

**Lake Lemon Conservancy District
Dredging Study Group (DSG)
LLCD Office
July 20, 2013**

DREDGING STUDY GROUP MEMBERS PRESENT: TIM SPECHT, DIRECTOR; PAM DUGAN, DIRECTOR; TINA THRASHER, DIRECTOR; NORM HOLY, FREEHOLDER; GREG MCATEE, FREEHOLDER; LES WADZINSKI, FREEHOLDER; BOB MADDEN, DISTRICT MANAGER; JAMES VAN TASSEL, LAKE BIOLOGIST; BILL TURNER, GUEST. ABSENT: JEFF HARTMAN, FREEHOLDER; LEVI WARTHAN, DREDGER.

- I. Call Meeting to Order/Chairpersons Remarks
 - a. Thrasher welcomed everyone and went over previous DSG recommendations to the Board of Directors.
 - b. Wadzinski asked if \$15,000 will be enough for private jobs in 2014. Might as well make it fat since private dredging is cost neutral.
- II. Approval of May 11, 2013 Meeting Minutes

BY CONSENSUS THE DREDGING STUDY GROUP APPROVED THE MAY 11, 2013 DSG MEETING MINUTES.

- III. Review of DSG Recommendations to LLCD Board of Directors
- IV. Review of Current Barge Equipment
 - a. Current Dredging Operation Equipment (handout)
 - i. Gives current values and life expectancy.
 - 1. Appraised by Butch Evans: Heavy Equipment Appraiser
 - ii. These values show options if the DSG decides to recommend selling some equipment for purchase of a smaller dredging operation.
 - b. Smaller Barge Operation
 - i. Option which would assist in dredging smaller currently inaccessible channels.
 - ii. Sell current barge and push boat. Funds from this equipment could help cover costs of smaller barge and excavator.

iii. Could hinder effectiveness in debris removal.

c. New Sediment Depth and Volume Study: Discussion

i. New bathymetric map

1. A new sediment depth and volume map would provide valuable information regarding sedimentation and dredging maintenance to be done around the reservoir.

2. Map would include entire reservoir

3. Comparable to our bathymetric study done in 2003.

a. This would provide information on sedimentation rates and changes in water depth at key tributaries.

b. Shows effects of 2008 flood.

c. Provides a road map on the sedimentation in the bay East of Reed Point.

i. Important for talk about hydraulically dredging the bay.

4. Jeff Ehman of Indiana University would be able to perform the study and produce a bathymetric map.

a. Wadzinski has worked with Ehman and gave him a good recommendation.

d. Hydraulic Dredging

i. HD is the best option for sediment removal in the bay east of Reed Point.

ii. Over flow pond south of the long causeway would be the best option for disposal of sediment.

1. Over flow pond would become a wetland.

iii. An engineer will need to be consulted to better scope the project and get necessary permits.

1. A new bathymetric map will assist in continuing this process.

e. Recommendations

- i. The DSG recommends to the Board of Directors to increase the private dredging and other dredging line number for an anticipated increase in private jobs in 2014.
- ii. The DSG recommends to the Board of Directors that a new bathymetric study/map should be performed in 2014.

V. Endowment Discussion

- a. Tabled.

VI. For the Good of the Order

- a. Norm Holy has been in contact with Jim Allen, property manager at Yellowwood Lake. Yellowwood has been dredged in the dry during a drawdown of the lake. Holy will work with the LLCDC Office to set up a time for the DSG to meet with Allen at Yellowwood to discuss their methods of sediment removal.

VII. Next Meeting

- a. August 24, 2013 at Approximately 11:00 - 12:00 PM; Directly following the Board Meeting, at the LLCDC Office.

VIII. Adjournment

THE JULY 20, 2013 DSG MEETING ADJOURNED AT 1:00 PM.

Submitted By:

James Van Tassel

Lake Biologist