

0006

CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

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DATE: 10-17-89

TO: JBR Consultants
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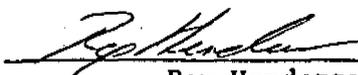
DATE SUBMITTED: 10-4-89 - CALMAT Hidden Valley, 9-21-89

CERTIFICATE OF ANALYSIS

SAMPLE ID:	#1 UPPER IVIE	#2 LOWER IVIE
LAB:	<u>U045097</u>	<u>U045098</u>

PARAMETER

Acidity as CaCO ₃ , mg/l	<10	<10
Bicarbonate as HCO ₃ , mg/l	291	282
Carbonate as CO ₃ , mg/l	0	0
Calcium as Ca, mg/l	296	296
Chloride as Cl, mg/l	213	202
Hardness as CaCO ₃ , mg/l	1,550	1,685
Magnesium as Mg, mg/l	204	205
Potassium as K, mg/l	13.6	13.4
Sodium as Na, mg/l	555	550
Sulfate as SO ₄ , mg/l	2,280	2,070
TDS, mg/l	3,860	3,480
Oil & Grease, mg/l	<.5	0.71
Settleable Solids, ml/l	<.1	<.1
TSS, mg/l	158	170
Iron as Fe (D), mg/l	0.072	0.155
Iron as Fe (T), mg/l	3.21	4.40
Manganese as Mn (T), mg/l	0.145	0.138
Cation, meq/l	56.1	55.9
Anion, meq/l	58.2	53.4


Rex Henderson

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
SEPTEMBER 21, 1989

Location	Flow (cfs)	Temperature degress C	pH	Conductivity (micromhos)	Dissolved Oxygen (mg/l)
#1 Ivie Ck (upper)	0.9	16	8.3	2600	8.5
#2 Ivie Ck (lower)	0.8	15.5	8.2	2600	8.4