

AGENDA

2014 September 11

Regular Meeting: 6 pm

Lincoln City, Council Chambers

801 SW Hwy 101, 3rd Floor



Quick Look:

- Aeration Scoping
- WQ Update
- Life Jacket Kiosk

Devils Lake Water Improvement District

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www.DLWID.org

I. Roll Call

II. Consent Agenda

- Minutes of the Previous Meetings
- Financial Report

III. Comments from Citizens Present on Agenda/Non-Agenda Items: *This is an opportunity for members of the audience to bring to the District's attention any item not listed on the agenda for public hearing. Comments are limited to five (5) minutes per citizen, and the Board of Directors may use the light system. Speakers may not yield their times to others, and as a general rule this is not a time for exchange of questions. At the conclusion of this agenda item, a board member may discuss or raise questions regarding an item presented by a citizen. The Chair has the authority to reduce the time allowed for comment in accordance with the number of persons present and signed up to speak.*

IV. Unfinished Business

(Agenda Support Item A)

- The Devils Lake Plan
 - Septic / Sewer
 - Save our Shoreline
 - Vegetation Management
- Communications Report
- Safety Report
- MidCoast TMDL
- East Devils Lake Road
- Policy Updates
- Harmful Algal Blooms
- Water Quality Monitoring
- Intern Report

V. New Business

(Agenda Support Item B)

- Life Jacket Kiosk (Randy Weldon)
- Internship

VI. Non-agenda Items

VII. Additional Comments from Citizens Present on Non-Agenda Items: *This is an opportunity for members of the audience to bring to the District's attention any item not listed on the agenda for board discussion. Comments are limited to five (5) minutes per citizen, and the Board of Directors may use the light system. Speakers may not yield their times to others, and as a general rule this is not a time for exchange of questions. At the conclusion of this agenda item, a board member may discuss or raise questions regarding an item presented by a citizen. The Chair has the authority to reduce the time allowed for comment in accordance with the number of persons present and signed up to speak.*

VIII. Board Comments & Announcement

IX. Adjournment

Meetings of DLWID are handicapped accessible under the ADA.

If special accommodations are needed, please contact the District Office at (541) 994-5330 48 hours prior to the meeting.

**Staff Reports 2014-09-11
Robertson & Laszlo**

Consent Agenda:

- Minutes of the Previous Meetings
- Financial Report: I wish to bring to the attention of the Board and declare for public record that the Invoice from All Ways Traveling for \$225 to cover the cost associated with the Senior Fair at Chinook Winds is a company owned by an immediate family member.

Unfinished Business

Agenda Support Item A

- a. **The Devils Lake Plan:** A watershed based plan adopted by the Board in 2011 that seeks to address the root causes of nuisance aquatic vegetation and/or Harmful Algal blooms which are excessive nutrients.

Executive Summary excerpt:* “Devils Lake is a shallow, 680 acre coastal lake that has long suffered from the effects of inputs of excess nutrients. Most prominent of these effects was the domination of the lake by nuisance aquatic plants in the 1980’s. Aquatic weed infestations largely choked the lake covering over 60% of the surface. Recreation was greatly impacted, and property values were in decline. In 1984, a local government entity, Devils Lake Water Improvement District (DLWID), was formed with the purpose of improving water quality, improving the environment for fish and wildlife, and generally reestablishing beneficial uses, including safe navigation and public access.

“Current concerns in the watershed are ongoing inputs of nitrogen and phosphorus, increasing sedimentation, erosion, stormwater, annual cyanobacteria blooms, and the threat of the return of nuisance aquatic plants to the lake.”

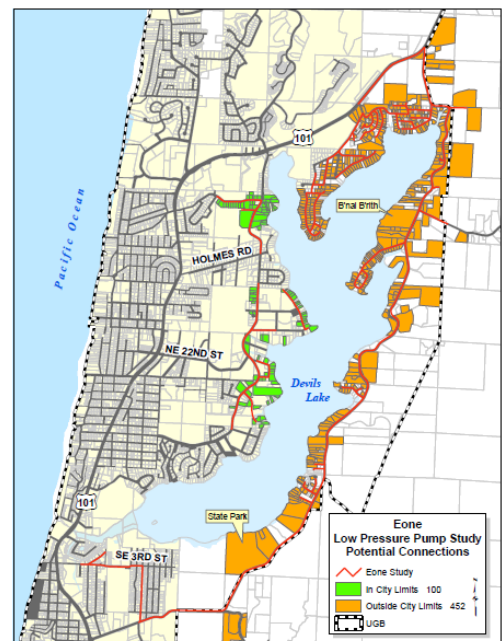
*View the full document online: http://www.dlwid.org/Projects/Devils_Lake_Plan/Devils_Lake_Plan_v2.1.pdf

Projects within the scope of the plan are being worked on simultaneously and are listed on the Agenda and in this staff report as subheadings. Updates to the work on the projects are presented month to month as change happens and are left on the agenda until the project is complete. For a full background and all updates, please refer to previous staff reports and the Projects Page of the District’s Website under these headings: <http://www.dlwid.org/Projects.html>

i. Septic / Sewer

- <http://www.dlwid.org/Projects.html#Septics>
- <http://www.dlwid.org/Projects.html#Sewer>

UGMA: I met with Richard Townsend, City Planner regarding the Urban Growth Management Agreement. There is no specific timeline beyond being within the current fiscal year. The process will likely not involve a hearing. Any public input would be through the council meeting or possibly planning commission meeting. Obviously this is a matter for the county as well



as thus the commissioners can be contacted as well as county counsel. Director Townsend suggested this is meant to be a less prescriptive (more general language) document, and that any suggestions in the agreement would have to back up by ordinances that the city would have to adopt (e.g. low impact development ordinance). I still feel it is prudent to pursue additional language in the document and will be in contact with the county on this in the future. I also still feel it would be beneficial for the District to define for itself how best development should occur to protect the lake. As such we should still consider a workshop of sort on this matter to develop a policy statement or other mechanism to address this within the District's boundaries. This may though we something we table for now and work on some smaller additions to the UGMA that make sense if that is the extent possible.

Director Townsend further stipulated that means to incorporate more direct language and policy intents are best suited in the Comprehensive Plan which he suggested would be forth coming in a subsequent fiscal year. The Comp Plan and the supplemental facilities master plans (sewer, parks, water, etc) are also important tools to direct the city and public policy affecting the city. As previously mentioned sewer master plan is required for the sewerage of Devils Lake to attract outside funding.

Sewer Master Plan and Environmental Review: The City has on its September 8, 2014 agenda a proposed contract award for a master plan update and environmental review. Deliverables expected April 2015!!! This is really good news as this what is needed to attract State Revolving Fund monies as well as USDA grants that were discussed in April 2014. This is real progress in the pursuit of sewers around Devils Lake.

To Do and Pending Items:

- Mandatory Septic System Inspection Ordinance: Lincoln City, goal is by 2014-12-31 per City Manager
- Full buildable lands inventory: Lincoln County - Sent follow up inquiry on 2014-08-06.
- Urban Growth Management Agreement: Lincoln City and Lincoln County, with FY 2014-2015
- Sewer Master Plan Update: Lincoln City – expected by April 2015
- Environmental Review of low pressure sewer backbone: City & DLWID expected by April 2015

Voyage LID: (Chair Green)

Direct Link to Engineer Report:

http://www.dlwid.org/Projects/Sewer/Voyage_LID.pdf

ii. Save our Shoreline (SOS)

- <http://www.dlwid.org/Projects.html#SOS>





Ava has developed a flier and door hanger about the program which we are getting printed currently. She will then conduct a door-to-door campaign to promote the program. We have also been sourcing plant material for distribution during the door-to-door campaign, and acquired additional seeds for seed packets to leave with those not able to plant a live plant or not home. Should the campaign be successful we will need to meet the new enthusiasm with staffing resources existing or otherwise. Simply coordinating to get people connected is time consuming and thus for this reason and others I am recommending extending the internship through December to accommodate.

I have been in contact with one of the recent prospective SOS project people, forwarding on to them a landscaper in the area. The landscapers ability to help the potential SOS “client” however was limited given the shoreline components present on their property (predominately rip rap). The client suggested they had a person they have worked with before and I encouraged them to pursue it. More to come for here, likley. Another potential client was also reached out to again this month, but received no reply.

We do need ideally better strategies to address the rip rap component present on this and other parcels. Planting in between the rocks should be possible given the right erosion prevention, but this is not something we have had expertise in and has largely been seen as difficult to address similarly as has planting right at the lake interface which

of course is also preferable. This is an erosion ripe environment and because of that we have not chosen to effectively excavate someone shoreline in favor of getting a few plants potentially established. The risk is substantial to the shoreline and is more aligned with an engineering project for shoreline stabilization than a shoreline planting which the SOS has been created to serve.

iii. Vegetation Management

- <http://www.dlwid.org/Projects.html#Vegetation>

No additional updates at this time.

b. Communications Report

- **Internet Streaming:** Meetings the DLWID are now available for live streaming and/or recorded streaming on the internet. The internet feed can be accessed via the City's website: <http://www.lincolncity.org/> by clicking on Agenda, Packets & Video or from the following link: <http://lincolncityor.iqm2.com/citizens/default.aspx>
- **Government Access Channel 4:** The District's monthly meetings continue to be broadcast live and throughout the month repeatedly airs. This channel is available for Charter subscribers.
- **Social Media:** The District uses these social media components to reach the general public periodically.
 - YouTube: <http://www.youtube.com/user/DLWID>
 - Facebook: <https://www.facebook.com/DevilsLake.Oregon>
 - Twitter: https://twitter.com/Devils_Lake
- **KBCH am 1400:** The District has had a standing interview spot on the THIRD Tuesday of the Month from 7:30 – 8:00 am.
- **100 History of Devils Lake:** Available on the web: http://www.dlwid.org/Communications/Know_Your_Lake/100_Year_History.pdf



New interior signage at OCCC.

- **Know Your Lake:** The District, led by Chair Brian Green, has been publishing informational articles in the News Guard. The articles are meant to inform the public on the activities of the District. You can download copies of the articles from our website's Project Page: <http://www.dlwid.org/Projects.html>
- **Devils Lake Radio 1610 am:** DLWID is the host of a low powered radio station at Regatta Grounds. The broadcast range is mostly line of site, but does extend through the area and certainly reaches East Devils Lake State Park too when functioning. Unfortunately due to a broken antenna connection and a loss of

computer memory we have been off the air for at least a month or so. I have able to fix the installation and recorded a few short messages recently including one about the HABs water contact advisory. My goal is to have the intern update the audio for

an improved and revitalized messaging on invasive species and other interesting topics. The radio station was provided to us by Sea Grant and Hatfield Marine Science Center as an outreach tool for invasive species monitoring and we have had a recorded message airing on it since its establishment many years ago now. In order to get more use out of the tool I think revisiting the signage at Regatta and EDLSP is worthy and will pursue that too as time or staffing becomes available.

- Lincoln City Chamber: I have been asked to be the guest speaker at Tuesday, September 23, 2014 Lunch Forum at Chinook Winds
- Lincoln City Kiwanis: I have been asked to be the guest speaker at the Thursday, October 23, 2014 Lunch at Surftides.
- Senior Fair: As mentioned in the supplement to the consent agenda the Senior Fair is upcoming which we have scheduled to have a booth at again this year. The event is Tuesday October 7, 2014 from 9 am to 6 pm which has served a primary outreach component for the District. We are eligible to use our large tent again in the halls as we debuted last year, as well as can be part of the punch card program they initiated last year which saw hundreds of people come to our exhibit. We have attended this event for most of the last nine years and the District budgeted it again this year to the amount of \$250. The cost of the booth is \$225.
- Oregon Lake Association: Annual conference is Friday – Sunday, October 10th -12th in Astoria. I am again the conference chair this year (Co-chair last year at the joint conference) and will take over as Board President this fall. Registrations available at www.OregonLakes.org for other interested parties.

c. **Safety Report** (Robertson) We recently updated our Safety Policy and have incorporated safety components into the Personnel Policy and Procedures. A formal Safety Manual will be developed in the coming months. We have been hoping at least, and in fact this is something our insurer has requested we complete from our last audit. As such we really need to complete this sooner than later. Our intern has begun to assess the collection of the new SDS to replace the MSDS and I feel that the Safety Manual is something we can entrust in her capable hands. Also she has audited our chemical list inventory and is working on relabeling the lab. Safety is no accident!

d. **MidCoast TMDL** (Robertson)

- <http://www.dlwid.org/Projects.html#TMDL>

Department of Environmental Quality (DEQ) has begun the planning process for developing an Implementation Ready - Total Maximum Daily Load (IR-TMDL) for 303(d) listed waterbodies in the Oregon Mid-Coast Basin. The initiation of this TMDL process has been a long-time in the works and the process itself will be lengthy stretching over the next 18 - 20 months. Devils Lake is listed for Weeds/Algae, Chlorophyll a and pH and Thompson Creek is listed for fecal coliforms, and thus as a local government we have been invited to participate. Notably, temperature listings are also proposed by EPA for the lake and one of its tributaries. Representatives from local, state and federal government, special districts, Tribal Nations, private industry, forestry, agriculture, conservation, NGOs, watershed councils, landowners, and others were also identified.

- Links to the DEQ's website are posted below.
<http://www.deq.state.or.us/WQ/TMDLs/midcoast.htm>
<http://www.deq.state.or.us/WQ/TMDLs/midcoastLSAC.htm>

Stakeholder Meeting: No meetings since our last DLWID meeting. View the website for more information.

Bacteria Technical Working Group: Next Meeting is September 11, 2014. A verbal update will be provided at our next meeting also on that day.

- e. **East Devils Lake Road**: Observed the county roads department evaluating the Rock Creek Bridge. Hope to have an update from them to share.
<http://www.dlwid.org/Projects.html#EDLR>

- f. **Policy Updates**: Postponed until further notice due to HABs.

The District has proposed updates and additions to its Policy Manual for the following items: **(Highlighted require further actions)**

- Policy and Procedures Manual (Adopted 2014-02-13)
- **Personnel Policy/Manual (Draft sent 2013-12-31: reviewed, edited, and tabled)**
- Mandatory Reporter Policy (Adopted: May 2013)
- Safety Policy (included in larger update)
- Financial Manual (Adopted 2014-01-09)
- Records Policy (Adopted 2014-01-09)
- Board Duties and Responsibilities (See Policy and Procedures Manual)
- **MSDS (Intern beginning to address the collection of new SDS)**
- Employee Training (Policy added to Personnel Policy - **Safety Manual forthcoming separately**)
- Light Duty Return to Work (included in Personnel Policy)
- **Investment Policy (Draft Sent 2013-12-31: Reviewed, edited and tabled)**

Links to these drafts are available on the website:

[http://dlwid.org/Board%20Directors.html#Board Official Actions](http://dlwid.org/Board%20Directors.html#Board%20Official%20Actions)

- g. **Harmful Algal Blooms:**

Scoping of Potential Aeration Project:

Entities Contacted with Abbreviations: Oregon Department of State Lands (DSL); Oregon Dept of Environmental Quality (ODEQ); US Army Corps of Engineers (USACE); NOAA-Fisheries or National Marine Fisheries Service (NMFS); UE Environmental Protection Agency (USEPA); Oregon State Parks and Recreation Department (OPRD); Oregon Department of Fish and Wildlife (ODFW); Oregon State Marine Board (OSMB); US Fish and Wildlife Service (USFWS).

I have spoken thus far with three agencies employees (ODEQ and 2 at DSL) regarding the needs assessment of an aeration project, plus received email correspondence from NOAA-Fisheries and USACE as I have developed and sent out a comprehensive email to agencies to address other potential requirements. I hope to hear back on more of these requests by your meeting. This is similar to the outreach we conducted when developing the Devils Lake Plan as well as the whole lake circulation plan back in 2008, so we have some idea as to what to expect as far as permitting and costs.

- DSL Removal / Fill: Certainly a removal fill permit and an easement from DSL will be required. The base cost is \$702 for a Removal Fill permit, with a 500 cubic yard allowance before additional fees are charged. This should be more than enough of an allowance based on my initial calculations. Carrie Landrum of DSL also did not expect any needs of mitigation needs associated with this project. She has been asked to reply via email as well.
- DSL Easement: Spoke with Michael DeBlasi who was the land manager for our area, but just recently got shifted over to removal fill, so I only have some info to date on this. A regular easement is an application fee approximately \$750, plus a one-time compensation fee which is based on the acreage covered. This is calculated based on 33% of the riparian property values less improvements to the land (e.g. bare lot 50' x 100' = 0.12 acres, with hypothetical upland land values around Devils Lake averaging \$200,000 would be approx \$1,670,000 per acre. 33% of that = \$550,000. If we had 100,000 feet of tubing as shown in one estimate and using 1' width for easement we would be covering approximately 3 acres at a cost of \$1,650,000. Communication easements however as an example have a 15' width minimum, so additional finding need to be explored). This is in the realm of what we discovered with the Native Plant Exlosures project discussed also back in 2008. There may be ways around this given public facilities (docks etc) are licensed freely, but this is going to take a fair amount of additional checking and confirming which is forth coming from Mr. DeBlasi. Should there not be a mechanism within DSL rules to allow an easement for an aeration project we will have to petition to have a rule made or some thing of that nature, possibly work with the Governor's Office. This is obviously too much money for the District to absorb to move forward a project that would likely be beneficial to the state's lands and would need an exemption.
- ODEQ: David Waltz offered to help vet the project though DEQ but firstly mentioned the dissolved gasses requirement that might come into play. He also mentioned funding which conceivable could be partly from OWEB, but their goals are generally restoration of the shorelines dealing with sources. Same is true for 319 funding which ODEQ administers for EPA. He did not see this ranking high as compared to septic abatement or sewer projects or similarly vegetating the shoreline.

Here is the OAR regulating Total Dissolved Gas:

OAR 340-041-0031
Total Dissolved Gas

(1) Waters will be free from dissolved gases, such as carbon dioxide hydrogen sulfide, or other gases, in sufficient quantities to cause objectionable odors or to be deleterious to fish or other aquatic life, navigation, recreation, or other reasonable uses made of such water.

(2) Except when stream flow exceeds the ten-year, seven-day average flood, the concentration of total dissolved gas relative to atmospheric pressure at the point of sample collection may not exceed 110 percent of saturation. However, in hatchery-receiving waters and other waters of less than two feet in depth, the concentration of total dissolved gas relative to atmospheric pressure at the point of sample collection may not exceed 105 percent of saturation.

http://arcweb.sos.state.or.us/pages/rules/oars_300/oar_340/340_041.html

- NOAA-Fisheries (NMFS): Ken Phippen, email response

Paul,

In terms of "permits" from NOAA Fisheries the most straightforward answer is related to answering this question: "Is there any Federal agency funding, permitting, or taking an action, such as assisting implementation" The last more clearly defined as a Federal agency actually implementing the project and since the District is actually implementing this activity the answer is likely no on that one. If the District does obtain funding from a Federal agency or a Federal agency determines a permit is required, then that agency would need to make an effects determination for OC coho salmon and determine if they need to consult with NMFS under section 7 of the ESA.

That is all the guidance I have for you at this time. If you would like to discuss in further detail, please contact me.

Thanks,

Ken

My interpretation ~ Based on the fact that we will have to have a joint removal fill permit application that goes to the US Army Corps of Engineers, there is certainly a chance the Corps may require a permit which may then require a consultation the NOAA-Fisheries (NMFS). As such I have sought a timeline estimate for a consult which the following was then provided.

Paul,

The effects determination is really going to depend on the details, so a bit premature for me to speculate on what the effects might be, thus challenging to discuss timelines.

This is a bit out of the ordinary, so not any examples I can think of in my 13+ years with NMFS, or more years with other agencies. So at this point I can describe four paths:

1. Assume the action fits one of our programmatic, that would be a 30 day response from NMFS to the Corps if all the information (read details of placement, maintenance, and operation) is provided upfront. May not fit a programmatic category (just an initial response)
2. Assume the Corps and NMFS agree the action is not likely to adversely affect OC coho, then that requires an informal consultation and 30 day timeline if all the information is available.
3. Assume there is some adverse effect, then this would be a formal consultation resulting in a biological opinion and 135 days at the soonest once we have all of the information.
4. Assume the Corps makes a "no effect" determination, then no consultation with NMFS and strictly a Corps timeline.

I know this is verging on unhelpful just because I don't know enough about what you are doing. A wide range of timelines here depending on the effects determination.

I added Mike Turaski to this string so that he is in the loop and can provide a Corps perspective.

Ken

- USACE: Michael Turaski was reached through a link from Ken Phippens. Previously the Corps was emailed through their website as there wasn't a good contact available. Mr. Turaski's response to the formal inquiry thus far is as follows:

With respect to Regulatory permits, if the project involves the placement of fill material or relocation of dredged material within Devils Lake, a Department of the Army permit would be required. (A permit from the State may also be required, please contact DSL if you have not already.) If it's just pipes and pilings and similar structural materials, a permit may not be required. Like Ken said, the details matter in making that determination, so I can't give you a clear answer based on the info I've seen. Let's talk further the week after next or sometime later and we can try to give you a more definitive answer.

With respect to funding opportunities, I check internally here at the Corps and we don't at this time see a clear opportunity to use our civil works authorities. Mr. Tim Kuhn, cc'd here, is a good point of contact if you'd like to explore that further.

As we get additional feedback from the other agencies I will forward that on to the board. There are considerable questions regarding easements in particular that need to be addressed which we will continue to work on with DSL.

- Aeration Contractor Request for Information: The District is working on developing a request for information for potential aeration vendors. We have already however received two proposals for aeration which are currently being reviewed again. The comparison of these and or other systems however is the professional purview of engineers, not necessarily environmental scientist and thus should we seek to develop an actual RFP for aeration based on information gathering, an engineer will need to be consulted. Typically public works contracts require an engineer's estimate of the project in order to even write a bid request (RFP). The same engineer or firm might be retained to evaluate the bids in order to qualify the vendors as well as insure the bids meet all the standards required. Infrastructure improvements of this scale is in my estimation are best left to those trained in suitable professions, so the District may want to seek to retain such an entity if it chooses to proceed past the scoping process we are engaged in now.

End of scoping updates available at print time!

h. Water Quality Update: these are provided each week via email and are update in the field at kiosks and are available online: <http://www.dlwid.org/Water%20Quality.html>

The District issued a water contact advisory on July 31, 2014 for toxins exceeded the state's guidelines. Values above 25 ppb were found at multiple sites. The state standard for this toxin is 10ppb. Additional testing showed that this has continued over the subsequent weeks with all sites above 25 ppb and at least one site exceeding 125 ppb. Given that we have reached the end of the recreational period we are opting to reduce the extent of the bi-weekly monitoring of toxins to include only a limited number of sites to gauge the bloom. Further we will be using the

strip test methodology to reduce staff time and analysis costs associated with monitoring the bloom until it is showing significant improvement.

We have also come to the end of the weekly E. coli monitoring season. As such we will not be conducting weekly analysis of these indicator bacteria. We instead will proceed with a new monthly protocol as was the direction of the board. Here is a summary of the 2014 season:

Bacteria Sample Results E. coli MPN per 100ml		2014-05-20	2014-06-04	2014-06-11	2014-06-18	2014-06-25	2014-07-02	2014-07-09	2014-07-16	2014-07-23	2014-07-30	2014-08-06	2014-08-13	2014-08-20	2014-08-27	2014-09-03
Station	New ID															
D River	DR-0	1	8	15	154	28	30	18	47	76	44	38	96	150	55	20
Campground	LZ-1	3	3	<1	11	4	22	3	1	1	10	4	4	8	6	7
Regatta Grounds	LZ-2	20	3	<1	11	34	3	8	33	866	<1	2	4	<1	7	1
Holmes Road Park	LZ-3	18	7	41	3	3	12	11	2	299	5	13	42	15	12	9
Sand Point	LZ-4	6	65	2419	1986	397	19	5	80	727	225	16	21	2	22	144
Neotsu K Street Beach Park	LZ-5	10	13	580	62	29	31	8	148	435	613	101	6	19	313	137
Thompson Creek at EDLR	TC-1	26	101	183	435	1733	<2419	1553	1553	<2419	<2419	920	192	201	231	228
Brown Bear State Park	LZ-6	5	73	6	<1	10	47	5	10	11	137	5	12	12	12	3
Rock Creek at EDLR	RC-1	11	173	80	26	35	124	56	127	<2419	461	93	64	194	93	
Replicate	-rep	7	5	10	11	13	6	9	47	1120	<1	3	43	<1	50	117
Split	-split	11	200	24	22	1120	27	29	6	687	161	2	17	NA	7	3
Blank	DLW-QC	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

As you can see Thompson Creek continues to be highly impacted and new this year was the periodically high values at both Sand Point and Neotsu. While just speculative, this may be a function of failed septic systems near the area as this area is entirely on septic. Other causes could be increased dog visits or possibly visiting wildlife, but is a fairly recent phenomenon. The other item worth noting is the samples from July 23, 2014 which were taken after a large rain event showing that runoff is certainly linked to increased bacteria loading through much of the watershed.

i. Intern: Ava Laszlo

Water Quality:

I have continued to monitor Devils Lake water quality (E. coli, cyanobacteria, etc.,...). We resumed physical parameter testing in mid-August, including pH, dissolved oxygen, conductivity, temperature, and turbidity. I have continued to spend time editing and updating the documents associated with our water quality testing, including the DLWID Quality Assurance Project Plan (QAPP), E. coli Sampling and Analysis Plan (SAP), and HABs Sampling and Analysis Plan. These documents are nearing completion and will soon align with our current standards and practices.

In order to aid future District interns and employees, I created a PowerPoint presentation training document that fully describes how to implement the testing protocols the District has for using microcystin strip test kits. The kits provide quick, semi-quantitative results for cyanotoxin concentrations and provide insight to the health risks associated with certain types of recreation that may lead to ingestion of lake water.

On August 26th, I attended a Tech Team meeting with Salmon Drift Creek Watershed Council. The meeting entailed reviewing and discussing future grant applications and projects to be considered. These projects, if completed, would aid in improving water quality in and around the Devils Lake watershed.

Outreach:

On August 19th, I appeared on KBCH radio with Paul to discuss recent District activities and the current conditions of Devils Lake.

Following last month's board meeting and the discussion of re-vamping the Save Our Shoreline program, I took initiative to design informative door-hangers and posters (with much thanks to Dave Price for helping with product design), and look into ordering seeds & plants. We ordered seeds and are in the process of packaging them. I anticipate visiting the homes of lake front property owners the second half of September to introduce them to SOS and discuss SOS options for their shoreline. I expect to continue with SOS promotion and outreach in the months to follow, along with future GIS work including plotting properties whose owners have pledged to partake in the program. I anticipate great things to come from the program, and look forward to seeing positive results!

I've become comfortable in developing and assisting with list-serv information, and sending out weekly water quality updates. I've begun training to update and re-format the DLWID website, with the goal of completing a site "face-lift" in the next few months. We aim to increase the accessibility of the site and fluidity of its contents. In the following months, I anticipate continuing to work on the District's website and to develop list-servs.

Other agenda items for the future include continuing to contact chemical manufacturers of our lab supplies to request Safety Data Sheets to replace the obsolete Material Safety Data Sheets, creating templates for District quarterly e-newsletters, monitoring water quality, and addressing local questions and concerns about Devils Lake.

New Business

- a) **Life Jacket Kiosk:** (Randy Weldon) Director Weldon to explain current status. Funding for a project could be achieved through monies set aside for Outreach or a transfer out of Debt Service to Capital Outlay as may be a better budgetary category for this project which our auditor could inform us on.
- b) **Internship Extension and Internship Program Renewal for 2015:** The opportunity exists to extend the internship through December 19, 2014. This would otherwise expire by approximately October 17, 2014 due to budgeted estimates of a 17 week internship. Currently we are increasing the expected work load for the District with SOS projects, something not intended originally in this internship cycle. There are also many existing items currently be worked on that may extend past the prospective end date. One in particular is the database management which needs updating with now three years of data. While we use the data to produce our own internal work the database allows this information to be shared with ODEQ and others through the export function. Other tasks long over due include a rather substantial update to the website. With years of use and add ons, a few pages are in dire need to clarification and cleaning up particular the projects page. Other outreach needs include updates to the Devils Lake Radio which would be a good project for the intern and desperately needed.

There also now (as of April 2014) exists the desire to maintain monthly water quality monitoring, so these roles would be also the purview of this extension should it be provided. Similarly work to complete the MSDS and assisting with developing the Safety Manual is needed in this year, something not typical for our internship, but I feel we have a strong candidate suited for the challenge and this is not something regular staff has been able to accomplish given the HABS priorities. Frankly there are any number of items the intern could assist in including developing a removal fill application for aeration and I think we would greatly benefit from keeping the intern on for a couple of months. In the budget the board established an opportunity to employ through a temporary agency a part-time (8 hours a month) water quality assistant (estimated cost of \$2,250). Time that the current intern could cover these hours would then effectively be saved or could serve as a replacement.

On an indirectly related note, the timing for opening up an application period for the summer 2015 internship is nearly upon us. As such I would like to move this forward at this time verse expending additional time in the very near future (October or November Agendas) to address the topic. As we continue to have success and benefit from offering these internships I would like to set up the next years now as well in preparation for next summer.

Staff Recommendation: Given the existing work load and that we have invested in an intern that has demonstrated exemplary work, it would my recommendation to make funds available to retain our intern through December 19, 2014 at the current rate. Cost would be approximately \$756 per week x 9 weeks = \$6,804. Draft Resolution would utilize funds transferred out of Debt Service.

Further I would recommend establishing an internship for 2015 similar to the work plans laid in the past. Handling this earlier like last year enables us to solicit more qualified applicants. An offering would be made available to students for winter break.