

How can we determine prior to construction of this reservoir whether or not these conflicts can actually be resolved?

At least two candidates for graduate degrees in geography have resigned positions with Bureau of Outdoor Recreation in this district because they believed that proper research procedures are nonexistent. Yet the Corps of Engineers must accept the statistics as factual. Why don't social scientists devise more realistic formulas and guidelines for establishing accurate cost-benefit ratios?

The Bureau of Outdoor Recreation recommendations add 2,300 acres and \$7 million to the initial cost of the project and the annual benefit they assign to the project is \$1,626,000. However the annual agricultural loss of foodstuffs from this highly productive area has table value of \$15 million. How can anyone justify the accrual of recreational and other "benefits" year after year without balancing them against the annual loss in food production? Is it accurate for the Corps of Engineers to ignore these economic factors?

There are at least six alternate sites in the Huron River watershed for impoundments. If impounding water for low-flow augmentation is necessary for pollution control will your studies provide formulas by which these sites could be studied?

The Corps of Engineers is limited by antiquated law to multi-purpose projects which must include flood control. Therefore, it cannot furnish information relative to the possibilities inherent in one or more smaller single-purpose reservoirs, with or without importation of supplemental water, and/or interception of sewage effluents. If your committee can provide a guide for obtaining the necessary information to study these alternate sites some of the items which should be included are—

- A. Volume of storage.
- B. Surface acres of seasonal pool.
- C. Land acquisition requirements.
- D. Present land usage.
- E. Character of catchment area.
- F. Soil classification.
- G. Present land ownership; that is, private or public.
- H. Present land production and benefits.
- I. Residual effects of present land usage on water quality.
- J. Appraisal of the natural physical characteristics of a stream which could contribute to, or limit its usability for, various needs.

In addition, further and accurate information is needed to determine the following:

- A. Amount of storage required with and without importation of water.
- B. Amount of storage required with and without interception of sewage effluents.
- C. Amount of storage required with both of the above, low-flow augmentation to improve the quality of lower Huron River for recreation and esthetic enjoyment.

Since it is predicted by responsible engineers that water importation and sewage interception is indicated probably by 1990, item C, above, becomes the most important and storage requirements should be calculated accordingly.