4-3
No Date

P.O. Box 32
Colville, Washington 99114
Telephone: (509) 684-7954
Facsimile: (509) 732-6662

Equinox Resources (Wash.) Inc.

Vancouver Address: 1500-625 Howe St.
Vancouver, BC. V6C 2T6
Telephone: (604) 684-1175

Monica Rolluda
EPA Region 10
1200 6th Ave.
Mail Stop HW-114
Seattle, WA 98101

RECEIVED
JAN - 9 1995

Dear Monica:

I hope the package reaches you this time. Please let me know if I am suppose to continue sending our quarterly results to you. The following is a history of the Van Stone Mine sampling under Equinox ownership.

The data collected was by monthly sampling from December 1989 to the mine start-up in April 1991 as background base data, prior to operating. The period from April 91 to November 91 was during operation. When the mine was closed from December 91 to August 92, the samples were taken every 3 months. While we operated from August 92 to December 92, we again went to monthly samples. Since we are again shut down we are sampling every 3 months.

As you go through the data, keep in mind that SW3, SW5, and SW7 are background monitoring sites, which means that they are not affected by the mine site or tailings areas. SW1, SW2, SW4, and SW6 are sites that would show any effects the mine would have on water quality in comparison to the background sites.

The water samples are all gathered in a single morning and then Federal Expressed to a laboratory, that is state certified, in Redmond, WA. These samples must arrive at the lab. in about 24hrs. after being taken, otherwise they begin to de-grade. Results from the lab. are sent back to the mine and we enter them on to our spread sheets, I have enclosed. These results are then sent to the D.O.E. along with the original results from the lab.

The two monitoring wells at the tailings ponds are approximately 25' in depth, which is bedrock, and are to monitor ground water around the tailings area, as opposed to the surface water. Well #1 seldom has sufficient water to sample as indicated by N/A. We #2 also presents difficulty in summer months with inadequate water for sampling. Any N/A for a surface water sample site indicates that a sample was not taken due to us not being able to get to the site (winter).

USEPA SF
1249770

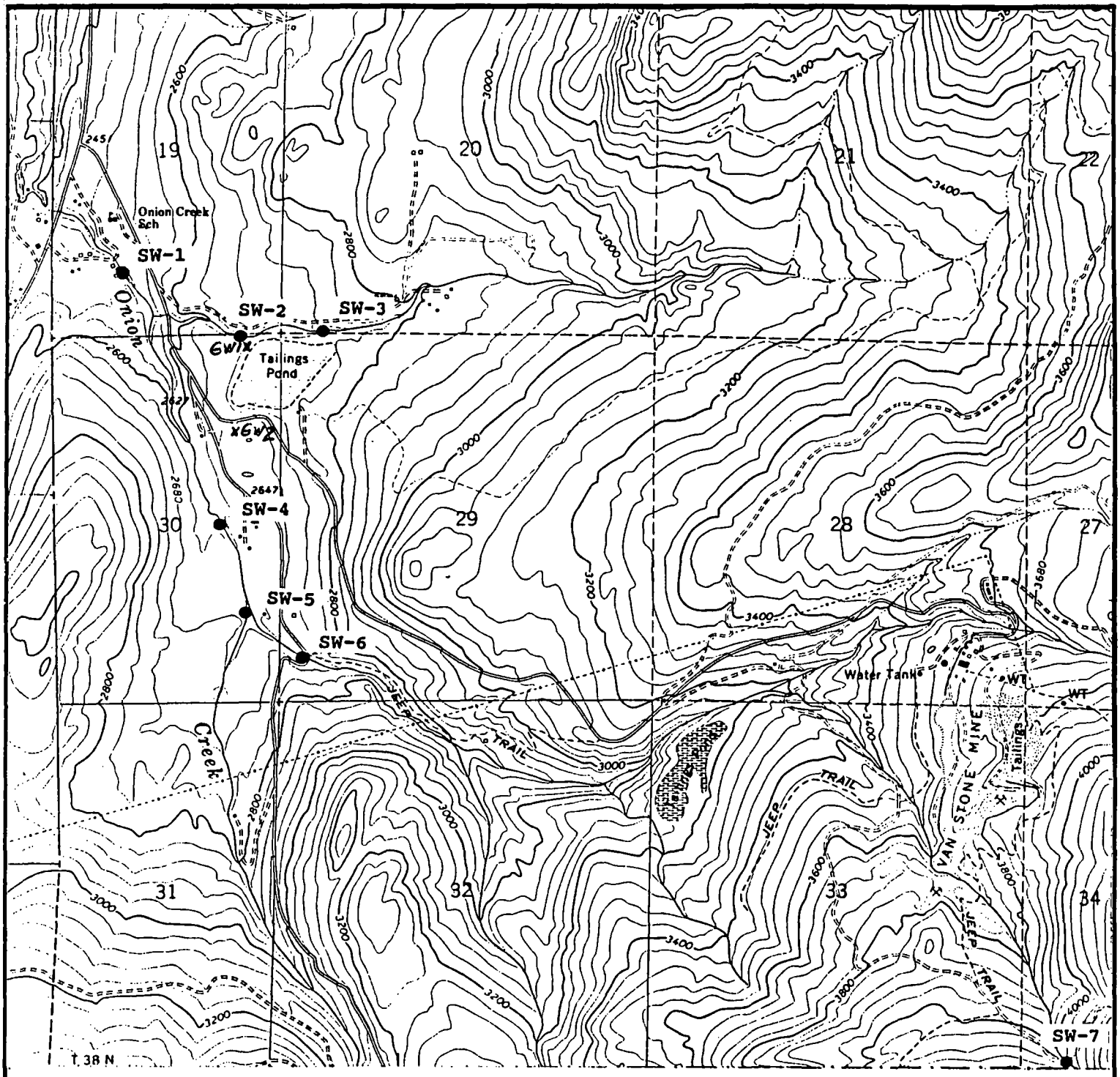
Each sample consists of one large bottle (1 quart), one medium bottle (1 pint) with a preservative, one small bottle (1/2 pint) with a preservative, and one bottle for dissolved oxygen, which is treated with two chemicals when the sample is taken.

Each sample site is also checked for temperature, Ph, and specific conductivity at the time the water sample is taken.

All surface samples are tested for the following: chloride, sulfate, nitrate, ammonia, turbidity, dissolved oxygen, total suspended solids, total dissolved solids, mercury, sodium calcium, magnesium, manganese, silica, iron, silver, arsenic, cadmium, nickel, lead, antimony, and zinc. All well samples are tested for the same as the above, except dissolved oxygen, were as it is tested for total organic carbon.

Yours truly,

John Wright
President



NOTES:

1. SEE REPORT SECTION 4.2 FOR DETAILED SITE LOCATION DESCRIPTIONS.
2. MAP SOURCE: USGS 7.5 MINUTE SERIES FOR ONION CREEK, WA. QUADRANGLE, 1969

LEGEND

SW-1 SURFACE WATER SAMPLE SITE LOCATION, DECEMBER 1989

x GW1 GROUND WATER SAMPLE LOCATION

SCALE 1" = 2000 FEET (APPROX.)

KLOHN LEONOFF INC.
CONSULTING ENGINEERS

PROJECT: VAN STONE MINE

TITLE: SURFACE WATER SAMPLE SITE LOCATION PLAN

CLIENT: EQUINOX RESOURCES LTD.

DATE OF ISSUE	PROJECT No.	DWG. No.	REV.
JANUARY 1990	PW0193.03	A-003	0

APPROVED

1989-1990

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 1 SW
Sample Location: West Fork Onion Creek

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	2.2	0.1	0	1	4.5	6	12	2
pH	8.67	8.18	8.23	8.1	7.83	7.92	8.09	8.16
Spec. Cond.(1)	255	315	391	219	174	174	378	345
Turbidity(2)	1.81	3.1	0.7	5.7	131	17.7	NA	NA
Tot. Susp. Solids	<1	2	<1	14	1	30	3	1
		2						
Tot. Dislv. Solids	153	360	184	250	112	134	250	280
Dissolved Oxy.	12.1	11.2	12.6	12.4	11.1	10.5	NA	NA
				12.4				
Cyanide	0.009	<0.005	0.0007	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	1	0.93	1.45	0.94	1	2	<1	<1
						2		
Sulfate	34.3	41.2	37.9	2.39	13.6	22.4	36	36
		45.7						
Nitrate	<0.5	<0.2	<0.2	0.031	<0.2	0.011	<0.010	0.123
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	0.01	ND	ND	ND	ND	NA	NA
			ND					
As	ND	ND	ND	ND	ND	ND	0.001	0.001
			ND					
Ca	46	46	47	30	25	23	44	48
			47					
Cd	ND	ND	ND	ND	ND	ND	<0.0002	0.0005
			ND					
Fe	0.03	0.04	0.04	0.54	ND	0.75	0.09	0.75
			0.02					
Hg	ND	ND	ND	ND	ND	ND	0.001	<0.0002
			ND					
Mg	11	12	11	7.5	5	4.5	10	12
			11					
Mn	0.008	0.008	0.007	0.023	0.003	0.037	0.008	0.01
			0.007					
Na	3.9	5.1	4.7	6.9	2.2	3.4	4.4	7.1
			4.8					
Ni	ND	ND	ND	ND	ND	ND	<0.01	<0.01
			ND					
Pb	ND	ND	ND	ND	ND	ND	0.009	0.022
			ND					
Sb	ND	ND	ND	ND	ND	ND	NA	NA
Si	6.6	6.4	7.2	5.8	ND	25	NA	NA
			7.2					
Zn	0.053	0.08	0.062	0.135	0.073	0.078	0.045	0.064
			0.07					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 2 SW
Sample Location: Unnamed Stream

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	1.2	0.1	0	1	5.5	7	12	2
pH	8.37	8	8.13	7.93	7.81	7.58	7.86	7.97
Spec. Cond.(1)	385	371	374	266	351	130	465	501
Turbidity(2)	3	2.1	1.19	6.2	264	30	NA	NA
Tot. Susp. Solids	3	4	6	2	6	33	2	1
Tot. Dislv. Solids	190	392	240	225	242	164	350	230
Dissolved Oxy.	12.1	12	12.8	12.2	10.6	9.4	NA	NA
Cyanide	0.008	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	1.8	2.4	1.45	1.64	1.5	3	1.5	<1.0
Sulfate	82	97.3	74.7	51.5	68.9	24.4	100	81
Nitrate	<0.5	<0.2	<0.02	0.118	<0.2	<0.01	0.254	0.09
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	ND	ND	ND	ND	ND	NA	NA
As	ND	ND	NA ND	ND	ND	ND	0.003	0.002
Ca	40	44	0.49 42	29	36	14	43	44
Cd	ND	ND	NA ND	ND	ND	ND	0.0002	0.0005
Fe	0.17	0.07	0.45 0.1	0.62	0.03	2.4	0.24	0.44
Hg	ND	ND	0.97 ND	ND	ND	ND	<0.0002	<0.0002
Mg	14	18	NA 16	9.7	13	3.6	17	17
Mn	0.059	0.065	22 0.053	0.032	0.065	0.125	0.093	0.063
Na	12	13	0.96 12	11	9.9	8	28	13
Ni	ND	ND	19 ND	ND	ND	ND	0.04	<0.01
Pb	ND	ND	0.91 ND	ND	ND	ND	0.006	<0.001
Sb	ND	ND	0.92 ND	ND	ND	ND	NA	NA
Si	13	11	0.32 13	13	2	75	NA	NA
Zn	0.01	0.012	NA 0.029	0.048	0.032	0.035	0.013	0.015
			1.75					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 3 SW
Sample Location: Unnamed Stream

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	0.9	0	0	1	5.5	7	12	2
pH	8.48	7.96	8.09	7.94	7.96	7.54	7.81	7.74
Spec. Cond.(1)	180	203	249	181	210	118	295	227
Turbidity(2)	2.6	2.5	1.75	6.9	162	22	NA	NA
Tot. Susp. Solids	3	3	5	1	<1	25	2	2
Tot. Dislv. Solids	126	288	140	145	156	152	210	150
Dissolved Oxy.	12.4 12.1	10.4	12.7	11.1	10.5	9.7	NA	NA
Cyanide	0.008	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	1.6	2	1.93	1.46	1.5	2.5	<1	<1
Sulfate	19.2	15.9	15 15.1	59.5	12.4	14.4	11	17
Nitrate	<0.5	<0.2	0.26	0.132	<0.2	<0.01	<0.010	0.098

WATER CHEMISTRY -EPA METHOD 200.7

Ag	ND	ND	ND	ND	ND	ND	NA	NA
As	ND	ND	ND	ND	ND	ND	0.003	0.003
Ca	28	28	28	22	25	13	29	28
Cd	ND	ND	ND	ND	ND	ND	0.0004	0.001
Fe	0.19	0.09	0.13	0.68	0.41	2.1	0.2	0.42
Hg	ND	ND	ND	ND	ND	ND	<0.0002	<0.0002
Mg	5.9	6.4	6.1	4.8	5.4	3	6.2	5.9
Mn	0.023	0.029	0.019	0.014	0.039	0.092	0.049	0.03
Na	11	12	11	9.5	9.3	8.1	11	11
Ni	ND	ND	ND	ND	ND	ND	<0.01	<0.01
Pb	ND	ND	ND	ND	ND	ND	0.002	<0.001
Sb	ND	ND	ND	ND	ND	ND	NA	NA
Si	13	11	13	13	3	74	NA	NA
Zn	0.007	0.008	0.011	0.058	0.008	0.023	0.012	0.013

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 4 SW
Sample Location: West Fork Onion Creek

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	2.1	1.2	3.5	2.5	6	6	13	2
pH	8.48	8.18	7.99	7.86	7.86	7.29	8.14	7.98
Spec. Cond.(1)	230	293	306	207	166	173	336	315
Turbidity(2)	1.44	2.6	0.64	3.7	127	11.4	NA	NA
Tot. Susp. Solids	<1	2	<1	<1	<1	21	<1	2
Tot. Dislv. Solids	94	332	174	235	120	122	240	160
Dissolved Oxy.	13.4	10.4	11.9	11.3	10.5	9.5	NA	NA
Cyanide	0.008	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	0.82	77	1.45	<0.2	0.8	2	<1	<1
Sulfate	26.9	35.9	27.3	21.8	11.6	16.5	28	29
Nitrate	<0.5	<0.2	<0.02	0.03	<0.2	<0.010	<0.010	0.056
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	0.01	ND	ND	ND	ND	NA	NA
As	ND	ND	ND	ND	ND	ND	0.001	<0.001
Ca	44	45	44	29	23	24	48	46
Cd	ND	N D	ND	ND	ND	ND	<0.0002	0.0003
Fe	0.03	0.04	ND	0.33	ND	0.54	0.08	0.41
Hg	ND	ND	ND	ND	ND	ND	0.0002	<0.0002
Mg	9.8	11	10	6.7	4.4	4.5	10	11
Mn	0.008	0.008	0.007	0.017	ND	0.021	0.006	0.006
Na	3	4.2	3.3	3.4	1.8	3	3.7	4.2
Ni	ND	ND	ND	ND	ND	ND	<0.01	<0.01
Pb	ND	ND	ND	ND	ND	ND	0.006	<0.001
Sb	ND	ND	ND	ND	ND	ND	NA	NA
Si	6.1	6	6.5	5.2	ND	20	NA	NA
Zn	0.053	0.09	0.044	0.163	0.018	0.073	0.054	0.059

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 5 SW
Sample Location: West Fork Onion Creek

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	2.7	1.1	1.5	2	5	6	12	1
pH	8.22	7.89	7.51	7.45	7.51	7.82	8.16	8.07
Spec. Cond.(1)	230	174	206	127	125	139	374	340
Turbidity(2)	0.32	0.19	0.1	0.3	98	6	NA	NA
Tot. Susp. Solids	<1	<1	<1	4	1	18	2	7
Tot. Dislv. Solids	82	246	110	125	86	106 108	280	220
Dissolved Oxy.	11.4	11.5	11.8	11.8	11.1	9.7	NA	NA
Cyanide	0.009	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	0.48	0.71	<1	<0.2	1	1.5	<1	<1
Sulfate	5.5	7.3	4.88	3.81	3.4	3.5	49	43
Nitrate	<0.5	<0.2	<0.2 0.2	<0.010	<0.2	<0.010	<0.010	0.034
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	ND	ND	ND	ND	ND	NA	NA
As	ND	ND	ND	ND	ND	ND	0.001	<0.001
Ca	33	31	31	20	19	20	44	45
Cd	ND	ND	ND	ND	ND	ND	0.0008	0.0012
Fe	ND	ND	ND	0.04	ND	0.21	0.06	0.93
Hg	ND	ND	ND	ND	ND	ND	<0.0002	<0.0002
Mg	4.4	4.6	4.4	4.1	2.7	2.7	12	13
Mn	0.011	0.003	ND	0.002	ND	0.01	0.006	0.021
Na	1.7	2.7	2.1	14	1.5	2.4	3.5	5.2
Ni	ND	ND	ND	ND	ND	ND	<0.01	<0.01
Pb	ND	ND	ND	ND	ND	ND	0.003	<0.001
Sb	ND	ND	ND	ND	ND	ND	NA	NA
Si	5	4.7	5.2	3.8	ND	14	NA	NA
Zn	0.057	0.013	0.01	0.04	ND	0.008	0.065	0.106

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 6 SW
Sample Location: East Fork Onion Creek

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	1.9	0.1	1	3	6	7	12	1
pH	8.14	8.26	8.11	7.92	7.94	7.95	8.17	8.09
Spec. Cond.(1)	415	350	351	273	191	208	433	372
Turbidity (2)	3	7.3	1.01	5.1	150	27	NA	NA
Tot. Susp. Solids	3	5	1	<1	1	64	3	1
Tot. Dislv. Solids	207	350 354	220 210	305	148	160	290	250
Dissolved Oxy.	12.9	12.2	12.3 12.8	11.1	10.4	9.9	NA	NA
Cyanide	0.009	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	0.005
Chloride	0.82	0.78	<1.01	<0.2	8.7 8.6	0.009	<1	<1
Sulfate	45.1	194	43.1	38.6	20 20.3	<0.010	<1	61
Nitrate	<0.5	<0.2	<0.2	0.026	<0.2	NA	<0.01.	0.033
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	0.01 0.01	ND	ND ND	ND	ND	NA	NA
As	ND	ND ND	ND	ND ND	ND	ND	0.001	<0.001
Ca	48	57 57	48	36 36	27	26	49	48
Cd	ND	ND ND	ND	ND ND	ND	ND	0.0003	0.001
Fe	0.05	0.04 0.04	0.02	0.65 0.64	0.05	1.3	0.08	0.54
Hg	ND	ND ND	ND	ND ND	ND	ND	<0.0002	<0.0002
Mg	14	16 16	14	10 10	6.5	6.9	15	15
Mn	0.011	0.013 0.12	0.009	0.029 0.03	0.004	0.056	0.009	0.013
Na	3.3	4.7 4.8	4	4.9 3	2.9	3.7	2.9	4.5
Ni	ND	6.1 ND	ND	ND ND	ND	ND	<0.01	<0.01
Pb	ND	ND ND	ND	0.02 ND	ND	0.03	0.027	<0.001
Sb	ND	ND ND	ND	ND ND	ND	ND	NA	NA
Si	6.4	6.1 6	6.9	6.5 6.5	ND	29	NA	NA
Zn	0.019	0.144 0.145	0.094	0.17 0.2	0.033	0.17	0.015	0.119

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 7 SW
Sample Location: Middle Fork Onion Creek

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	3.1	NA	NA	NA	4	5.5	9.5	2
pH	8.32	NA	NA	NA	7.69	7.41	8.33	7.21
Spec. Cond.(1)	170	NA	NA	NA	116	73	188	111
Turbidity(2)	1.18	NA	NA	NA	60.9	4.2	NA	NA
Tot. Susp. Solids	<1	NA	NA	NA	<1	5	4	2
	<1					3		2
Tot. Dislv. Solids	78	NA	NA	NA	64	80	80	50
	76							
Dissolved Oxy.	11.6	NA	NA	NA	10.3	10.2	NA	NA
Cyanide	0.007	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Chloride	0.46	NA	NA	NA	0.8	2	<1	<1
Sulfate	1.6	NA	NA	NA	1.4	11.1	<1	1
	2.6							
Nitrate	<0.5	NA	NA	NA	<0.2	<0.010	<0.010	<1.01
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	ND	NA	NA	NA	ND	ND	NA	NA
As	ND	NA	NA	NA	ND	ND	0.001	<0.001
								<0.001
Ca	15	NA	NA	NA	11	8.9	11	13
							11	13
Cd	ND	NA	NA	NA	ND	ND	0.0003	0.0005
								0.0005
Fe	ND	NA	NA	NA	ND	0.29	0.08	0.41
							0.09	0.39
Hg	ND	NA	NA	NA	ND	ND	<0.0002	<0.0002
								<0.0002
Mg	3.3	NA	NA	NA	1.9	1.8	1.6	2
							1.6	2
Mn	ND	NA	NA	NA	ND	0.007	0.004	0.008
							0.004	0.005
Na	1.6	NA	NA	NA	1.5	2.2	0.33	2
								2
Ni	ND	NA	NA	NA	ND	ND	<0.01	<0.01
							<0.01	<0.01
Pb	ND	NA	NA	NA	ND	ND	0.003	<0.001
								<0.001
Sb	ND	NA	NA	NA	ND	ND	NA	NA
Si	4.3	NA	NA	NA	ND	12	NA	NA
Zn	0.01	NA	NA	NA	ND	0.006	0.01	0.014
							0.011	0.009

EQUINOX RESOURCES INC.
Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1989 AND 1990

Sample Name: 1 GW
Sample Location: Northwest Corner of Containment Dike

Report Date: May 14, 1991

FIELD & WATER QUALITY DATA	1989	1990						
	12/8	1/24	3/14	4/4	5/10	6/4	9/9	11/30
Temp. (C)	NA	6.3	7	8	8	8	8	8
pH	NA	7.16	7.06	6.77	6.89	6.96	7.52	7.1 7.09
Spec. Cond.(1)	NA	1230	1433	1517	1556	1521	979	1029
Turbidity(2)	5250	1750 1650	7.2	3.2	1200	135	NA	NA
Tot. Susp. Solids	7320	2170	623 640	115	182	181	590 650	3480
Tot. Dislv. Solids	1090	1110	1100	1220	1160	1220	760 780	760 850
Tot. Organ. Carb.	2.73	42.8	3.67	2.87	N/C	4.81	NA	NA
Cyanide	0	<0.005 <0.005	<0.005	<0.005	<0.005	<0.005 <0.005	<0.005	0.005 0.005
Chloride	5.2	4.3	6.27	5.8	6	5.5	<2	1.5 1.5
Sulfate	49	558	607	722	768	630	390	340
Nitrate	2.11	<0.22	<0.2	0.14	<0.2	0.156	<0.010	0.105 0.161
WATER CHEMISTRY -EPA METHOD 200.7								
Ag	0.02	0.02	ND	0.01	ND ND	ND	NA	NA
As	ND	ND	ND	ND	ND ND	ND	0.001	0.003
Ca	140	170	180	170	180 180	170	83	120
Cd	0.005	ND	ND	ND	ND ND	ND	0.0014	0.0083
Fe	2.6	4.5	1	1.9	2.5 2.3	3.6	0.13	11
Hg	ND	ND	ND	ND	ND ND	ND	0.0012	<0.0002
Mg	60	92	100	100	100 100	98	62	72
Mn	1.58	0.758	0.18	0.093	0.098 0.097	0.114	0.013	0.4
Na	100	34	24	56	24 25	25	12	16
Ni	0.01	ND	ND	ND	ND ND	ND	<0.01	<0.01
Pb	0.06	ND	ND	0.02	0.02 0.03	0.03	0.006	0.011
Sb	ND	ND	ND	ND	ND ND	ND	NA	NA
Si	11	15	12	10	3.6 3	60	NA	NA
Zn	0.543	0.244	0.09	0.185	0.163 0.17	0.143	0.072	0.31

1991

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sa' 'e Name: 1 SW
Sa. .e Location: West Fork Onion Creek

Report Date: Nov - 12 - 91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	1	1	2	3	6	8	11	12	9.5	2	3
pH	8.06	8.14	7.36	6.94	7.04	6.96	6.73	6.65	7.05	7.88	7.35
Spec. Cond.(1)	332	347	390	250	160	270	310	380	402	430	438
Turbidity(2)	NA	NA	NA	NA	NA	9.8	5	2.5	0.42	0.24	0.81
Tot. Susp. Solids	3	6	<1	6	12 14	28	8	150 150	4	1	4
Tot. Dislv. Solids	210	720	10	150	100	180	190	250	260	120	130
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	4.7	32	24	24	24
Chloride	<1 <1	<1 <1	<1	1	1.2	2.5	<1	<1	<1	<1	<1
Sulfate	37	30	32	25	9.3	17	21	40	52	49	50
Nitrate	0.112	0.194	0.198	0.249	0.065	0.23	0.68	0.91	0.77	0.31	0.22
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.03	<0.001	0.001	<0.001	<0.001
Calcium	48	41	44	34	21	30	44	45	56	53	41
Cadmium	0.0002	0.002	0.0004	0.0006	0.0004	0.0006	<0.002	<0.0005	<0.0005	<0.0005	0.2
Iron	<0.01	0.04	0.14	0.47	0.54	<0.01	0.25	<0.01	0.01	<0.01	0.03
Mercury	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	11	10	10	8	4.1	7.2	9	11	14	13	11
Manganese	0.006	0.018	<0.002	0.009	0.009	0.016	0.015	0.006	0.009	0.018	0.008
Sodium	4.6	5.1	6	4.8	2.4	3	3.6	5.4	5.1	4.7	3.2
Nickel	<0.01	<0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.011	0.006	0.005	0.01	0.01	0.068	0.02	0.002	<0.001	0.003	0.006
Silicon	NA	NA	NA	NA	NA	7.5	8.9	<0.1	3	6.6	6.8
Silver	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.091	0.109	0.116 0.116	0.12	0.092	0.15	0.057	0.018	0.033	0.029	0.05

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sa' 'e Name: 2 SW
Sa..ie Location: Unnamed Creek

Report Date: Nov - 12 91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	1	1	2	2	7	7	11	12	9	2.5	2.5
pH	7.97	7.9	7.14	7.08	6.96	7.07	6.77	6.65	7.07	7.35	7.22
Spec. Cond.(1)	397	378	430	340	230	230	230	350	606	533	362
Turbidity(2)	NA	NA	NA	NA	NA	18	9.2	3.3	1.2	0.65	1.3
Tot. Susp. Solids	110	30	2	14	13	21	11	4	<1	3	1
Tot. Dislv. Solids	260	210	18	160	200	210	190	250	270	220	170
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	18	31	10	26	19
Chloride	<1	1	<1	1.6	1.3	3	<1	1.2	<1	1.2	<1
Sulfate	8	72	68	2.3	29	19	21	48	85	110	56
Nitrate	0.177	69 0.295	0.239	0.198	30 0.058	0.037	0.48	0.012	0.033	<0.01	0.041
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	0.004	0.002	<0.001	0.002	0.001	<0.001	<0.03	0.002	0.002	0.002	0.002
Calcium	49	41	36	24	23	15	25	34	43	46	39
Cadmium	0.0012	0.0007	0.0002	0.0003	<0.0002	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	0.053
Iron	1.1	<0.01	0.3	0.21	0.54	0.79	0.86	0.19	0.08	<0.01	0.03
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	0.0003	<0.0002	<0.0002
Magnesium	19	15	12	6.6	6.8	4.7	6.6	11	15	18	14
Manganese	1.58	0.036	<0.002	0.023	0.044	0.045	0.058	0.03	0.069	0.08	0.043
Sodium	11	13	10	9.5	8.8	6.4	8.4	11	11	6.9	9.7
Nickel	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.03	0.015	0.006	0.006	0.007	0.005	<0.02	0.0002	0.002	0.004	<0.001
Silicon	NA	NA	NA	NA	NA	16	18	2.4	9.5	13	16
Silver	0.004	0.002	<0.001	0.002	0.001	<0.001	<0.03	0.002	0.002	0.002	0.002
Zinc	0.167	0.13	0.033	0.07	<0.002	0.01	0.055	0.003	0.004	0.006	0.005

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 3 SW
Sample Location: Unnamed Creek

Report Date: Nov - 12 - 91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	1	1	2	2	7	8	11	12	9	2.5	2.5
pH	8.04	7.67	7.31	7.07	7.1	7.27	6.79	6.9	7.36	8.01	6.95
Spec. Cond.(1)	224	325	240	190	210	230	230	290	268	252	218
Turbidity(2)	NA	NA	NA	NA	NA	16	11	17	1	0.86	2.9
Tot. Susp. Solids	61	12	26	8	9	17	9	29	1	<1	12
Tot. Dislv. Solids	120	230	110	160	170	190	170	170	170	120	94
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	7.9	18	13	30	32
Chloride	<1	1	<1	5.8	1.2	2.6	<1	<1	<1	1.1	<1
Sulfate	14	15	15	16	12	10	16	11	13	14	17
Nitrate	0.166	0.326	0.338	16 0.18	0.057	0.034	1.6	<0.01	0.18	0.026	0.13
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	0.002	0.002	0.002	0.001	0.002	0.001	<0.03	0.002	0.002	0.003	0.002
Calcium	28	27	28	20	20	14	21	25	28	29	24
Cadmium	<0.0002	<0.0002	0.0002	0.0004	0.0003	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	0.091
Iron	<0.01	<0.01	0.26	0.83	0.68	0.78	0.89	0.27	0.23	<0.01	0.02
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	6	6.1	6.3	4	4.3	3.4	4.1	5.5	6.2	6.5	5.8
Manganese	0.02	<0.002	<0.009	0.019	0.032	0.038	0.055	0.009	0.034	0.038	0.022
Sodium	10	12	11	9.1	8.9	6.7	7.7	10	11	5.4	9
Nickel	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.005	0.003	0.008	0.009	0.007	0.004	>0.02	0.002	0.001	0.002	0.007
Silicon	NA	NA	NA	NA	NA	17	18	3.6	8.6	14	17
Silver	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	>0.01	<0.01
Zinc	0.033	<0.002	0.064	0.07	0.092	0.032	0.012	0.015	<0.002	<0.002	0.012

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 4 SW
Sample Location: West Fork Onion Creek

Report Date: Nov - 12 -91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	1	2	3	3	6	8	11	12	10	3	4
pH	8.11	8.09	7.58	7.08	7.07	7.52	6.95	7.19	7.32	7.06	7.51
Spec. Cond.(1)	308	300	310	250	160	260	340	420	361	399	338
Turbidity(2)	NA	NA	NA	NA	NA	8.5	2.2	0.79 0.79	0.24	0.17	1.3
Tot. Susp. Solids	6	14 16	<1 <1	6	11	28	4	1	3	<1	4
Tot. Dislv. Solids	200	170 180	180 190	140	100	180	200	240 240	220	160	52
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	8.6	25	16	20	17
Chloride	<1	<1	<1	<1	<1	1.8	<1	<1	<1	<1	<1
Sulfate	23 22	25	25	18	7.5	17	17	29	41	38	41
Nitrate	0.08	0.188	0.154 0.159	0.178	0.06	0.24	0.79	1.1	0.61	0.24	0.26
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.001	<0.001	<0.001	<0.001
Calcium	44	39	40	33	19	27	47	47	48	47	44
Cadmium	0.0002	<0.0002	0.0002	0.0006	0.0002	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.001
Iron	<0.01	<0.01	0.06	0.34	0.11	<0.01	0.13	0.05	0.01	<0.01	<0.01
Mercury	0.0004	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magneseium	9.3	8.8	9.3	6.9	3.3	6.1	8.9	11	12	12	11
Manganese	0.009	<0.002	<0.002	0.007	0.006	0.007	0.008	0.006	0.003	0.007	0.007
Sodium	3.5	4.5	3.9	4.3	1.8	2.1	3	4.5	4.6	3.3	3
Nickel	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.006	0.002	0.003	0.014	0.008	0.023	<0.02	0.002	0.002	0.002	0.01
Silicon	NA	NA	NA	NA	NA	5	7.7	<0.1	2.2	5.4	7.2
Silver	NA	NA	NA	NA	NA	<.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.079	<0.002	0.047	0.18	0.032	0.057	0.039	0.032	0.018	0.02	0.063

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 5 SW
Sample Location: East Fork Onion Creek Report Date: Nov - 12 - 91

FIELD & WATER QUALITY DATA	1991				
	7/17	8/29	9/24	10/22	11/12
Temp. (C)	11	12	9	3	2.5
pH	7.11	7.43	7.36	8.05	7.48
Spec. Cond.(1)	270	290	291	289	262
Turbidity(2)	1.1	59	0.07	0.19	0.67
Tot. Susp. Solids	<1	34	26	<1	<1
Tot. Dislv. Solids	160	170	160	110	54
Dissolved Oxy.	5.3	NA	19	NA	17
Chloride	<1	<1	<1	<1	<1
Sulfate	3.8	<10	10	<10	<10
Nitrate	0.55	<0.01	<0.01	5.3	0.063
WATER CHEMISTRY -EPA METHOD 200.7					
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.03	<0.001	<0.001	<0.001	<0.001
Calcium	44	40	40	36	32
Cadmium	<0.002	<0.0005	<0.0005	<0.0005	0.057
Iron	0.04	0.03	0.05	<0.01	<0.01
Mercury	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	5	5.2	5.4	4.8	4.5
Manganese	<0.002	<0.002	0.004	0.008	<0.002
Sodium	2	3.4	2.6	1.8	1.4
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.02	0.001	0.002	0.011	0.003
Silicon	6.6	<0.1	1.5	4.5	5.4
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.015	0.01	<0.002	<0.002	0.002

Van Stone Mine

^SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 6 SW
Sample Location: West Fork Onion Creek

Report Date: Nov - 12 - 91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	1	2	2	3	6	8	11	12	9.5	3	2.5
pH	8.16	8.12	7.31	7.01	7.15	7.61	7.37	7.4	7.41	8.08	7.67
Spec. Cond.(1)	331	320	240	300	170	290	390	470	474	446	362
Turbidity(2)	NA	NA	NA	NA	NA	19	46	200	0.28	0.21	2.4
Tot. Susp. Solids	3	18	<1	22	16	63	31	2	<1	9	25
Tot. Dislv. Solids	230	200	210	180	110	200	250	330	330	250	50
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	6.3	NA	23	18	5.4
Chloride	<1	<1	<1	<1	<1	1.8	<1	1.1	<1	1	<1
Sulfate	40	43	49	<1 35	14	35	67	72	100	77	38
Nitrate	0.07	0.243	0.373	33 0.369 0.361	0.105	0.47	0.69	2.1	1.7	0.56	0.41
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.03	<0.001	<0.001	<0.001	<0.001
Calcium	44	39	49	34	23	26	55	53	62	58	44
Cadmium	0.0003	0.0002	0.0005	0.0003	<0.0002	0.0009	<0.002	0.0006	<0.0005	<0.0005	0.307
Iron	0.05	<0.01	0.33	<0.01	0.03	<0.01	1.3	0.08	<0.01	<0.01	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	12	12	15	9.2	5.8	8.3	18	18	20	18	14
Manganese	0.008	<0.002	<0.002	0.008	0.01	0.017	0.047	0.006	0.003	0.012	0.01
Sodium	3.5	4.5	4.9	4.3	2.8	2.3	4	5.4	8.7	4.3	3.6
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.006	0.005	0.005	0.015	0.003	0.1	0.08	0.003	0.002	0.004	0.009
Silicon	NA	NA	NA	NA	NA	<0.01	11	<0.1	2.6	6.5	7.4
Silver	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.128	<0.002	0.173	0.11	0.038	0.21	0.31	0.12	0.05	0.052	0.078

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 7 SW
Sample Location: Middle Fork Onion Creek

Report Date: Nov - 12- 91

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	0.5	2	2	3	6	5	8	9	7.5	3	2.5
pH	7.5 7.53	8.09	7.39	7.11	7.02	6.63	6.79	6.61	6.9	7.58	7.13
Spec. Cond.(1)	85	207	220	210	160	190	190	190	180	148	199
Turbidity(2)	NA	NA	NA	NA	NA	2.3	1	4.5	0.17	0.35	0.34
Tot. Susp. Solids	38	10	4	10	1	2	1	20	1	<1	2
Tot. Dislv. Solids	16 22	110	98	120	100	140	130	160	98	68	44
Dissolved Oxy.	NA	NA	NA	NA	NA	NA	15	20	14	10	22
Chloride	<1	<1	<1	<1	<1	1.6	<1	<1	<1	<1	<1
Sulfate	<1	2.7	<1 3.3	3.9	<1 <3.	4.5	<1	<10	<10	<10	<10
Nitrate	0.015	0.018 0.029	0.096	0.047	0.029	0.011	0.95	0.01	<0.01	0.47	0.34
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.001	<0.001	<0.001	<0.001
Calcium	14	30	82	29	21	14	29	26	23	20	23
Cadmium	<0.0002	<0.0002	0.0003	0.0004	<0.0002	<0.0005	<0.002	<0.0005	0.0008	<0.0005	0.61
Iron	0.48	<0.01	0.19	0.94	0.04	<0.01	0.15	0.05	<0.01	<0.01	<0.01
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.01	<0.0002	0.0017	<0.0002	<0.0002
Magnesium	2	6.4	6.5	5.5	3.5	2.8	4.9	5.5	4.6	4.4	4.7
Manganese	0.037	<0.002	<0.002	0.004	<0.002	<0.002	<0.002	<0.002	0.002	0.01	<0.002
Sodium	12	3.1	2.4	2.9	1.8	0.7	1.5	7.9	1.7	1.9	1.8
Nickel	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.007	0.002	0.007	0.011	0.007	0.003	<0.02	<0.001	<0.001	0.003	0.003
Silicon	NA	NA	NA	NA	NA	2.7	5.6	<0.1	1.3	3.6	5.2
Silver	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.018	<0.002	0.08	0.07	<0.002	<0.002	0.03	0.017	<0.002	0.002	0.003

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 8 SW
Sample Location: Creek Near Mine House Report Date: Jan - 6- 93

FIELD & WATER QUALITY DATA	1991				
	7/17	8/29	9/24	10/22	11/12
Temp. (C)	10	10	8	3	2
pH	6.66	6.64	7.19	7.48	6.93
Spec. Cond.(1)	190	280	335	690	343
Turbidity(2)	2.5	0.98	3.9	0.87	1.5
Tot. Susp. Solids	6	58	34	25	3
Tot. Dislv. Solids	130	190	210	250	120
Dissolved Oxy.	NA	NA	19	22	16
Chloride	<1	<1	<1	8.4	<1
Sulfate	3.7	<10	12	110	17
Nitrate	5.2	<10 0.75	0.27	3.2	0.94
WATER CHEMISTRY -EPA METHOD 200.7					
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.03	0.001	<0.001	<0.001	<0.001
Calcium	26	36	41	64	44
Cadmium	<0.002	<0.0005	<0.0005	<0.0005	0.07
Iron	0.17	0.18	0.1	<0.01	<0.01
Mercury	<0.01	<0.0002	0.0012	<0.0002	<0.0002
Magnesium	5	8.5	10	18	12
Manganese	0.005	0.005	0.007	0.015	<0.002
Sodium	2.4	9.1	4.6	5.3	4.3
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.02	<0.001	0.002	0.007	0.001
Silicon	8.7	<0.01	3.4	5.8	7.4
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.022	0.013	<0.002	0.01	0.002

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

mple Name: 1 GW
ample Location: Northwest Corner of Containment Dike

Report Date: December 15, 199

FIELD & WATER QUALITY DATA	1991										
	1/24	2/28	3/28	4/18	5/16	6/13	7/17	8/29	9/24	10/22	11/12
Temp. (C)	NA	5	5	7	10	9	10	10	11.5	7.5	7.5
pH	NA	8.22	6.85	6.77	6.77	6.56	6.73	6.79	6.88	7.11	6.55
Spec. Cond.(1)	NA	1294	1460	1480	1530	1540	1560	1560	1525	1512	1471
Turbidity(2)	NA	NA	NA	NA	NA	99	83	340	3.8	51	130
Tot. Susp. Solids	NA	1100	56	120 130	340	190	180	63	300	86	59
Tot. Dislv. Solids	NA	1100	780	1100 1100	1200	1300	1300	1300	1200	1000	1200
Tot. Organ. Carb.	NA	NA	NA <0.005	NA 0.006	NA	10	25	<0.05	32	12	30
Chloride	NA	3.6	3.8	4.2	5.6	6.8	4 4	4.9 4.9	4.2	5.2	2.7
Sulfate	NA	570	540 540	580	670	680	740 740	620	880	720	500
Nitrate	NA	0.074	0.153	0.125	0.074 0.073	0.094	4.2 4.2	0.089 0.089	0.11	0.061	0.19
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	NA	NA	NA	NA	NA	<0.02	NA	<0.02	<0.02	<0.02	<0.02
Arsenic	NA	<0.001	<0.001	0.001	0.001	0.002	NA	<0.001	0.002	<0.001	0.001
Calcium	NA	87	160	140	190	150	190	170	210	160	190
Cadmium	NA	0.0003	0.0012	0.0021	0.003	0.0022	NA	0.0022	<0.000	0.0016	1.76
Iron	NA	<0.01	0.64	0.89	0.73	5.1	3.4	0.11	3.4	3.2	2.8
Mercury	NA	<0.000	<0.000	<0.000	<0.000	<0.000	<0.01	<0.000	0.0004	<0.000	<0.0002
Magnesium	NA	91	100	90	110	95	120	110	130	100	120
Manganese	NA	0.025	0.01	0.057	0.088	0.17	0.15	0.003	0.19	0.15	0.22
Sodium	NA	16	15	15	18	14	18	15	20	12	16
Nickel	NA	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01	0.01	<0.01	<0.01
Lead	NA	0.012	0.014	0.071	0.057	0.072	NA	0.006	0.12	0.076	0.16
Silicon	NA	NA	NA	NA	NA	17	15	5.1	11	10	9.4
Silver	NA	NA	NA	NA	NA	<0.01	NA	<0.01	<0.01	<0.01	<0.01
Zinc	NA	<0.002 <0.002	0.084	0.18	0.368	0.31	NA	0.16	0.5	0.2	0.16

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 2 GW
Sample Location: 2nd Well at Tailings

Report Date: Jan - 6 - 93

FIELD & WATER QUALITY DATA	1991				
	7/17	8/29	9/24	10/22	11/12
Temp. (C)	10	11	12	7	10
pH	6.81	6.89	7.02	7.57	7.23
Spec. Cond.(1)	680	850	833	741	722
Turbidity(2)	88	300	3.4	21	64
Tot. Susp. Solids	190	430	310	81	280
Tot. Dislv. Solids	460 460	550	520	510	420
Tot. Organ. Carb.	NA	1.2	34	36	32
Chloride	3.1	4.9	4.4	5.7	3.2
Sulfate	120	180	240	190	130
Nitrate	0.36	0.37	0.32	8.3	0.13
WATER CHEMISTRY -EPA METHOD 200.7					
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	2.6	0.002	0.004	0.003	0.003
Calcium	120	120	140	83	110
Cadmium	0.005	0.0007	<0.0005	0.0011	2.87
Iron	2	0.18	2.3	0.55	1.1
Mercury	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	34	26	37	22	16
Manganese	0.14	0.022	0.13	0.051	0.081
Sodium	19	14	18	11	16
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.08	0.002	0.074	0.049	0.11
Silicon	20	9.2	15	15	13
Silver	<0.01	<0.01	<0.01	<0.01	<0.02
Zinc	0.32	0.046	0.31	0.11	0.39

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991 - 1992

nple Name: Mine Water
Sample Location: Mine Water Discharge

Report Date: Nov -23-92

FIELD & WATER QUALITY DATA	19 91		1992								
	6/13	9/24	3/19	6\12	10/29						
Turbidity(2)	NA	NA	NA	170	NA						
Tot. Susp. Solids	17	5	2	18	7						
Tot. Dislv. Solids	NA	N A	NA	450	NA						
Cyanide	0.11	NA	NA	NA	NA						
WATER CHEMISTRY -EPA METHOD 200.7											
Mercury	<0.0002	0.0004	<0.0002	<0.0002	<0.0002						
Copper	<0.002	<0.002	<0.002	NA	0.009						
Pb	0.059	0.094	0.014	0.05	0.12						
Zn	0.14	0.018	0.18	0.15	0.21						

WEEKLY FIELD MEASUREMENTS

Date	pH	Spec. Cond.
7 June	7 .15	7 70
12 June	6 .71	7 30
21 June	6 .82	7 40
3 July	6 .53	7 90
8 July	6 .46	8 00
19 July	6 .81	7 80
23 July	6 .90	7 50
2 Aug	6 .57	8 30
9 Aug	6 .37	7 80
12 Aug	6 .48	7 70
23 Aug	7 .02	7 50
13 Sept	7 .21	7 60
19 Sept	7 .02	7 20
24 Sept	6 .76	6 96
3 Oct	6 .82	7 20
9 Oct	6 .75	7 30
19 Mar	6 .32	6 87
12 June	7 .19	7 22
26 June	6 .89	7 11
3 July	7 .10	6 95
16 July	7 .08	6 83
27 July	6 .92	6 97
5 Aug	7 .05	7 19
14 Aug	7 .59	7 58
21 Aug	6 .04	7 85
28 Aug	6 .72	8 44
4 Sept	6 .58	7 70
11 Sept	6 .68	8 10
18 Sept	6 .67	7 74
25 Sept	6 .78	9 66
2 Oct	6 .99	6 78
9 Oct	6 .84	7 09
16 Oct	7 .02	10 42
23 Oct	6 .97	8 09

EQUINOX RESOURCES INC.
Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: Tailings Liquid
Sample Location: Tailings Thickner Overflow

Report Date: Nov-23- 1992

FIELD & WATER QUALITY DATA	1991		1992									
	6/13	9/24	10/29									
Temp. (C)	12	18.5	11.25									
pH	8.2	6.62	9.67									
Spec. Cond.(1)	460	1027	1226									
Cyanide	<0.005	NA	NA									
Chloride	25	42	86									
Sulfate	140	500	450									
Nitrate	0.84	1.6	1.4									
WATER CHEMISTRY -EPA METHOD 200.7												
Antimony	0.06	0.08	0.08									
Arsenic	0.003	NA	<0.001									
Calcium	42	91	210									
Cadmium	0.033	0.0021	<0.002									
Iron	0.37	0.65	0.11									
Mercury	<0.0002	0.0004	<0.0002									
Magnesium	9.4	65	7.3									
Manganese	0.012	0.012	0.006									
Sodium	17	40	47									
Nickel	<0.01	<0.01	<0.01									
Lead	3.2	NA	0.087									
Silicon	2.6	0.2	3									
Silver	<0.01	<0.01	<0.01									
Zinc	8.6	0.63	0.18									

1992

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 1 SW
Sample Location: West Fork Onion Creek

Report Date: March- 19 -93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec				
Temp. (C)	4	12	13	9.5	5	1	0				
pH	7.52	7.13	6.74	7.06	7.47	7.34	6.95				
Spec. Cond.(1)	272	405	492	502	431	421	394				
Turbidity(2)	4.4	0.35	0.92	0.85	0.14	0.39	0.75				
Tot. Susp. Solids	10	2	<1	4	7	4	2				
Tot. Dislv. Solids	110	180	180	280	24	60	240				
Dissolved Oxy.	20	12	21	10.00	8.50	7.10	4				
Chloride	<1	<1	<1	<1	1.20	<1	1.1				
Sulfate	20	38	100	73	54	61	50				
Nitrate	0.24	0.23	0.29	1.00	1.40	1.10	0.82				
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Arsenic	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001				
Calcium	29	49	65	73	76	56	61				
Cadmium	0.0004	<0.002	<0.002	<0.002	<0.002	0.0002	0.0005				
Iron	0.16	0.03	0.15	0.10	0.06	0.05	0.04				
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
Magnesium	6.2	12	18	20	19	14	14				
Manganese	0.012	0.007	0.01	0.02	0.008	0.006	0.014				
Sodium	2.4	4.5	20	6.9	7.5	5.2	6				
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Lead	0.004	0.004	0.002	0.00	0.004	0.002	<0.001				
Silicon	6.2	9.2	9.7	11	11	9	9.7				
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Zinc	0.056	0.067	0.047	0.06	0.078	0.064	0.03				

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 2 SW
Sample Location: Unnamed Creek

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	3	12	13	10	5	0	n/a
pH	7.37	7.00	6.49	6.85	7.07	6.87	n/a
Spec. Cond.(1)	344	442	621	563	606	478	n/a
Turbidity(2)	6.9	1.4	2.8	0.96	0.35	2.6	n/a
Tot. Susp. Solids	1	2	6	2	2	110	n/a
Tot. Dislv. Solids	160	270	220	340	290	76	n/a
Dissolved Oxy.	43	24	23	9	9.3	17	n/a
Chloride	<1	<1	2.3	<1	<1	<1	n/a
Sulfate	50	100	190	140	110	110	n/a
Nitrate	0.2	0.07	0.03	0.036	<0.01	1.1	n/a
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	n/a
Arsenic	<0.001	<0.001	0.003	0.003	0.002	0.002	n/a
Calcium	32	55	73	75	68	54	n/a
Cadmium	0.0009	<0.002	<0.002	<0.002	<0.002	0.0005	n/a
Iron	0.71	0.15	0.14	0.13	0.08	0.29	n/a
Mercury	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	n/a
Magnesium	11	19	29	29	24	20	n/a
Manganese	0.039	0.08	0.17	0.17	0.093	0.16	n/a
Sodium	9.9	14	24	17	16	12	n/a
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a
Lead	<0.001	0.004	0.001	0.001	0.006	0.012	n/a
Silicon	19	20	18	19	19	16	n/a
Silver	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	n/a
Zinc	0.028	0.024	0.015	0.045	0.035	0.1	n/a

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 3 SW
Sample Location: Unnamed Creek

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	3	12	11	10	4.5	0	n/a
pH	7.19	6.94	6.72	6.9	7.31	7.02	n/a
Spec. Cond.(1)	191	335	305	295	253	247	n/a
Turbidity(2)	7.9	2	1.1	1.2	0.44	1.9	n/a
Tot. Susp. Solids	1	5	83	2	5	16	n/a
Tot. Dislv. Solids	120	150	160	170	140	12	n/a
Dissolved Oxy.	24	18	21	NA	11	20	n/a
Chloride	<1	<1	<1	<1	<1	<1	n/a
Sulfate	15	13	12	12	14	16	n/a
Nitrate	0.29	0.03	0.06	<0.01	<0.01	0.11	n/a
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	n/a
Arsenic	0.002	0.005	0.001	0.003	0.001	0.003	n/a
Calcium	22	31	35	42	32	34	n/a
Cadmium	0.0000	<0.002	<0.002	<0.002	<0.002	0.0004	n/a
Iron	0.99	0.35	0.46	0.15	0.65	0.54	n/a
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	n/a
Magnesium	5	6.5	7.3	8.2	6.7	7.3	n/a
Manganese	0.02	0.045	0.18	0.036	0.026	0.087	n/a
Sodium	8.9	13	16	16	13	12	n/a
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a
Lead	<0.001	0.005	0.003	0.001	0.003	0.012	n/a
Silicon	19	21	19	21	18	18	n/a
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a
Zinc	0.012	0.02	0.011	0.007	0.009	0.13	n/a

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 4 SW
Sample Location: West Fork Onion Creek

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	4.5	13	14	9.5	6	1.5	0
pH	7.48	7.29	6.26	7.22	7.63	7.49	7.17
Spec. Cond.(1)	229	310	469	443	407	324	351
Turbidity(2)	2.9	0.33	0.4	0.71	0.13	0.55	0.35
Tot. Susp. Solids	12	3	<1	2	<1	4	2
Tot. Dislv. Solids	86	170	150	250	220	52	220
Dissolved Oxy.	NA	16	27	11	10	12	4.9
Chloride	<1	<1	<1	<1	<1	<1	<1
Sulfate	16	36	92	58	44	48	37
Nitrate	0.24	0.25	0.52	1.1	1.4	1.3	0.86
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001
Calcium	27	49	67	72	65	58	49
Cadmium	0.0006	<0.002	<0.002	<0.002	<0.002	0.0003	0.0004
Iron	0.16	0.06	0.1	0.06	0.29	0.03	0.09
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Magneseium	5.6	11	18	19	16	15	12
Manganese	0.022	0.012	0.015	0.011	0.007	0.004	0.065
Sodium	2.7	4	10	5.4	5.3	4.2	4.2
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.014	0.007	0.004	0.003	0.002	0.002	0.002
Silicon	6	8.3	9.6	10	9.3	9.1	8.3
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.059	0.087	0.056	0.059	0.078	0.072	0.018

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 5 SW
Sample Location: East Fork Onion Creek

Report Date: March - 19 -93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	4.5	12	12	9.5	5.25	1	0
pH	7.41	7.37	6.38	7.04	7.8	7.21	7.54
Spec. Cond.(1)	145	350	324	235	249	258	210
Turbidity(2)	0.99	1.9	2.2	0.75	0.11	0.22	1.8
Tot. Susp. Solids	2	6	2	<1	1	1	<1
Tot. Dislv. Solids	70	200	150	130	110	3	130
Dissolved Oxy.	29	9.7	25	21	13	9.9	n/a
Chloride	<1	1.1	<1	<1	<1	<1	<1
Sulfate	5.6	63	4.7	5.2	5.4	5.4	6.6
Nitrate	0.065	0.57	0.03	0.013	<0.01	0.18	<0.01
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<.02	<0.02
Arsenic	<0.001	<0.001	0.003	<0.001	<0.001	0.001	<0.001
Calcium	19	51	40	48	40	37	30
Cadmium	<0.0002	<0.002	<0.002	<0.002	<0.002	0.0002	0.0001
Iron	0.07	0.06	0.01	0.02	0.03	0.02	0.02
Mercury	<0.002	<0.0002	0.0012	<0.0002	<0.0002	<.0002	<0.0002
Magnesium	2.8	15	5.2	5.9	5.1	4.8	4
Manganese	0.003	0.008	0.029	0.003	<0.002	<0.002	0.01
Sodium	1.2	4.1	7.2	2.3	2.4	3.2	1.8
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.001	0.006	0.002	<0.001	<0.001	0.002	<0.001
Silicon	4.7	8.7	7.7	8.5	7.4	7	5.7
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.017	0.12	0.007	0.007	0.03	0.01	0.003

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 6 SW
Sample Location: West Fork Onion Creek

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	4.5	13	12	9.5	5	1	0
pH	7.4	7.33	6.29	7.03	7.7	7.24	7.48
Spec. Cond.(1)	252	228	559	511	426	384	395
Turbidity(2)	3.4	0.14	0.8	0.48	0.15	0.49	0.35
Tot. Susp. Solids	11	1	<1	2	<1	3	12
Tot. Dislv. Solids	140	110	280	300	280	81	250
Dissolved Oxy.	28	12	26	14	14	13	8.4
Chloride	<1	<1	<1	<1	1	<1	<1
Sulfate	35	6.3	160	110	77	91	70
Nitrate	0.55	0.29	1.1	2.1	2.4	2.5	1.8
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.001	<0.02	0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	0.001	0.001	<0.001	0.001	<0.001
Calcium	38	41	73	82	76	69	56
Cadmium	0.0005	0.004	0.003	<0.002	<0.002	0.0009	0.0004
Iron	0.22	<0.01	0.01	0.03	0.04	0.04	0.2
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Magnesium	9.9	5	27	30	25	23	17
Manganese	0.025	<0.002	0.003	0.02	0.004	0.008	0.02
Sodium	2.9	2.4	9.2	6.5	7.2	5.6	5.1
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.005	0.002	<0.001	0.004	0.003	0.004	0.012
Silicon	7.5	7.6	9.6	11	11	10	8.6
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.092	0.015	0.081	0.095	0.11	0.15	0.13

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 7 SW
Sample Location: Middle Fork Onion Creek

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	1	9	9.5	8	4	1	0
pH	6.77	7.07	6.77	6.68	6.89	7.05	7.33
Spec. Cond.(1)	240	148	165	142	163	204	172
Turbidity(2)	2.3	0.55	0.5	1.1	0.14	0.43	1.7
Tot. Susp. Solids	2	2	1	5	4	3	1
Tot. Dislv. Solids	110	72	100	82	76	<1	98
Dissolved Oxy.	22	34	31	NA	18	14	13
Chloride	<1	<1	<1	<1	<1	<1	<1
Sulfate	4.5	4.3	10	<1	3.1	<1	<1
Nitrate	0.04	<0.01	<0.01	<0.01	5.6	0.08	0.01
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Calcium	33	22	21	25	26	25	25
Cadmium	0.0002	<0.002	<0.002	<0.02	<0.002	0.0002	0.0002
Iron	0.15	0.04	0.04	0.2	0.39	0.04	0.02
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0009	<0.0002
Magnesium	6.5	4	3.8	4.6	4.7	4.7	4.6
Manganese	0.004	0.003	<0.002	0.02	0.003	0.002	<0.002
Sodium	1.8	1.8	5.3	1.7	2.4	1.9	2.1
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	0.003	0.003	<0.001	0.006	0.002	0.002	0.004
Silicon	0.6	6.1	5.8	6.8	6.6	6.1	6.2
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	0.026	0.043	0.008	0.069	0.021	0.03	0.017

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 8 SW
Sample Location: Creek Near Mine House

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	3	11	10	8.5	4	0	n/a
pH	6.5	6.95	6.9	6.84	7.27	6.8	n/a
Spec. Cond.(1)	251	286	433	380	404	356	n/a
Turbidity(2)	3.6	0.32	1.1	0.98	0.1	0.89	n/a
Tot. Susp. Solids	1	2	2	27	7	10	n/a
Tot. Dislv. Solids	130	120	190	210	200	31	n/a
Dissolved Oxy.	17	18	21	9.5	6.8	7.6	n/a
Chloride	<1	<1	<1	<1	1.2	<1	n/a
Sulfate	17	6.4	1.8	2.8	18	18	n/a
Nitrate	15	2.8	3.8	2.8	2.2	3.2	n/a
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	n/a
Arsenic	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	n/a
Calcium	27	28	58	67	66	59	n/a
Cadmium	0.0000	<0.002	<0.002	<0.002	<0.002	0.0004	n/a
Iron	0.48	0.02	0.36	0.08	0.14	0.02	n/a
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	n/a
Magnesium	6.6	6.1	13	15	15	14	n/a
Manganese	0.011	<0.002	0.049	0.14	0.005	0.005	n/a
Sodium	3.6	3.9	9.5	6.7	7.2	5.6	n/a
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a
Lead	<0.001	0.002	0.12	0.001	0.007	<0.001	n/a
Silicon	11	7.7	11	11	10	10	n/a
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a
Zinc	0.031	0.013	0.046	0.029	0.025	0.031	n/a

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 1 GW
Sample Location: Northwest Corner of Containment Dike

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec			
Temp. (C)	4	11	6	9	8	6	n/a			
pH	7.52	6.67	6.19	6.55	6.87	6.62	n/a			
Spec. Cond.(1)	1499	1507	1561	1544	1512	1521	n/a			
Turbidity(2)	400	0.65	180	410	210	2.3	n/a			
ot. Susp. Solids	1200	540	340	1100	450	94	n/a			
ot. Dislv. Solids	1100	1100	1000	1200	1200	560	n/a			
ot. Organ. Carb.	5.5	12	3.7	<1	3.2	4.4	n/a			
Chloride	3.1	7.8	5.6	3.6	5.5	4.5	n/a			
Sulfate	820	760	840	590	720	750	n/a			
Nitrate	0.11	0.08	0.029	0.08	0.045	0.1	n/a			
WATER CHEMISTRY -EPA METHOD 200.7										
Antimony	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	na/			
Arsenic	0.002	0.001	0.001	0.003	0.003	0.003	n/a			
Calcium	220	210	230	250	210	190	n/a			
Cadmium	0.005	<0.002	<0.002	<0.002	<0.002	0.0038	n/a			
Iron	20	5.7	4.2	3.3	8.2	8.1	n/a			
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	n/a			
Magnesium	130	120	120	150	120	110	n/a			
Manganese	0.66	0.34	0.29	0.3	0.28	0.25	n/a			
Sodium	21	21	28	27	23	21	n/a			
Nickel	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a			
Lead	0.16	0.096	0.008	0.13	0.13	0.16	n/a			
Silicon	35	22	27	21	24	24	n/a			
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	n/a			
Zinc	0.78	0.42	0.39	0.48	0.38	0.49	n/a			

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1992

Sample Name: 2 GW
Sample Location: 2nd Well at Tailings

Report Date: March - 19 - 93

FIELD & WATER QUALITY DATA	1992 Mar	June	Aug	Sept	Oct	Nov	Dec
Temp. (C)	NA	11	NA	NA	NA	NA	NA
pH	NA	7.05	NA	NA	NA	NA	NA
Spec. Cond.(1)	NA	741	NA	NA	NA	NA	NA
Turbidity(2)	NA	35	NA	NA	NA	NA	NA
Tot. Susp. Solids	NA	410	NA	NA	NA	NA	NA
Tot. Dislv. Solids	NA	450	NA	NA	NA	NA	NA
Tot. Organ. Carb.	NA	11	NA	NA	NA	NA	NA
Chloride	NA	6.4	NA	NA	NA	NA	NA
Sulfate	NA	210	NA	NA	NA	NA	NA
Nitrate	NA	0.26	NA	NA	NA	NA	NA
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	NA	<0.02	NA	NA	NA	NA	NA
Arsenic	NA	0.001	NA	NA	NA	NA	NA
Calcium	NA	120	NA	NA	NA	NA	NA
Cadmium	NA	0.003	NA	NA	NA	NA	NA
Iron	NA	1.9	NA	NA	NA	NA	NA
Mercury	NA	<0.0002	NA	NA	NA	NA	NA
Magnesium	NA	29	NA	NA	NA	NA	NA
Manganese	NA	0.097	NA	NA	NA	NA	NA
Sodium	NA	19	NA	NA	NA	NA	NA
Nickel	NA	<0.01	NA	NA	NA	NA	NA
Lead	NA	0.011	NA	NA	NA	NA	NA
Silicon	NA	15	NA	NA	NA	NA	NA
Silver	NA	<0.01	NA	NA	NA	NA	NA
Zinc	NA	0.51	NA	NA	NA	NA	NA

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991 - 1992

Sample Name: Mine Water
Sample Location: Mine Water Discharge

Report Date: Nov -23-92

FIELD & WATER QUALITY DATA	1991		1992								
	6/13	9/24	3/19	6\12	10/29						
Turbidity(2)	NA	NA	NA	170	NA						
Tot. Susp. Solids	17	5	2	18	7						
Tot. Dislv. Solids	NA	N A	NA	450	NA						
Cyanide	0.11	NA	NA	NA	NA						
WATER CHEMISTRY -EPA METHOD 200.7											
Mercury	<0.0002	0.0004	<0.0002	<0.0002	<0.0002						
Copper	<0.002	<0.002	<0.002	NA	0.009						
Pb	0.059	0.094	0.014	0.05	0.12						
Zn	0.14	0.018	0.18	0.15	0.21						

WEEKLY FIELD MEASUREMENTS

Date	pH	Spec. Cond.
7 June	7 .15	7 70
12 June	6 .71	7 30
21 June	6 .82	7 40
3 July	6 .53	7 90
8 July	6 .46	8 00
19 July	6 .81	7 80
23 July	6 .90	7 50
2 Aug	6 .57	8 30
9 Aug	6 .37	7 80
12 Aug	6 .48	7 70
23 Aug	7 .02	7 50
13 Sept	7 .21	7 60
19 Sept	7 .02	7 20
24 Sept	6 .76	6 96
3 Oct	6 .82	7 20
9 Oct	6 .75	7 30
19 Mar	6 .32	6 87
12 June	7 .19	7 22
26 June	6 .89	7 11
3 July	7 .10	6 95
16 July	7 .08	6 83
27 July	6 .92	6 97
5 Aug	7 .05	7 19
14 Aug	7 .59	7 58
21 Aug	6 .04	7 85
28 Aug	6 .72	8 44
4 Sept	6 .58	7 70
11 Sept	6 .68	8 10
18 Sept	6 .67	7 74
25 Sept	6 .78	9 66
2 Oct	6 .99	6 78
9 Oct	6 .84	7 09
16 Oct	7 .02	10 42
23 Oct	6 .97	8 09

EQUINOX RESOURCES INC.
Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: Tailings Liquid
Sample Location: Tailings Thickner Overflow

Report Date: Nov-23- 1992

FIELD & WATER QUALITY DATA	1991		1992									
	6/13	9/24	10/29									
Temp. (C)	12	18.5	11.25									
pH	8.2	6.62	9.67									
Spec. Cond.(1)	460	1027	1226									
Cyanide	<0.005	NA	NA									
Chloride	25	42	86									
Sulfate	140	500	450									
Nitrate	0.84	1.6	1.4									
WATER CHEMISTRY -EPA METHOD 200.7												
Antimony	0.06	0.08	0.08									
Arsenic	0.003	NA	<0.001									
Calcium	42	91	210									
Cadmium	0.033	0.0021	<0.002									
Iron	0.37	0.65	0.11									
Mercury	<0.0002	0.0004	<0.0002									
Magnesium	9.4	65	7.3									
Manganese	0.012	0.012	0.006									
Sodium	17	40	47									
Nickel	<0.01	<0.01	<0.01									
Lead	3.2	NA	0.087									
Silicon	2.6	0.2	3									
Silver	<0.01	<0.01	<0.01									
Zinc	8.6	0.63	0.18									

1993

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

S ple Name: 1 SW
Sample Location: West Fork Onion Creek

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	July									
Temp. (C)	6	13									
pH	7.45	7.2									
Spec. Cond.(1)	225	280									
Turbidity(2)	4.2	2.2									
Tot. Susp. Solids	39	13									
Tot. Dislv. Solids	130	180									
Dissolved Oxy.	13	21									
Chloride	<1	<1									
Sulfate	26	36									
Nitrate	0.3	0.21									
WATER CHEMISTRY -EPA METHOD 200.7											
Antimony	<0.02	<0.02									
Arsenic	0.001	0.001									
Calcium	30	38									
Cadmium	0.0000	0.00012									
Iron	0.72	0.36									
Mercury	<0.0002	<0.0002									
Magnesium	6.2	9									
Manganese	0.024	0.029									
Sodium	2.9	3.7									
Nickel	<0.01	0.01									
Lead	0.014	0.004									
Silicon	9.4	11									
Silver	<0.01	<0.01									
Zinc	0.061	0.069									

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 2 SW
Sample Location: Unnamed Creek

Report Date: Aug.-19-93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	5	14					
pH	7.28	7.16					
Spec. Cond.(1)	290	187					
Turbidity(2)	18	11					
Tot. Susp. Solids	26	11					
Tot. Dislv. Solids	120	150					
Dissolved Oxy.	16	16					
Chloride	1.4	<1					
Sulfate	34	19					
Nitrate	0.052	0.084					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	0.002	0.001					
Calcium	18	19					
Cadmium	0.0000	0.00002					
Iron	2.6	1.4					
Mercury	<0.0002	<0.0002					
Magnesium	4.8	4.8					
Manganese	0.074	0.065					
Sodium	7.3	7					
Nickel	<0.01	<0.01					
Lead	0.003	0.005					
Silicon	22	23					
Silver	<0.01	<0.01					
Zinc	0.013	0.05					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 3 SW
Sample Location: Unnamed Creek

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	1993 July					
Temp. (C)	4	13					
pH	7.69	7.26					
Spec. Cond.(1)	148	198					
Turbidity(2)	18	11					
Tot. Susp. Solids	15	17					
Tot. Dislv. Solids	110	160					
Dissolved Oxy.	15	13					
Chloride	1.5	<1					
Sulfate	19	12					
Nitrate	0.099	<0.01					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	0.002	0.002					
Calcium	18	18					
Cadmium	0.0000	0.00002					
Iron	3.2	1.4					
Mercury	<0.0002	<0.0002					
Magnesium	3.9	4.2					
Manganese	0.077	0.068					
Sodium	7.8	7					
Nickel	<0.01	<0.01					
Lead	0.007	0.005					
Silicon	25	24					
Silver	<0.01	<0.01					
Zinc	0.01	0.026					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 4 SW
Sample Location: West Fork Onion Creek

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	6	13					
pH	7.39	7.13					
Spec. Cond.(1)	220	370					
Turbidity(2)	3.1	0.77					
Tot. Susp. Solids	30	10					
Tot. Dislv. Solids	100	190					
Dissolved Oxy.	10	10					
Chloride	<1	<1					
Sulfate	27	36					
Nitrate	0.34	0.2					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	<0.001	0.001					
Calcium	31	41					
Cadmium	0.0000	0.00002					
Iron	0.57	0.11					
Mercury	<0.0002	<0.0002					
Magneseium	6.5	9.3					
Manganese	0.019	<0.002					
Sodium	2.1	2.6					
Nickel	<0.01	<0.01					
Lead	0.012	<0.001					
Silicon	8.1	9.4					
Silver	<0.01	<0.01					
Zinc	0.063	0.077					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 5_SW
Sample Location: East Fork Onion Creek

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	6	13					
pH	7.38	7.07					
Spec. Cond.(1)	158	188					
Turbidity(2)	0.6	0.15					
Tot. Susp. Solids	4	3					
Tot. Dislv. Solids	66	120					
Dissolved Oxy.	13	15					
Chloride	<1	<1					
Sulfate	5.8	5					
Nitrate	<0.01	<0.01					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	<0.001	<0.001					
Calcium	22	31					
Cadmium	0.0000	0.00002					
Iron	0.1	0.07					
Mercury	<0.0002	<0.0002					
Magneseium	3	4.2					
Manganese	0.004	0.004					
Sodium	1.4	1.6					
Nickel	<0.01	<0.01					
Lead	0.003	0.003					
Silicon	5.9	7.7					
Silver	<0.01	<0.01					
Zinc	0.015	0.022					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 6 SW
Sample Location: West Fork Onion Creek

Report Date: Aug - 19 -93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	6	12					
pH	7.41	6.97					
Spec. Cond.(1)	254	339					
Turbidity(2)	5	1.2					
Tot. Susp. Solids	60	8					
Tot. Dislv. Solids	140	230					
Dissolved Oxy.	17	13					
Chloride	<1	<1					
Sulfate	47	66					
Nitrate	0.67	0.38					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	<0.001	<0.001					
Calcium	43	44					
Cadmium	0.0004	0.0003					
Iron	1.2	0.2					
Mercury	<0.0002	<0.0002					
Magnesium	11	13					
Manganese	0.037	0.011					
Sodium	3.4	3					
Nickel	<0.01	<0.01					
Lead	0.037	0.003					
Silicon	12	10					
Silver	<0.01	<0.01					
Zinc	0.14	0.094					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 7 SW
Sample Location: Middle Fork Onion Creek

Report Date: Aug - 19 -93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	5	11					
pH	7.53	7.23					
Spec. Cond.(1)	222	254					
Turbidity(2)	1.4	0.34					
Tot. Susp. Solids	3	18					
Tot. Dislv. Solids	100	130					
Dissolved Oxy.	13	15					
Chloride	<1	<1					
Sulfate	2.8	2.6					
Nitrate	<0.01	<0.01					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	<0.001	0.001					
Calcium	31	59					
Cadmium	0.0000	0.0002					
Iron	0.18	0.19					
Mercury	<0.0002	<0.0002					
Magnesium	5.7	15					
Manganese	0.003	0.011					
Sodium	1.7	3.4					
Nickel	<0.01	<0.01					
Lead	0.002	0.005					
Silicon	7.3	11					
Silver	<0.01	<0.01					
Zinc	0.012	0.11					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 8 SW
Sample Location: Creek Near Mine House

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	5	11					
pH	7.72	7.32					
Spec. Cond.(1)	183	152					
Turbidity(2)	1	3					
Tot. Susp. Solids	5	3					
Tot. Dislv. Solids	86	110					
Dissolved Oxy.	14	14					
Chloride	<1	<1					
Sulfate	14	2.6					
Nitrate	4.4	0.78					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	<0.02	<0.02					
Arsenic	<0.001	<0.001					
Calcium	17	15					
Cadmium	0.0000	0.00002					
Iron	1.1	0.29					
Mercury	<0.0002	<0.0002					
Magnesium	3.9	3.3					
Manganese	0.024	0.009					
Sodium	3.1	2.6					
Nickel	<0.01	<0.01					
Lead	0.004	0.001					
Silicon	12	12					
Silver	<0.01	<0.01					
Zinc	0.032	0.009					

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 1 GW
Sample Location: Northwest Corner of Containment Dike

Report Date: Aug - 19 -93

FIELD & WATER QUALITY DATA	1993 April	July								
Temp. (C)	8	8								
pH	6.98	6.16								
Spec. Cond.(1)	1590	1590								
Turbidity(2)	3.7	0.78								
ot. Susp. Solids	260	<1								
ot. Dislv. Solids	970	1200								
ot. Organ. Carb.	9.6	<1								
Chloride	6.2	6.2								
Sulfate	790	910								
Nitrate	0.099	0.18								
WATER CHEMISTRY -EPA METHOD 200.7										
Antimony	<0.02	<0.02								
Arsenic	0.002	0.008								
Calcium	170	210								
Cadmium	0.0008	0.0029								
Iron	7.6	9.8								
Mercury	<0.0002	<0.0002								
Magnesium	97	110								
Manganese	0.23	0.25								
Sodium	19	22								
Nickel	<0.01	<0.01								
Lead	0.071	0.14								
Silicon	24	36								
Silver	<0.01	<0.01								
Zinc	0.17	0.38								

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1993

Sample Name: 2 GW
Sample Location: 2nd Well at Tailings

Report Date: Aug-19-93

FIELD & WATER QUALITY DATA	1993 April	July					
Temp. (C)	n/a	n/a					
pH	n/a	n/a					
Spec. Cond.(1)	n/a	n/a					
Turbidity(2)	n/a	n/a					
Tot. Susp. Solids	n/a	n/a					
Tot. Dislv. Solids	n/a	n/a					
Tot. Organ. Carb.	n/a	n/a					
Chloride	n/a	n/a					
Sulfate	n/a	n/a					
Nitrate	n/a	n/a					
WATER CHEMISTRY -EPA METHOD 200.7							
Antimony	n/a	n/a					
Arsenic	n/a	n/a					
Calcium	n/a	n/a					
Cadmium	n/a	n/a					
Iron	n/a	n/a					
Mercury	n/a	n/a					
Magnesium	n/a	n/a					
Manganese	n/a	n/a					
Sodium	n/a	n/a					
Nickel	n/a	n/a					
Lead	n/a	n/a					
Silicon	n/a	n/a					
Silver	n/a	n/a					
Zinc	n/a	n/a					

		Van Stone Mine			
		Summary of Water Quality Data			
Name	1 SW				
Location	West Fork Onion Creek				
Field & Water	1994				
Quality Data		July	October		
Temp.(c)		15.4	10.7		
pH		8.46	8.35		
Spec. Cond.(1)		286	378		
Turbidity(2)		0.45	0.25		
Tot. Susp. Solids		4	4		
Tot. Dislv. Solids		150	280		
Dissolved Oxy.		9	4.5		
Chloride		<1	<1		
Sulfate		35	56		
Nitrate		0.1	0.14		
Water Chemistry-EPA Method 200.7					
Antimony		<.02	<.02		
Arsenic		<.001	0.001		
Calcium		42	47		
Cadmium		0.00005	0.0002		
Iron		0.05	0.02		
Mercury		<.01	<.01		
Magnesium		8.8	12		
Manganese		0.007	0.003		
Sodium		3.5	4.2		
Nickel		<.01	<.01		
Lead		0.001	0.006		
Silicon		8.3	8.3		
Silver		<.01	<.01		
Zinc		0.024	0.007		

	Van Stone Mine			
		Summary of Water Quality Data		
Name	2 SW			
Location	Unnamed Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		12	9.1	
pH		8.3	8.14	
Spec. Cond.(1)		287	512	
Turbidity(2)		2.4	0.48	
Tot. Susp. Solids		8	2	
Tot. Dislv. Solids		230	350	
Dissolved Oxy.		7.2	5	
Chloride		<1	<1	
Sulfate		42	110	
Nitrate		0.05	<.05	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	0.002	
Calcium		33	50	
Cadmium		0.00018	0.00015	
Iron		0.39	0.09	
Mercury		<.01	<.01	
Magnesium		11	21	
Manganese		0.051	0.1	
Sodium		10	11	
Nickel		<.01	<.01	
Lead		0.003	0.005	
Silicon		19	15	
Silver		<.01	<.01	
Zinc		0.007	<.002	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	3 SW			
Location	Unnamed Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		11	8.9	
pH		8.34	8.31	
Spec. Cond.(1)		189.3	230	
Turbidity(2)		2.6	1	
Tot. Susp. Solids		3	2	
Tot. Dislv. Solids		180	180	
Dissolved Oxy.		6.7	7.2	
Chloride		<1	<1	
Sulfate		14	1	
Nitrate		0.05	<.05	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		0.002	0.002	
Calcium		25	28	
Cadmium		0.00011	0.00016	
Iron		0.41	0.15	
Mercury		<.01	<.01	
Magnesium		5	5.8	
Manganese		0.032	0.053	
Sodium		9.9	10	
Nickel		<.01	<.01	
Lead		0.002	0.006	
Silicon		19	16	
Silver		0.058	<.01	
Zinc		0.008	<.002	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	4 SW			
Location	West Fork Onion Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		17.2	17.2	
pH		8.47	8.3	
Spec. Cond.(1)		277	313	
Turbidity(2)		0.45	0.48	
Tot. Susp. Solids		12	2	
Tot. Dislv. Solids		200	240	
Dissolved Oxy.		10	6.4	
Chloride		<1	<1	
Sulfate		41	51	
Nitrate		0.08	0.09	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	0.001	
Calcium		44	44	
Cadmium		0.00019	0.00018	
Iron		0.42	0.03	
Mercury		<.01	<.01	
Magnesium		8.8	10	
Manganese		0.006	0.044	
Sodium		2.9	3.2	
Nickel		<.01	<.01	
Lead		0.001	0.005	
Silicon		8.2	7.7	
Silver		<.01	<.01	
Zinc		0.032	0.02	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	5 SW			
Location	East Fork Onion Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		13	10.3	
pH		8.46	8.45	
Spec. Cond.(1)		206	202	
Turbidity(2)		0.25	0.15	
Tot. Susp. Solids		5	2	
Tot. Dislv. Solids		130	140	
Dissolved Oxy.		7.8	8	
Chloride		<1	<1	
Sulfate		4.2	76	
Nitrate		<.05	<.05	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	<.001	
Calcium		31	34	
Cadmium		0.00004	0.00093	
Iron		0.02	0.04	
Mercury		<.01	<.01	
Magnesium		3.9	4.3	
Manganese		<.002	0.044	
Sodium		1.8	1.8	
Nickel		<.01	<.01	
Lead		0.001	0.025	
Silicon		6.4	6.7	
Silver		<.01	<.01	
Zinc		0.003	0.012	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	6 SW			
Location	West Fork Onion Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		13.6	8.2	
pH		8.48	8.37	
Spec. Cond.(1)		334	390	
Turbidity(2)		0.39	0.16	
Tot. Susp. Solids		<1	1	
Tot. Dislv. Solids		230	270	
Dissolved Oxy.		8.9	6.6	
Chloride		<1	<1	
Sulfate		79	6.6	
Nitrate		0.19	0.16	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	0.001	
Calcium		44	59	
Cadmium		0.00039	0.00033	
Iron		0.04	0.02	
Mercury		<.01	<.01	
Magnesium		12	16	
Manganese		0.005	0.004	
Sodium		3.2	4.1	
Nickel		<.01	0.03	
Lead		<0.001	0.005	
Silicon		8.3	9.4	
Silver		<.01	<.01	
Zinc		0.055	0.066	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	7 SW			
Location	Middle Fork Onion Creek			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		10.4	5.2	
pH		8.44	8.2	
Spec. Cond.(1)		141.5	126.8	
Turbidity(2)		0.27	0.21	
Tot. Susp. Solids		<1	1	
Tot. Dislv. Solids		100	86	
Dissolved Oxy.		9.4	11	
Chloride		<1	<1	
Sulfate		11	82	
Nitrate		<.05	<.05	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	0.001	
Calcium		23	18	
Cadmium		0.0001	0.00022	
Iron		0.13	0.04	
Mercury		<.01	<.01	
Magnesium		4	3	
Manganese		0.003	0.004	
Sodium		1.5	1.3	
Nickel		<.01	<.01	
Lead		<0.001	0.006	
Silicon		6	5.1	
Silver		<.01	<.01	
Zinc		0.004	<.002	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	8 SW			
Location	Creek Near Mine House			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		10.6	6.9	
pH		8.4	8.42	
Spec. Cond.(1)		194.6	318	
Turbidity(2)		0.51	0.26	
Tot. Susp. Solids		12	5	
Tot. Dislv. Solids		130	190	
Dissolved Oxy.		8.2	5.1	
Chloride		<1	<1	
Sulfate		4.2	11	
Nitrate		0.39	0.26	
Water Chemistry-EPA Method 200.7				
Antimony		<.02	<.02	
Arsenic		<.001	<.001	
Calcium		30	38	
Cadmium		0.00015	0.00018	
Iron		0.06	0.07	
Mercury		<.01	<.01	
Magnesium		6.3	8.7	
Manganese		0.003	0.01	
Sodium		3.3	3.9	
Nickel		<.01	<.01	
Lead		0.001	0.007	
Silicon		8.6	7.9	
Silver		<.01	<.01	
Zinc		0.006	0.004	

	Van Stone Mine			
		Summary of Water Quality Data		
Name	1 GW			
Location	Northwest Corner Of Containment Dike			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)				
pH				
Spec. Cond.(1)				
Turbidity(2)		n/a	n/a	
Tot. Susp. Solids		n/a	n/a	
Tot. Dislv. Solids		n/a	n/a	
Dissolved Oxy.		n/a	n/a	
Chloride		n/a	n/a	
Sulfate		n/a	n/a	
Nitrate		n/a	n/a	
Water Chemistry-EPA Method 200.7				
Antimony		n/a	n/a	
Arsenic		n/a	n/a	
Calcium		n/a	n/a	
Cadmium		n/a	n/a	
Iron		n/a	n/a	
Mercury		n/a	n/a	
Magnesium		n/a	n/a	
Manganese		n/a	n/a	
Sodium		n/a	n/a	
Nickel		n/a	n/a	
Lead		n/a	n/a	
Silicon		n/a	n/a	
Silver		n/a	n/a	
Zinc		n/a	n/a	
Sample to be retaken in September, assuming sufficent volume				
No Water Volume for analysis in October Sample.				

	Van Stone Mine			
		Summary of Water Quality Data		
Name	2 GW			
Location	2nd Well at Tailings			
Field & Water	1994			
Quality Data		July	October*	
Temp.(c)			13.2	
pH			7.24	
Spec. Cond.(1)			1086	
Turbidity(2)		n/a	920	
Tot. Susp. Solids		n/a	600	
Tot. Dislv. Solids		n/a	890	
Tot. Organic Carbon		n/a	<1	
Chloride		n/a	2.1	
Sulfate		n/a	340	
Nitrate+Nitrite		n/a	2.3	
Water Chemistry-EPA Method 200.7				
Antimony		n/a	0.08	
Arsenic		n/a	0.029	
Calcium		n/a	210	
Cadmium		n/a	0.00961	
Iron		n/a	110	
Mercury		n/a	<.0002	
Magnesium		n/a	78	
Manganese		n/a	3.1	
Sodium		n/a	23	
Nickel		n/a	0.08	
Lead		n/a	2.9	
Silicon		n/a	130	
Silver		n/a	<.01	
Zinc		n/a	0.91	
Sample to be retaken in September, assuming sufficent volume				
* Water level extremely low, difficulty obtaining sufficent sample.				

	Van Stone Mine			
		Summary of Water Quality Data		
Name	1 Special			
Location	Water in Tailings Dam			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		23.6	16.8	
pH		8.48	8.52	
Spec. Cond.(1)		1031	1133	
Chloride		39	46	
Cyanide W.A.D		<.005	<.005	
Nitrate		<.05	<.05	
Sulfate		470	520	
Water Chemistry-EPA Method 200.7				
Antimony		0.1	0.09	
Arsenic		0.003	0.004	
Calcium		130	110	
Cadmium		0.00155	0.00247	
Iron		0.03	0.03	
Mercury		<.01	<.01	
Magnesium		42	41	
Manganese		0.015	0.031	
Sodium		37	32	
Nickel		<.01	<.01	
Lead		0.11	0.17	
Silicon		2.7	2.8	
Silver		<.01	<.01	
Zinc		0.24	0.19	
Slight Haze in water				

	Van Stone Mine			
		Summary of Water Quality Data		
Name	2 Special			
Location	Water in Pit			
Field & Water	1994			
Quality Data		July	October	
Temp.(c)		17.8	12.9	
pH		8.55	8.58	
Spec. Cond.(1)		612	617	
Chloride		n/a	n/a	
Cyanide W.A.D		<.005	<0.005	
Nitrate		n/a	n/a	
Sulfate		n/a	n/a	
Total Susp. Solids		2	40	
Water Chemistry-EPA Method 200.7				
Antimony		n/a	n/a	
Arsenic		n/a	n/a	
Calcium		n/a	n/a	
Cadmium		n/a	n/a	
Iron		n/a	n/a	
Mercury		<.0002	<.0002	
Magnesium		n/a	n/a	
Manganese		n/a	n/a	
Sodium		n/a	n/a	
Nickel		n/a	n/a	
Lead		0.01	0.014	
Silicon		n/a	n/a	
Silver		n/a	n/a	
Zinc		0.15	0.076	
Copper		<.002	<.002	