

being cropland, a high amount of pesticides and her

water quality parameters is essential. The deterioration of water quality parameters affects fish physiology, growth rate, and feed efficiency, leading to pathological changes and even mortality under extreme conditions,” (Yildiz, 2017). Water quality parameters for fish are in the same range of plants except water temperature and pH in the aquaponic system, as shown in Table 1. Fish species with a high tolerance of pH and temperature should be taken into account. It is

collective understanding reinforces the critical significance of preserving and managing river ecosystems for the benefit of both current and future generations. It calls for a shared responsibility and concerted action to guarantee the resilience and vitality of these natural systems, which play an integral part in the well-being of our planet and its inhabitants.

3. Study Area

The water injection dredging will be occurring in Tuttle Creek Lake Reservoir five miles north of Manhattan, Kansas and covers 10,900 acres and is surrounded by 20,000 acres of park land. The surrounding area consists of many recreational activities such as

drying the samples, we then reweighed the dry filters and subtracted the weight from the initial weight/control variable weight in order to determine the sediment weight.

5. Results an

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