

## HORSESHOE LAKE MANAGEMENT COMMITTEE AGENDA

5:00 P.M. - THURSDAY, MAY 9, 2013

Woodland Council Chambers

100 Davidson Avenue – Woodland, WA 98674

- I. Call to Order
- II. Minutes for March 14, 2013 and Notes for April 11, 2013
- III. Continued Business
  - A. Pump Update
    - Maintenance Log
    - River Levels
  - B. Water Quality and Sampling
    - April 18th Results
    - Phosphorus and E. Coli Graphs
  - C. Budget
  - D. Goals & Priorities
    - Milfoil Eradication
    - Public Education - Lake Contamination Flyer
- IV. New Business
  - A. None
- V. Other
  - A. Newspaper Article - Geese at Silver Lake
- VI. Adjourn - Next Meeting June 13, 2013 at 5:00 P.M.

**CITY OF WOODLAND  
HORSESHOE LAKE COMMITTEE MINUTES  
MARCH 14, 2013**

The regular meeting of the Horseshoe Lake Management Committee (HSLMC) was held on the above date, at the Woodland City Hall, 100 Davidson Avenue, Woodland, WA 98674.

Chairman Tom Golik called the meeting to order at approximately 5:04 p.m. Roll call found the following:

**COMMITTEE MEMBERS:**

Tom Golik, Chairman  
Walt Church  
Mike Curry  
Terry Jones  
Francis Patnode  
Pat Rychel  
Jeff Sullivan (Absent)  
Neil Van Horn

**MAYOR/COUNCIL:**

Scott Perry, Councilmember

**STAFF:**

Jody Bartkowski, Secretary

**MINUTES**

The February 14, 2013 minutes were approved as presented.

**CONTINUED BUSINESS**

- A. Lake Pump.** Chairman Tom Golik read the response letter from the Washington State Department of Transportation (WSDOT) regarding pump output concerns. Discussion ensued regarding the fish exclusion zone, NOAA time frames, the WSDOT response being inadequate and the Washington Department of Fish & Wildlife (WDFW) investigating further.

*Committee Member Van Horn moved to give Stacie Kelsey permission to go forward within her agency for support and then contact WSDOT regarding the Committee's wishes. Mike Curry seconded the motion. Motion carried unanimously.*

Further discussion ensued regarding current pumping records, the cleaning of screens, and the Lake outlet. Committee Member Walt Church made the following motion regarding the Horseshoe Lake outlet structure Standard Operating Procedures (SOP):

*The following will be the Standard Operating Procedure (SOP) for the Horseshoe Lake structure and related valve:*

*It is imperative that the Lake be maintained at the highest level, consistent with the elevation at the outlet structure as originally installed. The valve on the Airport side should be closed at all times except when the Lake is overflowing the outlet structure as originally installed or when CDID #1 is required to regulate the flow.*

1. *Maximum Lake elevation is necessary to help control the vegetation growth.*
2. *Lesser Lake elevation is not required to retard bank erosion since the passage of "5-MPH no wake" ordinance.*
3. *Solution to pollution is dilution.*
4. *Opening the valve on the airport side before water overflows the structure causes the Lake to lose water through the defective structure.*

*Any changes in this SOP must be submitted in writing to the HSLMC.*

*Committee Member Mike Curry seconded the motion.*

Discussion ensued regarding keeping the Lake water high enough to overflow the outlet structure, opening/closing of the airport valve, seepage through the Lake bottom, work done to repair leaks in structure around 2009, the location of various leaks in the structure, dye testing to find leaks, circulation, and action needed to have the valve closed.

*Motion approved unanimously.*

Council Member Scott Perry will contact Bart Stepp and follow-up with Council as necessary. Further discussion was held regarding re-grouting and leakage around the metal parts.

- B. Water Quality & Sampling.** Ms. Kelsey reported that the hand held hydrolab used for temperature testing, etc. is being repaired but should be back in service by the last week of March. She presented raw data from the lab and graphs showing results to date. The March tests result have not been received, testing for E. coli takes longer.

Discussion was held regarding low phosphorous levels in January and February, nitrogen readings being done in the WDFW lab, Department of Ecology (DOE) standards for allowable levels, low E. coli levels, variations in temperature based on the time of year, and oxygen levels being acceptable.

Chairman Golik requested the Committee review the hand-outs and bring comments to the next meeting.

- C. Decoys/Wildlife.** The Committee requested that this item be removed from the agenda.
- D. Budget.** Bart Stepp reported that the City now has a Memorandum of Understanding with Clark County that will allow them to submit payment of requested funds. Discussion was held regarding Ron Wierenga's e-mails about future funding and low E. coli levels. Scott Perry was thanked for his successful efforts in making arrangements to guarantee payment for March's E. coli testing.

- E. Goals & Priorities.** The following items were discussed:

- **Public Education - Lake Contamination Flyer.** Discussion ensued regarding a decision to distribute the flyer with utility bills, stormwater running into the Lake, and a City ordinance regarding oil on the streets. A 4<sup>th</sup> bullet will be added under Fertilize the Lawn, Not the Lake saying "runoff eventually ends up in a body of water".

- **Milfoil Eradication.** Ms. Kelsey discussed available chemicals and different vendors. Discussion ensued regarding support from WDFW, a required count of grass carp are in the Lake, treating by either carp or chemicals (you cannot do both), how quickly the process works, water contact following treatment, and creation of a test site. The Committee gave permission for Ms. Kelsey to continuing working with the Department of Ecology to make this happen.

**NEW BUSINESS**

- Mike Curry reported that a special events request for Lewis River Fall Fest was presented at the February Park Board meeting. Due to the inclusion of Duck Boat rides the Board tabled their action and requested a recommendation from the Horseshoe Lake Management Committee.

Discussion ensued regarding the path taken last year, the popularity of the event, and potential paths.

*Motion was made to limit Duck Boat trips during Lewis River Fall Fest to use of the north end of the Lake, allowing the boat to go around the buoy just past the welding shop, but no further south. Motion seconded and carried unanimously.*

Further discussion ensued regarding this event being a fund raiser for Scott Hill Park & Sports Complex vs. Horseshoe Park and Lake.

Council Member Perry reported that the Mayor and Council are going to be looking at grant funding, the possibility of approaching people for help, charging for the majority of events held in the Park, and increasing park event fees.

**OTHER**

- **Oxbow Lakes.** Ms. Kelsey reported that she is doing a literature review of oxbow lakes that she will be sharing with the Committee in May. Discussion ensued regarding best management practices and the definition of an oxbow.

**ADJOURNMENT**

The meeting was adjourned at approximately 6:25 p.m. The next regular meeting will be held Thursday, April 11, 2013, at 5:00 p.m. at the Woodland City Hall, 100 Davidson Avenue, Woodland WA 98674.

\_\_\_\_\_  
Tom Golik - Chairman

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jody Bartkowski - Secretary

\_\_\_\_\_  
Date

**CITY OF WOODLAND**  
**HORSESHOE LAKE COMMITTEE NOTES**  
**APRIL 11, 2013**

The Horseshoe Lake Management Committee met on the above date, at the Woodland City Hall, 100 Davidson Avenue Street, Woodland, WA 98674.

Chairman Tom Golik called the meeting to order at approximately 5:05 p.m. Roll call found four of eight Committee Members (Tom Golik, Walt Church, Pat Rychel, Jeff Sullivan) present, Council Representative Scott Perry, and Secretary Jody Bartkowski.

**Due to a lack of quorum the regular meeting was cancelled.** Those members present remained and the following items were discussed:

**Minutes.** Approval postponed until May 9, 2013.

**Lake Pumping.** Reviewed pump readings. Discussed river fluctuations, river gauge locations, smelt runs, and sturgeon in Horseshoe Lake.

**Outlet Structure.** Discussed the Washington State Department of Fish & Wildlife's responsibility, follow-up options, and Stacie Kelsey's status.

**Water Quality & Sampling.** Tom Golik reported on Wednesday's aborted water quality testing voyage. Discussed options for borrowing a boat, use of the Fire Department's boat, the boat at the park shed, testing techniques, and graphing test results.

**Budget.** Staff will confirm the status of Clark and Cowlitz Counties contributions in May.

**Milfoil Eradication.** Discussion ensued regarding chemical treatment options, application by individual property owners along the lake, and what can be done during Stacie's absence.

**Lake Contamination Flyer.** Reviewed the flyer, discussed costs and distribution.

**Outlet Structure.** Discussed cleaning the grate and Lake levels at the structure and at homes along Island Airs Drive.

**Horseshoe Lake Recommendations Relating to Use of the Lake by Motorized Boats.** Discussed referring special use applications to the Committee for a recommendation before going to City Council.

**Weed Growth.** Discussed the location of new weed growth and the worsening situation.

**City Survey.** Discussed water fluoridation, taxing for park irrigation and maintenance, charging for the use of Horseshoe Lake Park, flower baskets in the downtown, creation of

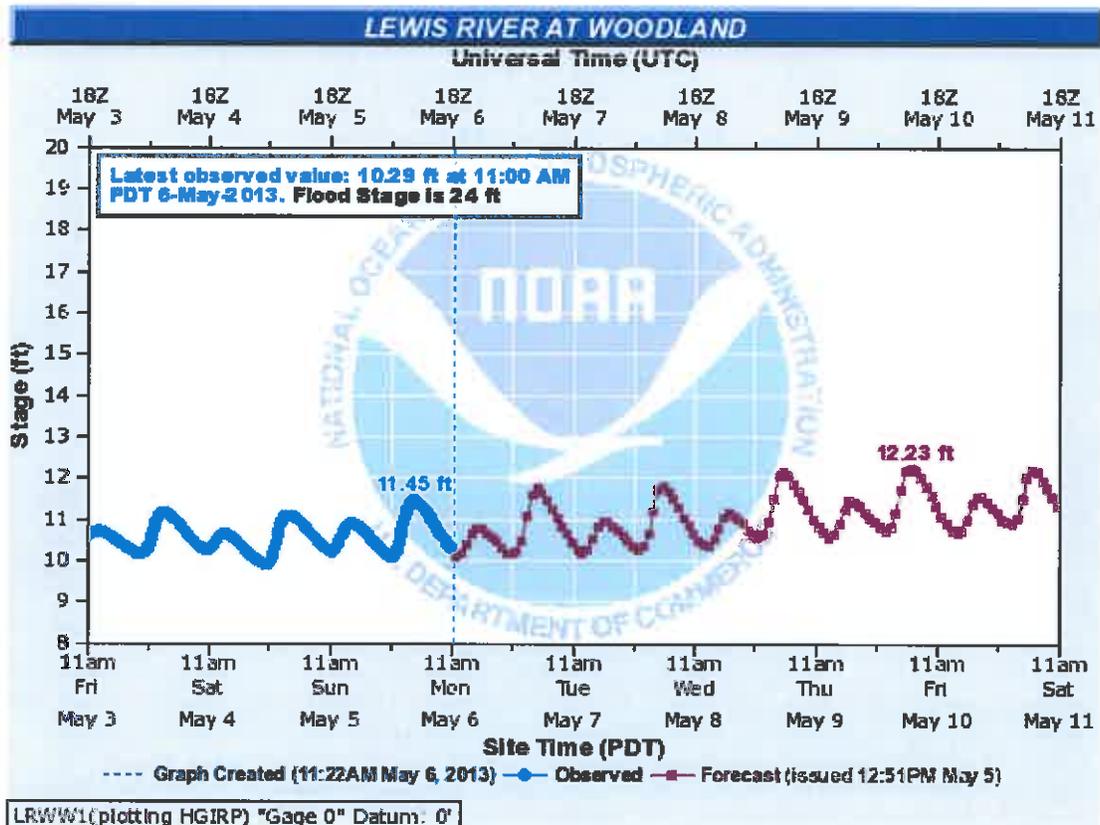
a volunteer program for park maintenance (pocket parks, downtown beds, etc.), and requesting park donations on special use agreement forms.

Those present adjourned at approximately 6:15 p.m. The next regular meeting will be held Thursday, April 11, 2013, at 5:00 p.m. at the Woodland City Hall, 100 Davidson Avenue, Woodland WA 98674.

DRAFT



**National Weather Service  
Advanced Hydrologic Prediction Service  
[water.weather.gov/ahps/](http://water.weather.gov/ahps/)**



Forecasts for the Lewis River at Woodland are issued routinely year-round.

Lewis River Levels - As of 8:00 A.M.

1-Mar-13	10.78	1-Apr-13	9.92	1-May-13	11.24
2-Mar-13	10.71	2-Apr-13	9.91	2-May-13	11.16
3-Mar-13	10.65	3-Apr-13	10.01	3-May-13	10.98
4-Mar-13	10.11	4-Apr-13	10.02	4-May-13	11.05
5-Mar-13	10.03	5-Apr-13	10.53	5-May-13	10.72
6-Mar-13	10.03	6-Apr-13	10.70	6-May-13	10.58
7-Mar-13	10.00	7-Apr-13	10.96	7-May-13	
8-Mar-13	9.57	8-Apr-13	11.97	8-May-13	
9-Mar-13	8.91	9-Apr-13	12.09	9-May-13	
10-Mar-13	8.86	10-Apr-13	12.73	10-May-13	
11-Mar-13	8.90	11-Apr-13	13.05	11-May-13	
12-Mar-13	8.97	12-Apr-13	12.70	12-May-13	
13-Mar-13	8.99	13-Apr-13	12.98	13-May-13	
14-Mar-13	8.91	14-Apr-13	12.38	14-May-13	
15-Mar-13	8.98	15-Apr-13	11.92	15-May-13	
16-Mar-13	8.95	16-Apr-13	12.03	16-May-13	
17-Mar-13	9.12	17-Apr-13	12.03	17-May-13	
18-Mar-13	8.81	18-Apr-13	11.68	18-May-13	
19-Mar-13	8.61	19-Apr-13	11.29	19-May-13	
20-Mar-13	9.68	20-Apr-13	11.35	20-May-13	
21-Mar-13	10.13	21-Apr-13	11.26	21-May-13	
22-Mar-13	8.92	22-Apr-13	11.23	22-May-13	
23-Mar-13	8.73	23-Apr-13	11.34	23-May-13	
24-Mar-13	8.84	24-Apr-13	11.06	24-May-13	
25-Mar-13	8.61	25-Apr-13	11.86	25-May-13	
26-Mar-13	8.71	26-Apr-13	11.92	26-May-13	
27-Mar-13	8.83	27-Apr-13	11.11	27-May-13	
28-Mar-13	8.96	28-Apr-13	10.98	28-May-13	
29-Mar-13	9.06	29-Apr-13	11.23	29-May-13	
30-Mar-13	9.09	30-Apr-13	11.36	30-May-13	
31-Mar-13	9.66			31-May-13	

AddyLab, LLC  
2517 E. Evergreen Blvd.  
Vancouver, WA. 98661



Phone: 360-750-0055  
Fax: 360-750-0057  
Email: reports@addyLab.com

May 2, 2013

Stacie Kelsey  
Inland Fish Program  
Region 5 WDFW  
Stacie.Kelsey@dfw.wa.gov

Dear Ms. Kelsey:

Enclosed are the laboratory reports for the Horseshoe Lake water samples collected 4/18/13. All results are intended to be considered in their entirety and AddyLab, LLC is not responsible for use of less than the complete report. Results apply only to the samples submitted to the laboratory for analysis.

If you have any questions, please give me a call. The reference number for this work is 13AL0614. Thank you for your business.

Sincerely,

A handwritten signature in cursive script that reads "Thomas A. Newman".

Thomas Newman  
Quality Manager

AddyLab, LLC  
 2517 E. Evergreen Blvd.  
 Vancouver, WA 98661



Phone: 360 750-0055  
 Fax: 360 750-0057  
 Email: reports@addylab.com

### Analytical Report

<b>Client:</b>	City of Woodland Public Works	<b>Reference #:</b>	13AL0614
<b>Project:</b>	Horseshoe Lake	<b>Date Collected:</b>	04/18/13
<b>Sample ID:</b>	1 - Skate	<b>Date Received:</b>	04/18/13
<b>Report Date:</b>	05/02/13	<b>Collected By:</b>	Jody Bartkowski

Lab #	Analyte	Result	Units	MRL	Method	Date Analyzed	Batch	Analyst
14402870	E. Coliform	<1	^	2.0	SM 9223 B	04/18/13 1130	32-50	JD
L631471-01	Total Phosphorus*	0.0094	mg/L	0.003	EPA 365.1	04/26/13	WG657835	-

Definitions:

- mg/L Milligram per Liter
- MRL Method Reporting Limit
- ND Analyte Not Detected at or above the Method Detection Level (MDL).
- J An estimate that is less than the MRL but greater than or equal to the MDL
- N Matrix interference, spike sample recovery not within control limits
- ^ Most Probable Number per 100 mL
- \* Total Phosphorus analyzed at ESC.

Test results for pH, color, anions except o-phosphorus, E. coli, coliform bacteria, and turbidity conducted by AddyLab meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. If you have any questions regarding these results contact Thomas Newman, Quality Manager.

Reviewed By:                     TMM                     Date:                     5/2/13



### Analytical Report

<b>Client:</b>	City of Woodland Pubiic Works	<b>Reference #:</b>	13AL0614
<b>Project:</b>	Horseshoe Lake	<b>Date Collected:</b>	04/18/13
<b>Sample ID:</b>	2 - Inlet	<b>Date Received:</b>	04/18/13
<b>Report Date:</b>	05/02/13	<b>Collected By:</b>	Jody Bartkowski

Lab #	Analyte	Result	Units	MRL	Method	Date Analyzed	Batch	Analyst
14402871	E. Coliform	<1	^	2.0	SM 9223 B	04/18/13 1130	32-52	JD
L631471-02	Total Phosphorus*	0.011	mg/L	0.003	EPA 365.1	04/26/13	WG657835	-

Definitions:

- mg/L milligram per Liter
- MRL Method Reporting Limit
- ND Analyte Not Detected at or above the Method Detection Level (MDL).
- J An estimate that is less than the MRL but greater than or equal to the MDL
- N Matrix interference, spike sample recovery not within control limits
- ^ Most Probable Number per 100 mL
- \* Total Phosphorus analyzed at ESC.

Test results for pH, color, anions except o-phosphorus, E. coli, coliform bacteria, and turbidity conducted by AddyLab meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. If you have any questions regarding these results contact Thomas Newman, Quality Manager.

Reviewed By:     *TAN*     Date:     5/2/13



### Analytical Report

<b>Client:</b>	City of Woodland Pubiic Works	<b>Reference #:</b>	13AL0614
<b>Project:</b>	Horseshoe Lake	<b>Date Collected:</b>	04/18/13
<b>Sample ID:</b>	4 – Left of K	<b>Date Received:</b>	04/18/13
<b>Report Date:</b>	05/02/13	<b>Collected By:</b>	Jody Bartkowski

Lab #	Analyte	Result	Units	MRL	Method	Date Analyzed	Batch	Analyst
14402872	E. Coliform	1.0	^	2.0	SM 9223 B	04/18/13 1130	32-52	JD
L631471-03	Total Phosphorus*	0.011	mg/L	0.003	EPA 365.1	04/26/13	WG657835	-

Definitions:

- mg/L Milligram per Liter
- MRL Method Reporting Limit
- ND Analyte Not Detected at or above the Method Detection Level (MDL).
- J An estimate that is less than the MRL but greater than or equal to the MDL
- N Matrix interference, spike sample recovery not within control limits
- ^ Most Probable Number per 100 mL
- \* Total Phosphorus analyzed at ESC.

Test results for pH, color, anions except o-phosphorus, E. coli, coliform bacteria, and turbidity conducted by AddyLab meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. If you have any questions regarding these results contact Thomas Newman, Quality Manager.

Reviewed By:     *TAN*     Date:     5/2/13



### Analytical Report

<b>Client:</b>	City of Woodland Public Works	<b>Reference #:</b>	13AL0614
<b>Project:</b>	Horseshoe Lake	<b>Date Collected:</b>	04/18/13
<b>Sample ID:</b>	7 - Raspberry	<b>Date Received:</b>	04/18/13
<b>Report Date:</b>	05/02/13	<b>Collected By:</b>	Jody Bartkowski

Lab #	Analyte	Result	Units	MRL	Method	Date Analyzed	Batch	Analyst
14402873	E. Coliform	<1	^	2.0	SM 9223 B	04/18/13 1130	32-52	JD
L631471-04	Total Phosphorus*	0.010	mg/L	0.003	EPA 365.1	04/26/13	WG657835	-

Definitions:

- mg/L Milligram per Liter
- MRL Method Reporting Limit
- ND Analyte Not Detected at or above the Method Detection Level (MDL).
- J An estimate that is less than the MRL but greater than or equal to the MDL
- N Matrix interference, spike sample recovery not within control limits
- ^ Most Probable Number per 100 mL
- \* Total Phosphorus analyzed at ESC.

Test results for pH, color, anions except o-phosphorus, E. coli, coliform bacteria, and turbidity conducted by AddyLab meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. If you have any questions regarding these results contact Thomas Newman, Quality Manager.

Reviewed By:     TAN     Date:     5/2/13



### Analytical Report

<b>Client:</b>	City of Woodland Public Works	<b>Reference #:</b>	13AL0614
<b>Project:</b>	Horseshoe Lake	<b>Date Collected:</b>	04/18/13
<b>Sample ID:</b>	9 – Walt Fence	<b>Date Received:</b>	04/18/13
<b>Report Date:</b>	05/02/13	<b>Collected By:</b>	Jody Bartkowski

Lab #	Analyte	Result	Units	MRL	Method	Date Analyzed	Batch	Analyst
14402874	E. Coliform	1.0	^	2.0	SM 9223 B	04/18/13 1130	32-52	JD
L631471-05	Total Phosphorus*	0.014	mg/L	0.003	EPA 365.1	04/26/13	WG657835	-

Definitions:

- mg/L Milligram per Liter
- MRL Method Reporting Limit
- ND Analyte Not Detected at or above the Method Detection Level (MDL).
- J An estimate that is less than the MRL but greater than or equal to the MDL
- N Matrix interference, spike sample recovery not within control limits
- ^ Most Probable Number per 100 mL
- \* Total Phosphorus analyzed at ESC.

Test results for pH, color, anions except o-phosphorus, E. coli, coliform bacteria, and turbidity conducted by AddyLab meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. If you have any questions regarding these results contact Thomas Newman, Quality Manager.

Reviewed By:     THN     Date:     5/2/13

2517 E. Evergreen Blvd.  
Vancouver, WA. 98661



Phone: 360-750-0055  
Fax: 360-750-0057  
Email: info@addylab.com

### CHAIN OF CUSTODY REPORT

REF# **13AL0614**

CLIENT / SYSTEM NAME: Stacie Kelsey  
REPORT TO: ADDRESS OR EMAIL  
stacie.kelsey@dfw.wa.gov  
bartkowskij@city.woodland.wa.us (225-7999)  
PHONE: 360-601-1169 FAX: 360-906-6777

INVOICE TO:  
Woodland City  
Public Works  
PO NUMBER:

TURNAROUND REQUEST IN Business Days\*

Organic & Inorganic Analyses  
 10  7  5  4  3  2  1  <1

STD. Petroleum Hydrocarbon Analyses  
 5  4  3  2  1  <1

STD. Please Specify  
 OTHER \_\_\_\_\_

\*Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES													
		6. coli	Total Phos												
1. Skate park ①	4/18/13 8:10:05														
2. F. Dock ②	✓ 9:50														
3. Left of K ③	✓ 10:10														
4. Raspberry ④	✓ 9:10														
5. Walt Fence ⑤	✓ 9:15	↓	↓												
6.															
7.															
8.															
9.															
10.															

MATRIX (W, S, O)	# OF CONT.	SAMPLE LOCATION / COMMENTS
W		Low-level T-Phos

Compliance: WA OR System / PWS ID #: \_\_\_\_\_ DOH Source / Source ID #: \_\_\_\_\_ Group (WA Only) : A B

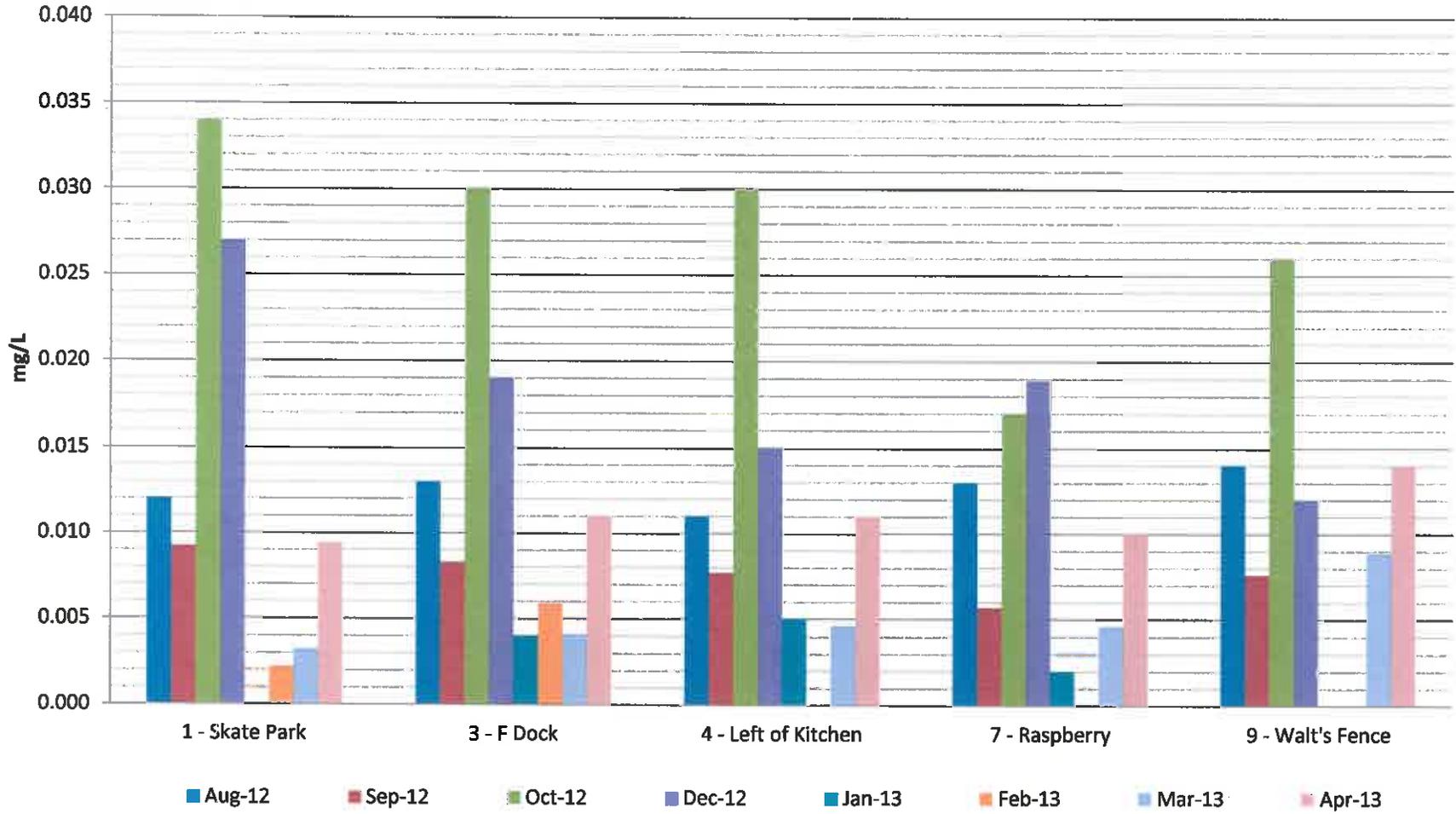
Sample Composition: Single Source \_\_\_\_\_ Blended \_\_\_\_\_ Composite \_\_\_\_\_ Distribution Sample \_\_\_\_\_

Sample Taken: Before Treatment \_\_\_\_\_ After Treatment \_\_\_\_\_ No Treatment \_\_\_\_\_ County \_\_\_\_\_

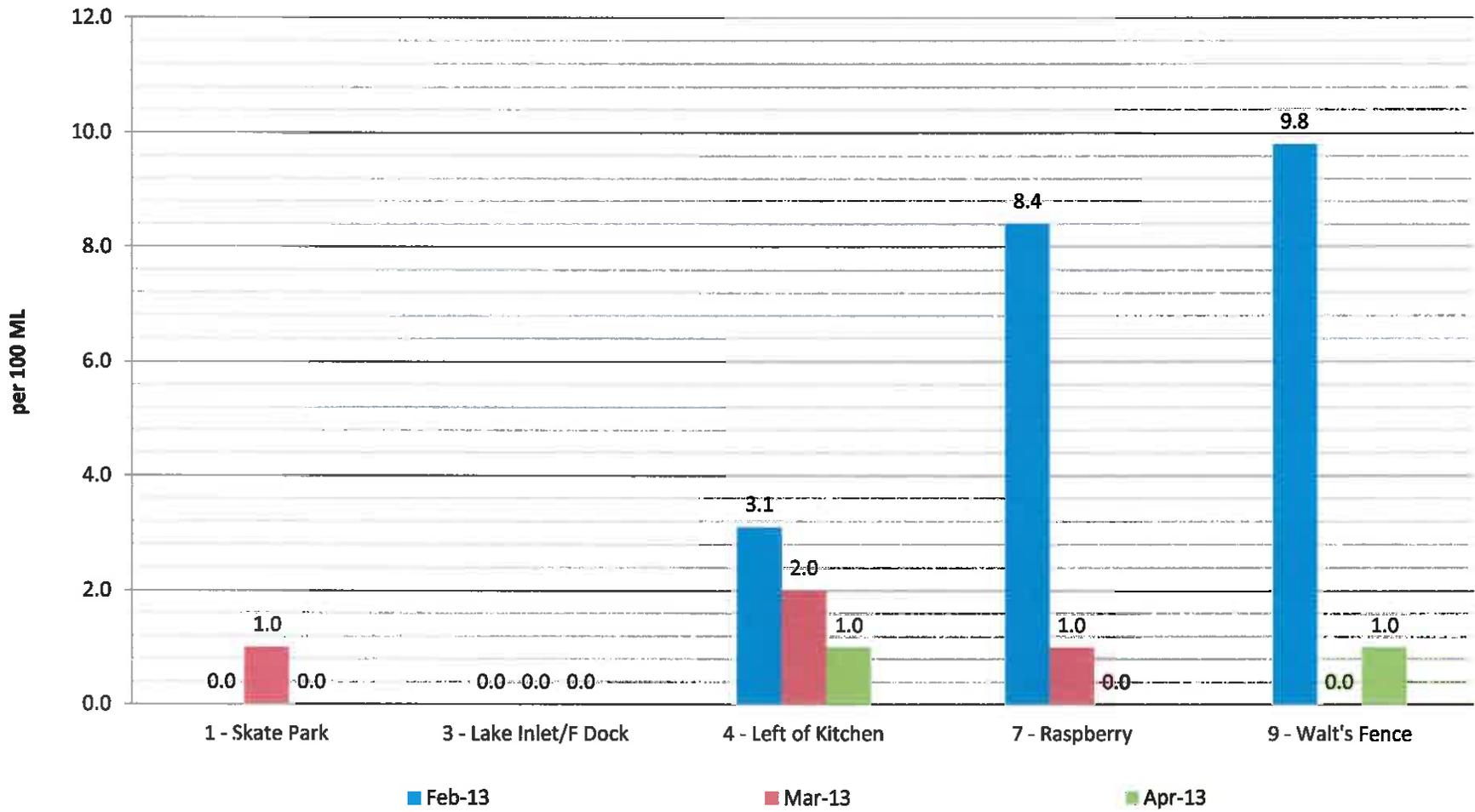
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME	TEMP. AL
Jody Bartkowski	City of Woodland			Allen Hankin		4/18/13	1055	4°C
Camille S. Meier	AL							PAGE 1 OF 1

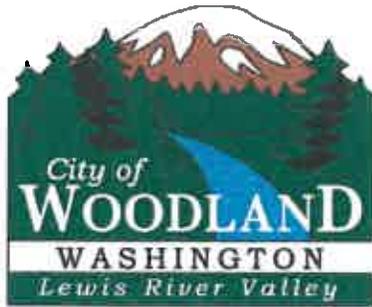
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### Horseshoe Lake Addy Lab Test Results Phosphorus



### Horseshoe Lake Addy Lab Test Results E. Coli





# HORSESHOE LAKE NEEDS YOU!

EXCESS PHOSPHOROUS & OTHER CONTAMINATES  
ADD TO DECLINING WATER QUALITY



You may not live on waterfront property, but if there is a storm drain or ditch nearby, it's just like you do. Storm drains and ditches carry runoff water directly to the lake. Whatever waters leave your property run into the water. That includes fertilizer, grass clippings, pet waste, and even septic liquids from unmaintained septic systems. All of these are sources of phosphorous and other contaminants that carry unwanted nutrients into the lake and turn it green with algae.

In late spring and early fall water temperature and density changes, allowing for what we call "lake turnover". Surface water sinks and mixes with bottom water causing the Lake to look an icky green color. This is not an indication of pollution, but a natural process.

## REMOVE LEAVES FROM THE STREET

- Rake leaves, seeds and grass clippings out of the street and gutter.
- Compost on site, bag for collection, or take to waste disposal depository.
- Never dump grass or yard clippings in the lake. Mower should discharge away from the street



## FERTILIZE THE LAWN, NOT THE LAKE

- Choose a zero-phosphorous fertilizer. The majority of Horseshoe Lake lawns are naturally high in phosphorous and will remain healthy without adding more.
- Sweep spilled fertilizer off paved surfaces.
- Remember, compost and manure contain phosphorous too.



## CLEAN UP AFTER PETS

- Scoop the poop! Pet waste contains phosphorous as well as harmful bacteria.
- DO NOT feed ducks, geese or grass carp!



## PREVENT EROSION

- Phosphorous attaches to soil. Keep soil from washing into the street or lake.



## WASH YOUR CAR IN DIRT, GRAVEL OR GRASS

- Grass and gravel filter the dirt and soap out of the water and keep dirty runoff out of storm drains and ditches. Soap will not hurt your lawn, but it will hurt fish and water quality.
- You can make your own biodegradable car wash by mixing one cup of liquid dish washing detergent and 3/4 cup of powdered laundry detergent (each should be chlorine and phosphorous free and non-petroleum based) with three gallons of water.



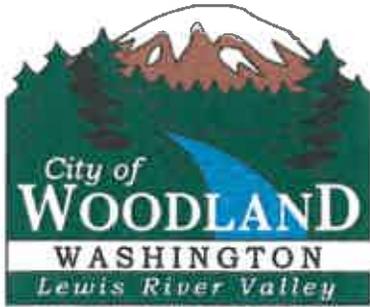
## CHECK-FIX-MAINTAIN YOUR SEPTIC SYSTEM

- If you are on a septic system, it is imperative to have it pumped as often as necessary.
- Unmanaged septic systems can leak potentially dangerous substances into the lake that can affect fish, humans and pets. If you assume your septic system is working fine because you haven't had to pump it in years, chances are it is in need of maintenance and may be seeping into the lake.
- For information on how to properly maintain your septic system, contact Cowlitz County Building and Planning at (360) 577-3052 or Clark County Public Health at (360) 397-8000. Free seminars are available on how to properly maintain your septic system.



FOR INFORMATION REGARDING THIS FLYER OR HORSESHOE LAKE - CONTACT WOODLAND PUBLIC WORKS AT (360) 225-7999

See us on the web at [www.ci.woodland.wa.us](http://www.ci.woodland.wa.us)



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## NO IRRIGATION AT WOODLAND PARKS IN 2013

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Due to continued reductions in park revenues, the City of Woodland will not be irrigating city parks this year. This includes Horseshoe Lake, Hoffman, Eagle and Kenneth Bjur Parks. For the last several years, park revenues have declined, forcing reductions in service. In previous years, the city cut three summer staffing positions and reduced maintenance on park structures like picnic tables and garbage cans. In 2012, the city did not water the east field at Horseshoe Lake Park.

Looking at revenue projections beyond 2013, the city expects the reduced funding levels to continue. The Park Board will be discussing possible funding options this year to increase the level of service in the parks for the future. If you are interested in "adopting" a park or volunteering for other duties, please call Bart Stepp, Public Works Director at (360) 225-7999

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### COMPLETE CITY SURVEY AT [WWW.CI.WOODLAND.WA.US](http://WWW.CI.WOODLAND.WA.US)

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The City is looking for feedback from its citizens regarding several important issues. Please take the time to complete the survey below and mail it back to the city or go to the City's *website* [www.ci.woodland.wa.us](http://www.ci.woodland.wa.us) and complete the survey there.

QUESTION 1: Should Woodland continue to add fluoride to the drinking water?

YES  NO  Don't Know

QUESTION 2: Would you vote for a tax increase to pay for the irrigation and maintenance of city parks?

YES  NO  Don't Know

QUESTION 3: Would you vote for a tax increase or car tab increase to fund transportation improvements?

YES  NO  Don't Know

Completed surveys can be mailed to:  
City of Woodland, P.O. Box 9, Woodland, WA 98674  
or placed in our payment drop box  
located in the public parking lot at 2nd and Davidson.

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# Canada geese become nuisance at park

## Droppings at Silver Lake raise health concerns

By KIERRELYEA  
The Bellingham Herald

**MAPLE FALLS** — A growing flock of resident Canada geese are creating a problem at Silver Lake Park, where their feces pockmark places that visitors also like to congregate — the children's playground, grassy picnic area and swimming beach.

"It's gotten progressively worse as the flock has gotten bigger," said Mike McFarlane, director of Whatcom County Parks and Recreation Department, adding that the feces have generated complaints from visitors and raised concerns about public health at the county park near Maple Falls.

McFarlane wants to reduce the number of resident geese, which he said could number as many as 80, to an acceptable level, stressing that he doesn't want all the

geese removed.

That has created concerns from some that the county plans to kill the birds, even as opponents acknowledge that the amount of goose droppings is an issue.

An adult goose can produce 1 to 3 pounds of droppings a day.

"There's no doubt the geese are a problem in terms of the feces," said Wendy Harris, a Silver Beach resident in Bellingham who is raising concerns. "It's inconvenient. It's ugly. It's disgusting. It hinders people's enjoyment. But is it dangerous?"

Harris believes the county is overstating health concerns related to the droppings, as well as public complaints. She wants greater study on managing the geese, including the crafting of a wildlife management plan for Whatcom County.

Silver Lake isn't the only place where resident Canada geese pose problems.

They were originally introduced

into Western Washington to bolster declining migratory goose populations. Over time, the population of resident geese jumped, especially in urban areas where there are few predators, a dependable supply of food year-round, and prohibitions on hunting.

Hunting isn't allowed at Silver Lake. Signs have gone up asking people to stop feeding the geese. Resident geese are those that don't migrate; they stay in a place year-round.

Canada geese like mowed lawns around homes, golf courses, parks, and similar spots next to open water — the same places that people like.

"Everyone likes to see them. Having geese around is great, but when you have too many it's really the droppings that create the problems and the nuisance," McFarlane said, adding that their feces contribute to swimmer's itch among people who use Silver Lake.