

# Special Town Meeting of the Town of Highland Lake, Alabama Lake Dredging

The Highland Lake Council held a town meeting on Monday, November 9, 2015 at the Anchor. Mayor Bailey called the meeting to order at 6:30 p.m.

Present: Mayor Gail Bailey  
Council: Donna Hanby, Shani Ort and Connie Vice  
Absent: Council: Skip Davis and Tim Peek

Julie Kaplan and Dick Czlapinski, representatives from Tetra Tech, Inc. were also in attendance.

Approximately 30 residents were in attendance.

The purpose of the meeting was to discuss lake dredging. Mayor Bailey stated we have been working on this project for approximately two years, and are ready to present the findings to the community for thoughts and questions. Bill Rush, Chairman, and the dredging committee has done an excellent job. The Mayor thanked Bill and the committee for their dedication and hard work during this time.

The meeting was turned over to Julie Kaplan and Dick Czlapinski, Tetra Tech, Inc. to provide an overview of the Highland Lake Dredging Feasibility Study and recommended dredging/disposal option (handout attached to minutes).

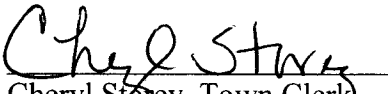
Questions/comments were addressed from the public. Discussion took place.

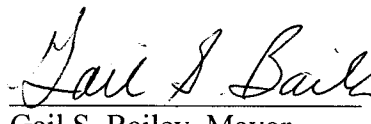
Mayor Bailey stated it would take approximately one year to obtain the required permits. The next step is for the council to make a decision on what direction to go, and to look at funding.

The council will take all comments into consideration. The council took no action.

Vice made a motion to adjourn. Hanby seconded. All said I. Meeting adjourned at 8:00 PM.

Respectfully submitted:

  
Cheryl Storey, Town Clerk

  
Gail S. Bailey, Mayor

## Highland Lake Dredging Feasibility Study

### **Purpose of the Dredging Feasibility Study:**

The Town of Highland Lake wishes to maintain boating access in Brasher Creek Bay and Sand Creek Bay, and is considering dredging efforts that will provide a water depth to accommodate this access. Tetra Tech assessed the environmental, engineering, and cost components that influence project feasibility for the purpose of recommending the most viable solution. Subtasks included: sediment characterization; evaluation of dredging, dewatering, and disposal options; a preliminary dredge plan; dredging cost estimate; and determination of necessary permits.

### **Target Water Depth in Dredge Areas: 7 feet**

#### **Estimated Sediment Volume:**

Brasher Creek Bay: 6,400 cubic yards

Sand Creek Bay: 6,000 cubic yards

#### **Evaluated Dredging Methods:**

Mechanical Dredging

Hydraulic Dredging

#### **Evaluated Disposal Options**

Open Water Disposal

Sand Creek Upland Area

Pat Bellew Park

#### **Dredging/Disposal Options**

##### **Mechanical**

M-1 Two bays, open water disposal - \$344,000

M-2 Two bays, open water disposal in 2 phases - \$384,000

M-3 One bay, open water disposal - \$234,000

M-4 Two bays, Sand Creek upland - \$485,000

M-5 One bay, Sand Creek upland - \$367,000

M-6 Two bays, Pat Bellew Park site - unfeasible

##### **Hydraulic**

H-1 Two bays, Sand Creek w/geotextile tubes - \$639,000

H-2 Two bays, Sand Creek w/ CDF - unfeasible

H-3 Two bays, land creation- \$982,000

H-4 One bay, land creation - \$581,000

H-5 Two bays, open water disposal - unfeasible

H-6 Two bays, Pat Bellew Park site w/ CDF - unfeasible

H-7 Two bays, pat Bellew Park site w/ geotextile tubes - unfeasible

#### **Recommended Dredging/Disposal Plan**

Mechanical Dredging with Open-water Disposal (M-1)

#### **Required Permits**

USACE Individual 404 permit

Water Quality Certification (issued by ADEM)

ADEM Construction General Permit

### Recommended Dredging/Disposal Option

