Agenda

ENVIRONMENTAL SERVICES COMMISSION MEETING

450 - 110th Avenue NE (City Hall)
Conference Room 1E-113
Thursday 6:30PM
January 16, 2013
Regular Meeting

		Page No.	Action
1.	Call to Order – Brad Helland, Chair		
2.	Oral Communications Note: Three-minute limit per person, maximum of three persons for each side of topic. Additional comments may be heard at Agenda Item 8.		
3.	Approval of Agenda *	1	X
4.	Approval of Minutes *		X
	• December 19, 2013 Regular Meeting Minutes	2 – 10	
5.	Public Meeting - *Opportunity for public comment to Commission*		
	• NPDES Annual Report – Draft 2014 Stormwater Management Program Plan *	11 – 19	
6.	Reports & Summaries		
	• City Comp Plan Update (CPU) Stream Habitat & Materials Mgmt. Policies *	20 – 33	
	• Floodplain Management Briefing *	34	
	• Phantom/Larsen Lake Drainage Update *	35 – 58	
	• ESC Calendar/Council Calendar *	59 – 62	
7.	New Business		
8.	Director's Office Report		
9.	Continued Oral Communications		
10.	Adjournment		

* Materials included in packet
# Materials separate from packet

Wheelchair accessible. American Sign Language (ASL) interpretation available upon request by calling (425) 452-6466 (v) at least 48 hours in advance. Assistance for the hearing-impaired: Dial 711.

CITY OF BELLEVUE
ENVIRONMENTAL SERVICES COMMISSION
MEETING MINUTES

Thursday
December 19, 2013
6:30 p.m.

Conference Room 1E-113
Bellevue City Hall
Bellevue, Washington

COMMISSIONERS PRESENT: Vice Chair Swenson; Commissioners Cowan, Howe, Mach, and Morin[1]

COMMISSIONERS ABSENT: Chair Helland, Commissioner Wang

OTHERS PRESENT: Paul Bucich, Assistant Director, Engineering; Nav Otal, Director, Utilities; Emil King, Strategic Planning Manager

MINUTES TAKER: Laurie Hugdahl

1. CALL TO ORDER:

The meeting was called to order by Vice Chair Swenson at 6:30 p.m. Celebratory end-of-the-year refreshments courtesy of Paul Bucich were shared.

Commissioner Mach introduced his daughter who was in attendance as part of a school project.

Utilities Director Nav Otal explained that the Engineering Assistant Director position has been empty since Wes Jorgenson left in April. She announced that following an extensive recruitment process Paul Bucich had been selected as the new Assistant Director for Engineering. The Commission congratulated Paul Bucich on his new position. Mr. Bucich has agreed to staff the ESC meetings and be the main staff contact person until the Deputy Director position is filled.

2. ORAL COMMUNICATIONS

None

3. APPROVAL OF AGENDA

Motion made by Commissioner Mach, seconded by Commissioner Cowan, to approve the agenda. Motion passed unanimously (4-0).

[1] Aaron Morin arrived at 6:39 p.m.

4. APPROVAL OF MINUTES

November 21, 2013 Regular Meeting Minutes

Commissioner Cowan stated that he was not present at the November 21 meeting.

Motion made by Commissioner Mach, seconded by Commissioner Howe, to approve the minutes as amended. Motion passed unanimously (4-0).

5. REPORTS AND SUMMARIES

- ESC Calendar/Council Calendar

  Asst. Director Paul Bucich reviewed the ESC calendar. He pointed out that in January there will be an update regarding the Phantom/Larsen Lake Drainage issue. There will also be a public meeting regarding the 2014 NPDES Stormwater Management Program Plan. This document is being transmitted to the Commission for review. Additionally, Pam Maloney and Doug Lane will be coming to talk about the Wastewater System Plan in January. The only thing on the agenda for February is the final discussion and recommendations from the ESC on the 2014 Stormwater Management Program Plan.

  Vice Chair Swenson welcomed Commissioner Morin to the meeting.

  Referring to the Council Calendar, Mr. Bucich commented that Council would be awarding the AutoCAD to GIS Migration Contract and considering approval of a couple professional service agreements in January.

- Downtown Livability Project Briefing

  Emil King, Strategic Planning Manager from the City's Department of Planning and Community Development, gave an update on the Downtown Livability Project. He explained that he would be giving an overview of the project, discussing the forecast and the demographics relating to Downtown, commenting on stakeholder and public engagement to date, and reviewing specific code elements that are under review.

  In general, the Downtown Livability Initiative is an effort to update the Land Use Code in order to set the stage for future development. This is the most extensive update since the original 1981 Land Use Code. It incorporates elements from Downtown Transportation Plan Update and East Link planning. Much of the impetus for this project is that things have been changing dramatically in the Downtown area. It is becoming more of a place for people not only to work, but to recreate and to live. The notion of the "Live First, Work Second" philosophy is becoming more common. Cultural elements are incorporated into the plan as these continue to evolve in the

Downtown area. Mobility choices are also very important. There is a companion Downtown Transportation Plan Update that is happening which looks at all the different modes of transportation including how people come into and get around Downtown. The notion of "Green and Sustainable" reflects one of the Council principles. Another focus is how to make the Downtown area more memorable to people.

Commissioner Mach asked what triggered this movement. Mr. King stated that there has been interest in doing taller buildings in different parts of Downtown where they're not currently allowed. The Downtown OLB zone along the freeway is an old suburban zoning that was put in place as a placeholder because planners didn't really know what was going to happen there. Now that there is light rail coming it needs to be rethought because of its proximity to transit service and development opportunities. The number of residents in Downtown went from the hundreds in 1981 to over 10,500 residents currently. As there are more people living in Downtown there are different expectations regarding amenities and living environments. People are also living in different parts of Downtown such as the core area. He summarized that there is a lot of new thinking that has come around, and gradually the City has gotten to the point where there is enough to warrant a work program to look at all of this.

Mr. King referred to and reviewed some of the Council Principles in the packet on pages 18 and 19. These are a series of 12 principles approved by the City Council and which help guide the process. The principles are built upon the concept of "What's Changed" and what the related guiding principle might be.

There are three general categories of topical areas that staff has direction from Council to study. These include:

- Design Modules: building height and form, amenity incentive system, design guidelines, pedestrian corridor and open spaces, vision for DT-OLB District
- Connectivity Modules: Light Rail interface, Downtown parking
- Other Modules: Mechanical equipment screening, vacant sites and buildings, recycling and solid waste, vendor carts/mobile food trucks, permitted uses

Mr. King reviewed the study area. He compared a photo from the late 1970s with a current photo of Downtown. In the late 1970s there were 1,000 residents, 10,600 workers, 2,000,000 square feet retail, 1,100,0000 square feet office space, 1 high rise, 0 acres park land, and two school properties. Today there are over 10,000 residents, 43,300 workers, 4,500,000 square feet retail, 41 high rises and 25 acres of park land.

The Comprehensive Plan sets the general framework for Downtown. It contains the goals, vision, and policies that guide Downtown Bellevue. What the Livability Project is focusing on is the implementing policies through the Land Use Code and the associated Design Guidelines. The Transportation Plan Update is a companion effort that is nearing its completion. It will plan for multiple modes of travel including transit, vehicles, bicycles, and pedestrians looking out to 2030 to make sure that the forecasted growth can be accommodated with the transportation system.

The existing Land Use Map shows a diverse mix of office, retail, residential, hotel, cultural and institutional uses. Almost all of Downtown is walkable from the Transit Center/108th Avenue area in 10 minutes or less. There are primarily redevelopment opportunities within Downtown with a very small number of vacant sites. As the City plans for Downtown we need to keep in mind that all these categories and uses will continue to mix in the 410-acre Downtown area.

Growth forecasts and demographics drive a lot of the planning being done. The forecast growth for the 410-acre area is going from 43,300 current jobs to about 70,300 jobs by 2030. The population is expected to increase from 10,000 current residents to 19,000 or greater by 2030 in the Downtown area. Commissioner Cowan asked about the source of the population forecast. Mr. King stated that the forecasts are market-based forecasts. Vice Chair Swenson asked about estimated job forecasts at build-out capacity. Mr. King replied that rough estimates are that under existing zoning, the jobs would be about 86,000-88,000. On the residential side, the build-out estimate is 24,000-25,000.

Current Downtown projects under construction include Bellevue Square Southeast Corner, Park Metro/Evergreen, Marriot Hotel, SOMA Towers Phase I, Bellevue at Main, and Alley 111. These projects are already vested and are underway under their current permitting.

On a citywide basis, Bellevue is projected to grow from 57,700 housing units in 2010 to 74,200 in 2035. This represents an increase of 16,500 units over 25 years with 51% of that expected to be in the Downtown area. From a job growth standpoint, almost 50% of expected job growth is expected to be Downtown.

Demographic shifts were then reviewed. The median age of Downtown residents has gone down from 57 to 34 which is under the citywide median age. The percent of people who are 65% or older has shifted dramatically as a result of all the younger people moving in. The education level of people living Downtown has gone from 45% of people with a bachelor's degree or higher to 66%. This exceeds the citywide number. Minority residents have increased from 20% to 43%. In a nutshell, Downtown is becoming more like

the rest of the City. Stakeholders and public engagement included outreach efforts to residents in and near Downtown, tenants/employers, employees, visitors, developers and landowners, city-wide residents, business organizations, and regional interests.

Commissioner Mach asked if there are other statistics that are collected by the City. Mr. King indicated that the City has a presentation booklet called the *Changing Face of Downtown Bellevue* which tracks statistics related to Downtown. The City also does a project called the *Neighborhood Indicators Work* which includes 15 to 20 metrics such as crime, education level, housing affordability, foreclosure rates, etc. Mr. King offered to provide this to the ESC.

Mr. King reviewed the composition of the Advisory Committee which was appointed by Council earlier this year. There are 14 people; seven are from City boards and commissions, and the others are from the Bellevue Downtown Association, Chamber of Commerce, business, architecture, and residential interests. Meeting number 7 was held on December 18. At the next monthly meeting in January the Advisory Committee will be identifying some alternative approaches and strategies to the different topical areas. Staff will be encouraging people to either come to the meeting or write in comments ahead of time.

Mr. King explained that the overall process for a project like this starts with project scoping, review of Land Use Code audits, identification of the range of alternatives, analysis of alternatives, identification of preferred alternatives, development of final recommendations, Planning Commission review, and Council adoption process. Currently this project is at the identification of the range of alternatives step. Once those are identified, the alternatives will be evaluated in order for the Committee to make an informed set of recommendations.

Staff has done a quite a bit of public engagement for this project with a kick-off open house, focus groups in the spring, walking tours, and comment cards. The Land Use Code "Audits" was an important piece to set the foundation to help diagnose what was working, not working and where the opportunities for improvement are.

<u>Topics for consideration:</u>

Building Height and Form: Should the building heights and their urban form be modified to better achieve the Downtown vision? Some modest increases in the center of Downtown are likely to be considered.

Amenity Incentive System: How should the current System be updated to integrate new thinking about desired Downtown amenities? There is a system

to work through that has a defined set of amenities that gets a developer from doing a small, shorter building to being able to do a much larger, taller building. These include amenities and ratios such as pedestrian-oriented frontage, landscape features, sculptures, underground parking, and major public open space. There are new amenities that are being proposed to include on the bonus list.

Design Guidelines: How can our design guidelines be refined to improve the character of Downtown? And also provide a balance between predictability and flexibility? One of the ideas that has come up through the 2004 Update to the Downtown Plan is the idea that there are distinct neighborhoods such as Old Bellevue, Ashwood, Bellevue Square, Northwest Village, City Center, City Center South, City Center North, East Main, and Convention/Civic.

Pedestrian Corridor: What can we do about the missing pieces in the corridor? Have the pieces that have been built resulted in a space that is memorable for visitors to Downtown? The Pedestrian Corridor stretches from the front door of Bel-Square all the way to City Hall and Meydenbauer Center. Parts of the corridor are constructed and working to varying degrees, but there are a lot of sections that have yet to redevelop as the pedestrian corridor gets built as the adjacent development gets built. People have brought up the idea of having more weather protection, having more flexibility for doing events such as seating, and having more uses that enter right onto the pedestrian corridor.

Public Open Spaces: The Comprehensive Plan calls for a couple new neighborhood parks. In addition to those formal park properties, what else can we do through new development to create plaza and open spaces that help add to the urban environment?

Light Rail Interface: The City Hall block is the location of the primary Downtown station. Do we want to have any zoning increases around the station? Are there uses we really want to encourage to happen right around the station? How can pedestrian connectivity be enhanced?

Vision for DT-OLB District: This is the area right along the freeway, on the other side of 112th Avenue up until I-405. The Committee will be looking at the land use character, heights, densities, and the permeability of this area.

Parking Resources: Downtown parking is a huge issue. The Committee will be looking at a number of elements including the public and private supply.

Mechanical equipment: As more people are living in high rises and looking down on buildings, there are more comments about what the tops of buildings look like. How can we screen things and consolidate it more so it is more attractive?

Vacant sites and buildings: How can we screen or otherwise treat vacant sites or buildings during interim periods?

Recycling and solid waste: The focus groups had a lot of comments about the frequency and noise of dumpsters for the residents. Are there innovative approaches to storing and emptying dumpsters?

Range of permitted uses: Are there new uses that we want to be thinking about Downtown that aren't currently mentioned in the Land Use Code?

Vendor carts/food carts: Is there a middle ground where vendor carts/food carts are allowed, but have the set of regulations that respond to issues raised during the focus groups?

Commissioner Comments and Questions:

Commissioner Morin asked if there is more of a focus on private parking as opposed to public parking. Mr. King replied that the Land Use Code dictates minimum and maximum parking ratios. Looking at the volume of new parking that the Downtown will get over the next 20 years, the vast majority of that is going to be privately built parking in private developments. There has been interest by the Committee to study public parking garages that would be primarily for short-term parking. While public parking is important, from a volume standpoint, the biggest influence will be from the private supply.

Vice Chair Swenson asked if the Advisory Committee is looking at requiring or incentivizing non-physical elements such as outdoor eating areas, water features, sitting areas, etc. Mr. King replied that this has come up the most in discussions about the Pedestrian Corridor, open space, and the incentive system. He agreed that it is more about the activities that are being encouraged than the actual design. With the incentive system, there was discussion about trying to encourage "third places" which are places that are not work or home, but are the third place you want to go.

Vice Chair Swenson referred to the string of parks along NE 12th Street and asked if that concept is being looked at anywhere else around the edges of the Downtown area. Mr. King replied that just south of Main Street the City is hoping to incorporate more of that idea. He reviewed the proposed path of Sound Transit in that area. Vice Chair Swenson then asked about providing other pedestrian-oriented trails coming into Downtown such as 108th Avenue NE. Mr. King noted that when the Advisory Committee gets into the Design Guidelines they will be thinking about how Downtown can have more graceful transitions between it and the surrounding neighborhoods in order to draw in people who live in this area.

Commissioner Cowan asked about the location of the proposed height increases. Mr. King responded that staff is expecting direction on January 15 from the Advisory Committee. He noted that the Committee has shown interest in looking at the areas where 450-foot buildings are already allowed, which is in the center of the Downtown area.

Commissioner Cowan asked about the timeframe on light rail. Mr. King replied that it is at about 60% design right now. Construction activity is expected to begin in 2015. Sound Transit is currently in the process of acquiring the properties needed for the project. The City has not received the phasing plan yet, but the opening date is planned to be 2023. Finally, Commissioner Cowan asked about the schedule of Meydenbauer Bay Park. Mr. King explained that the Meydenbauer Bay Park Master Plan has gone through its process. Staff is looking at the qualifications to do the design for funded Phase 1 of construction.

Commissioner Morin referred to people's concerns about the rooftops. He asked if the Advisory Committee is considering purely aesthetic changes to rooftops or also environmental considerations such as gardens. Mr. King replied the Committee is definitely thinking about the aesthetics, but developers are also thinking about incorporating different uses and more green space. Staff has toured buildings in Seattle that have interesting rooftops.

Vice Chair Swenson asked when the Northtowne neighborhood group meeting would be. Mr. King replied that it would be on January 23.

- Transmittal of the Draft 2014 NPDES Annual Report

Mr. Bucich referred to page 20 which is a cover memo that talks about the Draft 2014 NPDES Annual Report and the Public Review Schedule. It was noted that the actual Report was not in the packet, but it would be transmitted to the ESC prior to the next meeting. Mr. Bucich stated that the Council Study Session Item notes were included in the ESC packet.

Mr. Bucich pointed out that a memo from him and Brian Ward regarding the 2012 Draft Storm and Surface Water System Plan was in the packet. He explained that recently the Council approved a new policy that directs staff to update the Storm System Plan every ten years or two NPDES permit cycles. This allows staff to make sure that the documents they are working with are relatively current and up-to-date with all the codes and policies across the Utility for Storm Water across the City. Staff also plans to look strategically at what issues the Storm System Plan should be addressing and to get approval through the Council of those items of focus.

In the packet there was also a briefing memo from Kit Paulsen about the Shoreline Master Program Update. A week ago the Planning Commission

recommended some changes to Land Use Codes. One of those was a recommendation to change the allowed uses in the flood plain which means individuals and developers could now build in the flood plain. This does not currently affect the flood plain regulations in the City of Bellevue because those are embedded in the Critical Areas Ordinances and come from FEMA. Staff is monitoring the action taken by the Planning Commission and will brief the ESC as more is known.

6. NEW BUSINESS

None

7. DIRECTOR'S OFFICE REPORT

None

8. CONTINUED ORAL COMMUNICATIONS

None

9. ADJOURNMENT

The meeting was adjourned at 8:00 p.m.

City of Bellevue

MEMORANDUM

	Action
X	Information
X	Discussion

DATE: January 16, 2014

TO: Environmental Services Commission

FROM: Phyllis Varner, NPDES Permit Manager, Utilities

Paul A. Bucich, P.E., Assistant Director Engineering, Utilities

SUBJECT: Public Meeting on the NPDES 2014 Stormwater Management Program Plan

Commission's Role

No action is required by the Commission tonight. The Commission will be asked to take action at the February 20th ESC meeting to transmit to City Council the public meeting comments, if any, and Commission comments and recommendation for submittal of the 2014 SWMP Plan to Ecology.

Public Meeting

Tonight, the Commission will host a public meeting on Bellevue's draft 2014 Stormwater Management Program Plan (SWMP Plan). The SWMP Plan describes the actions the City will take in 2014 to implement the requirements of the new federal NPDES[1] Municipal Stormwater Permit. Staff will make a presentation about the SWMP Plan prior to the public meeting.

The Permit requires that the public have an opportunity to comment on the Permit's Stormwater Management Program Plan. Although prescriptive, there are some opportunities during the permit term for public comment to influence how certain requirements are implemented. The public also has opportunities throughout the year to comment on Bellevue's stormwater programs that are not Permit requirements (such as the Storm Capital Improvement Program, flood response, etc.).

A new 5-year Permit took effect on August 1, 2013 and its requirements are phased in over the permit term and affect programs citywide. This is the first SWMP Plan prepared under the new Permit. Overall permit management is provided by the Utilities Department with oversight from a citywide Steering Committee reporting to the City Manager's Office.

A copy of the draft SWMP Plan was provided to Commissioners at the December 2013 meeting and made available to the public on the City's website at: http://www.bellevuewa.gov/stormwater-runoff-management.htm. A memorandum was also provided to the Commission in December that includes the public review schedule for the SWMP Plan and information on the NPDES Permit. It is attached for background information.

[1] NPDES = National Pollutant Discharge Elimination System Permit (NPDES). The nationwide NPDES Permit Program is a requirement of the federal Clean Water Act. Permit authority was delegated by the federal Environmental Protection Agency (EPA) to the state environmental agencies which is the Department of Ecology in Washington.

___ Action

_X_ Information

___ Discussion

Date: December 19, 2013
To: Environmental Services Commission
From: Phyllis Varner, NPDES Permit Manager, Utilities
Paul Bucich, Engineering Assistant Director, Utilities

Subject: Transmittal of Draft 2014 NPDES Annual Report and Public Review Schedule

Transmittal

Bellevue's draft 2014 NPDES[1] Annual Report will be provided to you in your desk packet at this meeting. The NPDES Western Washington Phase II Municipal Stormwater Permit requires permittees to submit a report to the state Department of Ecology by March 31 of each year of the permit term. The NPDES Annual Report generally consists of a Compliance Report, which documents the City's Permit compliance activities for the preceding calendar year, and a Stormwater Management Program (SWMP) Plan, which summarizes the actions to be implemented by the City in the coming year to assure continued compliance with the Permit.

Ecology is not requiring permittees to submit a (2013) Compliance Report with the 2014 Annual Report because 2013 was a transition year between the first and second Phase II permits. Therefore, the report contains only the 23-page 2014 SWMP Plan. Copies of the report are available to the general public on the City website at: http://www.bellevuewa.gov/stormwater-runoff-management.htm.

A copy of a briefing provided to City Council on the new NPDES Permit is attached to this transmittal for background information.

Public Review Schedule

The public review schedule for the draft 2014 NPDES Annual Report is:

January 16	ESC	Presentation, public meeting, and discussion of the Report
February 20	ESC	Commission takes action by transmitting to City Council the public meeting comments, if any, and Commission comments and recommendation for submittal of the Report to Ecology.
Early March	City Council	Council will review the 2014 NPDES Annual Report and the Commission's transmittal and recommendation and be asked to pass a resolution authorizing the City Manager to sign and submit the report by the March 31, 2014 permit deadline.

[1] NPDES = National Pollutant Discharge Elimination System

City of Bellevue

MEMORANDUM

_____ Action
_____ Direction
_X_ Information

DATE: January 16, 2014

TO: Environmental Services Commission (ESC)

FROM: Paul Andersson, Environmental Stewardship Initiative Program Administrator, CMO

SUBJECT: Comprehensive Plan Update on Stream Habitat and Materials Life Cycle Management

Action Required at this time

No Action is requested from the Commission at this time.

Fiscal Impact

None at this time.

Policy Issues

None at this time, however staff are working on drafting Comprehensive Plan concept policies based on this information and these will be brought back to the ESC at a future date.

Background

On October 22, 2012 the Bellevue City Council initiated the 2014 Comprehensive Plan Update. This update is a major, ten-year review of the community's plan for the next twenty years. It is the time to think and plan for future generations in Bellevue. The city's boards and commissions play a vital role in the launch of the Bellevue Comprehensive Plan update project.

At a joint boards and commissions forum in January, 2013, to kick-start the Comprehensive Plan Update project scoping efforts, participants cited incentivizing green construction, increasing transportation options, enhancing the tree canopy to improve air quality and the resiliency of ecosystems, and, continuing efforts to improve water quality and fish habitat by restoring streams and natural habitat as means to reinforce the "City in a Park" vision[1].

City staff spent several months gathering more input on a range of issues from Bellevue citizens. Using public meetings, an online "Best Ideas Campaign," and other public input techniques, a variety of environmental themes continued to emerge that were of high importance to the community.

A follow up Forum for boards and commissions, specifically on the topic of Environmental Stewardship and Comprehensive Plan updates, was hosted by city staff on November 19, 2013. Board and commission members were presented with more information about the key emerging issues and any current gaps in the Comprehensive Plan. The objective of the evening was to receive input from board and commission members to help guide next steps in developing Comprehensive Plan policy updates relative to these topics.

The environmental stewardship topics discussed by the commissioners and board members included:

1. Natural Environment – Tree Canopy & Stream Habitat
2. Waste Reduction
3. Healthy Mobility Infrastructure
4. Greener Buildings
5. Greenhouse Gas Emissions

Each topic included a brief staff presentation describing:

1. What is Bellevue currently doing (through the Comprehensive Plan and other programs)?
2. How well is it working?
3. What are other cities or agencies doing in this regard?

After hearing more about the 'lay of the land' related to each topic in Bellevue, attendees were asked to respond to a high level survey question using individual hand-held audience response clickers. The results of the survey were displayed on the screen and attendees were then asked to document their thoughts on paper and discuss with the other individuals within table groups. All survey and discussion feedback was anonymous.

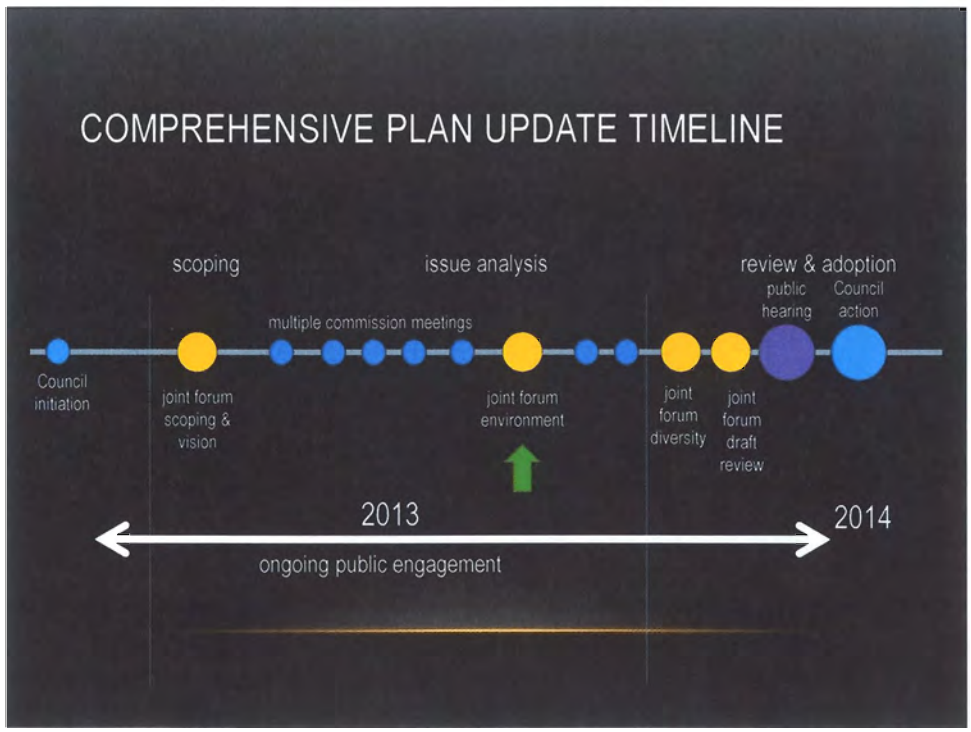
After the November Forum, the Environmental Services Commission expressed interest in discussing the topics of Stream Habitat and Waste Reduction in greater depth. Staff have taken the results of the joint forum and begun drafting concept policy language to help inform this discussion. This information will be presented during the ESC meeting and is attached in slide format for reference.

Attachment

Powerpoint slides to be presented during ESC meeting - recap, summary of attendee responses, and next steps related to Environmental Stewardship Forum.

[1] http://www.bellevuewa.gov/pdf/PCD/2014_CPU_Joint_Report_Boards_and_Commissions_Forum_1_24_13.pdf

CITY OF BELLEVUE
COMPREHENSIVE PLAN UPDATE
ENVIRONMENTAL STEWARDSHIP REVIEW
Environmental Services Commission
January 16, 2014


COMPREHENSIVE PLAN UPDATE TIMELINE
scoping
issue analysis
review & adoption
public hearing
Council action
multiple commission meetings
Council initiation
joint forum scoping & vision
joint forum environment
joint forum diversity
joint forum draft review
2013
2014
ongoing public engagement

OBJECTIVE

Receive input from board and commission members to help guide next steps in developing Comprehensive Plan updates relative to environmental stewardship.

SELECTION CRITERIA:

- Community feedback
- Substantial developments in the field
- New countywide or multicounty planning policies
- Multiple bodies required to weigh in

NATURAL ENVIRONMENT - OVERVIEW

Topics:

- Tree Canopy
- Stream Habitat

"...key concerns involved maintaining and enhancing tree canopy, water and air quality, and access to recreation."
- January 24 Joint Forum

"...Kids like to play in nature; studies show that trees and green space positively impact mental health and even decrease crime.!"
- Best Ideas Campaign

STREAM HABITAT – WHAT IS BELLEVUE DOING?

Comp Plan Policies

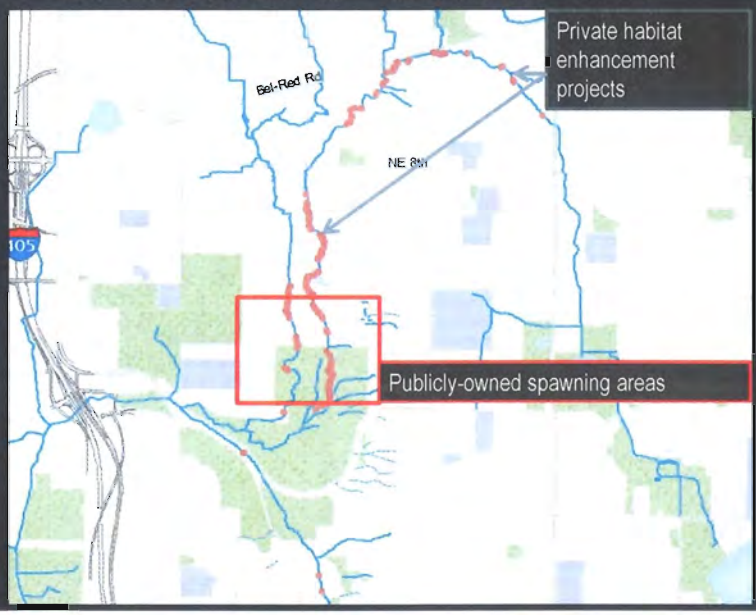
Many Existing Comp Plan Policies (EN41, EN59, EN61, EN62, EN63, EN77)

Regulations are mostly preventative, not restorative

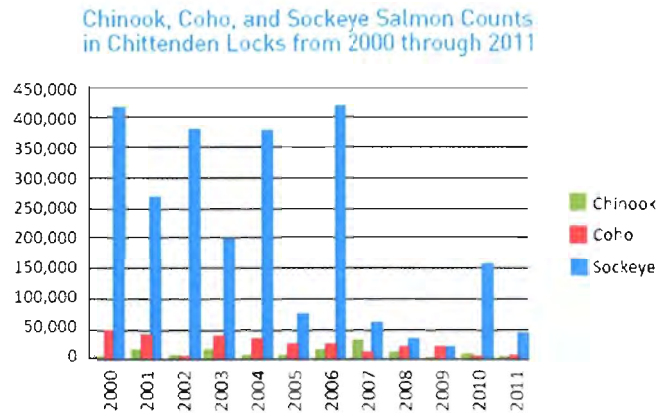
Programs & Actions

- Barrier removal & restoration
- Stream Team
- Quality testing
- Bel Red stream day-lighting
- Private homeowner restoration

STREAM HABITAT – CURRENT STATE



STREAM HABITAT – CURRENT STATE



Source: Anchor QEA, LLC prepared for Bellevue Utilities Staff (April 2012) "2011 Salmon Spawner Surveys Kelsey Creek, West Tributary, Richards Creek, and Coal Creek Bellevue Salmon Spawner Surveys" pg 28

STREAM HABITAT – WHAT OTHERS ARE DOING

Federal Way – Public/private partnerships

Kirkland – Restoration grants for private land

Issaquah – Targeted acquisitions

SURVEY:
BELLEVUE SHOULD STRENGTHEN COMP PLAN POLICIES FOCUSED ON RESTORING STREAM HABITAT ON PRIVATE LAND?

1. Strongly Agree
2. Agree
3. Neutral
4. Disagree
5. Strongly Agree

SURVEY:
BELLEVUE SHOULD STRENGTHEN COMP PLAN POLICIES FOCUSED ON RESTORING STREAM HABITAT ON PRIVATE LAND?

Survey response:	Response as a % of responders
Strongly Agree	38%
Agree	8%
Neutral	38%
Disagree	8%
Strongly Disagree	8%

WRITTEN RESPONSES

Does the public have an interest in protecting and restoring tree canopy and salmon stream habitat?

Yes: 12 No: 0

If yes, how strong is that interest on a scale of 1-10, with 10 being the strongest?

Average Score: 8.07

What kinds of government actions will best advance the public's interest?

Prompt	Responses as a % of responders
City government leads by example	73%
Provide information/education to public	100%
Work in public/private partnership	80%
Set goals and targets	67%
Develop an action plan	60%
Provide grants or incentives	80%
Regulatory approach	60%
Other (please describe)	47%

ATTENDEE QUOTES

- "City should be more proactive regarding meeting appropriate goals for both these issues."
- "Agree in tree canopy, but need options not prescriptive regs needed, but incentives focus citizen look to government to partner with; need to work w/private owners; fee in lieu for people who don't want to plant on own land. Arbor Day type effort - KCD - more education schools."
- "One tree gone, at least one tree planted; partner w/private owners to work on streams; target acquisitions"

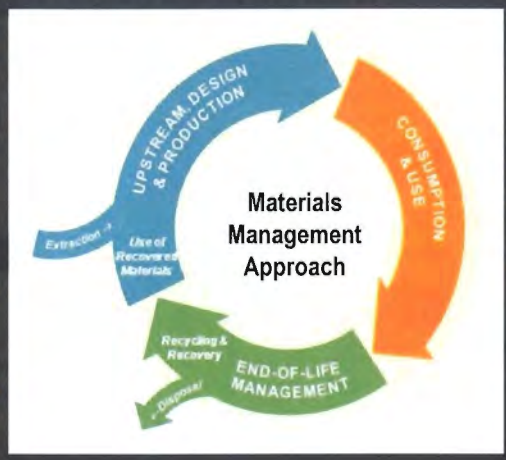
SAMPLE POLICY LANGUAGE – STREAM HABITAT

1. Pursue restoration of stream habitat on private lands in partnership with private landowners. Prioritize restoration of habitat that is critical to spawning, endangered species, [other criteria to consider].
2. Establish goals and targets for aquatic habitat restoration in streams throughout Bellevue.
3. Develop prioritized strategies or an action plan to identify and sequence actions necessary.

WASTE REDUCTION - OVERVIEW

"Bellevue must take part in the effort to end the distribution of plastic carry-out bags from all retail stores..."

"Provide smaller garbage cans & give incentives to residences for using a reduced garbage can..."



"The City of Bellevue must take a stance by ending all government spending on bottled water..."

- Bellevue Best Ideas

WASTE REDUCTION – WHAT IS BELLEVUE DOING?

Comp Plan Policies

"reduce waste, reuse and recycle materials, and dispose of all wastes in a safe and responsible manner" (EN6, UT14)

"promote the use of products manufactured from recycled materials" (EN5)

Programs & Actions

Residential recycling and organics pickup

Business outreach programs

Used cooking oil depot

Improved service contract, 2014

WASTE REDUCTION – CURRENT STATE

68% - single family waste diversion rate

19% - multi family waste diversion rate

No data on business community

22% of commercial garbage in Washington is food

The US consumed **57%** more materials in **2000** than in **1975**

41% of materials used in the U.S. were renewable in 1900; **6%** in 1995

National statistics from Oregon DEQ. http://www.deq.state.or.us/lq/pubs/docs/sw/2050vision/WhatIsMaterialsManagement.pdf

WASTE REDUCTION – WHAT OTHERS ARE DOING

San Francisco:

Exceeded target of **75%** waste diversion

New target **of zero waste** by 2020

King County - **Life cycle costing**

Material **bans & restrictions**

Waste = value

Realizing **cost, energy, & fuel savings**

SURVEY:
BELLEVUE SHOULD ADOPT COMP PLAN POLICIES THAT ESTABLISH A "MATERIALS MANAGEMENT" APPROACH TO PROCUREMENT, WASTE REDUCTION AND RECYCLING?

1. Strongly agree
2. Agree
3. Neutral
4. Disagree
5. Strongly disagree

SURVEY:
BELLEVUE SHOULD ADOPT COMP PLAN POLICIES THAT ESTABLISH A "MATERIALS MANAGEMENT" APPROACH TO PROCUREMENT, WASTE REDUCTION AND RECYCLING?

Survey response:	Response as a % of responders
Strongly Agree	46%
Agree	38%
Neutral	8%
Disagree	8%
Strongly Disagree	0%

WRITTEN RESPONSES

"Does the public have an interest in moving beyond traditional waste reduction practices?"

Yes: 12 No: 0

If yes, how strong is that interest on a scale of 1-10, with 10 being the strongest?

Average Score: 8.38

What kinds of government actions will best advance the public's interest?

Prompt	Responses as a % of responders
City government leads by example	85%
Provide information/education to public	92%
Work in public/private partnership	62%
Set goals and targets	85%
Develop an action plan	85%
Provide grants or incentives	62%
Regulatory approach	54%
Other (please describe)	38%

ATTENDEE QUOTES

"The City should promote policies that encourage environmentally conscious waste reduction practices and should include policies that prevent the creation of waste products in the first place."

"Businesses should be recycling food. City should provide a larger compost for those that request it.

"Bottled water tax, maybe even a ban, probably a state-level effort; unlimited compost for commercial; small curbside waste containers should be incentivized, unlike the next SW contract; block rates for SW disposal/incentives for recycling; Promote degradable packaging and materials."

SAMPLE POLICY LANGUAGE – LIFECYCLE MATERIALS MANAGEMENT

1. *Add* to POLICY EN-28. Utilize *life cycle cost analysis* and best management practices and technology in city projects and procurement to achieve effective environmental stewardship and long-term fiscal responsibility.

1. Establish goals and targets for waste diversion and an action plan for meeting them.

City of Bellevue

MEMORANDUM

_____ Action
_____ Direction
__X__ Information

DATE: January 16, 2014

TO: Environmental Services Commission

FROM: Brian Ward, P.E., Watershed Planning Team BW

Paul A. Bucich, P.E., Assistant Director of Engineering PAB

SUBJECT: Floodplain Management in Bellevue

For the January 16th, 2014 Environmental Services Commission (ESC) meeting, there will be a presentation about floodplain management in the City of Bellevue. With recent activities and discussion surrounding floodplains and critical areas regulations, Utilities would like the ESC to have a strong understanding on federal FEMA regulations focused on floodplain management and how Bellevue has adopted federal standards and regulatory requirements and the practical applications of floodplain management in our community.

Staff will explain the role floodplains serve in surface water management, how they are defined, regulations affecting them, and the National Flood Insurance Program—a federal program to provide flood insurance in participating communities in exchange for floodplain development regulations.

The presentation will focus on how Bellevue integrates existing surface water management programs and initiatives into long-term flood protection, environmental benefits and discounted insurance rates for businesses and residents.

City of Bellevue

MEMORANDUM

_____ **Action**
_____ **Direction**
X **Information**

DATE: January 16, 2014

TO: Environmental Services Commission (ESC)

FROM: Paul A. Bucich, P.E., Assistant Director of Engineering

SUBJECT: Phantom Lake Update

Action Required at this time

No Action is requested from the Commission at this time.

Fiscal Impact

None at this time. Work conducted is within existing funding and program descriptions.

Policy Issues

None at this time, however future issues may be brought forward depending on community engagement.

Background

In May of 2013, staff presented the results of an investigation into the Phantom Lake and Larsen Lake drainage systems. The investigation proposed a path forward for conducting field activities on city owned infrastructure as well as recommendations for continued engagement with the residents surrounding Phantom Lake.

Tonight you will hear from staff on what activities have been completed in 2013, what is anticipated for 2014, and the results of an on-line survey of residents of Phantom Lake. Hard copies of the survey results, both in a final report as well as the actual on-line survey data without analysis, have been provided in your packets for review prior to the meeting. The survey data includes comments submitted in their raw form which can reveal interesting residents' perspectives without filtering. The survey response was 60%, however, we identified post survey that a couple of residents around the lake were inadvertently left off the survey mailings– in one case the names were the same on the address (father and son) with different middle initials so it was thought there was a duplicate in the mailing list. In conversations with the Phantom Lake Homeowners Association Board where concerns were expressed about how the city would use this information and that some residents did not have the opportunity to participate, city staff have explained that this omission will not affect the city's intended engagement plans nor will it be used to draw conclusions leading to management actions.

Additional information will be shared with the Commission at the meeting.

Attachments:

Phantom Lake Homeowners Survey November 2013

Topline Data Phantom Lake

CITY OF BELLEVUE/ PUBLIC WORKS

PHANTOM LAKE HOMEOWNERS SURVEY

November 2013

ELWAY RESEARCH, INC.

CITY OF BELLEVUE / PUBLIC WORKS

Phantom Lake Homeowners Survey

Nov 2013

TABLE OF CONTENTS

1. Introduction 1
   - Methods 2
   - Respondent profile 3
2. Key Findings 4
3. Summary of Findings 5
4. Discussion 11

CITY OF BELLEVUE

Phantom Lake Homeowners Survey

Nov 2013

INTRODUCTION

This report presents the findings from a survey of Phantom Lake homeowners. The research objectives were to:

- Determine how homeowners used the lake;
- Evaluate their perceptions of the health of the lake;
- Understand their primary concerns about the future of Phantom Lake.

The survey was conducted using a web-based questionnaire. Letters were mailed to 50 homeowners around the lake, inviting them to go on-line and complete the survey. Some 28 people completed the survey online, and 2 returned printed questionnaires.

The findings are represented here in graphic format for clarity of presentation. It is important to keep in mind, however, that the small sample size means that these results are not projectable to the larger population with statistical reliability. What cannot be known, of course, are the opinions of homeowners who chose not to respond. Nevertheless, these results do represent the opinions of 60% of Phantom Lake Homeowner, so they provide useful insight into the opinions and behavior of Phantom Lake homeowners. A reasonable reading of these results would be that they represent the opinions of homeowners most likely to be engaged in the issue.

The survey was designed and administered by Elway Research, Inc. in close collaboration with the Phantom Lake Homeowners Association and the City of Bellevue Utilities Department.

METHODS

SAMPLE:	Phantom Lake Homeowners
TECHNIQUE:	On-line Survey
FIELD DATES:	October 25 thru November 18, 2013
DATA COLLECTION:	The Bellevue Utilities Department mailed letters to 50 homeowners around Phantom Lake asking them to log on to the on-line questionnaire maintained by Elway Research. A total of 30 people completed the survey, 28 on line and 2 completed and returned a paper version. That computes to a completion rate of 60%.
DATA ANALYSIS	The results are presented in graphic format. The results displayed in these charts are raw numbers of respondents answering each question.

It is important to keep in mind that the results presented here represent only the opinions of the people who answered the questions at the time they did so. The small population and number of respondents makes projection of these results to the total population of Phantom Lake homeowners statistically unreliable. That is, had all 50 homeowners responded, the answers could be significantly different.

RESPONDENT PROFILE

In interpreting these findings, it is important to keep in mind the characteristics of the people actually interviewed. This table presents a profile of the 30 respondents in the survey.

Note: Here and throughout this report, the numbers represent the actual number of people giving each response.

MEMBER OF HOMEOWNERS ASSOCIATION:	24	Yes
	5	No
YEARS LIVED ON PHANTOM LAKE:	8	0-10 yrs
	6	11-20 yrs
	9	21-30 yrs
	8	30+ yrs

KEY FINDINGS

- **Lake is widely used**
  - At least 28 in 30 homeowners actively use the lake in some way
  - At least 22 do each of the following:

    Boat or fish
    Watch wildlife
    Sit or picnic
    Swim

- **Broad concerns about lake's health**
  - 26 mentioned some "pressing concern" in response to an open-ended question. lead by concerns about
    Water level (6 responses) and
    Vegetation (6 responses)
  - When asked to grade lake's overall health, water quality, and water clarity, respondents averaged a C-minus
  - Of 8 problems asked about, 6 were considered a "serious" or "minor" problem by at least 28 homeowners

- **About half "willing to take action" to address concerns**
  - 17 of 30 said they were "willing to take some action to help address any of [their] concerns with the lake."
  - Another 10 said they may be willing
  - Willingness to take action went down with tenure on the lake.

    When asked if they would be willing to take some action to address problems with the lake...

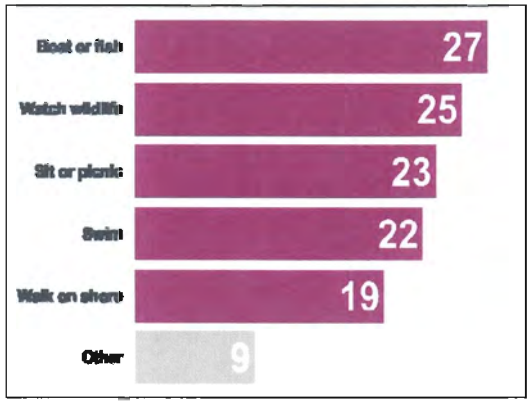
    Those saying "Yes" lived at Phantom Lake an average of 20 years
    Those saying "Maybe" lived at the lake an average of 23 years
    Those saying "No" had lived an average of 36 years

FINDINGS (NUMBERS IN GRAPHS ARE COUNTS OF RESPONDENTS)

Lake Activities

Which of the following have you done in the last year?

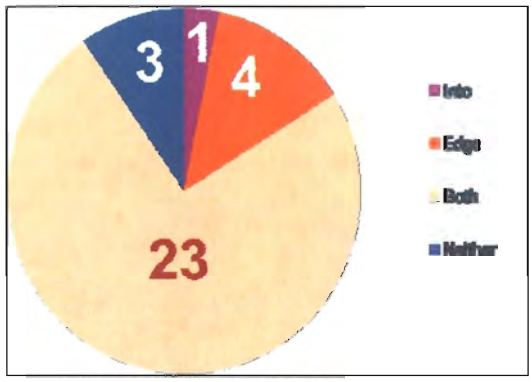
- "Other" activities included beach fires, tennis, and watching fog



Use of Lake

Do you go to the lake edge or into the lake on a regular basis?

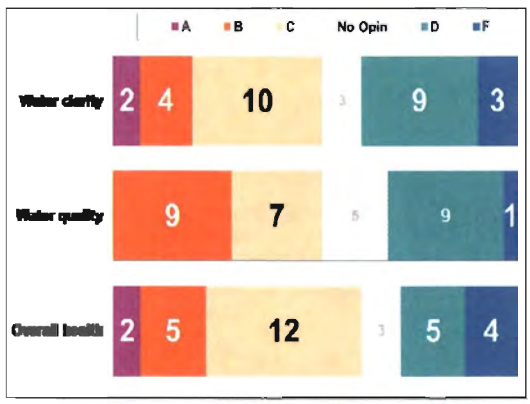
- 24 go into the lake
- 27 go to the lake edge



Grading the Lake

How would you grade the following?

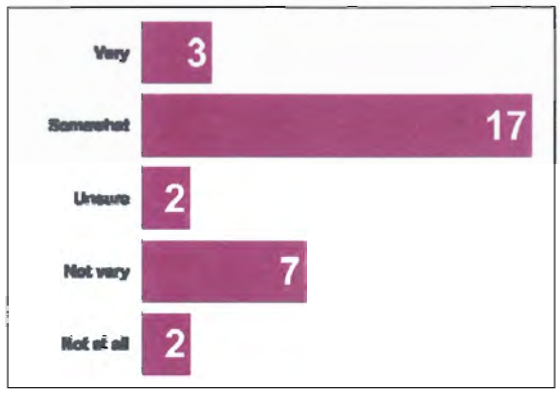
- Average grades for each (4.0 scale):
  - **Water Quality: 1.91**
  - **Overall Health: 1.84**
  - **Water Clarity: 1.73**



Lake Health Knowledge

How knowledgeable do you feel about the health of the lake?

- Majority feel at least somewhat knowledgeable
- Only 1 in 10 said they were "very knowledgeable"



Most Pressing Problems

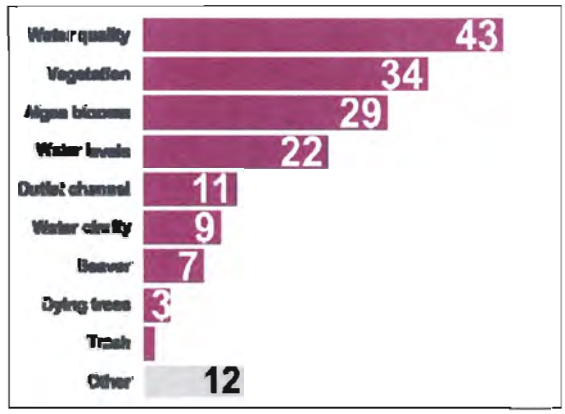
The next few questions are about any concerns you may have with Phantom Lake. For each of the following, indicate whether it is a serious problem, minor problem, or not a problem.

- Ranked in chart in order of those answering "serious"

Importance

Please rank the top three issues in order of their importance to you.

- Score is a weighted calculation. A #1 ranking =3 points, #2 = 2 points, #3 = 1 point. The score in the graph is the total of ranking points times the number of respondents who gave each ranking.



"Pressing Concerns"

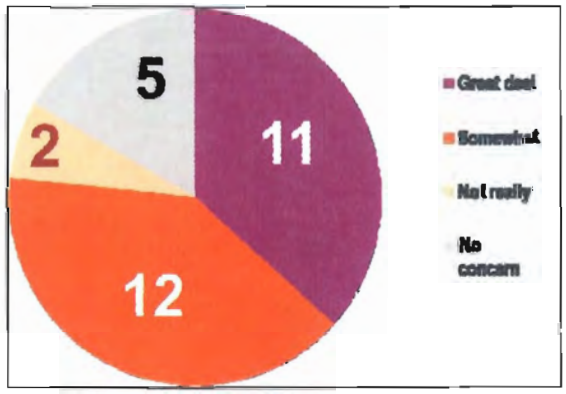
Do you have any pressing concerns about Phantom Lake?

- The question was open ended, which means responded wrote short essay type answers. The responses were categorized after the fact. This table indicates the number who responded in each category
- The verbatim responses are listed on the next page

- **Water quality** (7 respondents)
- **Water levels** (6 respondents)
- **Vegetation** (6 respondents)
- **Run off**(4 respondents)
- **Access** (2 respondents)

Impact of Problems

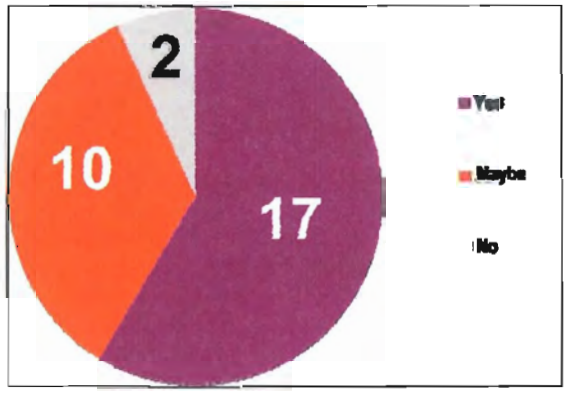
After being asked what they saw as the most pressing problem with the lake, residents were asked Does this concern affect your ability to enjoy the Lake?



Addressing Problems

Would you be willing to take some action to help address any of your concerns with the lake?

- All but 2 were at least open to the possibility of taking some action.
- Longtime residents were less willing to take action:
  - **Those saying "Yes" had lived on the lake an average of 20 years**
  - **Those saying "Maybe" had an average length of 24 years**
  - **Those saying "No" had an average of 36 years**



Open-ended Question Response

What are the things you like best about living on Phantom Lake?

Recreation

- Playing in the water--swimming, kayaking, etc.
- Viewing activity on lake. Using waterfront for activities, boating, swimming, picnicking. Watching wildlife. Gardening blueberries, raspberries, native and non-native plants. Entertaining family and friends.
- I am a member of Phantom Lake Swim & Tennis club, VP for 45 yrs. Nice club, enjoy.
- easy access to the lake and water activities. Local path for running, walking etc.
- Having my kids play in the lake
- Across to lake for canoeing etc
- I love to swim and the environment around the lake is very natural and peaceful, almost like being on vacation year 'round.
- Living on the lake is a good lifestyle.

Nature

- fun, beauty, wildlife, generations of neighbors growing up together, water sports
- The wooded privacy, low density, and peacefulness of the neighborhood. We enjoy using the lake as a family and with friends.
- It's rural character, wildlife, peacefulness
- open space, quiet, view of water
- view of water, wildlife, nature, quietness, large lots, boating, swimming, neighborhood, close to downtown Bellevue and Seattle,
- View, lake access.
- the wildlife, the hand powered water craft, swimming, the sun rise and set
- wildlife, fishing, tranquility.
- lake view, serenity, ducks, birds
- good environment, easy access to water and trails.
- lake access and close to freeways for travel in any direction. Our kids are grown so don't use the lake like we used to.

Quiet

- Quiet, peaceful setting, which is friendly to the environment.
- Quiet, peaceful,
- Trees and quiet
- Quiet, privacy and location...
- quiet
- Beautiful, quiet, nice neighbors.
- privacy, lake quality,

- It was best before the city became involved.
- Seclusion, natural beauty,
- the peacefulness, the nature events, the seasons, the animals, the birds, the scenic lake view, the boating, the swimming, friends
- Good stewardship, serenity, peaceful and living with equally minded neighbors

Do you have a pressing concern about Phantom Lake?

Water levels

- No, most of the problems are overstated and certain people are being way too squeaky. Most of the issues are much ado about nothing. But . . . The in-fill at the North end bay is a pressing concern. In a matter of time, the whole bay will become a marsh. What is the city doing about it? Obviously the in-fill is coming from drainage from the city.
- Preventing high water levels, and keeping inflow water "clean", basically keeping the lake "clean" for future generations, and the City's seemingly push to tax the residents for addressing lake issues
- Lake level should be lowered to pre-1990 levels. All boards should be removed from weir or weir removed. Outlet channel should regularly maintained using our already spent tax dollars. FEMA BFE should be dropped to no more than 259 NGVD.
- The city is contributing to the poor steward ship of the lake by allowing new development of schools and buildings which dump more storm water into the lake. The city is trying to avoid their responsibilities by putting not maintaining the discharge of water to through an outlet channel and trying to establish a LMD
- The channel/outflow of the lake needs to be clear so the lake level stays to it's traditional level. No public access to our lake!
- high water level and water quality

Vegetation

- water weed control
- get rid of buoy in middle, reduce plant life under water, fairly enforce rules on each property
- control water lilies
- Control of the vegetation that can spread drastically and destroy the ecosystem
- I am hoping that some safe solution can be found which will rid the lake of the creepy seaweed underwater and dense water lilies so swimming and boating will be possible again.
- erosion in the outlet channel has been increasing over the past few years! Trees are dying and falling over.

Runoff

- There used to be beavers always blocking the outlet, and regular sustained

flooding, however these seem to be fixed now. First rains in fall brings much contamination from roads.

- water lilies and run off from up stream parking lots
- Eastgate runoff
- run off from construction harming the lake water quality and causing lake levels to rise

Access

- An apparent desire by the City of Bellevue to limit lakefront use by requiring a native vegetation buffer along shoreline, and limiting size and shape of docks eliminating outer platforms which seriously limit stabilization and activity on the water. Also, lack of control or use of flood control ponds from Boeing parking areas and Microsoft campus.
- PLC &T has no access to the lake

Water quality

- Is it safe to swim in?
- My feeling is that shutting down the oxygen system was the most detrimental action, to the lakes health.
- Water quality given that the man-made swamps nearby have gone black and no longer support ducks.
- The cities inability to understand the aquatic ecosystem of the lake and how the cities views, policies and practices, have greatly contributed to the eutrophication of the lake. The cities blatant disregard of environmentally sound decisions and the arbitrary disregard for property rights without compensation. The cities continuous miss management of its "retention ponds" and misnaming of land fill leeching and untreated corporate runoff water surges overflow as an "inlet".
- I'm concerned about water quality and the long term viability of the lake, I'm not an expert on these matters and rely on information from Elfi
- To keep the water clean, keep the water level up.
- Shifts in the biota - discontinued phyto/zooplankton monitoring a very serious mistake, as well as limited water and data collecting.

No concerns

- [5 people had no pressing concerns]

DISCUSSION

It is clear that people love living on Phantom Lake. When asked what they liked best about living on Phantom Lake, homeowners' responses were similar: they enjoy the "quiet" and "privacy" of a "rural" environment full of natural wonders and opportunities for recreation.

This enthusiasm is mirrored in their concerns about the lake. When asked about their primary concern, residents noted a wide variety of issues, from water levels to in-fills to runoff to vegetation. Twenty-three of the 31 residents said their concern affected their ability to enjoy the Lake.

Four of nine issues listed were rated as “serious” by more than half of the respondents Vegetation (20), the Outlet channel (19), Water levels (17) and Algae blooms (16). Water quality was ranked as the “most important” issue in a separate question.

Homeowners were ambiguous on two other issues: water levels, which they ranked as a primary concern but many said had improved over the last two years; and outlet channel maintenance, which more said was a problem than any other issue aside from vegetation, but which was ranked relatively low in importance. Residents seemed less concerned about trash and beaver impacts in and around the lake.

All but two respondents were at least open to take some action to address the issues on the lake, including a majority who were definitely willing. Although specific action to be taken were not named, and will certainly be key, this indicates a strong potential for mobilizing homeowners to become engaged in the issue.

The ultimate goal was a clear and admirable one: "keeping the lake 'clean' for future generations," as one homeowner put it.

surveygizmo
Online Surveys. Data Collection and Integration
www.SurveyGizmo.com

Summary Report - Auto Run

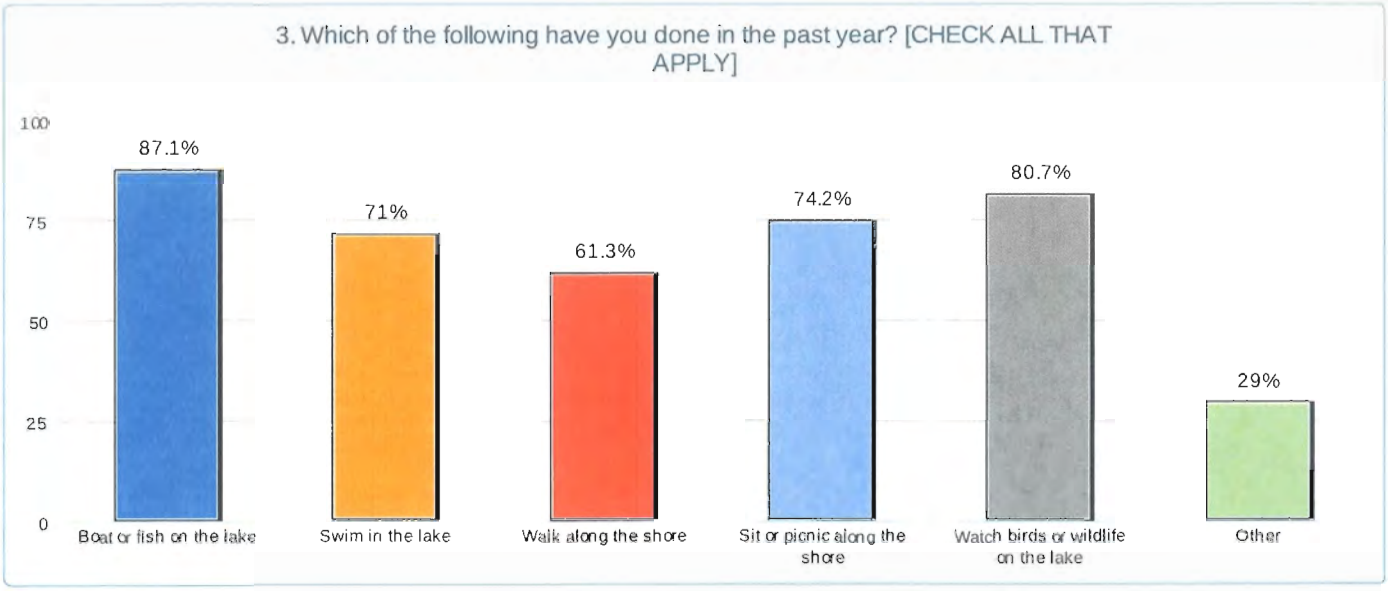
Phantom Lake Homeowners Survey

1. How long have you lived on Phantom Lake?

Count	Response
1	0
2	1
1	11
1	12
3	17
1	18
2	2
3	20
2	25
1	26
2	27
1	28
1	3
1	31
2	34
1	35
1	43
1	48
2	55
1	6
1	7

2. What are the things you like best about living on Phantom Lake?

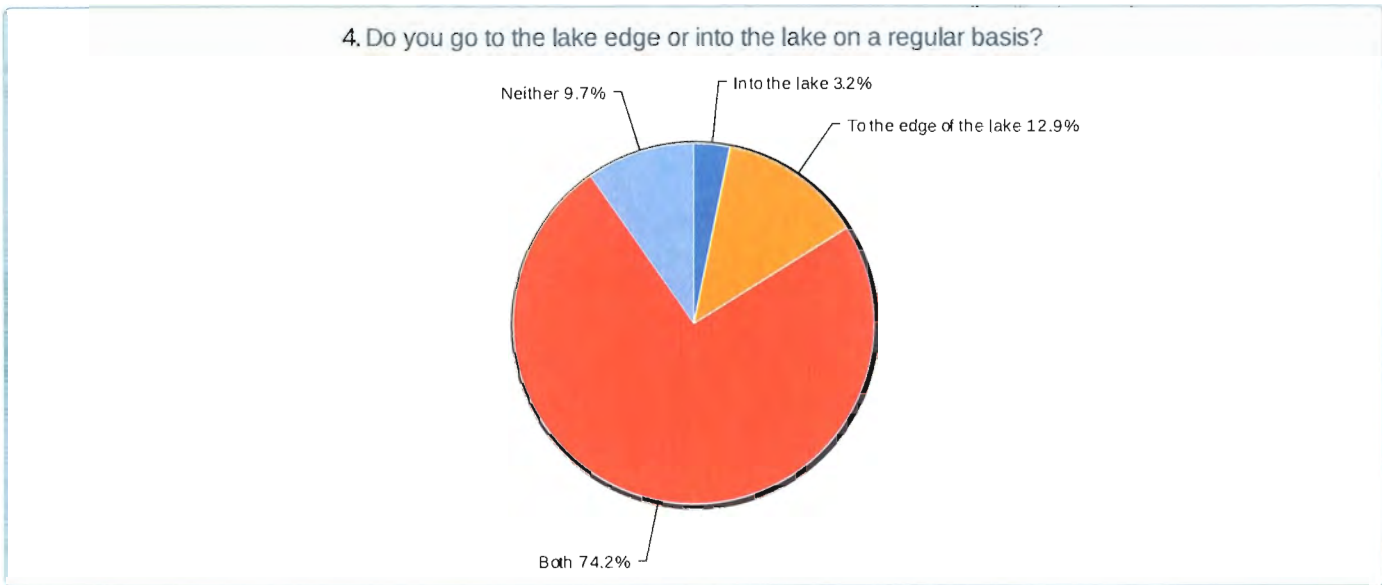
Count	Response
1	Across to lake for canoeing etc
1	Beautiful, quiet, nice neighbors.
1	Good stewardship, serenity, peaceful and living with equally minded neighbors
1	Having my kids paly in the lake
1	I am a member of Phantom Lake Swim & Tennis club, VP for 45 yrs. Nice club, enjoy.
1	It was best before the city became involved.
1	It's rural character, wildlife, peacefullness
1	Living on the lake is a good lifestyle.
1	Playing in the water--swimming, kayaking, etc.
1	Quiet, peaceful setting, which is friendly to the environment.
1	Quiet, peaceful,
1	Quiet, privacy and location...
1	Seclusion, natural beauty,
1	Trees and quiet
1	Using the lake for: Swimming boating
1	View, lake access.
1	easy access to the lake and water activities. Local path for running, walking etc.
1	fun, beauty, wildlife, generations of neighbors growing up together, watersports
1	good environment, easy access to water and trails.
1	lake view, serenity, ducks,birds
1	open space, quiet, view of water
1	privacy, lake quality,
1	quiet
1	the wildlife, the handpowered water craft, swimming, the sun rise and set
1	wildlife,fishing,tranquility.
1	lake acess and close to freways for travel in anyh direction. Our kids are grown so don't use the lake like we used to.
1	Viewing activity on lake. Using waterfront for activities, boating, swimming, picnicking. Watching wildlife. Gardening blueberries, raspberries, native and non-native plants. Entertaining family and friends.
1	The wooded privacy, low density, and peacefulness of the neighborhood. We enjoy using the lake as a family and with friends.
1	I love to swim and the environment around the lake is very natural and peaceful, almost like being on vacation year 'round.
1	view of water, wildlife, nature, quietness, large lots, boating, swimming, neighborhood, close to downtown Bellevue and Seattle,
1	the peacefulness, the nature events, the seasons, the animals, the birds, the senic lake view, the boating, the swimming, friends



3. Which of the following have you done in the past year? [CHECK ALL THAT APPLY]

Value	Count	Percent %
Boat or fish on the lake	27	87.1%
Swim in the lake	22	71.0%
Walk along the shore	19	61.3%
Sit or picnic along the shore	23	74.2%
Watch birds or wildlife on the lake	25	80.7%
Other	9	29.0%

Statistics	
Total Responses	31
Sum	399.0
Avg.	3.2
StdDev	1.6
Max	6.0



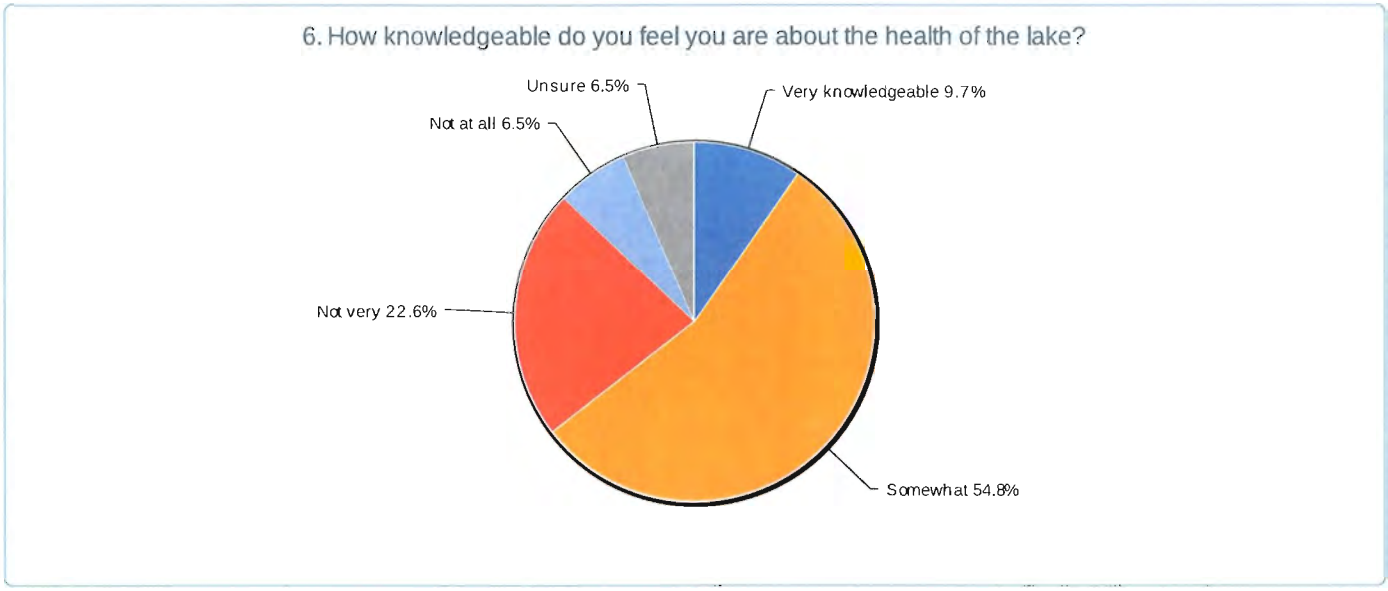
4. Do you go to the lake edge or into the lake on a regular basis?

Value	Count	Percent %
Into the lake	1	3.2%
To the edge of the lake	4	12.9%
Both	23	74.2%
Neither	3	9.7%

Statistics	
Total Responses	31
Sum	90.0
Avg.	2.9
StdDev	0.6
Max	4.0

5. Using a letter grade - like they use in school - How would you grade the following? A=Excellent; B=Good; C= Satisfactory; D=Unsatisfactory; F=Poor; or No Opinion.

	A	B	C	D	F	No opinion	Responses
The overall health of the lake	**6.5%** 2	**16.1%** 5	**38.7%** 12	**16.1%** 5	**12.9%** 4	**9.7%** 3	31
The water quality	**0.0%** 0	**29.0%** 9	**22.6%** 7	**29.0%** 9	**3.2%** 1	**16.1%** 5	31
The water clarity	**6.5%** 2	**12.9%** 4	**32.3%** 10	**29.0%** 9	**9.7%** 3	**9.7%** 3	31



6. How knowledgeable do you feel you are about the health of the lake?

Value	Count	Percent %
Very knowledgeable	3	9.7%
Somewhat	17	54.8%
Not very	7	22.6%
Not at all	2	6.5%
Unsure	2	6.5%

Statistics	
Total Responses	31
Sum	76.0
Avg.	2.5
StdDev	1.0
Max	5.0

7. The next few questions are about any concerns you may have with Phantom Lake. For each of the following, indicate whether it is a Serious Problem, Minor Problem or Not a Problem.

	Serious	Minor	Not a problem	Responses
Trash in and around the lake	13.3% 4	46.7% 14	40.0% 12	30
Outlet channel maintenance	63.3% 19	23.3% 7	13.3% 4	30
High water levels in the past two years	46.7% 14	36.7% 11	16.7% 5	30
High water levels prior to two years ago	56.7% 17	23.3% 7	20.0% 6	30
Aquatic vegetation (lilies, etc) in the lake	66.7% 20	30.0% 9	3.3% 1	30
Beaver impacts	36.7% 11	36.7% 11	26.7% 8	30
Dying trees around the lake	46.7% 14	36.7% 11	16.7% 5	30
Algae blooms	53.3% 16	36.7% 11	10.0% 3	30

8. Please rank top three issues in order of their importance to you.

Item	Total Score[1]	Overall Rank
Water quality	43	1
Aquatic vegetation in the lake	34	2
Toxic algae blooms	29	3
High water levels	22	4
Other	12	5
Outlet channel maintenance	11	6
Water clarity	9	7
Beaver impacts	7	8
Dying trees around the lake	3	9
Trash in and around the lake	1	10

Total Respondents: 30

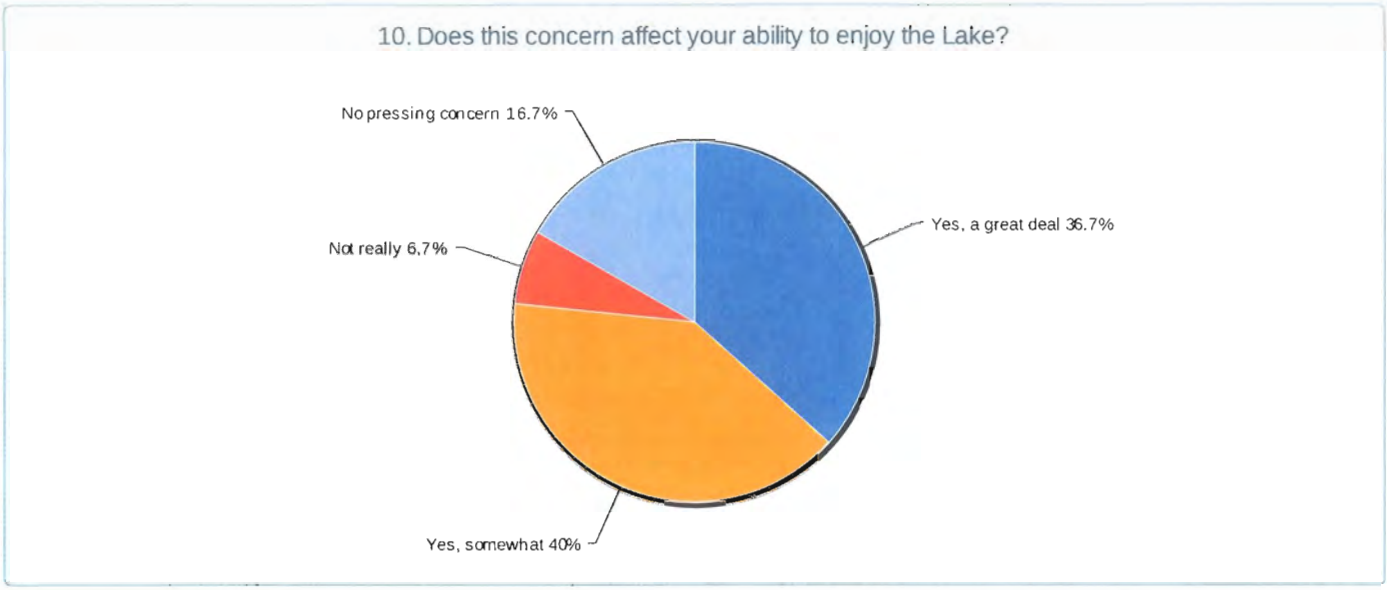
[1] Score is a weighted calculation. Items ranked first are valued higher than the following ranks, the score is the sum of all weighted rank counts.

If you ranked "Other" in the previous question, please explain:

Count	Response
1	.
1	Dying clams, fish population not recovering, nutrient impact, extended flooding
1	N/A
1	erosion in the outlet channel, trees dying
1	see above
1	Robinsglen is over-run with dogs, beer drinking and people launching boats. The city is not able to monitor the park sufficiently for its usage. This IS a lake problem.
1	I only "ranked" other as most of the above are all inter-related and to put a priority on them is almost impossible; e.g. high water levels cause dying trees, water quality relates to/can cause toxic blooms, relates to water clarity; beavers dam up the outlet channel and relate to outlet maintenance which relate to high water levels which relates to dying trees.....so which is the issue? or better yet, the cause? All (except the trash issue) are all important
1	The amount of water lillies and seaweed-type growth underwater has made swimming very unpleasant, and even impossible to enter the water.
1	These items are all interrelated or irrelevant. Ranking of such items can only lead to erroneous conclusions. The lake requires more the an action list from an ill conceived grouping of individualized problems.
1	My feeling is that shutting down the oxygen system was the most detrimental action,to the lakes health.

9. Do you have a pressing concern about Phantom Lake?

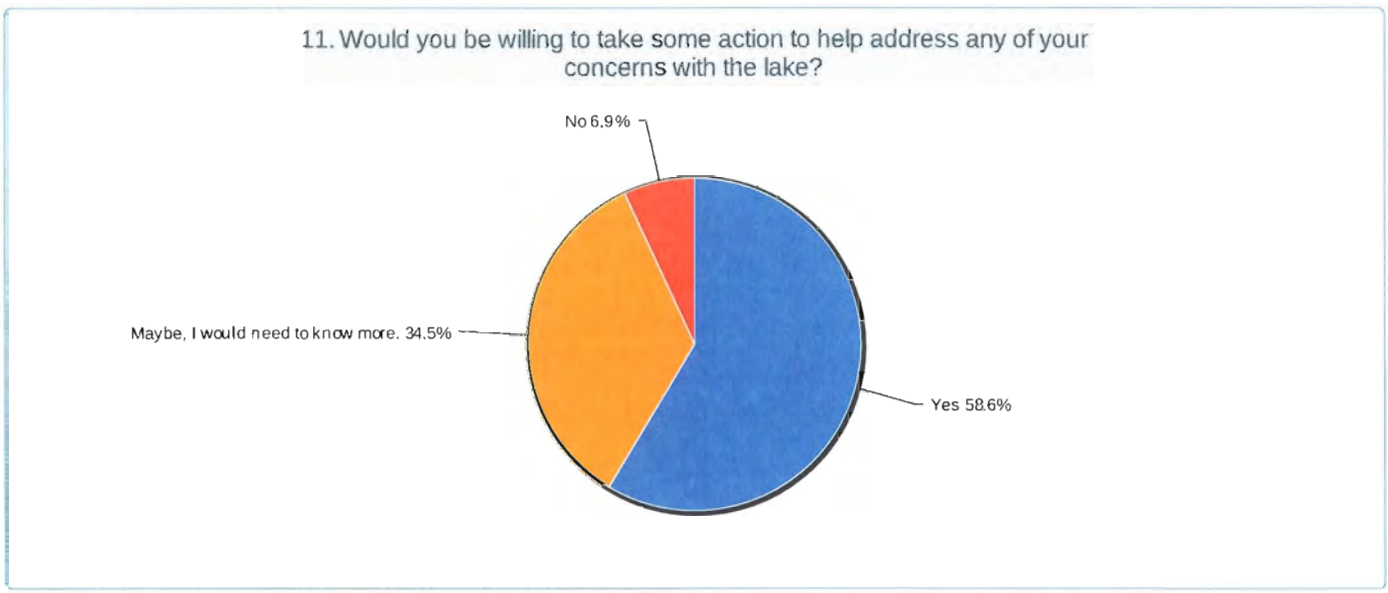
Count	Response
1	Control of the vegetation that can spread drastically and destroy the ecosystem
1	Eastgate runoff
1	Is it safe to swim in?
3	No
1	PLC &T has no access to the lake
1	To keep the water clean, keep the water level up.
1	Water quality given that the man-made swamps nearby have gone black and no longer support ducks.
1	control water lillies
1	get rid of buoy in middle, reduce plant life under water, fairly enforce rules on each property
1	high water level and water quality
2	no
1	run off from construction harming the lake water quality and causing lake levels to rise
1	see answer 8.
1	water lilies and run off from up stream parking lots
1	water weed control
1	The channel/outflow of the lake needs to be clear so the lake level stays to it's traditional level. No public access to our lake!
1	No, most of the problems are overstated and certain people are being way too squeaky. Most of the issues are much ado about nothing. But . . . The in-fill at the North end bay is a pressing concern. In a matter of time, the whole bay will become a marsh. What is the city doing about it? Obviously the in-fill is coming from drainage from the city.
1	erosion in the outlet channel has been increasing over the past few years! Trees are dying and falling over.
1	Lake level should be lowered to pre-1990 levels. All boards should be removed from wier or wier removed. Outlet channel should regularly maintained using our already spent tax dollars. FEMA BFE should be dropped to no more than 259 NGVD.
1	An apparent desire by the City of Bellevue to limit lakefront use by requiring a native vegetation buffer along shoreline, and limiting size and shape of docks eliminating outer platforms which seriously limit stabilization and activity on the water. Also, lack of control or use of flood control ponds from Boeing parking areas and Microsoft campus.
1	The cities inability to understand the aquatic ecosystem of the lake and how the cities views, policies and practices, have greatly contributed to the eutrophication of the lake. The cities blatant disregard of environmentally sound decisions and the arbitrary disregard for property rights without compensation. The cities continuous miss management of its "retention ponds" and misnaming of land fill leeching and untreated corporate runoff water surges overflow as an "inlet".
1	The city is contributing to the poor steward ship of the lake by allowing new development of schools and buildings which dump more storm water into the lake. The city is trying to avoid their responsibilities by putting not maintaining the discharge of water to through an outlet channel and trying to establish a LMD
1	I am hoping that some safe solution can be found which will rid the lake of the creepy seaweed underwater and dense water lilies so swimming and boating will be possible again.
1	I'm concerned about water quality and the long term viability of the lake, I'm not an expert on these matters and rely on information from Elfi
1	There used to be beavers always blocking the outlet, and regular sustained flooding, however these seem to be fixed now. First rains in fall brings much contamination from roads.
1	Shifts in the biota - discontinued phyto/zooplankton monitoring a very serious mistake, as well as limited water and data collecting.
1	Preventing high water levels, and keeping inflow water "clean", basically keeping the lake "clean" for future generations, and the City's seemingly push to tax the residents for addressing lake issues



10. Does this concern affect your ability to enjoy the Lake?

Value	Count	Percent %
Yes, a great deal	11	36.7%
Yes, somewhat	12	40.0%
Not really	2	6.7%
No pressing concern	5	16.7%

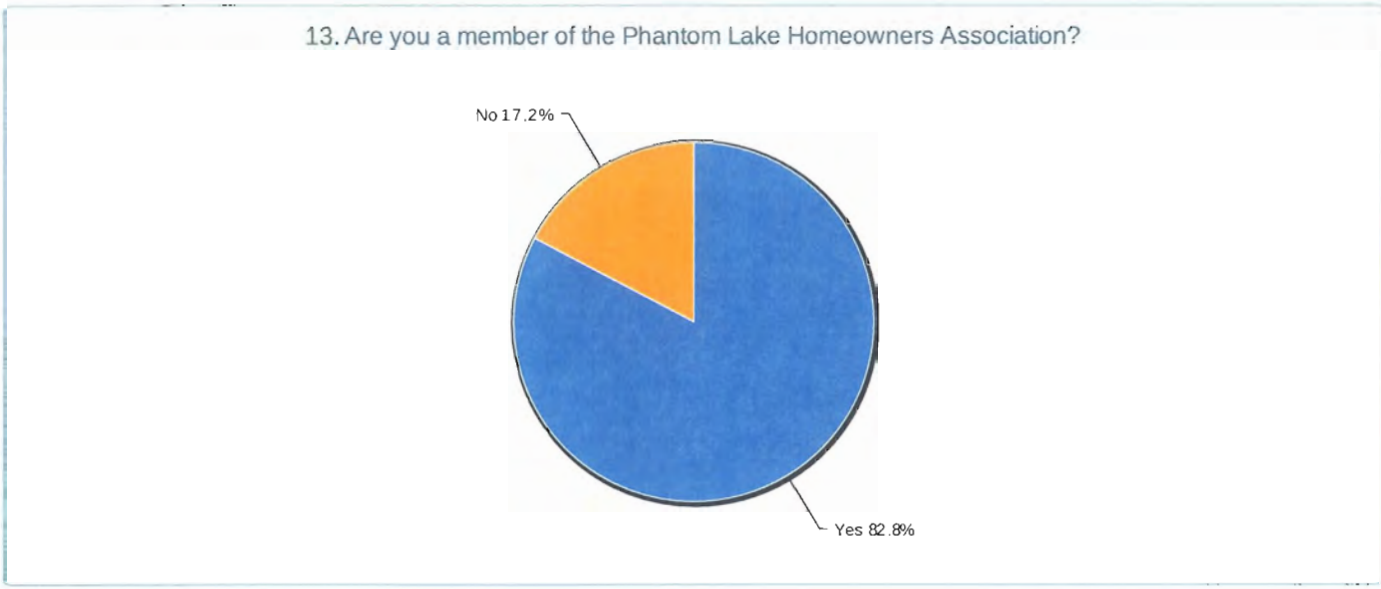
Statistics	
Total Responses	30
Sum	61.0
Avg.	2.0
StdDev	1.0
Max	4.0



11. Would you be willing to take some action to help address any of your concerns with the lake?

Value	Count	Percent %
Yes	17	58.6%
Maybe, I would need to know more.	10	34.5%
No	2	6.9%

Statistics	
Total Responses	29
Sum	43.0
Avg.	1.5
StdDev	0.6
Max	3.0



13. Are you a member of the Phantom Lake Homeowners Association?

Value	Count	Percent %
Yes	24	82.8%
No	5	17.2%

Statistics	
Total Responses	29
Sum	34.0
Avg.	1.2
StdDev	0.4
Max	2.0

4. Do you go to the lake edge or into the lake on a regular basis?

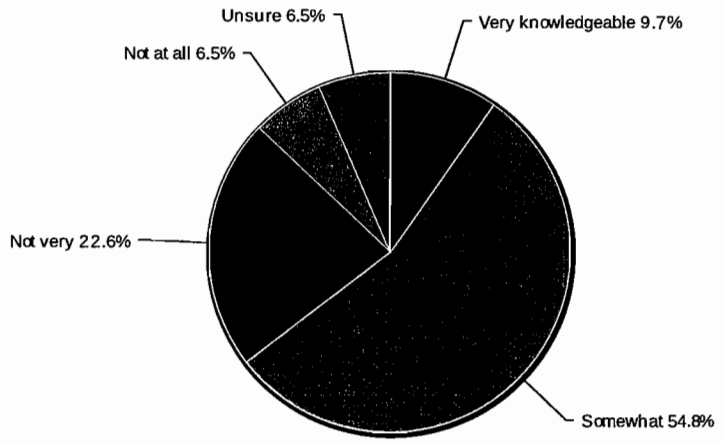
Value	Count	Percent %
Into the lake	1	3.2%
To the edge of the lake	4	12.9%
Both	23	74.2%
Neither	3	9.7%

Statistics	
Total Responses	31
Sum	90.0
Avg.	2.9
StdDev	0.6
Max	4.0

5. Using a letter grade - like they use in school - How would you grade the following? A=Excellent; B=Good; C= Satisfactory; D=Unsatisfactory; F=Poor; or No Opinion.

	A	B	C	D	F	No opinion	Responses
The overall health of the lake	**6.5%** 2	**16.1%** 5	**38.7%** 12	**16.1%** 5	**12.9%** 4	**9.7%** 3	31
The water quality	**0.0%** 0	**29.0%** 9	**22.6%** 7	**29.0%** 9	**3.2%** 1	**16.1%** 5	31
The water clarity	**6.5%** 2	**12.9%** 4	**32.3%** 10	**29.0%** 9	**9.7%** 3	**9.7%** 3	31

6. How knowledgeable do you feel you are about the health of the lake?



6. How knowledgeable do you feel you are about the health of the lake?

Value	Count	Percent %
Very knowledgeable	3	9.7%
Somewhat	17	54.8%
Not very	7	22.6%
Not at all	2	6.5%
Unsure	2	6.5%

Statistics	
Total Responses	31
Sum	76.0
Avg.	2.5
StdDev	1.0
Max	5.0

7. The next few questions are about any concerns you may have with Phantom Lake. For each of the following, indicate whether it is a Serious Problem, Minor Problem or Not a Problem.

	Serious	Minor	Not a problem	Responses
Trash in and around the lake	**13.3%** 4	**46.7%** 14	**40.0%** 12	30
Outlet channel maintenance	**63.3%** 19	**23.3%** 7	**13.3%** 4	30
High water levels in the past two years	**46.7%** 14	**36.7%** 11	**16.7%** 5	30
High water levels prior to two years ago	**56.7%** 17	**23.3%** 7	**20.0%** 6	30
Aquatic vegetation (lilies, etc) in the lake	**66.7%** 20	**30.0%** 9	**3.3%** 1	30
Beaver impacts	**36.7%** 11	**36.7%** 11	**26.7%** 8	30
Dying trees around the lake	**46.7%** 14	**36.7%** 11	**16.7%** 5	30
Algae blooms	**53.3%** 16	**36.7%** 11	**10.0%** 3	30

8. Please rank top three issues in order of their importance to you.

Item	Total Score[1]	Overall Rank
Water quality	43	1
Aquatic vegetation in the lake	34	2
Toxic algae blooms	29	3
High water levels	22	4
Other	12	5
Outlet channel maintenance	11	6
Water clarity	9	7
Beaver impacts	7	8
Dying trees around the lake	3	9
Trash in and around the lake	1	10

Total Respondents: 30

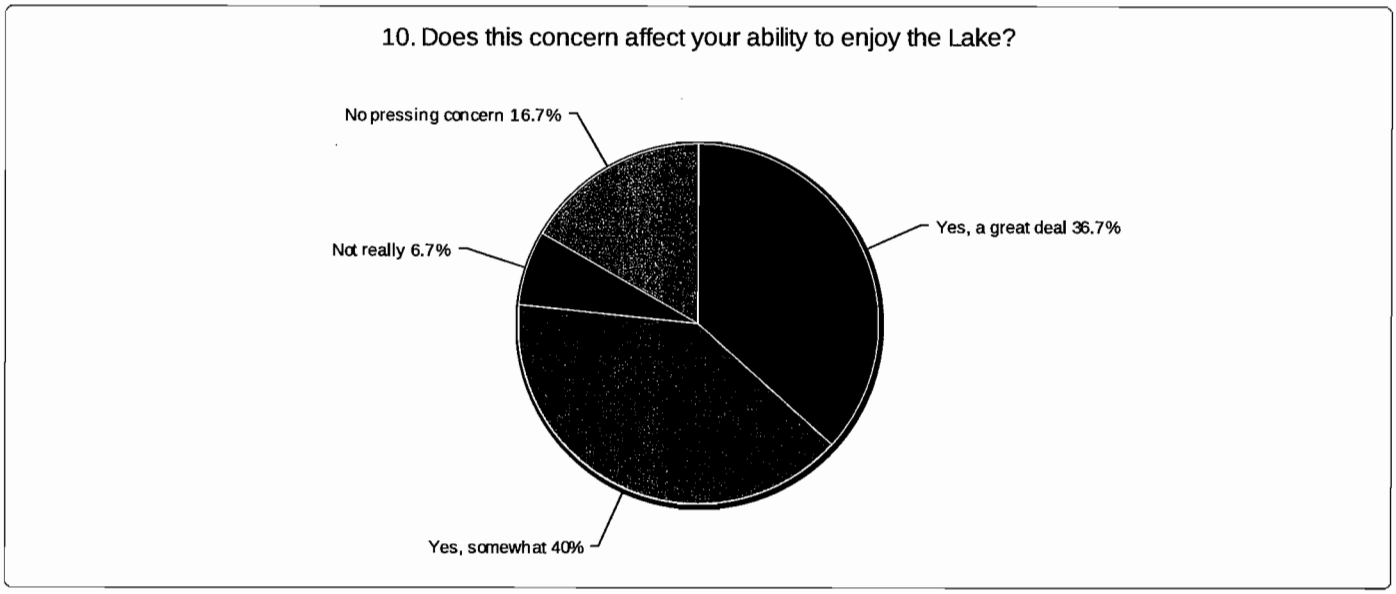
[1] Score is a weighted calculation. Items ranked first are valued higher than the following ranks, the score is the sum of all weighted rank counts.

If you ranked "Other" in the previous question, please explain:

Count	Response
1	.
1	Dying clams, fish population not recovering, nutrient impact, extended flooding
1	N/A
1	erosion in the outlet channel, trees dying
1	see above
1	Robinsglen is over-run with dogs, beer drinking and people launching boats. The city is not able to monitor the park sufficiently for its usage. This IS a lake problem.
1	I only "ranked" other as mostl of the above are all inter-related and to put a priority on them is almost impossible; e.g. high water levels cause dying trees, water quality relates to/can cause toxic blooms, relates to water clarity; beavers dam up the outlet channel and relate to outlet maintenance which relate to high water levels which relates to dying trees.....so which is the issue? or better yet, the cause? All (except the trash issue) are all important
1	The amount of water lillies and seaweed-type growth underwater has made swimming very unpleasant, and even impossible to enter the water.
1	These items are all interrelated or irrelevant. Ranking of such items can only lead to erroneous conclusions. The lake requires more the an action list from an ill conceived grouping of individualized problems.
1	My feeling is that shutting down the oxygen system was the most detrimental action,to the lakes health.

9. Do you have a pressing concern about Phantom Lake?

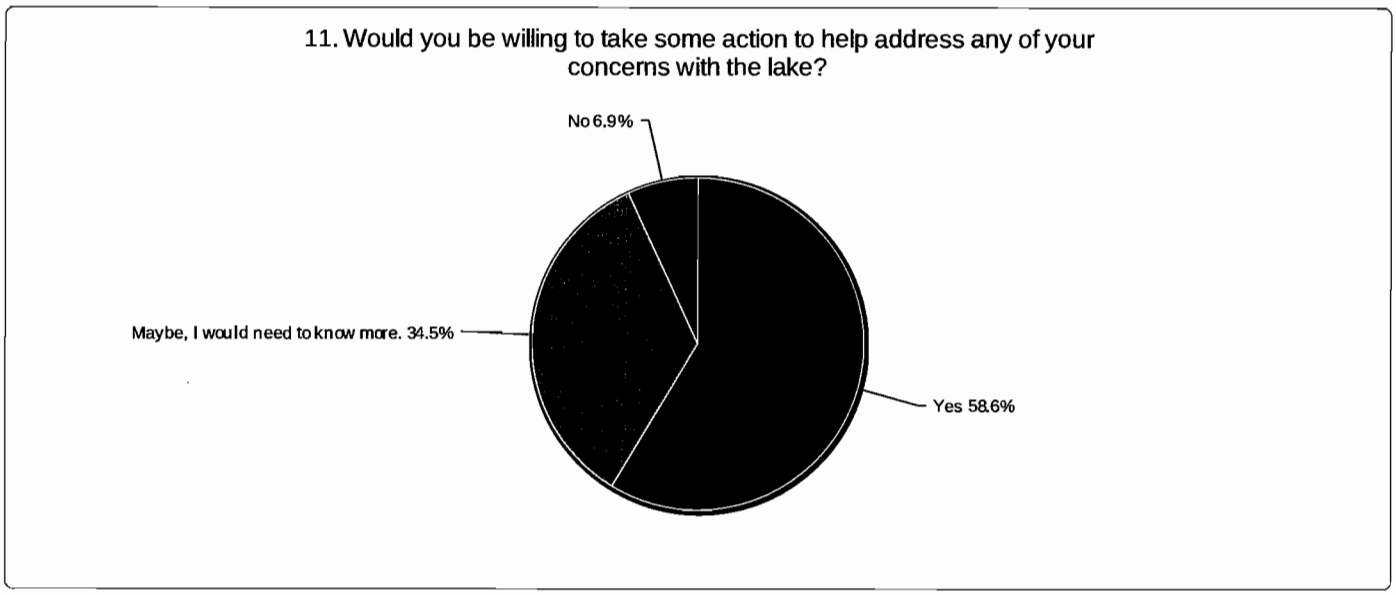
Count	Response
1	Control of the vegetation that can spread drastically and destroy the ecosystem
1	Eastgate runoff
1	Is it safe to swim in?
3	No
1	PLC &T has no access to the lake
1	To keep the water clean, keep the water level up.
1	Water quality given that the man-made swamps nearby have gone black and no longer support ducks.
1	control water lillies
1	get rid of buoy in middle, reduce plant life under water, fairly enforce rules on each property
1	high water level and water quality
2	no
1	run off from construction harming the lake water quality and causing lake levels to rise
1	see answer 8.
1	water lilies and run off from up stream parking lots
1	water weed control
1	The channel/outflow of the lake needs to be clear so the lake level stays to it's traditional level. No public access to our lake!
1	No, most of the problems are overstated and certain people are being way too squeaky. Most of the issues are much ado about nothing. But . . . The in-fill at the North end bay is a pressing concern. In a matter of time, the whole bay will become a marsh. What is the city doing about it? Obviously the in-fill is coming from drainage from the city.
1	erosion in the outlet channel has been increasing over the past few years! Trees are dying and falling over.
1	Lake level should be lowered to pre-1990 levels. All boards should be removed from wier or wier removed. Outlet channel should regularly maintained using our already spent tax dollars. FEMA BFE should be dropped to no more than 259 NGVD.
1	An apparent desire by the City of Bellevue to limit lakefront use by requiring a native vegetation buffer along shoreline, and limiting size and shape of docks eliminating outer platforms which seriously limit stabilization and activity on the water. Also, lack of control or use of flood control ponds from Boeing parking areas and Microsoft campus.
1	The cities inability to understand the aquatic ecosystem of the lake and how the cities views, policies and practices, have greatly contributed to the eutrophication of the lake. The cities blatant disregard of environmentally sound decisions and the arbitrary disregard for property rights without compensation. The cities continuous miss management of its "retention ponds" and misnaming of land fill leeching and untreated corporate runoff water surges overflow as an "inlet".
1	The city is contributing to the poor steward ship of the lake by allowing new development of schools and buildings which dump more storm water into the lake. The city is trying to avoid their responsibilities by putting not maintaining the discharge of water to through an outlet channel and trying to establish a LMD
1	I am hoping that some safe solution can be found which will rid the lake of the creepy seaweed underwater and dense water lilies so swimming and boating will be possible again.
1	I'm concerned about water quality and the long term viability of the lake, I'm not an expert on these matters and rely on information from Elfi
1	There used to be beavers always blocking the outlet, and regular sustained flooding, however these seem to be fixed now. First rains in fall brings much contamination from roads.
1	Shifts in the biota - discontinued phyto/zooplankton monitoring a very serious mistake, as well as limited water and data collecting.
1	Preventing high water levels, and keeping inflow water "clean", basically keeping the lake "clean" for future generations, and the City's seemingly push to tax the residents for addressing lake issues



10. Does this concern affect your ability to enjoy the Lake?

Value	Count	Percent %
Yes, a great deal	11	36.7%
Yes, somewhat	12	40.0%
Not really	2	6.7%
No pressing concern	5	16.7%

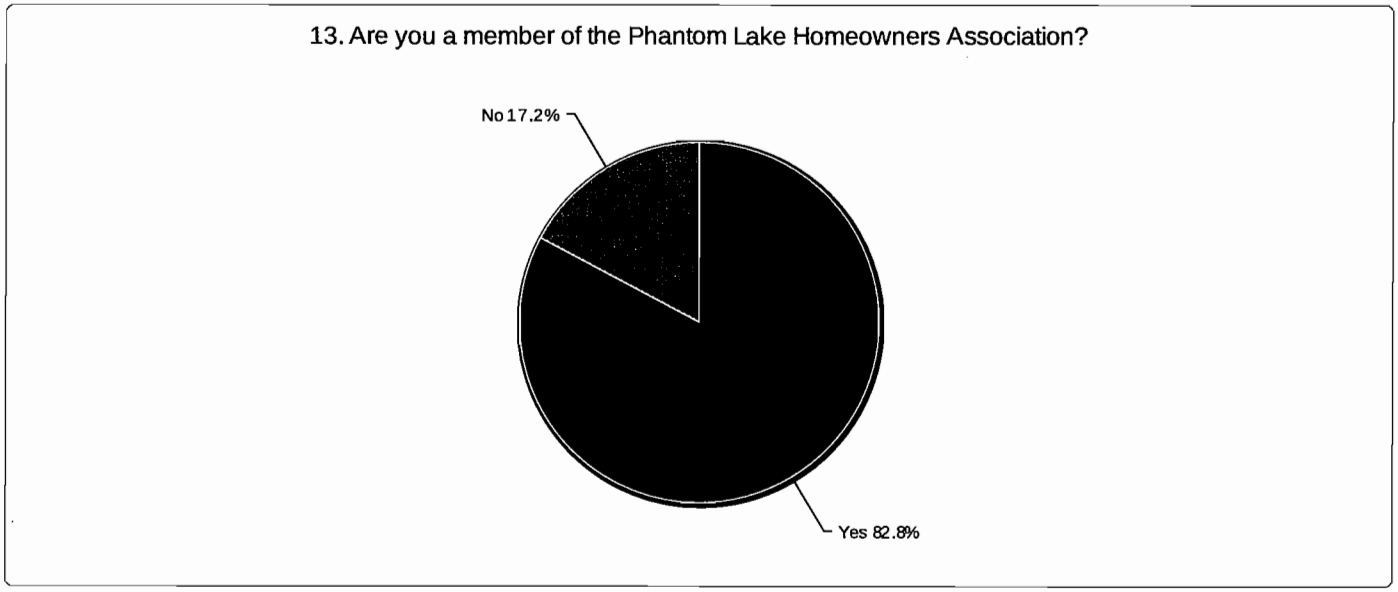
Statistics	
Total Responses	30
Sum	61.0
Avg.	2.0
StdDev	1.0
Max	4.0



11. Would you be willing to take some action to help address any of your concerns with the lake?

Value	Count	Percent %
Yes	17	58.6%
Maybe, I would need to know more.	10	34.5%
No	2	6.9%

Statistics	
Total Responses	29
Sum	43.0
Avg.	1.5
StdDev	0.6
Max	3.0



13. Are you a member of the Phantom Lake Homeowners Association?

Value	Count	Percent %
Yes	24	82.8%
No	5	17.2%

Statistics	
Total Responses	29
Sum	34.0
Avg.	1.2
StdDev	0.4
Max	2.0

2014

Tentative Environmental Services Commission Calendar

January

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

January

16 City Comp Plan Update (CPU): Stream Habitat & Materials Mgmt. Policies (Paul Anderson)
Floodplain Mgmt. Briefing (Brian Ward)
Phantom/Larsen Lake Drainage Update (Paul)
Public Meeting 2014 NPDES Stormwater Mgmt. Program Plan (Paul/Phyllis)

February

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

February

20 CIP 2013 Accomplishments (Scott/Regan)
CIP Update: Introduce the CIP Update & Review Exsiting CIP (Pam)
Discussion & Recommendation 2014 NPDES Stormwater Mgmt. Program Plan (Paul/Phyllis)
Wastewater Claims Discussion (Joe/Tony)

March

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

March

20 CIP Update: Review proposed changes to existing CIP (Pam/Dave)
Waste Water System Plan - ESC Recommendation to Council for Adoption of Draft Plan (Pam/Doug)

April

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

April

17 CIP Update: Introduce new CIP Investments; summarize all proposed changes to CIP (Pam/Dave)

May

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

May

15 Asset Mgmt. Annual Update - (Bill Heubach)
CIP Update: Open House & Public Comments - Present Prelim CIP address comments - request ESC Endorsement (Pam/Dave)
Water System Plan: Introduce Project & Reveiw existing policies w/proposed changes (Doug Lane)

June

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

June

19 CPU Input on Draft Policies (Pam)
Water System Plan: Continue Policy Discussion; Review system analysis/criteria/ methods (Doug Lane)

July

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

July

17 CIP Tour focused on proposed investments (Scott/Regan/ Pam)
Water System Plan: Review Significant Plan Findings (analysis; wells) (Doug Lane)

August

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

21 Recess

September

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

September

18 CPU: Status Briefing (Pam)

October

16 Water System Plan: Continue Findings & Recommendations ((Doug Lane)

October

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

December

18 Water System Plan: Deliver draft Plan with high level summary of significant elements (Doug Lane)

November

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Pending – ESC:

Status Reports on the following issue will be made when there are significant development:

- Water Cost of Service Results (Lucy)
- Water Rate Design (Lucy)
- Shoreline Mgmt. Plan (Paul)
- Stormwater 101 (Paul)

Katie/2014 Calendars/Pending ESC Calendar

Updated 1/8/14

2014

Tentative Council Calendar

January

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

March

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

January

21 Consent: Res author exec of Prof Svcs Agmt with RH2 for PRV improve 2014 (Paul)

27 Consent: Motion to Award AutoCAD to GIS Migration Contract (Margaret)
Consent: Resol author Prof Svcs Agrmt for Horizon View No 3 Wtr PS Rehab (Paul)
RI: KC Solid Waste (Alison)
RI: South Cove Assumption (Nav/Paul/Alison)

February

3 Consent: Res Auth exec of Prof Svc Agrmt w/DEA for Yarrow Crk W. Trib Culv Removal Final Design (Paul/Regan)
Consent: Res Auth Prof Svcs Agrmt w/MSA for Wastewater PS Eval Ph 2 (Paul/Regan)
Consent: Res autho Prof Svcs Agrmt w/DHS for On-Call Wtr Svc Saddle Rpcmt (Paul/Regan)
ConsentL: Resol auth Prof Svcs Agrmt w/MWH for Midlakes PS Capacity Imp Prelim Design (Paul/Regan)

18 Consent: 2014 Waste Reduction & Recycling Programs Grant from King County (Elaine)

March

3 Rpt of the City Manager: NPDES Municipal Storwater Permit Annual Report (Paul Phyllis)

17 Consent: Resolution auth City Manager to sign & certify NPDES Annaul Rpt (Paul/Phyllis)

July

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Key:
Agenda item description – **Consent:** Waste Reduction & Recycling Grant
Assistant Director's Name or designated staff that will
be available to attend Mayor's meeting
Staff Name – material content expert

2013 Pending Council

Consent: AutoCAD to GIS Migration Contract (Margaret)
Bellevue/Redmond Consolidation of Sewer Agreements
Prof Svcs Agrmt Wagner Architects for Eastgate Yard Maintenance (Regan)

Katie/2014Calendars/Pending Council Calendar

Updated 1/8/13