

# Vancouver Lake Watershed Partnership

## Question Bin



### Questions from 1/19/05 Meeting based on Lake and Flushing Channel Presentation:

#### Member Questions/Comments Regarding Watershed Area

- Is there upflow (ground water)?
- What is the outlook profile for Lake River and what can be done about the silting at the mouth of the river?
- How have the Columbia River levels changed historically?
- Why is the lake maintaining higher levels?
- What is the status of the dredging channels?
- How can we flush in the summer months?
- Need to define dynamics and problems, need to understand how the lake works.
- What are the bottom lines for decision makers?(answered at the meeting)
- Fresh Analysis
- How to obtain the GIS map from the Eagle Scout- (this map has been located and can be purchased, though the level of sophistication is not known)

#### Ideas to Consider for Implementation Plan

- Minimum lake depth
- Summer flushing improvements
- Dredging Lake River mouth
- Maintenance monitoring
- Minimal dredging at North end
- Watershed council

### Questions from 2/16/05 Meeting based on the lake (water quality) and Burnt Bridge Creek Presentation:

#### Member Questions/Comments Regarding Watershed Area

- Where is the phosphorous coming from?
- Can you test for naturally occurring phosphorous?
- Is BBC still contributing phosphorous? If so, how much?
- What are the various phosphate [phosphorous] contributors to the Lake? Can this be quantified?
- Effect of temperature of blue green algae blooms?
- What are the other pollutants?
- Would it do any good to address septic tanks?
- What percent of homes in BBC are still on septic?
- How many septic tanks within BBC Basin have been eliminated since 1982?
- If a septic tank fails before it gets to the sewer line what happens?
- What is the flow from Lake River into Vancouver Lake? Do the waters from the stream actually go into the Lake?
- Will improvements to BBC (sloping of flood plain etc.) change volume of flow of BBC to Vancouver Lake?
- How much historical data needs to be collected in order to establish what problems/trends exist for various factors?
- What is the ? of the BBC utility and the requirements of the 208 plan?
- Why don't we get current conditions assessed by a limnologist?
- Can we incorporate this process into a TMDL plan for BBC and Salmon Creek?
- How much sediment is coming from BBC to Vancouver Lake?
- What is happening with the revenue source?

#### Other requests were made by committee members for different pieces of information.

- Blue green algae - need to know more about it to understand effects and how to control it.
- More information about new science of shallow lake management
- More information on influence of ground water
- A fresh analysis of the lake area that included a current map and current biological make-up of the lake
- Suggested readings between committee meetings
- What can the community be doing?
- How can local youth be involved?

Continued ...

### **Questions from the Public**

- How do we differentiate between natural occurring and non-natural occurring phosphorous, how do you measure?
- How long until the septic tank elimination program is complete?
- Other pathogens origin?
- How does the flushing channel improve the blue-green algae problem when the graphs Ron showed indicate similar algae from 1982 and 2004?
- Did putting flushing channel in the location that it is in produce the desired results? Was there a better place for the channel to go?
- Is the data from the monitoring programs being routinely turned over to DOE to support trend analysis and TMDL study?
- What effect will dewatering of Columbia River dredge materials have on the Lake? 40 acre dewatering wells.
- How does the City maintain the vortex manholes? What is the volume that flows in these?
- How much time needed for Greenway completion?

### **Questions from 3/16/05 Meeting based on Vancouver Lake Shore, Salmon Creek and Community Perspectives on the Lake presentations:**

#### **Member Questions/Comments Regarding Watershed Area**

- What is the current impact that Salmon Creek has on Vancouver Lake?
- If there is an impact, what time of year does it occur?
- How much sediment goes into the Lake from Salmon Creek?
- How much does Chicken Creek contribute to the Lake?
- How significant is lawn for pollution in the lake?
- Is it possible for water from the Willamette River to flow into the lake?
- If the maintenance plan had occurred as it was suggested in the reports, what would be the case today?

### **Questions from the Public**

- Is Vancouver Lake considered to be a failure?
- Should the flushing channel be dredged?

### **Questions from 4/20/05 Meeting based on the Columbia River and Vancouver Lake ecology and habitat presentations:**

#### **Members Questions/Comments Regarding Watershed Area**

- Could fish farming be used to titrate chemical levels in the lake? Might pay for itself if it works.
- What are the impacts to the lake from the Alcoa smelter? Fluoride?
- Restoration methods? – would like presentation
- Are we looking at the minority community fishing?
- Volunteers to question fisher persons as to use of fish caught. Can they be used?
- Need more hydrology info on flows in flushing channel and Lake River.
- Willamette river influence on Vancouver Lake and Frenchman's Bar?
- Influence of Willamette River on water quality of Vancouver Lake?
- Flow profile stratification?
- Could we somehow establish volume of water that we could manage effectively and allow the rest to revert and develop for habitat enjoyment?
- Could we drain the lake, let the sediment stabilize and re-flood in controlled sections?
- Reduction of open water and creation wetland mosaic was interesting.
- Deep water dredging of existing lake – possible?
- Lake bottom sediment assessment –type, depth, quality
- Recreational use assessment
- Would you like summary paper of health department testing for e coli and blue green algae for 2003-4? Randy Phillips
- Lobby lobby!
- Water budget?

