

HORSESHOE LAKE MANAGEMENT COMMITTEE AGENDA

5:00 P.M. - THURSDAY, OCTOBER 11, 2012

Woodland Council Chambers

100 Davidson Avenue – Woodland, WA 98674

- I. Call to Order
- II. Minute Approval - September 13, 2012
- III. Mayor Comments - Lake Tour Report
- IV. Continued Business
 - a. Pump Update
 - b. Water Quality and Sampling
 - c. Decoys/Wildlife
 - d. Budget
 - e. Goals & Priorities
 - f. Agency Contact Information
 - g. State Department Requests
 - h. Public Education
- V. New Business
 - a. None
- VI. Other
 - a. None
- VII. Adjourn - Next Meeting November 8, 2012 at 5:00 P.M.

CITY OF WOODLAND
HORSESHOE LAKE COMMITTEE MINUTES
SEPTEMBER 13, 2012

The regular meeting of the Horseshoe Lake Management Committee was held on September 13, 2012, at the Woodland City Hall Council Chambers, 100 Davidson Avenue, Woodland, WA 98674.

Chair Tom Golik called the meeting to order at approximately 5:05 p.m. Roll call found the following:

COMMITTEE MEMBERS:

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

MAYOR/COUNCIL:

Scott Perry, Councilmember

STAFF:

Jody Bartkowski, Secretary
Bart Stepp, Public Works Director

MINUTES

The August 9, 2012 minutes were approved as corrected.

CONTINUED BUSINESS

- 1. Lake Pump.** Public Works reported that the pump has been turned off for at least a week due to the low river level and the possibility of cavitation. Discussion ensued regarding water level, tidal fluctuation, the idea of a well, water rights, debris cleaned from the river at the pump, vandalism, fishing from the dock, no trespassing signs, closing the river so many feet below and above the pump, the last pump reading of 2,500 GPM, WSDOT responsibility, maximum pumping allowed by PP&L varying by pump condition, enlargement of the pumping hole, a two pump system, and Ranney Well pumping capability.

WSDOT is currently maintaining the pump with the exception of screen cleaning which is being done by the Public Works Department.

The City has not officially notified WSDOT that the pump is inadequate, but they are aware. Further discussion was held regarding the possibility of Mayor Laseke writing a letter to local representatives to force action by the WSDOT, the recommendation included in the latest report by FlowServe, and the Alum Study recommendation to extend the outlet pipe. Bart Stepp will discuss letter writing options with the Mayor.

- 2. Water Quality & Sampling.** Stacie Kelsey, Washington Department of Fish and Wildlife, presented handouts showing graphs of August and September water quality test findings. She recommends, based on findings and comparisons with Silver Lake that we find a way to do e-coli testing. Discussion ensued regarding testing by Addy

Lab and costs for kits, supplies, and samples. Staff reported that Mayor Laseke is speaking with both Cowlitz and Clark County Commissioners regarding assistance with costs.

3. **Decoys/Wildlife.** Committee members reported that the geese are back in residence. Discussion was held regarding hanging of the flappable eagle, problems in the grass becoming a pollution problem in lake, the use of coyotes, and spraying grass with geese repellent.
4. **Budget.** Budget was previously discussed in item 2 - Water Quality & Sampling. The 2012 proposed budget of \$1,200 is not adequate to cover the minimal phosphorous testing that is currently being done, let alone e-coli testing or vegetation management. Discussion ensued regarding methods for vegetation management; carp vs. chemicals. Scott Perry stressed the need to present budget numbers to City Council.
5. **Goals & Priorities.** Discussion ensued regarding options for decreasing vegetation, the use of chemicals and/or carp, and inviting the Commissioners and others on the agency contact list for a boat tour of the lake in the next two weeks. Bart Stepp will discuss this field trip with the Mayor.
6. **Agency Contact List.** Staff reported that the list will be updated to include Chad Hancock as an additional WSDOT contact and that everyone has responded except for the Cowlitz County Conservation District. Discussion ensued regarding inviting the entities on the agency contact list for a boat tour of the lake in the next two weeks.
7. **State Department Requests.** Staff reported that a draft letter has been prepared and will be sent to WSDOT requesting information regarding I-5 runoff into the Lake.
8. **Public Input.** It was reported that the Lewis River Review has agreed to write monthly articles regarding the Lake and Park. Tom Golik and Scott Perry will provide a list of subject matter.

NEW BUSINESS

None

OTHER

Lake Discharge – While taking water samples it was noted that Walt's Wholesale Meats is pumping water from their construction site directly into the Lake. They were contacted and do not have the necessary permits; WDFW will be following up. In addition, a fountain at the Fleischman home on Island Aire Drive may not be an approved device; Ms. Kelsey will look into this and contact them.

Vancouver Lake Coho – Coho are allowed into Vancouver Lake because it has direct access to the Columbia River, where Horseshoe Lake is land locked.

Shorelines – Public Works staff reported that work on the plan is progressing and that committee members may be contacted by Parametrix for additional information. Parametrix will also be attending a committee meeting prior to the plan being completed.

ADJOURNMENT

The meeting was adjourned at approximately 6:45 p.m. The next regular meeting will be held Thursday, August 9, 2012, at 5:00 p.m. at the Woodland City Hall Council Chambers.

Tom Golik - Chairman

Date

Jody Bartkowski - Secretary

Date

DRAFT

Jody Bartkowski

From: Grover B. Laseke
Sent: Tuesday, September 25, 2012 9:32 AM
To: Swanson, Axel; Stephanie Dunn; ron.wierenga@clark.wa.gov; Misnerj@co.cowlitz.wa.us; Mike Karnofski; Al Swindell; Benjamin Fredricks; Grover B. Laseke; JJ Burke; Marilee McCall; Marshall Allen; Scott Perry; Susan Humbyrd
Cc: Bart Stepp; Jody Bartkowski
Subject: Horseshoe Lake Tour

The City of Woodland Horseshoe Lake Committee is sponsoring a tour of Horseshoe Lake on Saturday, October 6, 2012 at 10:00 AM. Horseshoe Lake falls within the jurisdiction of Clark County, Cowlitz County and the City of Woodland. There are concerns over the condition of the water in the lake, the algae bloom and other contamination issues.

The goal of this tour is for county commissioners from Cowlitz and Clark Counties, or staff members, along with city council members to see the lake at its lowest level. This is a great opportunity to see the problems we are facing with the lake and have your questions answered. The tour should not last any longer than one hour and will be conducted rain or shine. So bring your umbrella or raincoat.

Please RSVP your attendance with me by replying to this e-mail or calling 360-225-8281.

Grover B. Laseke, Mayor
City of Woodland
PO Box 9 / 230 Davidson Ave
Woodland, WA 98674
360-225-8281 or 360-772-0371 (cell)
lasekeg@ci.woodland.wa.us

Jody Bartkowski

From: London, Mike [LondonM@wsdot.wa.gov]
Sent: Tuesday, October 02, 2012 10:48 AM
To: Bart Stepp; hancock@wsdot.wa.gov
Cc: Jody Bartkowski
Subject: Re: Horseshoe Lake Level

The float is installed, an electrician should be getting out there this week or next, to get it connected to a power source.

Sent from my Verizon Wireless Droid

-----Original message-----

From: Bart Stepp <SteppB@ci.woodland.wa.us>
To: londonm@wsdot.wa.gov, hancock@wsdot.wa.gov
Cc: bartkowskij@ci.woodland.wa.us
Sent: Tue, Oct 2, 2012 17:44:43 GMT+00:00
Subject: Horseshoe Lake Level

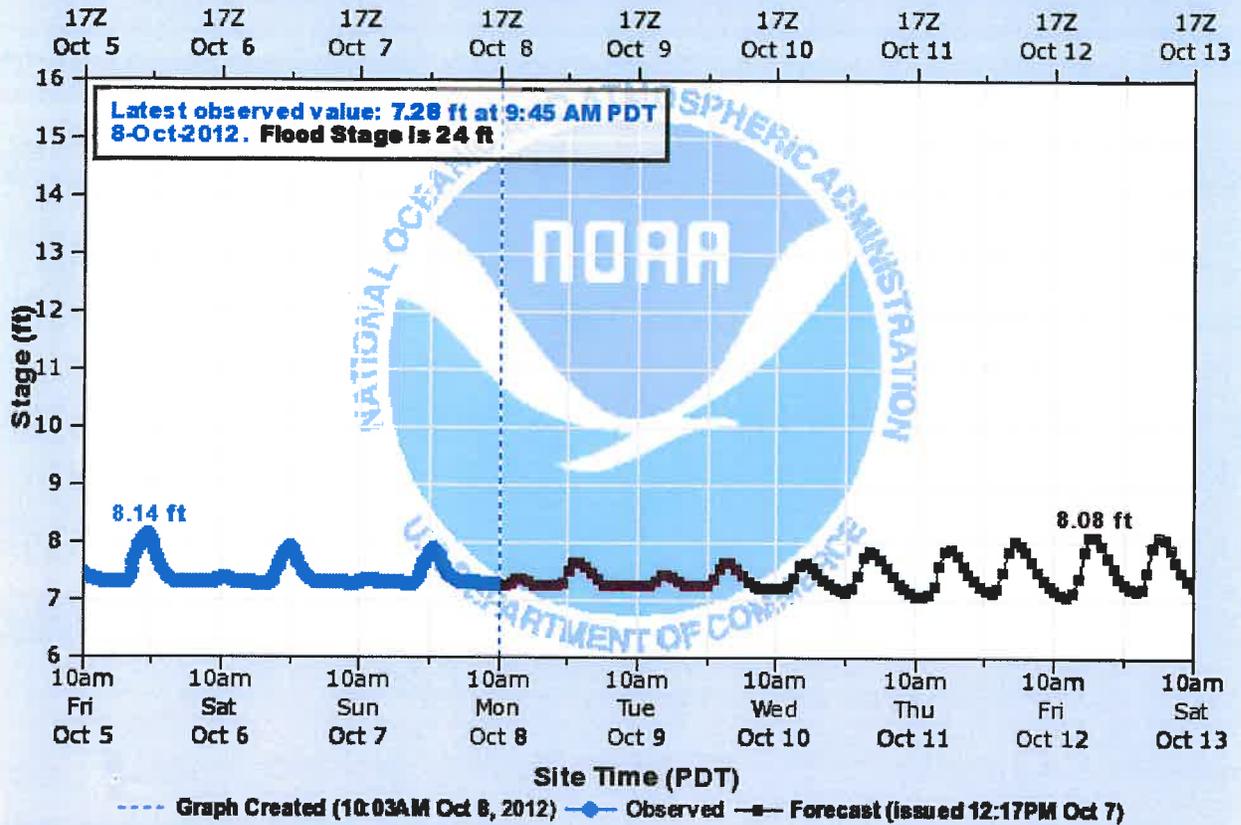
Mike and Chad,

I know that the river level is still down really low, especially at low tide, but the level in Horseshoe Lake has dropped to almost record lows and significant rain is not expected for a while. Is there any work being done on the float to maybe allow the pump to run at high tide?

Bart Stepp, PE
City of Woodland
Public Works Director
PO Box 9; 300 E. Scott Ave.
Woodland, WA 98674
(360) 225-7999
(360) 225-7476 (fax)

LEWIS RIVER AT WOODLAND

Universal Time (UTC)



LRWW1(plotting HGIRP) "Gage 0" Datum: n/a

Lewis River Level
As of 8:00 A.M.

1-Aug-12	9.87	1-Sep-12	8.14	1-Oct-12	7.34
2-Aug-12	9.74	2-Sep-12	8.09	2-Oct-12	7.33
3-Aug-12	9.38	3-Sep-12	7.80	3-Oct-12	7.35
4-Aug-12	9.83	4-Sep-12	7.76	4-Oct-12	7.38
5-Aug-12	10.18	5-Sep-12	7.92	5-Oct-12	7.41
6-Aug-12	10.30	6-Sep-12	8.34	6-Oct-12	7.36
7-Aug-12	10.68	7-Sep-12	8.67	7-Oct-12	7.38
8-Aug-12		8-Sep-12	8.42	8-Oct-12	7.45
9-Aug-12		9-Sep-12	8.59	9-Oct-12	
10-Aug-12		10-Sep-12	8.33	10-Oct-12	
11-Aug-12		11-Sep-12		11-Oct-12	
12-Aug-12		12-Sep-12		12-Oct-12	
13-Aug-12		13-Sep-12		13-Oct-12	
14-Aug-12		14-Sep-12		14-Oct-12	
15-Aug-12		15-Sep-12	7.33	15-Oct-12	
16-Aug-12		16-Sep-12	7.46	16-Oct-12	
17-Aug-12		17-Sep-12	7.48	17-Oct-12	
18-Aug-12		18-Sep-12	7.59	18-Oct-12	
19-Aug-12		19-Sep-12	8.14	19-Oct-12	
20-Aug-12		20-Sep-12	8.51	20-Oct-12	
21-Aug-12		21-Sep-12	8.31	21-Oct-12	
22-Aug-12		22-Sep-12	8.38	22-Oct-12	
23-Aug-12		23-Sep-12	8.50	23-Oct-12	
24-Aug-12		24-Sep-12	8.77	24-Oct-12	
25-Aug-12		25-Sep-12	8.46	25-Oct-12	
26-Aug-12		26-Sep-12	8.26	26-Oct-12	
27-Aug-12		27-Sep-12	7.75	27-Oct-12	
28-Aug-12		28-Sep-12	8.38	28-Oct-12	
29-Aug-12	8.81	29-Sep-12	8.35	29-Oct-12	
30-Aug-12	7.88	30-Sep-12	7.37	30-Oct-12	
31-Aug-12	7.88			31-Oct-12	

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LAKE PUMP MAINTENANCE LOG

DATE	TIME	RIVER LEVEL (360) 225-1701	GREASE BEARING (3 Shots Per Month)	OIL ADDED	OIL (5 Drops Per Min)	GPM	TOTAL GALLONS PUMPED	BY (Initials)	COMMENTS
11-7-11	10:40 AM			✓	✓	2485	764586	M.C.	
11-9-11	11:10 AM			✓	✓	2899	877537	M.C.	
11-14-11	10:1 AM			✓	✓	2413	28111	M.C.	
11-18-11	11:45 AM			✓	✓	2828	179360	M.C.	
11-21-11	11:30 AM			✓	✓	3114	279598	M.C.	
11-23-11	1:12 PM			✓	✓	4123	394914	M.C.	
12-7-11	11:9 AM		✓	✓	✓	2861	807997	M.C.	
12-15-11	10:9 AM			✓	✓	2876	915155	M.C.	
2012									
4-16-12	8:45 AM	18	✓	✓	✓	4179	386668	M.C.	
4-16-12	6:00 PM	11				4405			
4-16-12	6:01 PM	11				4475	405146	M.P.E.	Bridge Supervision
4-18-12	12:23 PM	11				4713	53399	M.P.E.	Checked by Mike London
4-20-12	9:05 AM					4370	626110	M.P.E.	Bridge Supervision
4-23-12	9:45 AM	19		✓	✓	4475	815296	M.C.	
4-30-12	9:45 AM	24		✓	✓	4569	254836	M.C.	
5-4-12	9:50 AM	24.5	✓	✓	✓	4315	518970	M.C.	
5-11-12	3:00 PM								
5-15-12	11:40 AM					4537	740509	M.P.E.	Bridge Sup Mike London
5-18-12	10:30 AM			✓	✓	4410	925100	M.P.	
5-21-12	12:45 PM			✓	✓	4410	938055	M.P.	Cleaned screens

LAKE PUMP MAINTENANCE LOG

DATE	TIME	RIVER LEVEL (360) 225-1701	GREASE BEARING (3 Shots Per Month)	OIL ADDED	OIL (5 Drops Per Min)	GPM	TOTAL GALLONS PUMPED	BY (Initials)	COMMENTS
5/23	11:20					3973	938339	MRL	Mike London turned pump on
5/30	3:00pm					4293	290281	MRL	Mike London
6-1	10:15pm	98	✓	✓	✓	3840	371341	M.C.	
6-4	9:30am					3980	507984	MRL	Mike London
6-8	9:50am	98		✓		4162	51557	M.C.	
6-12	11:30am	98		✓		4235	898179	M.C.	
6/13	9:49					4500	941481	MRL	Mike London
6-15	9:30am	98		✓	✓	3869	363791	M.C.	
6-18	2:30pm	98		✓	✓	4218	190193	M.C.	
6-23	2:45pm			✓	✓	4245	382679	M.C.	
6-25	2:45pm			✓	✓	4382	527150	M.C.	
6-29	2:50pm			✓	✓	4460	722777	M.C.	
7/3	11:22am					4220	907637	MRL	Mike London
7-6	2:45pm		✓	✓	✓	4333	59128	M.C.	
7-9	2:45pm			✓	✓	4279	200418	M.C.	
7-16	2:30pm			✓	✓	4349	524688	M.C.	
7-20	7:45AM			✓	✓	0	695383	M.C.	
7-23	9:30AM			✓	✓	3834	836093	MRL	
7-30	10:45AM			✓	✓	3531	148397	M.C.	

AKE PUMP MAINTENANCE LOG

DATE	TIME	RIVER LEVEL (360) 225-1701	GREASE BEARING (3 Shots Per Month)	OIL ADDED	OIL (5 Drops Per Min)	GPM	TOTAL GALLONS PUMPED	BY (Initials)	COMMENTS	
8-3	2:45 pm		✓	✓	✓		192237	M.C.	Pump off	
8-10	10:AM		✓	✓	✓	3263	343406	M.C.		
8-13	2:45 PM			✓	✓	3385	459985	M.C.		
8-21	9:40AM			✓	✓	3847	756087	M.C.		
8-24	2:40 AM			✓	✓	2941	884444	M.C.		
9-4	1:35 PM		✓	✓	✓	2509	295091	M.C.		
9-10	10:15AM			✓	✓	555	303862	M.C.		
9-11	1:AM			✓	✓			M.C.	cleaned screens	
				Breaker was off, Turned it back on for test						Allok back off!



P.O. Box 9
Woodland, WA. 98674
www.ci.woodland.wa.us

100 Davidson Avenue
FAX: (360) 225-1201

Fire
(360) 225-7076

Police
(360) 225-6965

219 Davidson Avenue
FAX: (360) 225-7467

Public Works
(360) 225-7999

230 Davidson Avenue
FAX: (360) 225-7336

Building
(360) 225-7299

Clerk-Treasurer
(360) 225-8281

Planning
(360) 225-1048

September 18, 2012

Washington State Department of Transportation
Southwest Region
Attn: Bart Gernhart, PE
PO Box 1709
Vancouver, WA 98682-6686

RE: I-5 Runoff into Horseshoe Lake

Dear Mr. Gernhart

The City of Woodland and the Washington State Department of Fish and Wildlife have recently begun water quality testing in Horseshoe Lake. One lake issue that has been discussed is stormwater runoff from surrounding areas entering into the Lake.

The Horseshoe Lake Management Committee would like copies of any documentation or drawings of storm water systems emptying into the Lake from I-5 that are available. This information will help the Committee in planning future Lake improvements.

Thank you for your assistance.

Sincerely,

Bart Stepp, PE
Public Works Director

CC: Horseshoe Lake Management Committee

Misiak, Mike

From: Bart Stepp [SteppB@ci.woodland.wa.us]
Sent: Wednesday, September 26, 2012 8:49 AM
To: Keniston, Rick; Bellinger, Dave
Cc: Misiak, Mike; Woodland Public Works: Bartkowski
Subject: RE: Horseshoe Lake

RECEIVED
SEP 28 2012
CITY OF WOODLAND

Thanks for the info on the drainage and yes if you have any plans for the pump station and pipe from the lake to the river that would be great.

Thanks,

Bart Stepp, PE
City of Woodland
Public Works Director
PO Box 9; 300 E. Scott Ave.
Woodland, WA 98674
(360) 225-7999
(360) 225-7476 (fax)

From: Keniston, Rick [mailto:KenistR@wsdot.wa.gov]
Sent: Tuesday, September 25, 2012 1:19 PM
To: Bellinger, Dave; Bart Stepp
Cc: Misiak, Mike
Subject: RE: Horseshoe Lake

From Dave's review of WSDOT files, our records do not show any drainage systems that outlet into Horseshoe Lake from I-5.

Rick Keniston, P.E.
WSDOT SW Region Project Development Engineer
(360) 905-2018
kenistr@wsdot.wa.gov

From: Bellinger, Dave
Sent: Tuesday, September 25, 2012 1:17 PM
To: (steppb@ci.woodland.wa.us)
Cc: Misiak, Mike; Keniston, Rick
Subject: Horseshoe Lake

Bart

You had inquired about any I-5 drainage plans that we may have regarding this lake, would you also be interested in any plans dealing with the pump station and pipe from the lake to the river?

Dave Bellinger
WSDOT - SW Region Design Services Engineer
360-905-2190
Office Address:
11018 NE 51st Circle
Vancouver, WA 98682
Mailing Address: