Buckeye Run Watershed

554.6
593.
1,147.6 Acres report To M-2
Diary 1.8 sq. miles

1147.6 = 1.793 sq. miles
904.3
519.2 below M-2
405
133.4

1961.9 Acres between M-2 & Junction w/ Otter Run

3109.5 Acres drainage within
Buckeye Run Watershed (surface)
= 4.86 square miles Total

+ Mined Areas & str. contributing underground waters from beyond watershed
Thomas Mine Area ± 38.3 Ac } capture of g.w.
Surface & U.G. Mined Wt. 1632 ± 31.4 Ac }
+ 69.7 Acres g.w. contribution = Say 0.11 sq. miles

280.4 Acres potential drainage reporting to M-1 after completion - Currently accounted ac M-1 + water removed from pit (pit water) which now reports to M-1 after treatment
0.44 sq. miles

About 9% of watershed involved in present or past mining on Warrant 1632

24.17
24.80
24.96
24.166
= 554.6 Ac

2.59"
2.58
2.58
2.583 av.
593 Ac

1.39
1.34
1.36
1.366 av.
31.4 Ac ±

39.40
39.38
39.42
39.394
904.3 Ac

22.60"
22.60
22.65
22.616
519.2 Ac

5.99
5.80
5.85
5.913
133.4 ac

17.60
17.62
17.62
17.613
405 Ac

Jack Cammalt Camp Run — 1197.2 Ac. = 1.87 square miles (quantified surface water)
Current (minus treated pit water) 1104.4 Ac. Not Affected = 1.726 square miles

1.87
1.8
3.67
3.57 Now
roughly 75% surface runoff
to 72.5% not runoff

Water Qual. - Otter Run at Carnahan 0549500
8-11-1981 Flow 14 cfs
3-25-1981 " 4.5 cfs

Scale One Inch = 1000' (1" sq. = 22.959 ac)

E.E. Kepple 5/82