Dr. CAIN. No. There is certainly a difference as to the degree of the intrusion on the Potomac between the long pie-shaped total area and the shore. There is some difference there. I have already described a difference with respect to the block just north of the orange-colored area.

Mr. GUDE. In regard to the wide fluctuation of the number of waterfowl that utilize this and the area down through Hunting Creek during the winter, wouldn't it be true that when the population gets to the very upper limits—for example, in December of 1961 there was a count of better than 11,000 waterfowl. Would this mean that the fluctuation is controlled to a certain extent by the feeding area available for the waterfowl?

Dr. CAIN. I am sure that there are many factors that influence the annual differences in numbers of birds in this area. I have no information as to the importance of subtracting, in this case, 9½ acres from the total acreage that is involved between here and the south end of Dyke Marsh, including all of this Hunting Creek Bay. This is a very small percentage of that total acreage. And I imagine 11,000 ducks would still be able to feed if they wanted to stay there, with that 9 acres gone. I don't know how to measure the impact of this particular fill on the total area and the total number of ducks.

Mr. GUDE. I think Dr. Uhler's testimony was to the effect that the area involved did provide food for waterfowl. And I think when you went through this with Mr. Reuss——

Mr. Moss. Mr. Reuss was accompanied by Dr. Gottschalk, I believe. Dr. Gottschalk testified that he had witnessed as many as 50 ducks on some occasions.

Dr. CAIN. In the region.

Mr. Moss. In the general region.

Mr. GUDE. I guess it is a question of how much you chip away at some of these natural resources. This is what disturbs me.

Mr. Moss. Would you yield briefly?

Mr. GUDE. Yes.

Mr. Moss. Again, Dr. Cain, I put a question to General Woodbury yesterday regarding the upper portion. And I asked: "What was your understanding on the upper half of that 38 acres, or approximately half—it is a little more—had they abandoned the application for permit then?" The general replied:

> The applicant, as I understand it, has never withdrawn his application, but when the applicant for the southern part renewed his interest in getting his application acted upon, the individual representing the applicant also, as I understand, represents the applicant for the upper permit area, and it is my understanding from the district engineer that he advised the district engineer that they only desired to pursue the lower application at this time.

I then submitted for the record the 1966 plans which show the development of the entire area outlined in green, in fact a little more than the entire area, because I think the area outlined in green is 493 feet from the Virginia-Maryland boundary, whereas the 1966 plan shows development to within 93 feet from the Virginia-Maryland boundary.

I thank the gentleman for yielding.

Mr. GUDE. I think your point is well taken—that following this 9 acres it could have ended up in taking 36 acres, and then there is no doubt that a considerable part of that area would have been dis-