

## **Dredging Estimate - Tabb Lakes Homeowner Association**

The Tabb Lakes Homeowner Association (HOA) is soliciting bids to dredge a portion of their retention pond due to a buildup of organic material.

### **Statement of Work**

Tabb Lakes HOA is located in southern York County along RT17. The general location of the area to be dredged is at the corner of Bridge Wood Drive and Tabb Lakes Drive, Yorktown, VA 23693. The lake area is behind the properties of 810 and 808 Tabb Lakes Drive (see attached maps).

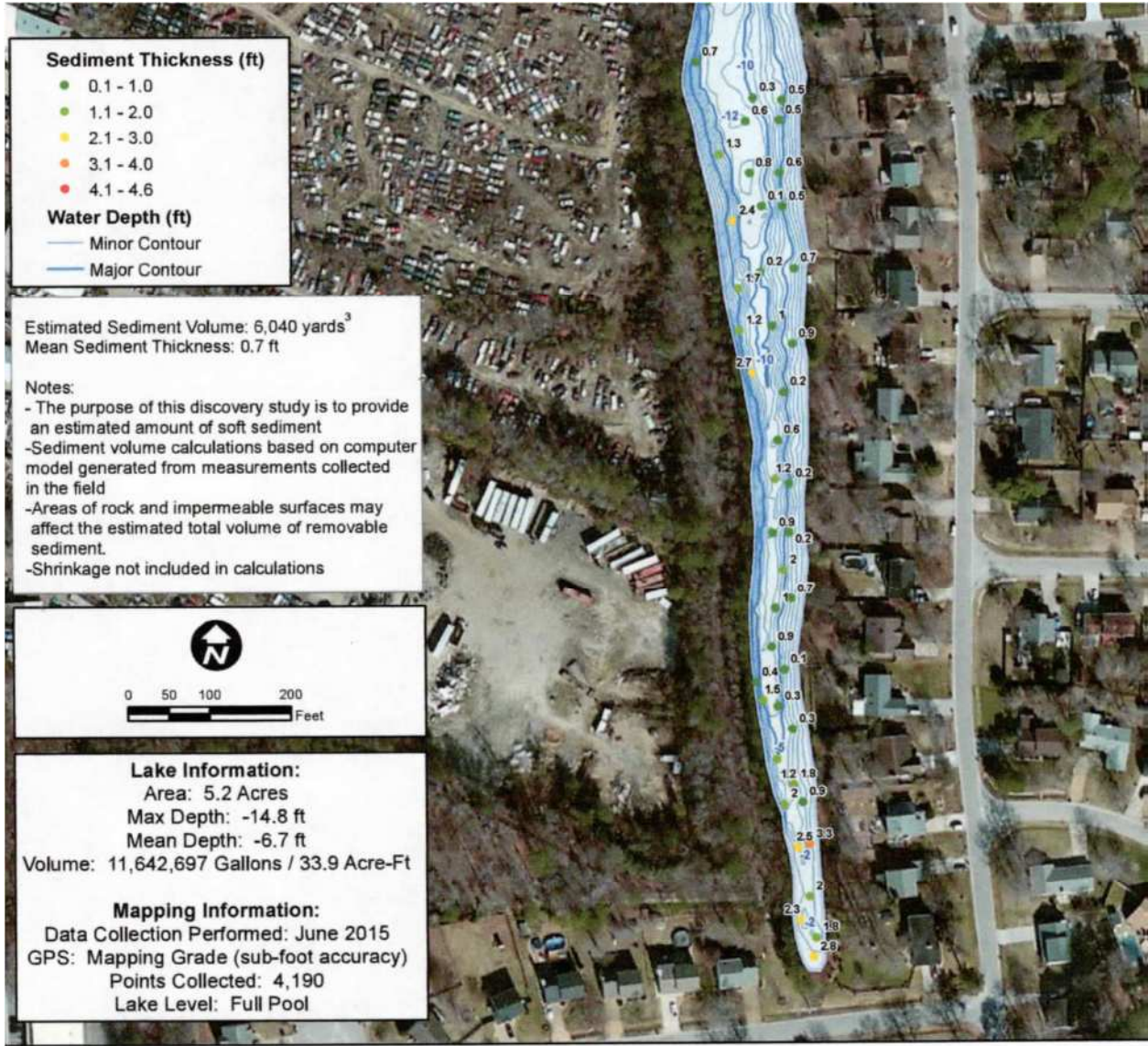
1. The Contractor will furnish all labor, equipment, and material to perform the requested dredging and the removal of spoils from Tabb Lakes HOA in accordance with approved permit conditions. The Contractor will obtain all necessary federal, state, and county permits needed to complete the project.
2. The area to dredge is approximately 150 ft long by 25 ft wide, from the beginning of the existing culverts under Bridgewood Drive to the property boundary between 806 and 808 Tabb Lakes Drive (see attached map).
3. Contractor will dredge the specified area to the designed lake bottom of 6 to 8 ft (21 ft msl). The depth of the water after dredging is to be measured based on the lake designed level of 27 ft msl.
4. Contractor will only use Tabb Lakes HOA property to access the lake area for dredging. This area is on the west and south west corner of the lake. Contractor will develop access for equipment along this area. This property is owned by the Tabb Lakes HOA.
5. The Contractor will remove and dump spoils at another location other than Tabb Lakes HOA and for providing trucking of spoils to that location. The Contractor will obtain the required permits and approval.
6. Contractor is responsible for protective methods to ensure no damage is done to the property at 106 Bridge Wood Drive, 810 Tabb Lakes Drive, the fishing pier, the outdoor bench, and the drain pipe along the path by the fishing pier. Any damage will be repaired by the Contractor.
7. Upon completion, the contractor is responsible to return the HOA property on the west side of the lake to its original general slope and condition.
8. Estimates will include any specific requirements to remove trees that border the west side of the lake to insure full access to the lake with dredging equipment. Tabb Lakes HOA will remove the trees as needed prior to the beginning of any dredging operations.
9. Contractor shall be responsible for determining the best method and equipment to use with the goal of maximizing the area of dredging. The Contractor shall also be responsible for compliance with all permit conditions including, but not limited to, meeting all environmental standards.

Estimates will include a description of the type of dredging (hydraulic, mechanical, etc), procedures used, estimated length of time to complete the project, and any requirement to have any trees removed prior to the start of the project.

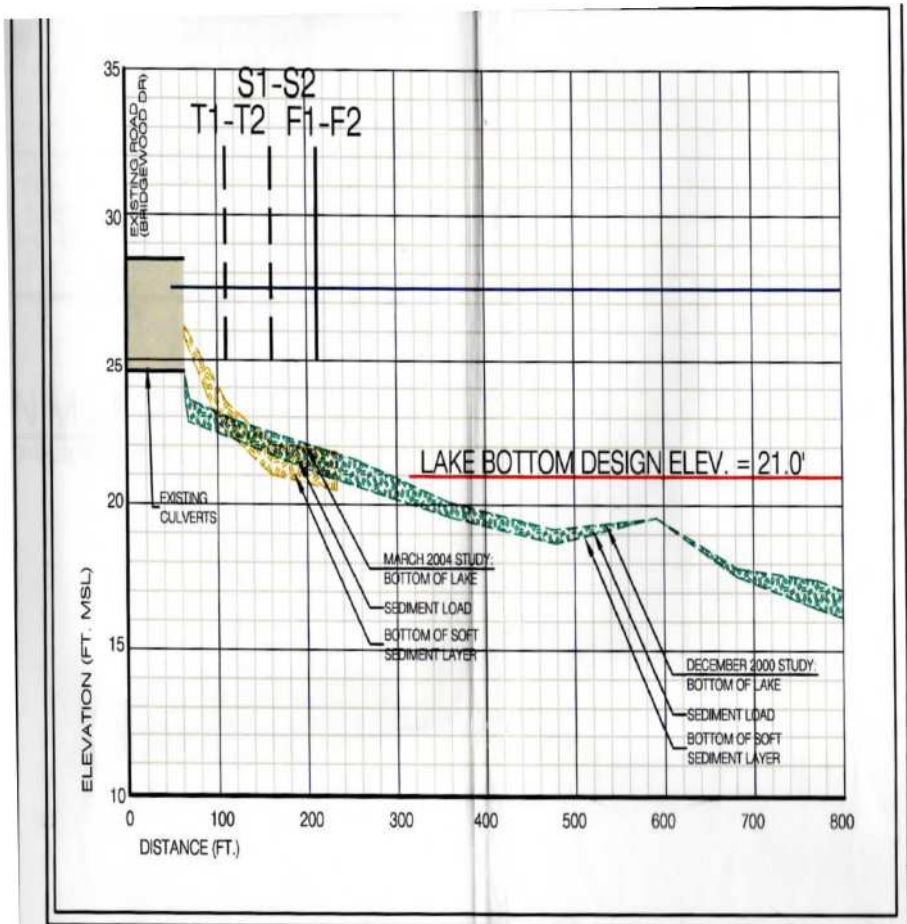
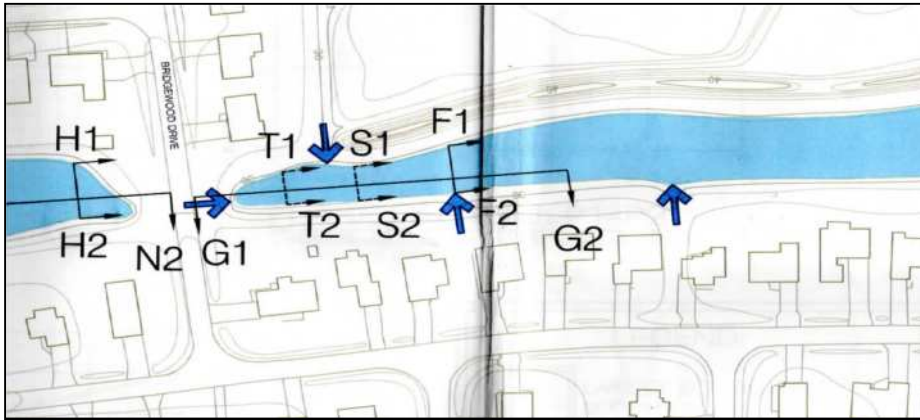
Attached are maps of the area along with previous lake study analysis that were completed in 2000, 2004, and 2015. Sediment deposit depth analyses are incorrect due to recent changes in sediment deposits. Electronic versions of our completed lake studies are available upon request. The point of contact for the Tabb Lakes dredging project is Lou Lafrenaye, 205 Monty Manor, Yorktown, VA. Cell number is 757-817-1710.



TABB LAKES - Lake 1 sediment depth analysis, 2015 study



TABB LAKES - Lake 1 analysis showing sediment buildup, 2000 and 2004 study



### LAKE 1 LONGITUDINAL CROSS-SECTION: G1-G2

VERTICAL SCALE: 1" = 5', HORIZONTAL SCALE 1" = 100'