

Dr. WEINBERGER. Dick, we have tried to do this, and I think you are getting from Alan the same one you got from me.

Dr. HIRSCH. I hope so anyway.

Dr. WEINBERGER. In terms of trying to come up with this simple matrix, it gets extremely complicated. I worked on this one weekend trying to see if you couldn't boil it down. What happens, for example—take one that you are very much interested in—temperature.

Mr. CARPENTER. Yes.

Dr. WEINBERGER. The temperature criteria for fish. What you quickly find out is that this varies from State to State because you have different species of fish.

Mr. BARNHILL. And stream to stream.

Dr. WEINBERGER. Stream to stream. And you have different latitude. But more than that, in other words, for this, then you run into the fact that it isn't only a specific temperature that one is talking about. You are talking about temperature during particular times of the year.

Dr. HIRSCH. Any combination with other conditions.

Dr. WEINBERGER. And you are talking about rates of temperature rise. So you find that to pick out a number, you know, just some number, which you can apply uniformly across the United States, and from State to State, is going to be lacking. But this does not mean that they are not consistent. When I looked at some of the standards as to which could be uniform, it really relates much more to the amenities. In other words, you can say that you don't want to have any floating matter.

Which are signs of fecal pollution. This is a uniform standard across the country. Or you want to have something which is substantially free of oil. But when you get into any of the uses like fishing or for human health, for swimming, you begin getting into some very vast differences. To present the data in a table you have to simplify it so that it loses any meaning.

Mr. CARPENTER. Well, I realize that difficulty, and I was just hoping that ultimately your program could do that and then add a fifth dimension, which would be the cost of achieving this, which would have to take into account the present status of the water.

Dr. HIRSCH. Of course the cost report that you see before you is a first effort which has to be updated annually to do just that, to estimate the costs.

Mr. CARPENTER. Yes.

Dr. HIRSCH. Of meeting water quality standards.

Now it was done on a State basis, on a regional basis and so on, and we will refinance it from year to year. So hopefully, you would be able to pick up that report and say that in the next 5 years it is going to cost so many dollars to meet the water quality standards which have been established by the State of Indiana or Michigan or Ohio.

I don't think this first year's report quite gets us to that point, but I think we will be at that point by next year. So that at least answers the cost half of the question that you have asked.

Mr. CARPENTER. Right.

Dr. HIRSCH. As to the other question, I think it is more a matter of summarizing the standards submitted by any State so that anyone