

analyzing the present relationships and projecting them into the future. It also may be accomplished by assuming a certain magnitude due to changes, which seems most probable to result from a particular act. It is true that predictions may be based on such projections but predictions and projections are not the same thing.

It is difficult to analyze completely how the Corps arrives at the classification of recreation. Apparently it is assumed in the first instance that the phenomenon of recreation is apparently homogeneous. Or if not homogeneous, sufficiently compatible that all will benefit or loss as result of something taking place or not taking place. If a reservoir is constructed, presumably all recreation users benefit. If it is not constructed, presumably all recreation users are deprived.

Recreation is not homogeneous and planners with an eye to more than just a particular river basin have to take this into account, if they are to serve, as they contend they are doing, the recreation needs for people from a wide area with varying preferences. Some people like to water-ski. Other people prefer to canoe down an unobstructed stream. In short, there is never any effort to make qualitative determinations. Neither is there an effort on the part of the Corps to judge the availability of particular types of recreation in a general area, in order that their final planning will be fused into an over-all balance that is required by the area in general.

My own efforts to come to some reasonable conclusions, as to the manner in which the Corps makes these calculations with such accuracy and profundity, is to request what value is given to different qualities and preferences in the computation of the recreation being displaced. Also to question whether recreation being displaced is in shorter or greater supply in the general area than that being offered by the reservoir construction. What impact on scenic and esthetic resources will a reservoir add rather than detract from the scenery as it now exists? How are these values assessed? Apparently none of these factors is taken into active consideration. If such factors are considered, there is no information available in the reports to determine how the decision was made.

The economics are similar in calculating the enhancement of fish and wildlife. It seems quite probable that in terms of total quantity of fish available in a given place man, through his various devices, can probably increase this amount, whether it is in a reservoir or in a stream. Fish in a reservoir, however, are of one type and one quality and in a free-flowing stream, another. What species or type of fish do fishermen seek—carp, catfish, bass, trout? Some species, which do not adjust to the increased temperature which so often results in water impoundments will be non-existent or reduced in supply.

Another interesting feature is that most organizations concerned with the healthy propagation of fish and wildlife, scenic beauty, and other water-based recreation interests, have been opposing most of the Corps' structure, since the Corps has been suggesting them in the Potomac River. There are those seeking economic gain, which the recreationist and fisherman will provide by his expenditures in attending such reservoirs, who urge this type of recreation development.

Alas and alack, even these properly motivated individuals are often in for a shattering experience. The incident of Tuttle Creek, wherein the draw-down for purposes of navigation was so extreme that areas representing thousands of dollars of commercial investment for recreation purposes were abandoned. We are certain that this will be reported as an unusual and specific circumstance from which one should not generalize. We hasten to add, however, that the experience is far different than anticipated in many cases. We are aware that as population increases individuals will seek out all kinds of recreation opportunities. It is the relative proportion, however, that is critical. After the first few years good fishing in the reservoir tapers off to be minimal and unexciting. After the recreationist and boating enthusiast plods many yards through mud flats to reach the water, disenchantment sets in. It may be pointed out that the numbers of people, because of the population factor, may not have been significantly reduced. But what is always left unsaid is the economic opportunities and the genuine character of recreation that would have been occasioned and sought after, had the area not been so disrupted by impoundments.

We sincerely hope that in meeting the President's challenge of a model Potomac River Basin that we not incur the costs, the burdens, the economic dislocation, the impact on states and localities for solutions, which in our judgment, can be met far better in ways other than proposed by these structures. Solutions that enhance the scenic beauty. Solutions that increase the quality and attractiveness of recreation opportunity. Solutions that lead to more pure water for the better