

KEN LAKE MANAGEMENT PLAN SUMMARY

Ken Lake is the most valued community asset providing residents with opportunities to experience nature up close and provides abundant recreational opportunities for those who are members of the Lakemoor Community Club. For over 50 years, the lake has had many studies conducted and documentation gathered but a Comprehensive Lake Management Plan was never developed. On February 8, 2021 the LCC Board had approved the development of a Lake Management Plan for Ken Lake as both the Board and the Community at large desired a plan which would provide a strategy to enhance this asset. The Board and the Lake Management Committee adopted a nine-step planning process which was used in the development of this plan and each step is detailed in this plan

Phase I

Objectives:

1. Maintain a healthy viable ecosystem for recreation, fishing and waterfowl.
2. Ensure the LCC and its residents have an input in the process and their concerns are addressed.
3. A planning document that is reviewed no less than triennially

Identify Concerns:

1. Canal Sediment Buildup – both the East and West canals have been slowly occluded by detritus material that have been determined to consist of approximately 80+ percent inorganic and 20 percent organic material.
2. Lake bottom “Muck” – numerous comments have raised concerns about the buildup of non-degraded plants and sediments on the lake bottom.
3. Aquatic/Shoreline Plants – The Lake has two dominate aquatic plants. Elodea and Sago Pondweed. Both are very common and considered native/non-invasive. Both are important habitats for fish and waterfowl. The threat to be concerned with are the invasive plants in and around the lake such as the Yellow Flag Iris, Reed Canary Grass, (fragrant, tuberous and white) water lilies and Purple loosestrife
4. Algae – Ken Lake has one or two blooms per year. The blooms may be either blue-green or grey algae. Both are dependent on late spring or early summer temperature and elevated phosphate levels.

5. Lake Level: the cyclic water changes between our rainy season and summer drought
6. Recreational/Community Access – Ensure that the lake is open to all residents and is safe in their recreational activities of choice.
7. Shoreline Management/Responsibilities: - Clarify the duties and responsibilities of all lake front properties owners and differentiate those that are the duties and responsibilities of the LCC.

Analyze Resource Data

1. Aquatic Plants including invasive species
2. Storm Drain input and outflow contamination
3. Field survey
4. Fish and wildlife habitat
5. East/West Canal review
6. Recreational support
7. Community Education/Support
8. Historical Data and Studies

Phase II

Formulate Alternatives

1. Erosion control to reduce “sloughing” on both side with possible bulkheads or other appropriate shoreline controls
2. Check with City of Olympia on remediation requirements or permits
3. Contact Resident property owners who will be impacted by any action taken.
4. Identify issues to be addressed by HOA BoD.

Lake bottom “

1. City of Olympia Storm water division.
 2. Clean up of major detritus contamination by storm water lines into lake
 3. Clearly mark all storm water entry points and work with City of Olympia on remediation effort of reduce or eliminate further contamination.
1. Audit all plants along the shorelines and identify all non-native/invasive plants
 2. Educate Community for voluntary efforts to eliminate or manage shoreline plants
 3. Ensure aquatic herbicides are correct and effective

Algae

1. Monitor lake Phosphate/Nitrogen levels
 2. Test Algae for toxicity
1. Monitor West Canal for obstructions and debris during heavy rain periods
 2. Ensure no unauthorized siphoning or pumping of lake for irrigation or other than approved recreation activities.
1. Monitor lake to ensure environment safe for fish and waterfowl
 2. Monitor lake to ensure its safe for recreational swimming and non-motorized activities
 3. Ensure all public areas are safe.
1. Who is responsible to maintain shorelines?
 2. Does the HOA BoD need to amend covenants
 3. Cost for remediation?
 4. Grants.