

Town of Lake Lure - Lake Advisory Board

- Minutes of Regular Monthly Meeting -

The Lake Advisory Board held their regular monthly meeting at the Town of Lake Lure Municipal Center on Monday, the 5th day of May, 2014 at 3:30 p.m.

Attendees:

Mark Helms (chairperson)
Joe Pritchett
Gary Hasenfus
Dan Breneman
Bill Ashman
Derek Papesh
Gary Johnson
Mary Ann Silvey (council liaison)
Dean Givens (Dir. Lake Ops.)
Chris Braund (Town Manager)

Non-Attending Members:

N/A

Guests:

Mayor Bob Keith
Jean Kaufman
Tom Judson
Paul Knaub
Karen Knaub
Bo Williams
Blaine Cox
Stephen M. Webber
Garlon Prewitt
Bill Thompson
Jerry McCall
Harry Hunt

In the absence of the board's clerk, Secretary Joe Pritchett recorded the meeting actions.

General Meeting Actions:

- Chairperson Mark Helms called the meeting to order at 3:35 p.m.
- The board unanimously voted to approved the minutes of the April 7, 2014 regular meeting and the April 17, 2014 special workshop meeting
- Joe Pritchett made a motion to adjourn the meeting. Dan Breneman seconded the motion. The vote of approval was unanimous.

Public Forum:

No one requested to speak during public forum.

Individual Meeting Reports and Actions:

Lake Operations Administrator – Dean Givens reported:

- Dean reviewed his monthly status report and reported that only one slip remains available for rent at Washburn Marina.

Fishery & Ecosystem – Gary Hasenfus reported:

- Mr. Hasenfus reported that on April 28th the lake was stocked with 30,000 3-5 inch redbfin shad.

Lake Structures – Gary Johnson reported:

- Mr. Johnson is working to draft potential revisions to the Lake Structure Regulations.

Emergency Preparedness & Response – Dan Breneman reported:

- No Report

Dredging & Watershed Stabilization – Joe Pritchett reported:

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- Postponed to discussion item of the agenda.

Water Quality – Bill Ashman reported:

- No Report

Regulations & Law Enforcement – Derek Papesh reported:

- No Report

Other Business

Discussion Concerning a Request to Lower that Lake Early

Garland Prewitt, owner of property at 179 Tryon Bay Circle, presented a request asking for the lake to be lowered early this year to allow his contractor to do work on his property that was affected by a land slide last year.

Mr. Prewitt explained that he has been trying to get the project completed for months, but has been delayed multiple times.

Board members discussed the possibility of having the work completed without lowering the lake.

After further discussion, Bill Ashman made a motion to recommend that town council deny Mr. Prewitt's request and not lower the lake early. Dan Breneman seconded that motion. The board unanimously voted in favor of the motion.

Continue Discussion of Dredging Strategy

Board members discussed a 10-year dredging investment plan.

Joe Pritchett made a motion to recommend the following 10-year dredging investment plan for 2014-2024. Dan Breneman seconded the motion. The board unanimously voted in favor of the motion.

Town of Lake Lure Proposed 10-year Dredging Investment Plan 2014-2024

Lake Advisory Board - May 2014

There are three components to the recommended annual dredging investment in Lake Lure:

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- **The River Channel:** mouth of the broad river as it enters the mouth of Lake Lure.
 - It is estimated that 70% or more of the sediment entering the lake comes from the Rocky Broad River on the west side of the lake. The largest volume moves along the bed of the river and onto a plume of sediment that now reaches nearly a mile into the lake. Once it reaches this point, it is too deep to recover economically. The major thrust of the plan focuses on prevention/early capture of sediment this area, which is also the area of greatest public use of the lake (marina bay).
 - The objective is to maintain a deep pit in the river as a sediment trap to capture silt from the river before it reaches the lake, slowing the filling of the lake. We have used this strategy in the past, but without sufficient funding to regularly clean out the pit. If not done annually, silt from the river will carry out into the main channel.
 - Enter a ten-year contract with an outside vendor (open bid process). This is a \$300,000 per year commitment: 250,000 to excavate 25,000 cubic yards per year from the river channel (the pits) and surrounding areas, and \$50,000 to be used for emergency clean out of the pits (due to a heavy storm). If not used, the \$50K would role over to the emergency dredging fund or be used to further dredge areas (marina bay and the west end of the lake).
 - The vendor would maintain and operate a hydraulic dredge and pump all spoils into dewatering ponds on either side of the river channel. Under the contract, the vendor will be responsible for removing all sand and aggregates from the site.
- **The Balance of the Lake:** Trout Stream and Buffalo Creek (RBR), Cane Creek (Tryon Bay), Gray Logs Cove and 39 other tributaries.
 - We believe that these other areas of the lake affected by sedimentation could be maintained at historic depths for approximately \$66,000 per year. This is an estimate calculated using recent dredging expenditures in these areas.
 - Each area has unique characteristics, requiring different dredging strategies and timeframes and costs. Annually, the Lake Advisory Board will conduct a needs assessment and prepare a proposed dredging plan and budget for these areas. Dredging may be hydraulic or excavation, depending on accessibility, depth, options for dewatering and whether it's a lake drawdown year.
 - The Lake Ops department from now on will be making depth reading in all areas of the lake, on a regular schedule. This data will then be used to assess these different areas, and determine where dredging is needed the most.
- **Emergency Savings:**
 - Consistent with Town Council's expressed intent in the year 2000, an annual contribution of \$100,000 should be put into the silt reserve fund to cover the cost of a large post-flood cleanup (known in the past as the "Big Dig"). In 1997, the town dredged the main channel after the flood of '96 at cost of around \$1.4 million (paid

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for by FEMA). After that event, FEMA informed the Town that future help was not guaranteed and that a self-insurance fund is recommended. We believe that same project today would cost around \$4 million.

- Today this fund has a balance is \$318,000.

FUNDING

The three components of annual dredging will cost:

\$300,000	river channel/west end
\$66,000	balance of the lake
<u>\$100,000</u>	contribution to silt reserve fund
\$466,000	

Revenue Sources

\$80,000	from boat permit fees
\$50,000	from hydroelectric generation ¹
<u>\$336,000</u>	4 cent tax levy for dredging (per \$100 of value) ²
\$466,000	

¹ Heavy rains bring sediments, but they also help us to generate power. The town has historically dedicated a portion of hydro revenues for the purposes of silt removal.

² At current property values, 1 cent in tax levy yields \$84,000 in revenues

End of proposed plan.

Open Action Items:

Open Actions	Owner	Update
Lakefront Owners / Contractors Pamphlet	Dean	Working with Valerie and Mark

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Open Actions	Owner	Update
Advertisements on Lake Regulations Brochure	Bill & Dan	
Lake Use Regulations Sections 1.52(A)	Dean & Derek	

Closed Action Items:

Closed Actions	Owner	Update
Dredging: multi-year strategy, plan and budget recommendations	Dean & Joe	Recommended plan drafted

Board Recommendations to the Council / Marine Commission:

Recommendation	Date	Status
Lake Commercial License Approvals and 10% increase in boat permit fees earmarked for dredging.	12/2/13	Enacted by the Marine Commission
Amendments to Lake Structures Regulations (clarifying the definition of marina and side lot line extensions)	1/6/14	Clint drafted amendments adopted by council 3/11/14
Allow a new fishing guide business to be added to approved Commercial License for 2014 (Jason Rice)	2/3/14	Marine Commission approved 4/8/14
Fishing Regulations to match state regs	3/3/14	Marine Commission approved 4/8/14
Lake Use Regulations Sections 1.51(E)(4) and 1.52(A)	4/7/14	Marine Commission to review 6/10/14
Dredging: multi-year strategy, plan and budget recommendations	5/5/14	Town Council to review during budget process