



CAC Meeting Minutes

Thursday, March 25, 2020
6:30-8:00 PM

Virtual Meeting

Join via <https://global.gotomeeting.com/join/134595389>

Attendees:	CAC:	Christian Morkeberg Christopher Crowhurst Jim Weninger	Woody Spitzmueller Matt Newman Ben Burnett
	Staff:	Kathryn Keller-Miller Jeff Anderson	Joni Giese
	Board members:	Curt Hennes	
	Guests:	Matt Tofanelli Loren Hanson Lisa Quinn	potential new member potential new member Board member Spring Lake Township

I. Convene meeting – 6:30 pm

II. Minutes & Agenda

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|--|--------------------------------------|
| a. January & February Minutes approved | Motion: Chris; Seconded: Jim; passed |
| b. March Agenda approved | Motion: Chris; Seconded: Jim; passed |

III. CAC business:

- a. Elect new secretary
 1. Ben was nominated and accepted nomination
 - a) Motioned: Chris; Seconded; passed
- b. Review CAC Bylaws revisions
 1. Many new updates were made after CAC review last month based on feedback from managers and staff. Edits were sent out prior to the meeting in a word doc with track changes.
 2. Woody moved to approve as sent; Seconded Matt
 - a) No further discussion
 - b) Voted and Approved
- c. New CAC member recruitment
 1. Two potential new members introduced themselves.
 - a) Matt Tofanelli – lives on lower section of Prior Lake by channel since 1988; involved with youth sports: soccer, alpine skiing. Wanted to get involved in water quality and something closer to home. Worked with trout stream restoration in the past.
 - b) Loren Hanson – Has lived on SE side of Spring Lake for 25 years; has been involved with carp projects on Spring Lake and clarity monitoring; enjoyed watching water quality improve over the years and wanted to help.
 2. Chris moved to recommend both to the PLSLWD Board for approval to join CAC
 - a) Seconded by Woody
 - b) No discussion on motion
 - c) Voted and Approved

3. Briefly discussed available sub-committees and sub-committee interest for new members, interests are indicated below
 - a) Matt Tofanelli subcommittee interest: Any/all, has a marine biology education
 - b) Loren Hanson subcommittee interest: Fish stocking, shoreline restoration (Melissa, Loren's wife, also interested)
 - c) Jim suggested this would be a good time to get involved in the new upper watershed projects

IV. Board Meeting Report

- a. CAC Member Report from February Meeting – Christian and Christopher
 1. Christian presented a summary of 2020 CAC work to the workshop before the meeting. There were lots of projects – good job!
 2. Steve McComas – Blue Water Science.
 - a) YouTube video of presentation <https://youtu.be/C5ApSsvBDdQ?t=1086>
 - b) Presented a report of aquatic plant life in our lakes. Based on a study he performed over the past few years, looking at two things: native and invasive species.
 - c) Found Upper Prior has successfully treated curlyleaf pondweed.
 - d) Spring Lake treated, but was not successful with treating, will treat again in 2021. Alum treatment should have helped, but organics neutralized affect, timing was the problem.
 - e) Recommended to treat for curlyleaf even when it is not bad
 3. Upper watershed blueprint presented and accepted as it was presented
- b. Next board meeting: April 13th CAC Attendee: Jim

V. Staff Project Updates

- a. Joni Giese - the new PLSLWD District Administrator - introduced herself
 1. Wrapping up 4th week of new job
 2. Previous work: licensed landscape architect – worked on water resource projects, decided to focus more on water resources
 3. She is impressed with work of CAC and the Watershed District
 4. Please reach out with questions/comments/suggestions
- b. Carp and fisheries presentation – Jeff Anderson (PLSLWD staff)
 1. Carp Removal - Why remove carp? reducing CARP leads to less phosphorus and clearer lakes
 - a) PLSLWD has an Award-winning program
 - b) In 2020 on Prior Lake, we have: 6 PIT tag stations, 500 tags, 15 radio tags to track carp; residents can use the “carp espionage” website to report carp.
 - c) Northwoods Pond CARP barrier – finished 3/2020
 - d) FeCl Facility carp Barrier – completed Aug. 2020, improved & restored function of carp barrier
 - e) Tadpole Carp Barrier – spring 2021 – newly navigable location, high water allowed them to do more. Was originally a water quality pond, added barriers to limit CARP spawning (gate with spikes)
 - f) Other carp removal projects:
 - (1) Seining, gill netting pilot project, push trap, baited box traps.
 - g) Carp removal summary:

CARP REMOVALS

Spring Lake

- 2020 Removals – 12,000lbs/ 2000 carp
- 2021 Removals – 7,500lbs/ 1250 carp
- Still far from goal, steady progress

Upper Prior Lake

- 2020 Removals – 19,000lbs/ 2050 carp
- 2021 Removals – 5,000lbs/ 540 carp
- Making progress, closer to goal

- (1)
- (2) Spring lake – younger – big population boom couple years ago
- (3) Upper Prior Lake – older and bigger fish – older established population

2. Fish stocking

- a) Bluegill – DNR has some hesitancy on how “natural” this is for the requested locations, we are getting some push back, it is being worked on.
- b) Walleye – DNR approved, in line current DNR stocking plan, good to go.

3. What's next? - continue IPM, last year of grants, research new methods, water quality & plants

4. Discussion:

- a) Ben volunteered his property on creek for carp removal
- b) Lisa Quinn also volunteered her location for carp removal
- c) Carp espionage has been a good way to get the data from many people in a more constant form that helps track carp schools

c. PLSLWD Staff Update (Kathryn)

1. I-LIDS contract is signed, DNR has signed off, on track for spring launch on Spring Lake
2. Ice out in process
3. Winter kills on several area lakes including Crystal, Pike and Buck Lakes – see article on PLSLWD website
4. New wetland sampling project to collect macroinvertebrates (bugs). Types of bugs will help indicate water quality. They need 35 two-liter bottles in the next month, drop off empty bottles at the office.
5. Annual tree sales are starting - Shakopee and Savage/PL and SWCD (smaller trees-seedlings + shrubs + native plant seeds)

VI. Board Liaison Updates & Requests to CAC – Curt Hennes

- a. Welcome new members, we'll vote on approve Apr 13th
- b. Upper Watershed Blueprint plan reviewed
 1. Summarized by Wenck – Brian Calio
 2. Unfortunate point: some of the projects for flood mitigation don't help water quality and some projects for water quality don't help much with flood mitigation, so no double duty projects.
 3. Five projects to help water quality
 - a) Sutton Lake IESF – near Chad Sandey farm – would hold water back during high water periods in spring – should help spring lake levels - add two iron sand filters - can collect 735 lbs. of phosphorus a year (install in 2022?)
 - (1) Est. cost: \$1.8M = \$166/lb Phosphorus
 - b) Improve ferric chloride system – updates could capture additional 911 lbs. phosphorus per year, current system is 20-25 yrs. old, needs work and updates
 - (1) Est. Cost: \$2.0M = \$151/lb Phosphorus

- c) Buck Lake chemical treating system – 783 lbs./yr. – wetlands north of kingdom hall/south of Spring Lake
 - (1) Est. Cost: \$2.4M = \$204/lb Ph
 - (2) Could interfere with muck digesters program, Matt will coordinate
- d) County Ditch 13 chemical treatment system – 1662 lbs./yr. – along Highway 13 leading up to 282/17 junction
 - (1) Est. cost: \$2.5M = \$157/lb Ph
- e) Spring West Iron Enhanced Sand Filter – 249 lbs./yr. – install IESF on inlet in the NW corner of 282 & 17 near county maintenance bldg.
 - (1) Est. Cost: \$0.4M = \$112/lb Ph

VII. Subcommittee Reports:

- a. AIS/Signage (Christian, Ben) no report, out of time
- b. Fish Stocking (Christian) no report, out of time
- c. Shoreline Restoration (Christopher, Matt, Ben) no report, out of time
- d. Upper watershed projects/Storage Assessment, Plans and Wetland Banking (Christopher, Woody, Jim) no report, out of time
- e. Other Topics
 - 1. Update on muck digesters – Christopher/Matt
 - a) Muck digesters are anerobic natural occurring bacteria found in lakes, eats organic sediment at the lake bottom and in water column.
 - b) Best time to treat is mid-May - Proposes doing something ASAP
 - c) \$10K to treat: two smaller lakes and a test in Spring Lake
 - d) Could combine with lakeshore restoration work – can involve individual property owners – they can do it in their shoreline areas
 - e) Suggest a campaign to convince owners to use digesters, and could coordinate a group buy (\$150/year for 75 ft of shoreline) – no DNR regulation
 - f) Monitoring is the concern - Matt will talk to Jeff about monitoring
 - g) PLAN: Matt & Chris will finalize the plan/request and tentatively present at April 13th PLSLWD board meeting

VIII. Goals & Topics for Next Meeting

- a. Raymond Park update & video – Christian
- b. Muck digesters update
- c. What are Iron Enhanced Sand Filters? - Ben
- d. Upper Watershed Blueprint updates
- e. Fish stocking update
- f. AIS / I-LIDS update - keep CAC in the loop on status.

IX. Staff & Other Announcements

- a. None

X. Adjourn at 8:03 pm – Motioned: Jim; Seconded: Chris; passed

Upcoming Meetings:

Board Meeting: Tues, April 13, 6:00 pm

CAC Meeting: Thurs, April 29, 6:30 pm