



*"Changing our World One Drop at a Time"*

**Waterford Waterway Management District**  
Board of Commissioners Meeting Minutes  
Nov. 21, 2009

**1. Call to Order**

Chairman Dick Kosut called the meeting to order at 10:00 AM at the Waterford Town Hall, Waterford, WI. Commissioners present: Brian Marx, Don Baron, Andres Peekna, John Bostrom, Barbara Baron and Kelly Cornelius.

**2. Approval of Minutes**

Motion to approve the minutes of the Oct 17, 2009 Board of Commissioners meeting were made by Cmr B.Baron and seconded by Cmr Peekna  
Minutes on file. Vote: 7 Yes 0 No

**3. Correspondence/Chairman's Report**

Nothing to report

**4. Treasurer's Report/Bill Payment Approval**

Cmr Marx submitted a detailed report for Nov 2009.

Motion was made to approve the Treasure's Report by Cmr B.Baron, seconded by Cmr Bostrom.

Reports on file

Vote: 7 Yes 0 No

\$403.75

Crispell Synder – Idlewood Dr Project

\$330.00

Wisconsin Assoc of Lakes

\$30.00

WWMD Attorney

Motion to approve payment of the above bills was made by Cmr B.Baron and

seconded by Cmr D.Baron

Vote: 7 Yes 0 No

**5. Project Updates**

A. Idewood Dr

There is a standing water problem in the area of the project that needs a little more work to complete this project. The engineer will be looking at it next week. To see what needs to be done.

B. Pontoon Classroom

Nothing to report

C. District History

See attached report

## 6. Information, Education & Marketing

### A. Information and Education

Comr Cornelius mentioned that her group has a new volunteer, Lynn Stanley, to help out with the newsletters.

### B. Public Relations

Comr D. Baron talked about the Marketing meeting which was combined with the Eco-System Restoration Committee (ESR) Meeting. They are starting by determining the list of tasks that will need to be done to start a marketing campaign. Also, at the next Marketing/ESR meeting Comr Cornelius will be talking about Wiki on the internet for tracking and organizing documents via the web.

## 7. Legislative/Waterway Ordinance

Comr Peekna discussed the fact that Zebra Mussels have become very dominate in the waterway. See attached report

## 8. Aquatic Plant, Navigation & Hydrology

Comr Bostrom said that the plants are in their dormant state right now. Lake and Pond Solutions will be taking water samples for next year. It was also mentioned that Comr Bostrom should begin looking into possible vendors for next year if Lake and Pond Solutions does not participate in the bidding process.

## 9. Executive Committee

See report below

## 10. Old business

- A. C.A.U.S.E. – Had their second fish stocking and they also thanked the WWMD for their contabution to that project. Their meetings will be held every other month starting in Feb. The CAUSE web site has been updated to show their upcoming events for 2010.
- B. FRC – Nothing to report. Next meeting is Dec 4 at 12:30pm

## 11. New Business

Nothing new

## 12. Opportunity for public to address WWMD Commissioners

No discussions

Respectfully Submitted,

Brian R. Marx, Secretary

**Meeting Guests** Nov 21, 2009

Bernd Kampe	4441 Riverside Rd	534-5644
John Bjork	5201 Riverside Rd.	534-5570
Roy Burlingame	6507 Willow Ct.	662-3553
Melissa Martin	6515 Willow Ct.	662-1244
Paul Beyerl	5517 Scenery Rd	514-3488
Lynn Stanley	5962 N. Riverbay Rd	895-3061

November 16, 2009

### History Committee Activities

As verbally reported at the October meeting, the first recording of the old days on the waterway has been accomplished. Mrs. Shirley Schmidt, 94 years old, recalled her families building a cottage on the lake in 1924 and all the good times that followed to this day.

A second interview with Bob Weltzien was held on Saturday, November 14<sup>th</sup>. His father owned Wally's Tavern, located on the west side of Tichigan Road, just across from Ice Herman's (Dooley's) and next to Fred Jobst's Minnow House. As a youngster he remembers that there was 5 permanent residents on Tichigan Road and he could name them! His grandfather owned Tichigan Inn -Tichigan Out. He has pictures of the old hotel with Potawatomi out front.

Additional interviews are scheduled and potential authors will be scheduled for discussion.

### Executive Committee

With the effort to prepare for the DNR meeting, the Exec Com did not meet. The following issues will be considered over the winter break with recommendations to the board at the February 2010 meeting.

- Development of Conservancy Districts for Elm, Martinique, Turtle, and Egg Islands along with the Tamarack Bog. Cooperation with the R-K Conservation District.
- Pros and cons of adopting a Shoreline Ordinance.
- Ways and means to involve the Village of Waterford into District activities.
- Incentives that will encourage the farming community to participate in storm water abatement projects.
- Future run off abatement projects: Birch-Cedar ravine, Waterford Lake, Buena Lake- Grand Drive, Jefferson Street. Viability and funding.
- Comparative analysis of WWMD special charge and those of neighboring districts.
- Integration of FRCause into WWMD meetings insures a coordinated effort.

### DNR Meeting follow-up:

Vision statement forwarded as requested. Steps leading to dredging activities are being prepared.

### Volume calculation:

Estimate of silt depth	
Area of water	1150 acres
Deduct clear areas in lake <u>350</u> a.	
	800 a.
800 x 43,560 s.f.	34,848,000 s.f.
2.5 average depth of silt	
2.5 x 34,848,000	87,120,000 c.f.
87,120,000 divided by 27	3,226,666 cubic yards

IM-09/5

## INCREASE IN ZEBRA MUSSEL INFESTATION IN THE FOX RIVER TICHIGAN WATERWAY

Andres Peekna, Ph.D.  
Innovative Mechanics, Inc.  
5908 North River Bay Road, Waterford, WI 53185-3035

Tel/fax: 262-895-4790

One of the Commissioners of the Waterford Waterway Management District  
<http://www.wvmd.info>  
2009-11-4

Location of the observation: Near the eastern shore of the waterway, just north of the entrance into Island View Bay, approximately 16 feet from the shoreline.

Ever since moving here in 2004, I've had a lakeside water-pump for occasional watering. Well water from my private well could have been used, but the nutrient-rich lake water is better for the dry-land plants, and by the time it filters through the ground back into the waterway, it will have much less nutrients.

The configuration of the water intake is shown in Figure 1. At the end of the intake pipe, there is a standard foot valve, which is a one-way check valve, whose main purpose is to prevent (possibly lubricant-laden) water from the pump from flowing back into the waterway. A second line of defense against foreign objects entering the intake is provided by a rectangular plastic cat-litter bucket, with dimensions as indicated in Figure 1. The cat-litter bucket is weighted down by four round rocks which take up its bottom, and is also tied horizontally to a dock-post with bungee cords.

At this location, the bottom is sand and gravel, but it is also at the borderline where the organic muck begins. In moving further out from shore, as the gravel bottom gets deeper, a nearly horizontal layer of muck takes over, and water above the muck pretty much remains at 20-21" depth. Probably due to wave action, muck tended to wash into the cat-litter bucket, filling its lower 5 inches.

Every year, in early November, I remove the pump (to prevent it from freezing), and dismantle the intake as well. In previous years, including 2008, I did not see *any* zebra mussels.

This year, as I first pulled out the intake pipe, 5 zebra mussels were attached to the foot-valve covering, some to brass, others to plastic surfaces. Over the top half of the plastic cat-litter bucket, I scraped off a total weight of 9 ounces of zebra mussels, filling approximately 1.4-1.5 measuring cups. Most were on the inside walls of the bucket, and all were above the muck level, pretty evenly distributed. There were none below the muck level. They must have got

inside the bucket via the annular space between the 2 inch diameter hole in the lid, and the approximately 1.25 inch outer diameter of the intake pipe.

Upon looking at other dock posts, I did not see any zebra mussels. This suggests that the slight current generated by the water pump intake attracted them, which makes sense in view of their stationary filter-feeding lifestyle. Or, the attracting currents may be due to wave action causing eddying at the perforated bucket walls.

Might this suggest low-current or eddying traps as a control measure?

The rapidity of the zebra mussel infestation advance surprised me. It also suggests that in the Fox River Tichigan Waterway, it is by now well established. I hope that this helps fill in the database of infestations by invasive species.

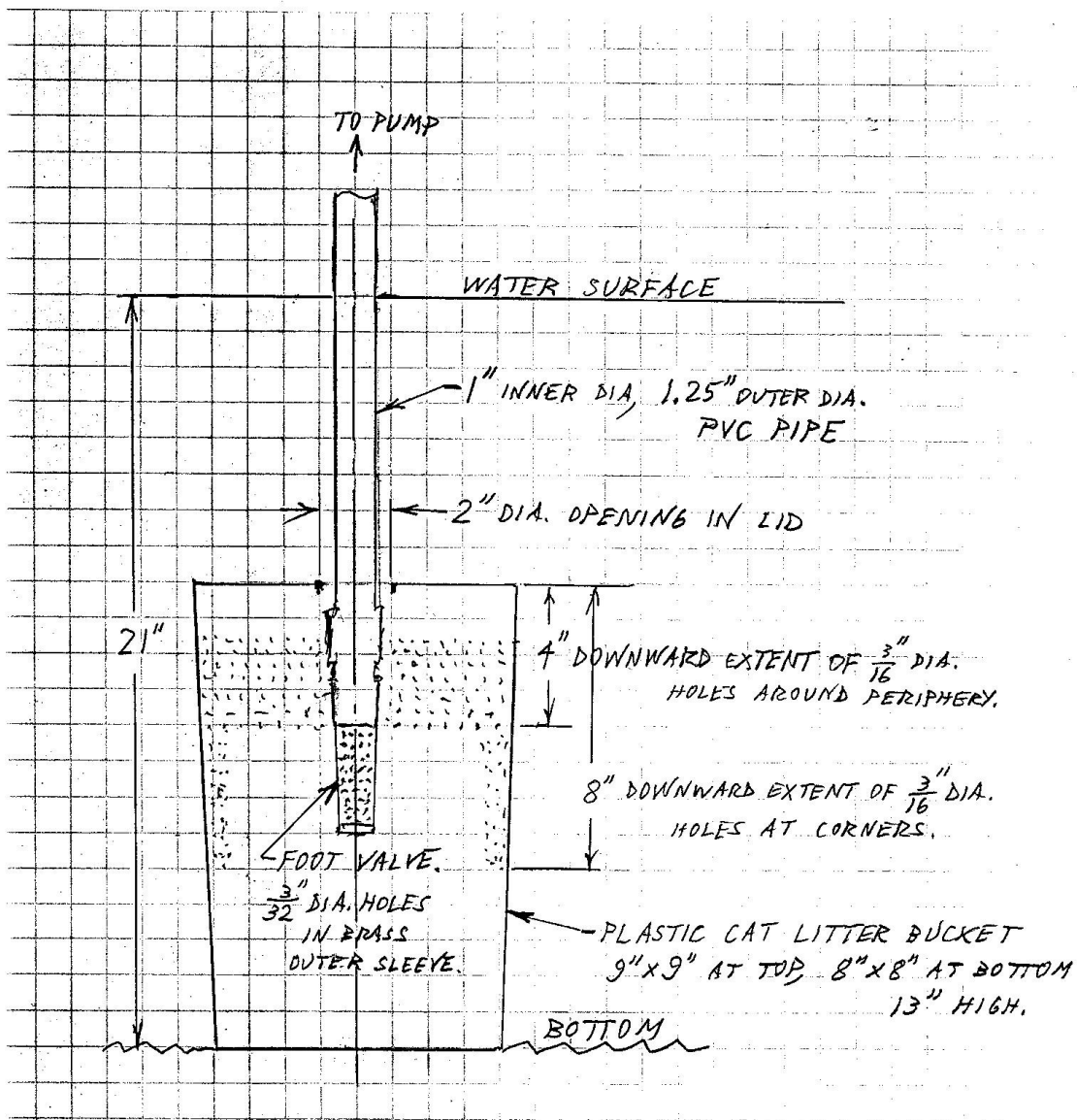


Figure 1. Pump intake, with foot-valve, and outer box.

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Accrual Basis

**Waterford Waterway Management District**  
**Balance Sheet**  
As of January 16, 2010

	<u>Jan 16, 10</u>
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
Equitable Bank - Checking	788.97
Equitable Bank - MM	61,554.58
Total Checking/Savings	<u>62,343.55</u>
Total Current Assets	<u>62,343.55</u>
<b>TOTAL ASSETS</b>	<b><u>62,343.55</u></b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Long Term Liabilities	
Conservancy Bay Project	18,000.00
Total Long Term Liabilities	<u>18,000.00</u>
Total Liabilities	18,000.00
Equity	
Conservancy Bay Project 1	-18,000.00
Opening Bal Equity	3,477.82
Unrestrict (retained earnings)	64,494.69
Net Income	-5,628.96
Total Equity	<u>44,343.55</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b><u>62,343.55</u></b>

## Waterford Waterway Management District Income Detail As of August 31, 2010

Type	Date	Name	Memo	Class	Clr	Split	Amount	Balance
<b>Ordinary Income/Expense</b>								
<b>Income</b>								
<b>Intergovernmental Income</b>								
<b>Grants</b>								
<b>Other Grants, As Assigned</b>								
Deposit	11/23/2009	South East Fox Riv...	Island viewbay proj...			Equitable Ban...	40,135.03	40,135.03
Total Other Grants, As Assigned							40,135.03	40,135.03
Total Grants							40,135.03	40,135.03
Total Intergovernmental Income							40,135.03	40,135.03
<b>Other</b>								
<b>Interest Income</b>								
Deposit	9/30/2009		Interest	General		Equitable Ban...	59.87	59.87
Deposit	10/31/2009		Interest	General		Equitable Ban...	56.95	116.82
Deposit	11/30/2009		Interest	General		Equitable Ban...	37.01	153.83
Deposit	12/31/2009		Interest	General		Equitable Ban...	60.60	214.43
Total Interest Income							214.43	214.43
<b>Miscellaneous Income</b>								
Deposit	9/17/2009	Cash	Leftover money fro...			Equitable Ban...	80.00	80.00
Total Miscellaneous Income							80.00	80.00
<b>Sales of WWMD Merchandise</b>								
Deposit	9/10/2009	River City Marina	Map Sales			Equitable Ban...	40.00	40.00
Deposit	9/10/2009	Other	Annual Meeting Sa...			Equitable Ban...	5.00	45.00
Total Sales of WWMD Merchandise							45.00	45.00
Total Other							339.43	339.43
<b>Special Charge Revenue</b>								
Deposit	9/10/2009	Town of Waterford	Final 2009 payment			Equitable Ban...	3,300.00	3,300.00
Deposit	9/17/2009	Village of Waterford	Final payment 2009			Equitable Ban...	240.00	3,540.00
Total Special Charge Revenue							3,540.00	3,540.00
Total Income							44,014.46	44,014.46
Net Ordinary Income							44,014.46	44,014.46
<b>Net Income</b>							<b>44,014.46</b>	<b>44,014.46</b>

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Accrual Basis

**Waterford Waterway Management District**  
**Expenses by Vendor Detail**  
 November 21, 2009 through January 16, 2010

Type	Date	Num	Memo	Account	Class	Amount	Balance
<b>Arenz, Molter, Macy and Riffle, S.C.</b>							
Check	1/4/2010	1443	Letter	Professional Expense...	General	30.00	30.00
Total Arenz, Molter, Macy and Riffle, S.C.						30.00	30.00
<b>Federal Tax Withholding</b>							
Check	1/11/2010		Federal Tax Withholding	Contingency Expense		16.96	16.96
Total Federal Tax Withholding						16.96	16.96
<b>South East Fox River Commission</b>							
Deposit	11/23/2009		Island viewbay project	Other Grants, As Assi...		-40,135.03	-40,135.03
Total South East Fox River Commission						-40,135.03	-40,135.03
<b>Wisconsin Association of Lakes</b>							
Check	1/4/2010	1444	Membership Dues	Dues & Subscriptions	General	330.00	330.00
Total Wisconsin Association of Lakes						330.00	330.00
<b>No name</b>							
Deposit	11/30/2009		Interest	Interest Income	General	-37.01	-37.01
Deposit	12/31/2009		Interest	Interest Income	General	-60.60	-97.61
Total no name						-97.61	-97.61
<b>TOTAL</b>						<b>-39,855.68</b>	<b>-39,855.68</b>



Idlewood Drive  
2009-2010

Income:

Amount Budgeted:	2009	\$10,000.00
Amount Budgeted:	2010	\$74,300.00
Donation		\$0.00
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Total Income for Project:		\$84,300.00

Date	Check #	Amount	Balance Available	Balance Spent	Vendor	Invoice#
4/2/2009	1383	\$ 312.00	\$83,988.00	\$312.00	Crispell-Snyder	
4/2/2009	1383	\$949.97	\$83,038.03	\$1,261.97	Crispell-Snyder	
4/16/2009	1390	\$150.00	\$82,888.03	\$1,411.97	Crispell-Snyder	
6/10/2009	1399	\$3,321.50	\$79,566.53	\$4,733.47	Crispell-Snyder	9234
6/25/2009	1402	\$4,478.00	\$75,088.53	\$9,211.47	Crispell-Snyder	9430
7/10/2009	1396	\$373.75	\$74,714.78	\$9,585.22	Crispell-Snyder	
9/1/2009	1374	\$ 350.00	\$74,364.78	\$9,935.22	Racine County	
9/1/2009	1411	\$ 1,530.00	\$72,834.78	\$11,465.22	Crispell-Snyder	
9/1/2009	1416	\$ 139.20	\$72,695.58	\$11,604.42	Southern Lakes News	
9/10/2009	1419	\$ 2,108.50	\$70,587.08	\$13,712.92	Crispell-Snyder	
11/5/2009	1441	\$ 1,704.60	\$68,882.48	\$15,417.52	Crispell-Snyder	
11/5/2009	1442	\$ 30,106.56	\$38,775.92	\$45,524.08	Augie's Excavating	
			\$38,775.92	\$45,524.08		
			\$38,775.92	\$45,524.08		
			\$38,775.92	\$45,524.08		
			\$38,775.92	\$45,524.08		
			\$38,775.92	\$45,524.08		



