

AGENDA

2015 July 02 – Date Changed

Regular Meeting: 6 pm

Lincoln City, Council Chambers

801 SW Hwy 101, 3rd Floor



Devils Lake Water Improvement District

Post Office Box 974, Lincoln City, Oregon 97367

Phone: (541) 994-5330 Fax: (541) 994-6040

www.DLWID.org

Quick Look:

- Swearing In
- HABs
- Internship

I. Roll Call

II. Swearing in of Board Members: French, Norris, Sexton

III. Election of Officers

- a. Chair, Vice Chair, Treasurer

IV. Regular Meeting Date/Time/Place

V. Consent Agenda

- a. Minutes of the Previous Meetings
- b. Financial Report

VI. 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.*

I. Unfinished Business

(Agenda Support Item A)

- a. The Devils Lake Plan
 - i. Septic / Sewer
 - ii. Save our Shoreline
 - iii. Vegetation Management
- b. Communications Report
- c. Safety Report
- d. MidCoast TMDL
- e. East Devils Lake Road
- f. Harmful Algal Blooms
- g. Replacement of the Water Impoundment Device (The dam)
- h. Water Quality

II. New Business

(Agenda Support Item B)

- a. Internship

III. Non-agenda Item

IV. 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.*

V. Board Comments & Announcement

VI. Adjournment

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.

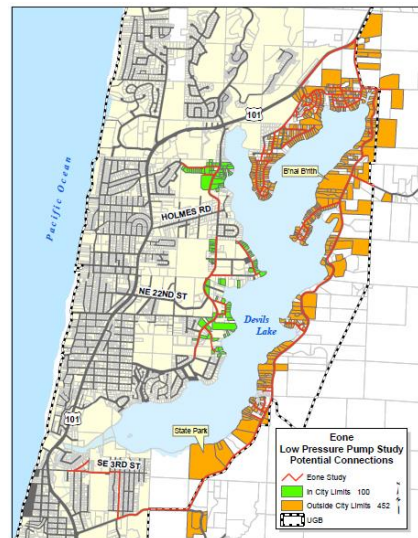
“Current concerns in the watershed are ongoing inputs of nitrogen and phosphorus, increasing sedimentation, erosion, stormwater, annual cyanobacteria blooms, and the threat of the return of nuisance aquatic plants to the lake.”

*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>

To Do and Pending Items:

- Mandatory Septic System Inspection Ordinance: Lincoln City
- Full buildable lands inventory: Lincoln County - By July 1
- Urban Growth Management Agreement: Lincoln City and Lincoln County, with FY 2014-2015, DLWID to provide comments to City.
- Sewer Master Plan Update: Lincoln City – under city review.
- Environmental Review of low pressure sewer backbone: City & DLWID – Under City review

Voyage LID: (Chair Green): City Council at their June 22, 2015 meeting, unanimously moved forward the project. Construction bids are being sought.

ii. **Save our Shoreline (SOS):** No Update

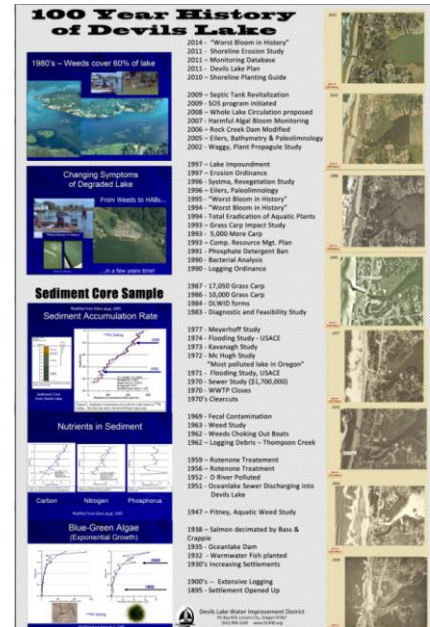
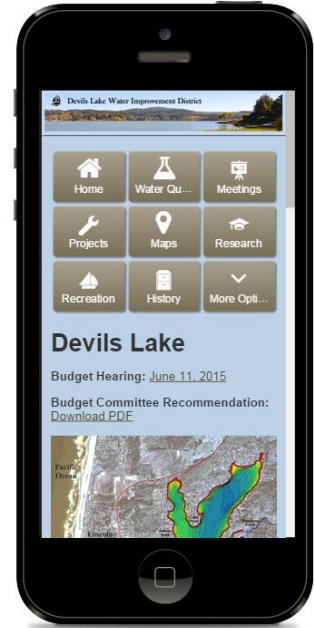
- <http://www.dlwid.org/Projects.html#SOS>

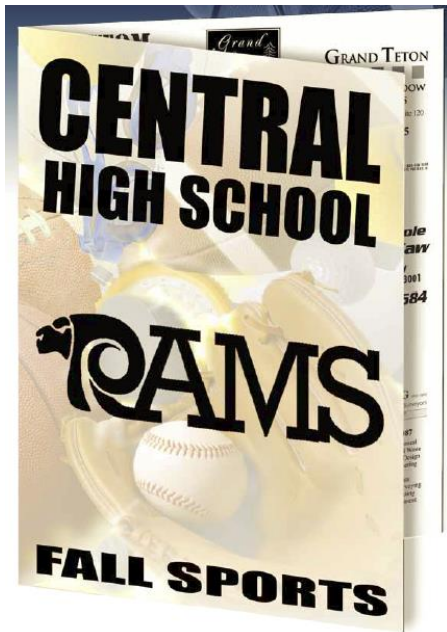
iii. **Vegetation Management:** No Update

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

b. **Communications Report**

- **Website:** www.DLWID.org - Mobile friendly version launched in June. Ongoing updates.
- **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.igmp2.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:** http://www.dlwid.org/Communications/Know_Your_Lake/100_Year_History.pdf
- **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: Short recorded messages broadcasted on 10 KW AM frequency from Regatta Grounds.
- Clearwater E-Newsletter: Summer issue just released! <http://myemail.constantcontact.com/Clearwater-E-Newsletter-Summer-2015.html?soid=1102761961457&aid=8ob552v9hiw>
- Devils Lake Revival: Saturday, July 18th, 2015 10-2 at Regatta Grounds.
 - Note: Was able to secure the use of a private pontoon boat. Seeking one additional.
- Advertising Request:

ALL-AMERICAN SPORTS POSTERS
On time, on the money... every time!

Toll Free: 1-888-357-9911
 www.WeHelpSchools.com
 sales@allamericanpublishing.com

HELPFUL INFORMATION

- 1,000 Roster Wraps will be printed.
- Roster Wraps will be handed out at sporting events throughout the year.
- School schedule/roster information will be inserted into the Roster Wraps.
- Ads and text will be printed in black ink on a full-color card stock background.

Ad Size: 2.5" x 1"

GCEC
 Grayson-Colin Electric Cooperative
 P.O. Box 548
 VAN ALSTYNE, TX 75495
 903-482-7100

\$125

Received request from All-American Publishing for advertising in Taft High School's athletic roster wrap used in sporting events at the high school. These are printed in black on colored card stock. Examples (not to scale) and costs shown below. If the Board is interested, action needed at this meeting with the cutoff of July 8th.

Ad Size: 3.5" x 2"

GO PATRIOTS!!!

LARRY L. MILLER, P.C.
 Attorney At Law

Hollymead Professional Center
 1534 Insurance Lane • Charlottesville, VA 22911-7229
 (434) 974-9776 • Fax (434) 974-6773
 larrymiller@larrymillerpc.com

\$200

Ad Size: 8" x 2"

usbank
 Five Star Service Guaranteed

\$300

c. **Safety Report** (Robertson)
 Conducted eye-wash station test / audit. Lack of use identified as potential hazard. Working with OCCC on this matter. DLWID to test weekly during summer water quality period. 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: No meeting since our last meeting.

- e. East Devils Lake Road:** participated in the initial stakeholder meeting May 21 9 am-12. Minutes from first meeting below. This collaboration should it move forward will likely be similar to the TMDL process.

Future considerations worth beginning a discussion on:

- 1) Should DLWID continue to participate? And if so at what level, general stakeholder, host meetings at OCCC, Executive committee?
- 2) What will be the time commitment be based on level of participation? TBD
- 3) Should DLWID help fund? - Cost analysis TBD by Oregon Solutions
- 4) Will DLWID have an official position, and how will that be determined?

Minutes:

East Devils Lake Road - Collaborative Assessment Meeting

Meeting Minutes

Oregon Coast Community College, Lincoln City
Thursday, May 21, 2015, 9:00 a.m. – 12:00 p.m.

Introduction: East Devil's Lake Road is a Lincoln County road that connects to Oregon Coast Hwy 101 at the south end of Lincoln City just north of the Outlet Mall. The road crosses wetlands and two creeks and is sinking as the environmentally sensitive wetlands rise. Nine months of the year, up to a foot of water covers the road. Both creeks support ESA-listed fish species migrate over the paved road surface.

Devils Lake Water Improvement District
Staff Reports: 2015-07-02

Meeting Objective: Identify stakeholders. Discuss the Oregon Solutions process and alternatives. Make a recommendation regarding the Oregon Solutions process.

Process Objectives: Coordinate the multi-agency and stakeholder interests in addressing the flooding issue. Review and prioritize feasible solutions and identify and align resources to enable the implementation of a preferred proposal.

Attendees: Commissioner Doug Hunt, Mayor Don Williams, Former Mayor Dick Anderson, Jackie Mikalonis, Paul Robertson, James “Steve” Hodge, Roy Kinion, Amy Ramsdell, Stephanie Reid, Jae Pudewell, Jason Kirchner, Ben Cox, John Spangler, Mary Camarata, Kirk Jarvie, Carrie Landrum, Chip Lazenby, Michael Mills, and Alyssa Bonini.

Meeting Summary

- Background and History

1. The Road

- Each year, the Western end of East Devil’s Lake Road (“The Road”) floods due to the gradual sediment buildup at the road and occasionally freezes when temperatures drop during the winter.
- The problem is worsening and road safety is of concern to Lincoln County residents, businesses and visitors.
- The road is a critical alternative access in the event of a local closure of Hwy 101.
- The challenge is to find a sustainable solution to the deteriorating road conditions that prevents further erosion of sediment and increases the safety of the road while protecting the unique peat bog habitat through which the road runs, and maintain a viable migration path for Coho Salmon, trout, and lamprey eels.

2. Natural Resources

- Fisheries- ESA “threatened species”. OC/Coho Salmon are a unique genetic group. Additionally there are steelhead, trout, and lamprey eel. Lamprey are particularly difficult to protect because they burrow into the sediment and are difficult to remove. In order to minimize the negative impact on the lamprey population, this section of the lake adjacent to the road would have to be dewatered and the flow would have to be detoured, during road improvement work.
- There is a scrub wetland on the North side of The Road, and an immersion/monkey peat soil wetland on the South side of The Road. The wetland on the South side of the road is a rare habitat and has been categorized as a Habitat 1 or 2 in terms of the Habitat Mitigation Policy. The wetland is home to a diverse selection of unique species, and any solution to the road problem must not negatively impact the hydrology of the wetland or increase the human/vehicular footprint.

Round Table and Opportunities for Collaboration

Meeting participants brainstormed to pinpoint the issues involving The Road, possible solutions, stakeholders, and starting points. General consensus was that working as an Oregon Solutions Project would help demonstrate the importance for solving the problem, bring clarity to the multiple options, help identify funding options, a plan of action and a governance body.

- Priority is to create safe conditions for drivers using available finances and with minimal impact on aquatic and wetland species and their habitat.
 - There have been three options discussed:
 1. Do nothing;
 2. Build two bridges, or one large span across affected area(s);
 3. Relocate road (\$4-30 million).(#2, the bridge options, have seemed the most feasible, though there is value in a fresh look. #3 is less attractive because ODOT has ongoing projects to make The Road more accessible from Hwy 101.)

- The sediment that is trapped by the sinking road has created a dam, increasing water flow over the road and diverting fish, forcing them to travel over the pavement surface.
- The county laid a new layer to the road surface six-years ago, but adding new layers periodically is not a long-term solution. The additional weight exacerbates the problem.
- There is a need for a bridge(s) for water to pass under, with space for two 12ft lanes plus 2-3 feet on either side for guardrails.
- Safe road conditions for residents of Lincoln County and for visitors. The community needs The Road to remain dry for most if not all of the year. The goal of the solution is to go higher, not wider. Road safety is important because The Road serves as an alternative exit strategy in the instance of a disaster or an accident on Hwy 101.
- Interest in recreational access and wetlands. Vested public interest in access to parks.
- In order to find a solution, participants must figure out how to brand the project and make it more marketable.
- Important to get signs up in the meantime and let the public know that the issue is acknowledged and is being taken seriously.
- Tolling could be an option. There would be a need to incentivize people to move such a large, costly program forward. Important to broaden the scope of funding options.
- There would be a need for an environmental review, hopefully deferring a full Environmental Impact Survey (EIS) until later. The tribal governments need to be involved in the process. Consider the Tribal Housing Project.

Next Steps

- Local Tasks:
 - Come up with ideal solution first, then devise method of payment.
 1. Options
 2. Gather community buy-in – Community needs to be ready or “primed” for action
 3. Feasible funding options? – Be aware of potential expenditure duplicates for different analyses
 4. Action plan? (How do we put 1-3 together? Who will take the lead? Who will pitch this to the County?)
 - Environmental assessment. Meet with environmental agencies on sight.
 - Identify stakeholders:
 5. B’nai B’rith Campground
 6. OWEB
 7. Lincoln County
 8. Mildred Johnson – Upland property owner (Possibility of purchasing upland property and mitigating problem from upstream?)
 9. Economic Development Agencies?
 10. Environmental NPOs/NGOs?
- Oregon Solutions-
 - Compile a project proposal including 1) resources; 2) a timeline; 3) possible outcomes; 4) costs. Return to Governor’s office within 30-40 days.
 - Schedule next meeting to be held sometime in mid-July.
 - Jackie Mikalonis will reach out to, and research, stakeholders.
 - Michael Mills will use the information gathered at today’s meeting and compile a budget and project proposal that can then be used as a basis for identifying OS process funding on a 50% matching basis. (Potential sponsors: Lincoln County, Lincoln City, Watershed

District, etc.) Michael is also willing to talk with the County Commissioners, WID Board and City Council, possibly all on the same day.

- Formation of an Leadership (Executive) Committee (5-6 people)

f. Harmful Algal Blooms: <http://www.dlwid.org/Projects.html#Aeration>

Aeration/Oxidation Project: The District received a proposed contract from Alex Horne Associates (AHA) of \$116,000. This included contributions from HBH Consulting and Engineering of Newberg, Oregon, and Atmos a consulting firm registered in the UK. Consideration of this proposal was part of the agenda of a Special Meeting scheduled for 2015-06-29. A summary of the proposal as submitted is provide here, but negotiations at time of this staff report are ongoing at this time.

Proposed Budget from Consultants

Task description	Consultant	Cost \$
Review data, determine methods to be used	AHA	3,000
Conceptual design of system, initial layout	AHA	7,000
Preparation of drawings to CAD scale, specification of pipes, compressors, regulators, diffusers size & shape	AHA-Atmos	10,000
Project supervision	AHA	4,000
Travel to the site (one trip)	AHA	500
Bid assistance	AHA	2,000
<i>Sub-total AHA</i>	AHA-Atmos	<i>26,500</i>
Project management	HBH	1,600
Permitting services	HBH	22,000
Survey services	HBH	7,500
Civil Design Services	HBH	24,500
Electrical-mechanical services	HBH	7,800
Project Specs & bidding docs	HBH	14,900
Bid assistance services	HBH	5,400
Reimbursables	HBH	2,800
<i>Sub-total HDH</i>	<i>HBH</i>	<i>89,500</i>
Overall TOTAL	All	116,000
Amount requested for bid assistance later	AHA+HBH	7,400
Total required to complete biddable documents	All	108,600

g. Replacement of the Water Impoundment Device (The dam): No Update.

h. Water Quality: Monitoring program continuing, updates available online, through email, and at Kiosks. Notably a harmful algal bloom is increasing in strength and thus caution is advised as the location and strength of that bloom is highly variable as winds move the bloom around the shoreline and lake. Visit the website for most updated information. <http://www.dlwid.org/Water%20Quality.html>

A. Internship: Media release:



The Devils Lake Water Improvement District is pleased to announce it has taken on a new intern for the summer! **Elizabeth Daniel** is a senior at Oregon State University. She is pursuing a degree in Fisheries & Wildlife with a specialization in marine conservation.

Each summer, DLWID offers an internship to promising students or recent college graduates interested in water quality monitoring and lake outreach. Interns conduct field research focused on water quality, perform routine water sampling analysis at the district office, and participate in outreach events within the watershed including the annual Devils Lake Revival.

Elizabeth was born and raised here in Lincoln City, until her family moved to Bend in 2003.

Growing up here made her appreciate all the wonderful things Devils Lake has to offer. Her memories and love of the outdoors has inspired her to have a career protecting our water resources. With this internship she hopes to gain valuable field experience and help preserve our beautiful lake.

At Oregon State, Elizabeth is an active member of the Fisheries & Wildlife Club and takes advantage of all the great opportunities it offers like tree climbing lessons and whale watching. She is also a member of the fraternity Kappa Kappa Gamma which has taught her how valuable servicing your community is.

Elizabeth enjoys all water activities, having learned how to swim before she could walk. Her favorites are scuba diving and wake surfing! She is thrilled to be back on the coast and a part of the DLWID for the summer of 2015!

Intern Report:

In my first week I have gone through a full orientation. Paul went over safety protocols in the lab and on the boat. He walked me through how to take both bacteria and cyanobacteria samples and then how to process them. I have learned how to update the website and list serve. I also completed the Summer 2015 e-newsletter, and I am looking forward to working on our upcoming events, especially the Revival.