EQUINOX RESOURCES No Date

VANSTONE MINE 41:3

USEPA SF
1249769

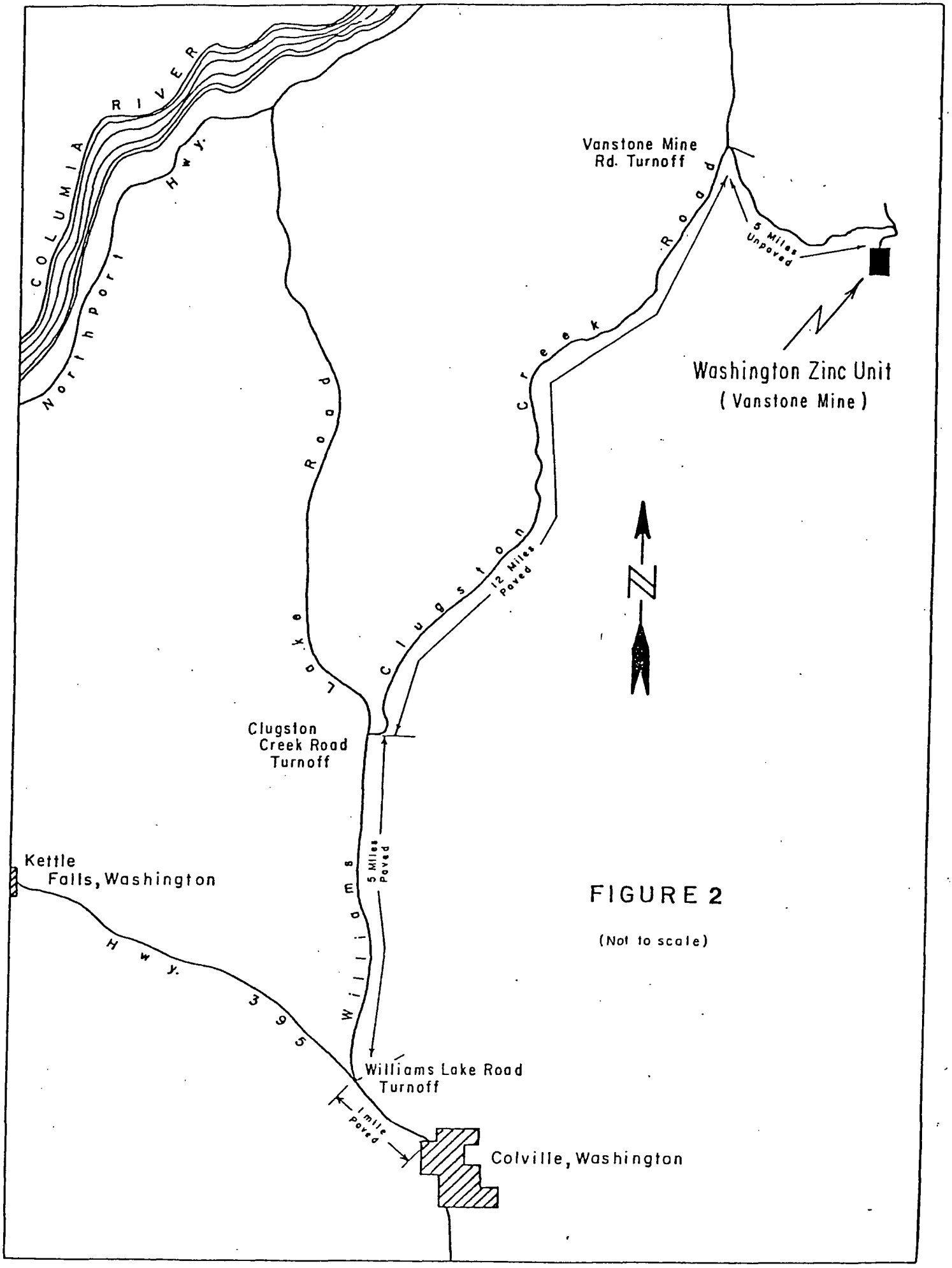
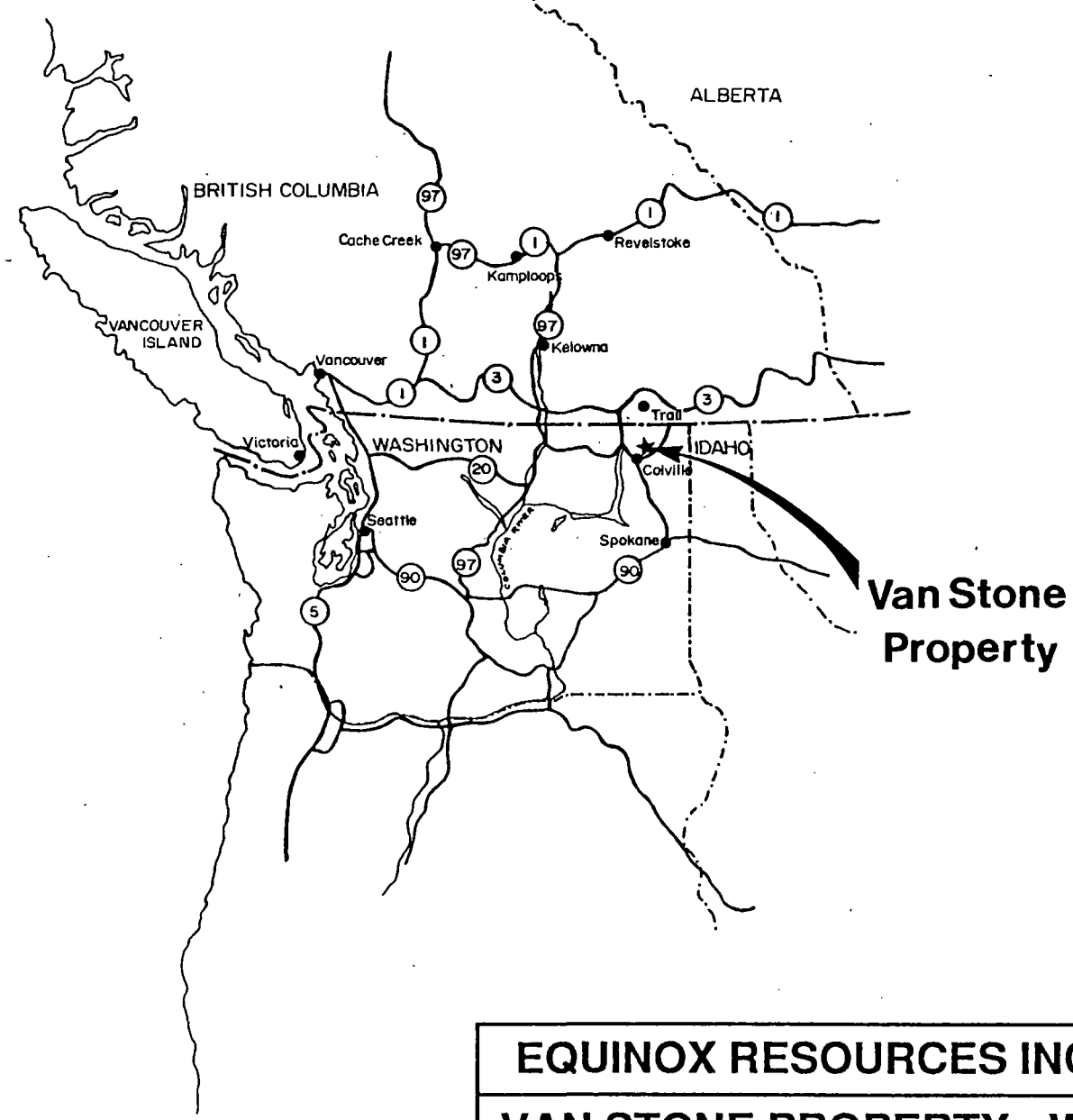


FIGURE 2

(Not to scale)



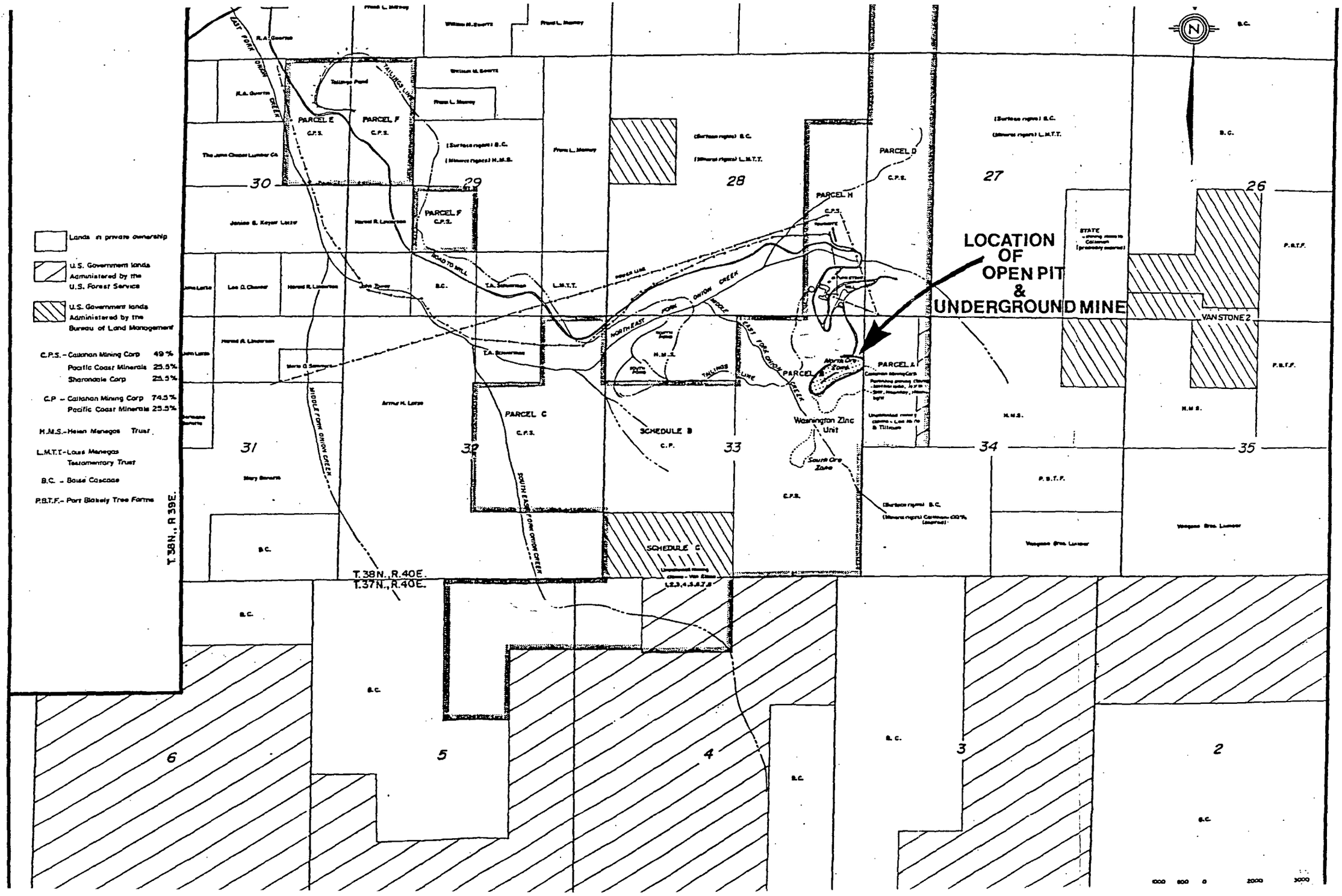
Scale in Kilometers

50 0 50 100 150 200 250 300

50 0 50 100 150 200

Scale in Miles

EQUINOX RESOURCES INC.	
VAN STONE PROPERTY - WA	
PROPERTY LOCATION MAP	
EQUINOX OPERATIONS GROUP	
SCALE: As shown	DATE: MARCH, 1990
DRAWN: R.W., G.R.	FIGURE: 1


Lands in private ownership
U.S. Government lands Administered by the U.S. Forest Service
U.S. Government lands Administered by the Bureau of Land Management
C.P.S. - Callahan Mining Corp 49%
Pacific Coast Minerals 25.5%
Sharonadale Corp 25.5%
C.P - Callahan Mining Corp 74.5%
Pacific Coast Minerals 25.5%
H.M.S.-Helen Menegos Trust
L.M.T.T.-Louis Menegos Testamentary Trust
B.C. - Boise Cascade
P.B.T.F.- Port Blakely Tree Farms
LOCATION OF OPEN PIT & UNDERGROUND MINE
PARCEL E
PARCEL F
PARCEL H
PARCEL D
PARCEL C
PARCEL B
PARCEL A
SCHEDULE B
SCHEDULE C
Washington Zinc Unit
VANSTONE 2
EAST FORK ONION CREEK
MIDDLE FORK ONION CREEK
SOUTH EAST FORK ONION CREEK
NORTH EAST FORK ONION CREEK
TAILINGS LINE
ROAD TO MILL
T.38N., R.39E.
T.38N., R.40E.
T.37N., R.40E.
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29
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4
3
2

APPENDIX A-OWNERSHIP SCHEDULE

SUBSCHEDULE A

PARCEL A:

The Mother Lode, North Star, Noonday and Moonlight Lode Mining Claims, designed as Survey No. 1288, embracing a portion of Section 34, Township 38 North, Range 40, East, W.M., in Stevens County, Washington, as conveyed to American Smelting and Refining Company, a New Jersey corporation, by Patent dated August 20, 1957, recorded under Auditor's File No. 313953.

PARCEL B:

The E-1/2 of Section 33, Township 38 North, Range 40, East, W.M., in Stevens County, Washington.

PARCEL C:

The E-1/2 of the NE-1/4, the SW-1/4 of the NE-1/4 and N-1/2 of the SE-1/4 of Section 32, Township 38 North, Range 40, East, W.M., in Stevens County, Washington.

PARCEL D:

The SW-1/4 of the SW-1/4 of Section 22; the W 1/2 of the W 1/2 of Section 27; All in Township 38 North, Range 40, East.

PARCEL E:

The E-1/2 of the NE-1/4 of Section 30, Township 38 North, Range 40, East, W.M., in Stevens County, Washington.

PARCEL F:

The W-1/2 of the NW-1/4 and the NE-1/4 of the SW-1/4 of Section 29, Township 38 North, Range 40, East, W.M., in Stevens County, Washington.

PARCEL H:

The SE-1/4 of the NE-1/4, the NE-1/4 of the SE-1/4 and the SE-1/4 of the SE-1/4 of Section 28, Township 38 North, Range 40, East, W.M., in Stevens County, Washington.

VANSTONE MINE DATA SHEET

1) Map of general site including all facilities. There are no onsite wells as the plant runs on 94% reclaimed water. (attached as fig.3)

2) Included (fig.2) is all water sampling data gathered by Equinox since 1989.

3) Equinox purchased the Vanstone property in Sept 1990.

4) Waste (tailings) generated at site are gravity fed to a tailings storage area some 13000 ft. from site and stored on the existing tailings in a PVC lined pond. These tailings will be dewatered at the end off the mine life and the area reclaimed using top soil and re-vegetation. Chemicals used in the extraction process are listed (fig. 1) as well as the quantities used per ton of ore.

5) The tailings pond has been built in two phases, so far, as requirements dictate storage area. A current map of the tailings area is attached (fig.4). Included is a current map of the emergency tailings pond (fig.5) built in 1992. This pond was build in case of a tailings line problem and is situated at the original tailings disposal area.

6) In the past mining of the Vanstone, some 3,000,000 tons of ore was processed and make up the current tailings area. Since Equinox has began processing ore we have processed some 350,000 tons of ore. Total remaining open pit reserves currently stand at 400,000 tons. Total reserves including underground stand at 2,150,000 tons. Annual throughput is 340,000 tons.

7) There is a limited use of flocculant at the plant, only enough to help the solids drop in the thickner pond prior to disposal. Other than that, there is no treatment of the tailings.

8) There are no waste transporters or recyclers used at the Vanstone Mine.

CHEMICAL TYPES AND USAGE AT VANSTONE MINE

PRODUCT	STORAGE CONTAINERS	MAX. ONSITE STORAGE	USEAGE LBS. / TON OF ORE
AEROFLOAT 211	525 lbs. drums	14 drums	0.2
COPPER SULFATE	2- 2500gal. tanks, 1- 1500 gal tank (1 gal. = 10 lbs.)	6500 gals.	0.68
AERO 607 DEPRESSANT	50lbs. sacks	12 sacks	0.015
NALCO FLOC 9710 FLOCCULANTS	495 lbs. drum	2 drums	0.009
PEBBLE QUICKLIME CAL-MIX	2000 lbs. sacks	12 sacks	1.33
METHYL AMYL ALCOHOL	2 - 3000 gal. tanks (1 gal. = 6.75 lbs.)	6000 gals	0.32
AERO 343 XANTHATE	330 lbs. drum	28 drums	0.11
LIQUID ZINC SULFATE-10.5%	1 - 6000 gal. tank (1 gal. = 11.3 lbs.)	6000 gals.	0.4
SULFURIC ACID	750 lbs. drum	2 drums	0.03
NALCO DRYING AID 7810	400 lbs. drum (1 gal. = 7.4 lbs.)	2 drums	0.03
NALCO FROTHER 9743	407 lbs. drum (1 gal. = 7.4 lbs.)	2 drums	0.01
NALCO 9714 ANTISCALANT	517 lbs. drum (1 gal = 9.4 lbs.)	2 drums	0.03

FIG. 1

FIG. 2

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: 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	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										

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

1991

Van Stone Mine

SUMMARY OF WATER QUALITY DATA
1991

Sample Name: 1 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	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

Sample Name: 2 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	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 <1	1.6	<1	<1	<1	<1	<1
Sulfate	<1	2.7	3.3	3.9	<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

Sample Name: 1 GW
Sample 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

Sample 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									

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
Tot. Dislv. Solids	153	2 360	184	250	112	134	250	280
Dissolved Oxy.	12.1	11.2	12.6	12.4	11.1	10.5	NA	NA
Cyanide	0.009	<0.005	0.0007	12.4 <0.005	<0.005	<0.005	<0.005	<0.005
Chloride	1	0.93	1.45	0.94	1	2	<1	<1
Sulfate	34.3	41.2	37.9	2.39	13.6	2 22.4	36	36
Nitrate	<0.5	45.7 <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	ND	NA	NA
As	ND	ND	ND	ND	ND	ND	0.001	0.001
Ca	46	46	ND 47	30	25	23	44	48
Cd	ND	ND	47 ND	ND	ND	ND	<0.0002	0.0005
Fe	0.03	0.04	ND 0.04	0.54	ND	0.75	0.09	0.75
Hg	ND	ND	0.02 ND	ND	ND	ND	0.001	<0.0002
Mg	11	12	ND 11	7.5	5	4.5	10	12
Mn	0.008	0.008	11 0.007	0.023	0.003	0.037	0.008	0.01
Na	3.9	5.1	0.007 4.7	6.9	2.2	3.4	4.4	7.1
Ni	ND	ND	4.8 ND	ND	ND	ND	<0.01	<0.01
Pb	ND	ND	ND ND	ND	ND	ND	0.009	0.022
Sb	ND	ND	ND ND	ND	ND	ND	NA	NA
Si	6.6	6.4	7.2	5.8	ND	25	NA	NA
Zn	0.053	0.08	7.2 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	280	220
Dissolved Oxy.	11.4	11.5	11.8	11.8	11.1	108 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 <1	NA	NA	NA	<1	5 3	4	2 2
Tot. Dislv. Solids	78 76	NA	NA	NA	64	80	80	50
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 2.6	NA	NA	NA	1.4	11.1	<1	1
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 11	13 13
Cd	ND	NA	NA	NA	ND	ND	0.0003	0.0005 0.0005
Fe	ND	NA	NA	NA	ND	0.29	0.08 0.09	0.41 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 1.6	2 2
Mn	ND	NA	NA	NA	ND	0.007	0.004 0.004	0.008 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 0.011	0.014 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

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SEATTLE, WA 98101

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Figure 3

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SEATTLE, WA 98101

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Figure 4