

## **WID TRUSTEE MEETING, July 22, 2008**

The meeting was held at the WID Dam Compound at 7:30PM. Those in attendance were:

Trustees – Charles deSeve, George McLennan, Pete Silvia; Trustee Emeritus – David Alne; WID Dir of Operations – Davis Grant; WID Staff – Brooks Wallace; WID Associates – Walter Cate, Pat DiVito, Luis Fernandez, Peter Finkel, Nancy Firestone, Gerry Mendenhall

Minutes of the previous meeting were approved as written.

### **Special Announcement:**

Brooks Wallace was introduced as the latest member of the WID staff. He was hired as part of the move to do dredging with in-house staff and resources.

### **Financial Report:**

This being the first meeting after the close of FY-09, George McLennan reported that the \$461,000 operations budget was met within \$500. This stellar achievement is a credit to the care with which Davis Grant manages our money. Next year's operations budget will be somewhat higher due to increased personnel costs. Balancing this increase will be a decrease in funds set aside for dredging the lake as a result of expected savings from the new in-house dredging program.

### **Engineering and Operation Director's Reports:**

See Davis' detailed report of the activities of the past three months, attached to these minutes.

The items of most importance are:

- We have received our six-year Operations and Maintenance certificate from the Virginia Department of Conservation and Recreation's Division of Dam Safety.
- The refurbished dredging equipment is working well and shows promise of enabling us to accomplish dredging with in-house staff and resources.
- The major project to restore the concrete surfaces of the dry face of the dam will kick off in August. Target for executing the restoration is summer and fall of 2010. The project is not expected to impact residents' use of the lake.

### **Other Matters:**

Nancy Firestone raised a question about fish spawning and how it might be affected by dredging. Davis responded that the WID will not dredge in spawning areas during spawning season.

### **Associate Opportunities:**

In an effort to obtain the best outcome for the community, the LBWID earnestly invites the active participation of any LBWID Associate or lake resident who has skills and/or knowledge in the areas of contracting and engineering services that can be applied to the dam face concrete restoration project. At this meeting, Luis Fernandez and Walter Cate stepped forward. Please contact Davis Grant (703-820-1300) [LBWID@vacoxmail.com](mailto:LBWID@vacoxmail.com) if you are willing to serve on the project team, or if you know of other Lake residents who might be recruited.

Respectfully submitted,



Peter A. Silvia, Secretary

## LBWID Operations Director Report

(May '09 – July '09)

### Engineering/Projects

#### Six year dam recertification inspection (final update)

- The recertification process for the Lake Barcroft dam has been successfully completed. The LBWID has received a new 6-Year Operation and Maintenance Certificate from the Virginia Department of Conservation and Recreation's Division of Dam Safety. This certification confirms that the dam meets the new, more stringent safety requirements without modification. Certificate expires on May 31, 2015.

#### Concrete restoration for the dam (update)

- As a major part of the 10-Year Dam Renovation Plan, the LBWID will soon be starting the project of resurfacing the concrete abutments at each end of the dam (specifically the dry side of the dam).
  - WID assessment increases of the past several years are expected to allow this project to be funded from accumulated savings.
  - The anticipated start time for the planning phase of this project is August of 2009.
  - Actual construction at the dam is expected to occur during summer and fall of 2010.
  - No impact is expected on residents' use of the lake during the construction period.

#### LBWID compound seawall installation (new)

- In June, the LBWID had 160 linear feet of seawall installed at the LBWID compound. The cost of the LBWID compound seawall project was \$21,000.00.

### Operations

#### Emergency Action Plan for the Dam (final update)

- The Emergency Action Plan for the Lake Barcroft Dam has been completed and filed with the Offices of Emergency Management for Fairfax County and The City of Alexandria. It is also on file with Virginia Department of Conservation and Recreation's Division of Dam Safety. The LBWID has received a new 6 Year Operation and Maintenance Certificate (see above). The Emergency Action Plan requires the LBWID to immediately notify Alexandria and Fairfax officials if hazardous conditions emerge at the dam that may endanger persons and/or property in our downstream watershed.

#### LBWID In-House Dredging Program and Equipment (update)

- LBWID has implemented its newly expanded in-house dredging program.
  - The refurbishing of the used dredging equipment that was purchased is complete. The equipment is working well.
  - The Beach 5 seawall has been replaced to improve its usability as an off-loading site for the in-house dredging program and to improve the overall aesthetic value of the beach area. The Beach 5 seawall project cost about \$37,000.00 and was completed in late May.
  - Having equipment to unload at Beach 5 (rather than the LBWID compound) has greatly improved the LBWID's ability to efficiently dredge the shallow areas of Tripps Run. The LBWID is expecting the same type of results on the Holmes Run side of the Lake once the construction of the off- loading site at Beach 3 is completed.
  - Beach 3 seawall modifications to allow for the unloading of dredge barges are underway and should be completed within two weeks. Cost will be about \$30,000.00. The new facility will

## WID TRUSTEE MEETING, July 22, 2008

also allow two party barges to tie up conveniently at Beach 3 when dredging operations are not underway there. This will provide better access for people with limited mobility.

- LBWID gratefully acknowledges Luis Fernandez for his assistance in helping the LBWID get the permit for the Beach 3 seawall.

### **New LBWID full-time employee (new)**

- In March, the LBWID hired Brooks Wallace as the newest full-time employee. Brooks will be managing the LBWID's in-house dredging program. Brooks brings to the LBWID almost 5 years of heavy equipment and construction management experience. Most of that time was spent managing excavation and trucking projects. Brooks will also be assisting the other LBWID staff with all other LBWID responsibilities.

### **Annual bathymetry survey of Lake Barcroft (new)**

- On June 30<sup>th</sup>, Princeton Hydro performed the annual bathymetry survey of the Tripps Run and Holmes Run ends of the lake. Except for the buildup above Swift Island and below the peninsula at Beach 5, water depths are unchanged from previous surveys.

### **Holmes Run stream bank/ gabion basket failure (new)**

- On June 16<sup>th</sup>, LBWID representatives met with representatives from Fairfax County's Stormwater Maintenance Division to survey the stream bank/gabion basket failure along Holmes Run above the Women's Club bridge, and to discuss how the County plans to repair the areas of concern. The stream bank/gabion basket failed during Tropical Storm Hanna in September, 2008.
- The County representatives informed the LBWID representatives that they intend to use heavy equipment to install large rock (rip-rap) to re-armour the stream bank in the areas where the gabion baskets failed. The LBWID recommended that the County properly size the rock so that future large storm events will not wash it downstream and into Lake Barcroft.
- The County thought that they would be starting the project within 3 to 6 weeks, weather permitting.

### **Alexandria Public Meeting to discuss Lake Barcroft Dam Inundation Mapping (new)**

- On June 24<sup>th</sup>, the LBWID Trustees and Operations Director attended a public meeting hosted by the City of Alexandria. Flood depth, timing, and flow velocity maps for severe storms were presented. The City officials also discussed how the City's emergency services would respond to a large flooding event; and how the city residents should prepare themselves.
- City officials accurately described the operation of our dam, including how the normal operation of the Lake Barcroft Dam does not cause or add to downstream flooding.

### **Tree removal from the lake (final update)**

- After careful consideration, the LBWID has increased tree removal rates to the following:
  - \$15.00 per inch of the circumference of the tree, measured at the point where it crosses the water edge, to remove the tree from the water.
  - \$200.00 minimum cost to the resident.
  - \$1,500.00 maximum cost to the resident.

### **LBWID assistance with revitalization of Women's Club Garden and pond (new)**

- During the summer of 2009, the LBWID will be assisting the LBA with revitalizing the Women's Club Garden and Pond by providing heavy equipment and operators several tasks.

Respectfully, *Davis Grant*, LBWID Operations Director