

The hydrographic survey of the affected area made by me in February of 1964, and the survey shown and revised in June of 1964 show material increase in the amount of deposit in this area. This is shown on our map, exhibit No. 2, which is on the easel, an old elevation, hydrographic elevations, taken in the original map, and the new ones in red are shown on there.

You will notice accumulations in that short period of time of almost 1 foot of additional silt in the area near the area of application.

In 1965, the National Park Service made a hydrographic survey of this same area based on the same data used by me and the soundings are shown in red.

In their drawings, we find that the shoreline had moved quite a number of feet toward the Potomac River and that more than a foot of fill was occurring in many places and this in a matter of 18 months.

It is evidence that unless some activity occurs in this area, that the northern area of the present basin will soon be entirely taken up with mud flats and marsh and even a more serious matter to be considered here today is the fact that the southern end where there still remains some open water, usable for wildlife and for recreation purposes, that this silt is continuing to flow there also at a rapid rate and the depletion of this area is going forward at an alarming rate.

The proposed bulkhead which the applicant wishes to install will give a hard, smooth surface, along which the water passing under the Memorial Highway Bridge through its archways can thrust and assist in the maintenance of a channel.

The owners propose, upon receipt of approval of this permit, to do two things which will be beneficial to the area, indicated on exhibit 3.

I would like to say that we have not proposed to apply for any channelization until it was known what bulkheading would be acceptable to and approved by the Corps of Engineers.

I have informed the office of Colonel Rhea that at an appropriate time, we would approach them and discuss such a channel.

These two items that I have mentioned, one, the cutting of a channel, direct channel from the end of the Royal Street sewer into the new channel, main channel, to remove the sewage from this area, to an adequate disposal point in our new main channel—they further plan to apply to the Corps of Engineers when the exact extent of their operations is known, for permission to dredge a new marina at the east end of the bulkhead, and to provide a channel along the southerly side of this bulkhead through the marina area and to the main channel of the Potomac River so as to serve the recreational facilities of this project. But most important, to provide for the storm water overflow of Cameron Run to the Potomac River at some velocities as will carry a major portion of the silt to a point of disposal where it will not impair the southern portion of the estuary.

I cannot emphasize that too much, Colonel. This area is being depleted rapidly. By dredging of a channel which will contain these waters and carry this silt out to a place where it can be properly disposed of may save the southern area next to the Government recreational area for some time to come.

In order to preserve the quality of these facilities, we propose to develop on the entire holdings the proper recreational facilities which will continue to keep the channel open in the form of a boat channel and boat harbor.

They want to do all they may and reasonably be able to do to preserve the appearance and usability for wildlife and recreation, all the area between this project and the land of the National Park Service lying along the south shore of this bay.

We have not applied for the exact location and the exact extent of this channel as we would be required to negotiate with the city of Alexandria, the county of Fairfax, and to secure proper approval by the Corps of Engineers to arrive at a solution compatible with these parties and their several interests.

At this time, the city of Alexandria and the county of Fairfax are especially concerned with the current flooding situation. The blockage of the old channels by which floodwaters from Cameron Run go into the Potomac River may produce flooding problems in both jurisdictions and as far west as Telegraph Road.

The authorities of the city of Alexandria are specific as far as their jurisdiction in this matter is concerned.

The owners will be required to provide a facility subject to the approval of the Corps of Engineers which will alleviate some of this problem and accomplish the objectives which I have previously mentioned.