

# Arsenic Balance

15 June '67

<u>M. H. No.</u>	<u>Eng. No.</u>	<u>Location</u>	<u>p.p.m. As</u>	<u>Flow</u>
1.	P. S.	Baker Creek at Falls	.123	36.35 $\text{Ft}^3/\text{sec}$
2.	M. S.	Crest flow to Baker Creek.	1.35	
	N. S.	" " "	16.84	
3.	L. S.	Cone Wash Thickener O' Flow, O. ASD		
4.		Mine Drainage water.	6.43	
5.	A. S.	Baker Creek below bridge,	0.790	
6.	J. S.	Baker Creek at A Boiler house	0.765	37.80 $\text{Ft}^3/\text{sec}$
7.		Mill Waste to Tailings pond.		
8.	{ 9	Dam to River	78.08	
	{ 8	Leak to River	24.02	

Flow balance at Bear Lake is as follows.

Flow into Bear Lake ~~#7~~ = 1.90 cub ft per sec.

Flow out of Bear Lake is,

#2 =	0.668
#8 =	1.000
#8a =	0.035
<u>Total</u>	<u>1.700</u> cub ft sec
Difference	<u>.200</u>

The Arsenic balance is as follows.

Soluble As to Bear Lake #7 = 563 lbs As per day

Arsenic out of Bear Lake

#2 =	60.28
#8 =	467.28
#8a =	13.91
<u>Total</u>	<u>541.47</u>

Difference 21.53 lbs As per day