0.1	**7.000	6.548	<0.050	
Nitrate (NO_3 + NO_2 as N)	10	197	14.1	<20	
Sulfate	250 - 500	32200	26244	57730	
Arsenic	.05	<0.025	0.314	0.050	
Barium	2.0	<0.050	<0.050	<0.050	
Cadmium	0.005	0.128	0.624	0.118	
Chromium	0.1	1.198	0.819	0.675	
Copper	1.3	309	267	280.1	
Iron	0.3 - 0.6	3217	2550	1174	
Lead	0.015	<0.070	<0.070	<0.070	
Manganese	0.05 - 0.10	** 134	119	146.1	
Mercury	0.002	<0.010	<0.010	<0.010	
Selenium	0.05	0.106	<0.050	0.124	
Silver	0.1	<0.035	<0.035	<0.035	
Thallium	0.002	0.017	0.014	0.005	
Zinc	5.0	18.75	19.7	10.64	

*Standards are for reference purposes only.

**Reported in S.I. Units

Wayne M. Colwell
Director of Laboratory Services

COL•TECH EnviroLabs, Inc.
1855 Deming Way, Sparks, Nevada 89431 PH 800 774 5636, 702 331 3600, FAX 702 331 7264

Company Name: ARIMETCO INC.
Laboratory Number: N263-03
Date: October 22, 1999

NDEP Form 0190
Calendar Year 1999

Sample Date: 9-20-99

NDEP Profile I

Sample Location: WW-10	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Depth to Water	Feet				
Sampling Date	-	3-10-99	6-2-99	9-20-99	
**pH	6.5 - 8.5	6.74	7.52	6.57	
Total Dissolved Solids	500 - 1000	3731	3720	3228	
W.A.D. Cyanide	0.20	N/A	N/A	N/A	
Alkalinity (Total as $CaCO_3$)	-	620	606	788	
Bicarbonate (HCO_3 as $CaCO_3$)	-	620	606	788	
Boron	-	1.910	1.579	1.419	
Calcium	-	545	516	448	
Magnesium	125 - 150	142	131	162	
Potassium	-	10.2	10.2	9.24	
Sodium	-	405	396	480	
Aluminum	0.05 - 0.2	1.950	<0.025	0.105	
Antimony	0.006	<0.003	0.006	<0.003	
Beryllium	0.004	0.014	<0.002	<0.002	
Chloride	250 - 400	39.0	36.5	33.0	
Fluoride	2 - 4	2.84	0.85	1.0	
Nickel	0.1	<0.025	0.045	<0.025	
Nitrate (NO_3 + NO_2 as N)	10	1.19	1.09	1.38	
Sulfate	250 - 500	2058	2110	1325	
Arsenic	.05	<0.025	<0.025	<0.025	
Barium	2.0	0.054	<0.050	<0.050	
Cadmium	0.005	<0.003	<0.003	<0.003	
Chromium	0.1	0.011	<0.010	<0.010	
Copper	1.3	0.056	0.036	0.018	
Iron	0.3 - 0.6	1.228	0.881	1.647	
Lead	0.015	<0.007	<0.007	<0.007	
Manganese	0.05 - 0.10	0.588	0.532	0.461	
Mercury	0.002	<0.001	<0.001	<0.001	
Selenium	0.05	0.332	0.291	0.30	
Silver	0.1	<0.035	<0.035	<0.035	
Thallium	0.002	<0.001	<0.001	<0.001	
Zinc	5.0	<0.050	<0.050	<0.050	

*Standards are for reference purposes only.

**Reported in S.I. Units

Wayne M. Colwell
Director of Laboratory Services

COL•TECH EnviroLabs, Inc.
1855 Deming Way, Sparks, Nevada 89431 PH 800 774 3636, 702 331 3600, FAX 702 331 7264

Company Name: ARIMETCO, Inc.
Laboratory Number: N263-03
Date: October 22, 1999

Page: 8 of 11
NDEP Form 0190
Calendar Year 1999
Sample Date: 9-20-99

NDEP Profile I

Sample Location: MW 1	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Depth to Water	Feet				
Date Sampled	-	3-10-99	6-2-99	9-20-99	
**pH	6.5 - 8.5	8.89	6.98	7.60	
Total Dissolved Solids	500 - 1000	2468	2420	1868	
W.A.D. Cyanide	0.20	N/A	N/A	N/A	
Alkalinity (Total as $CaCO_3$)	-	382	370	415	
Bicarbonate (HCO_3 as $CaCO_3$)	-	382	370	415	
Boron	-	2.119	1.889	1.651	
Calcium	-	252	241	177	
Magnesium	125 - 150	61.4	65.5	48.6	
Potassium	-	7.41	7.55	6.90	
Sodium	-	477	442	335	
Aluminum	0.05 - 0.2	0.942	0.386	0.603	
Antimony	0.006	0.004	0.007	<0.003	
Beryllium	0.004	<0.002	<0.002	<0.002	
Chloride	250 - 400	59.5	67.5	40.7	
Fluoride	2 - 4	1.65	0.51	0.49	
Nickel	0.1	<0.25	<0.025	0.032	
Nitrate (NO_3 + NO_2 as N)	10	3.54	3.57	2.47	
Sulfate	250 - 500	1350	1963	851	
Arsenic	.05	0.030	<0.025	<0.025	
Barium	2.0	<0.005	<0.050	<0.050	
Cadmium	0.005	<0.002	<0.003	<0.002	
Chromium	0.1	<0.010	<0.010	<0.010	
Copper	1.3	0.157	0.111	0.126	
Iron	0.3 - 0.6	0.336	0.250	0.785	
Lead	0.015	<0.007	<0.007	<0.007	
Manganese	0.05 - 0.10	0.044	0.017	0.022	
Mercury	0.002	<0.001	<0.001	<0.001	
Selenium	0.05	0.062	0.039	0.042	
Silver	0.1	<0.035	<0.035	<0.035	
Thallium	0.002	<0.001	<0.001	0.002	
Zinc	5.0	<0.050	<0.050	<0.050	

*Standards are for reference purposes only.

**Reported in S.I. Units

Wayne M. Colwell
Director of Laboratory Services

Company Name: ARIMETCO, Inc.
Laboratory Number: N263-03
Date: October 22, 1999

Calendar Year: 1999

NDEP Profile II

Calendar Year 1999 Sample Date: 9-20-99 Sample Location: FX PLS	*Standards (mg/l)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Alkalinity (Total as $CaCO_3$)	-	<0.5	<0.5	<0.5	
Aluminum	0.05 - 0.2	11980	6140	7778	
Antimony	0.006	0.087	0.202	<0.005	
Arsenic	0.05	0.312	0.195	0.202	
Barium	2.0	<0.500	<5.00	<0.500	
Beryllium	0.004	0.614	0.441	0.380	
Bismuth	-	<0.500	<5.00	<0.500	
Boron	-	10.23	5.316	3.127	
Cadmium	0.005	0.216	0.101	0.058	
Calcium	-	521	476	381	
Chloride	250 - 400	355	<500	104	
Chromium	0.1	4.420	2.385	2.064	
Cobalt	-	16.66	17.01	12.63	
Copper	1.3	411	2.319	340	
Fluoride	2 - 4	371	17.8	28	
Gallium	-	<0.250	<0.250	<0.250	
Iron	0.3 - 0.6	760	662	734	
Lead	0.015	<0.070	<0.070	<0.070	
Lithium	-	8.171	4.739	5.990	
Magnesium	125 - 150	8455	5306	7271	
Manganese	0.05 - 0.10	189	168	216	
Mercury	0.002	<0.020	<0.020	<0.010	
Molybdenum	-	<0.250	<0.250	<0.250	
Nickel	0.1	10.76	10.68	11.1	
Nitrate (NO_3 + NO_2 as N)	10	750	<20	4.77	
**pH (± 0.1 units)	6.5 - 8.5	2.85	2.43	2.81	
Phosphorous	-	<0.250	148	47.55	
Potassium	-	250	110	105	
Scandium	-	<1.00	<1.00	<1.00	
Selenium	0.05	0.204	<0.050	0.158	
Silver	0.10	<0.250	<0.250	<0.250	
Sodium	-	1440	750	832	
Strontium	-	12.7	12.4	8.440	
Sulfate	250 - 500	84729	71780	63372	
Thallium	0.002	<0.020	0.021	<0.020	
Tin	-	<1.00	<0.100	<0.100	
Titanium	-	0.584	<1.00	<1.00	
Total Dissolved Solids	500 - 1000	87640	96200	104560	
Vanadium	-	<1.00	<1.00	<1.00	
W.A.D. Cyanide	0.2	N/A	N/A	N/A	
Zinc	5.0	20.32	17.68	15.27	

* Standards are for reference purposes only

**Reported in S.U. units.

Wayne M. Colwell
Director of Laboratory Services

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