

DRWW

Lakes Committee Meeting Notes

4/28/2016

Attendees: Mike Adam (LCHD), Gerry Urbanozo (LCHD), Alana Bartolai (LCHD), Jim Bland (UW-Wisconsin), **Joe Robinson (North Shore)**, Rob Flood (North Shore), **Mike Prusilla (SMC)**, Sharon Osterby (SMC), Mike Warner (SMC), Tom Morthorst (Citizen – Third Lake), Nick (DNR)

Red= absent from meeting

Mike Adam: Call the Meeting to Order

Approval of meeting minutes:

Alana Bartolai: Motion to accept

Gerry Urbanozo: Second

Public Comment: If meetings get larger, limit to one person per agency/organization, at current time – not an issue

Review of Lake County Lakes in the Des Plaines River Watershed

a) Summary of existing data:

- a. Secchi depth: top ones are gravel pits except Druce and Third (glacial)
- b. FQI: top 10 are glacial lakes/wetland lakes high biodiversity / floristic quality
 - i. Also issues with aquatic plant management (i.e. salem lake had a high one, but now lower due to herbicide treatment)
 - ii. Aquatic plants education issue for lake management
 - iii. Anything over >20 is great for aquatic systems (terrestrial not the same)
 - iv. FQI doesn't incorporate biomass – just species present

b) LCHD will update the list as much as possible

c) Fish species data (not complete) – data mostly from IDNR – needs to be updated

- a. Nick sent data to Mike Prusilla – need to combine data (separate ponds/streams/lakes)
- b. DNR tends to target gamefish

d) Phosphorus – top 10 are gravel pit lakes

e) Potential to do some more detailed analysis by morphometric type

f) Separate out ponds – streams – lakes to look at connectivity – structures acting as a barrier (dams/culverts)

- Macroinvertebrates in lakes: IEPA wants to develop,
 - Nova Scotia done lots of work
 - Not really anyone doing that for lake health
 - Ex: Loon Lake found 5 mussels in there (fairly unique)
- Morphometrics: most of the lakes have a bathymetric map
 - “Unknown” category are lakes we have not been able to get on, or too small for data.
 - Combine data sources VLMP, LCHD, IEPA
 - Where do we want to go with the information
 - Lake Bio-diversity Project with Holly Hudson used to identify for grant projects
 - Sanctuary ponds for raising fish
 - **Addition:** Lake Leopold should be added to the Lake Bio-diversity list
 - Grant money 303D Impairment committee should focus on priorities lakes that currently have good water quality and biodiversity.

- How to determine which lakes should be prioritized and how should lakes be prioritized.
- Develop metrics on determining the importance or impact of a lake and how to rank / categorize them. Hydraulically connected or isolated lakes.
- Jim Bland - What types of management or intervention should be taken into account.
- Education of Lake Management – Highlighting aquatic plant management which impacts fish and water quality.
- Recommending aquatic management plans along with plant management plan to HOA or lake communities.
- Compare lake data with stream data fish sampling and monitoring in the future.
- How will the different committees combine the data in the future? Impairment – Monitoring-Lakes
- Identify contacts to individual lakes representatives on their concerns. Send out a questionnaire.
- Form for lake groups to submit data – things are happening yearly that lake groups
- Data is fragmented
- Potential for data needs for lake monitoring (down the road/long term)
- Data needs: sediment monitoring , inlet monitoring
- Could VLMPs be used to collect more data
- Load allocations from stream monitoring
- Tom Morthorst : explaining data to public, problem with the lack of aquatic plants , fishing and sport fish. Figure out a way to reduce chloride from going into the lakes. How to maintain or improve conditions in the lakes.
- Each lake will have a unique need that needs to be addressed individually.
- Jim Bland – No educational outlet in the county for lake related things. Put pressure in the college and teach Lake Management or educate Lake managers and owners.
- Tom Morthorst – We need to get Lake Representatives to join in this meeting by sending out a form or survey. Lakes Associations are missing out by not attending the DRWW meetings by not utilizing the resources available.
- Sharon Osterby - Lake Associations were informed about the Lakes Meeting.
- Mike Warner – 9 Lakes study was a success.
- Mike Adam – send out a questionnaire to get input from lake managers. Invite them to a larger group meeting.
- Rob – Identify projects with real world solutions and get projects going.
- Jim – prioritize lakes and identify which lakes we should send a questionnaire
- Rob – identify lakes that have active management or solid contact.
- Sharon – Sending out a questionnaire to 90 lakes is not a problem since you are only going to get a limited response.
- Nick – Less than 20 lakes are owned by the LCFP
- Sharon – We need to get people to the table to discuss the issues for possible grant funding. Give prioritization to those who are interested. Who we are missing or update the contact list.
- Mike – pursue questionnaire, work with watershed plan list, develop layout of questionnaire – create a draft.
- Phone questionnaire and follow-up with a phone contact.
- Rob – explain the incentives of participating with the DRWW group.
- Sharon – ILMA in Crystal Lake involving DRWW
- Mike –ILMA PODS
- Jim – Sierra Club Canoe event

- Mike – Additional analysis with biodiversity, Data Gap with sediment, get the impairment committee started. Shoreline assessment. Next meeting – draft a questionnaire and send question ideas to Mike.
- Rob – wants to contact Frank Jackubicek to get the data if needed.
- Jim Bland – Illinois Institute of Technology – Zebra Mussel monitoring. How to go about monitoring and coordination with the University.
- Jim Bland Motion to adjourn.....