



**CONCLUSIONS**  
**AND**  
**RECOMMENDATIONS**

## CONCLUSIONS AND RECOMMENDATIONS

This report establishes the exact extent to which Muddy Run is grossly polluted by acid mine drainage. This polluted watershed contributes nearly half of the pollution load of Clearfield Creek, which, in turn, is a principal polluter of the West Branch Susquehanna River.

It is concluded that a thirty-six mile reach of the West Branch Susquehanna River can probably be improved to a level which will return normal uses. This will be accomplished by abatement of most of the acid mine drainage pollution in Muddy Run. It is concluded that abatement of this pollution is feasible, practical, and desirable.

Reclaiming Muddy Run will also return a thirty-seven square mile watershed to useful purposes, including game fishing, and most other types of outdoor recreation. This type of recreation is in great demand in this area of the state.

It is, therefore, recommended that:

- (1) Priority projects 1 through 26 be implemented (Priorities 1 through 6 are already under design) for a total estimated construction cost of \$2,218,,900.
- (2) The possibility of active mining reffecting polluting

portions of the watershed should be investigated. All active permits and new permit applications should be reviewed to determine their impact on the abatement plan.