



LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

616 THIRD AVENUE, TWO HARBORS, MN 55616

P: (218) 834-8370

WWW.CO.LAKE.MN.US/SWCD

Minutes

Regular Meeting of the Board of Supervisors

Thursday, June, 12 noon

408 1st Avenue, Two Harbors, MN 55616

- Call to Order: The meeting was called to order at 12:15 PM by Chair Todd Ronning.
Present: Ronning – Haus- Omarzu -Sagen-Brodigan
Absent: None
Staff: Tucker-Passe-Smerud-Stewart-Jurecki
Guests: BWSR – Dale Krystosek
- Agenda: **Motion by Sagen and seconded by Brodigan to approve the agenda. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- Minutes: **Motion by Sagen and seconded by Omarzu to approve the minutes for May 10, 2018 meeting as printed. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- Financial and administrative reports:
- Treasurers Report: **Motion by Sagen and seconded by Omarzu to approve the treasures report as presented. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- Tucker updated the Board that September 19th is the date set for the 2017 Audit. She asked if it could be sooner but they were unable to.
- **Guest Updates:**
- NRCS Report: Jon Sellnow's report was reviewed. There is a delay in the notification of EQUIP.
- BWSR: Dale Krystosek from BWSR explained the PRAP process and stated that he met with staff and County staff this morning. You will be getting an email survey to fill out for the SWCD and the County.

District Manager:

- **Cost-Share: Motion by Sagen and seconded by Haus to approve and sign the amended Flood contract with Ross Lovely for \$15,000. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- **SAMS Registration:** Tucker reported that an additional requirement for the annual registration is to have a notarized letter assigning Karen as the Administrator Contact. **Motion by Brodigan and seconded by Omarzu to approve to Approve Karen Tucker as the SAMS Administrative Contact. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.** Todd Ronning will have the letter notarized on Monday.
- **Motion by Omarzu and seconded by Sagen to approve updated our Mission Statement. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**

The current mission of the Lake County Soil and Water Conservation District is "to provide technical assistance to help property owners and local units of government implement sound land management and water quality planning to protect the natural resources of Lake County."

To protect the beautiful and extraordinary natural resources of Lake County, our mission statement commits:

To support the people of Lake County in protecting and conserving the land and waters through professional consultation, education, and resources.

- **Project update:** Passe shared pictures of the Chapek site that was planted this last week. Voucher for payment will be next month. He also had a proposal for a youth program to “Sweep the Skunk” working with youth groups to clean up the Skunk Creek by offering a payment for every pound of trash to the organization. **Motion by Omarzu and seconded by Sagen to approve up to \$500 budget for this new program. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- **AIS summer staff:** Smerud introduced Zach Stewart to the Board and updated on some of the other Summer hires for AIS inspections. She Stated that Zach has taken over the inspection scheduling.
- **“Superior Way”:** The staff would like to pursue funding for a PR campaign “A Superior Way of Life” to promote “Living a Superior Way” to educate residence and visitors on how to live in a way that protect Lake Superior. **Motion by Haus and seconded by Omarzu to approve applying for funding for this project when it is available. Affirmative: Ronning, Haus, Omarzu, Sagen, Brodigan. Abstain: None. Carried.**
- A handout was included in the board packet stating that the tree sale went well. All trees were picked up on the day of the pick-up.

Correspondence: Brodigan had a question about the notice from the MDA about seed vendors. Tucker reviewed the notice that stated one company was no longer able to sell seeds and another the MDA requested notification to test seeds before they were used. Election packets were passed out that were received for Supervisors.

Supervisor Committee Reports and Concerns:

Audit Committee: Motion by Sagen and seconded by Haus to approve the Audit Committee signed 21 Checks and 12 direct payments for a total of \$46,776.45. **Affirmative: Ronning, Haus, Omarzu, Brodigan, Sagen. Abstain: None. Carried.**

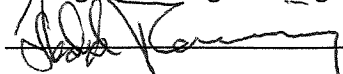
RC&D: Ronning reported that they discussed the Conference details. We will plan to decide about sponsorship next meeting.

Forestry: Haus attended and stated that they talked about the need for a region Forester. Mitch Lundeen had a report on his activities.

Area III Resolution Meeting: Haus, Nelson and Jurecki attended. Haus stated that there was quite a bit of conversation about Ramsey SWCD voted to not meet indefinitely. He was concerned that it could be done by three Supervisors to stop meeting. Should we have by-laws to prevent this from happening? They also offered a \$500 scholarship to attend a leadership training. Tucker will see what other Districts are doing.

Motion to adjourn at 2:22, next meeting will be June 12th at Noon at 408 1st Avenue.

Special Strategic planning meeting at 11AM



Todd Ronning, Chairman

Submitted by:

Karen R. Tucker, District Manager



Doug Haus, Secretary

For:

Doug Haus, Lake SWCD



DISTRICT MANAGER MONTHLY UPDATE MAY TO JUNE

KAREN TUCKER, DISTRICT MANAGER
LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

GENERAL ACTIVITIES

- Minutes and agenda (Up-loaded to the website for last month)
- Payroll/reviewed timesheets
- Staff meetings held on Tuesdays
- Welcomed and assisted the summer Intern to get settled
- Balance checking and savings

SPECIFIC ACTIVITIES

- Tree pick up went well with all trees picked up on the 18th
- Attended a Manager's meeting
- Assisted Jeannette Austin from BWSR on an article for their Snapshots by answering questions about Billable rates
- Updated MCIT Insurance coverage to add new equipment and make sure it was current
- Helped with paper making in class room (6th grade)
- Helped with Natural Field Resource Day
- Updated the SAMS registration
- Attended a Management for Women training
- Met with Derrick, Emily, and Zach to plan for the E. coli sampling
- Work with Kelly Voigt organizing a Vegetation Training
- Worked on Strategic Planning documents

ITEMS OF NOTE AND/OR MOTION NEEDED

Cost share-Flood Amended Contract- Approve and Sign up to \$15,000 (Lovely Site on Knife River)
SAMS registration needs a signed notary approved letter designating an Administrator

CORRESPONDENCE

Environmental services

Request from Keith Heisick for property at 102 Scenic Drive, Knife River, MN 55609 for relief from side yard setback for a structure on a non-conforming lot.

Interim use permit request from Ethan Casady for property located at Peterson Pit Road Two Harbors, MN 55616

Request from Sharon Ropes for property at 726 Old North Shore Road, Two Harbors for renewal of a short term (less than 30 days) "Vacation Rental Home".

Notification from MN Department of Agriculture about two companies of concern when buying seed mix.



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Sweep the Skunk: Version 2018

Problem Statement: Two Harbors and Silver Bay are the largest population centers in Lake County. Both Cities rely on natural drainages to conduct storm drainage away from the urban area. Tourism and recreational opportunities afforded by Lake Superior are economic drivers for these Cities. These Urban centers were developed without amenities to remove pollutants from their storm drainage. A large amount of debris and trash enter these streams (accidentally and intentionally) and is deposited into Lake Superior at beaches and recreation areas. Due to their natural affinity to water and wetland areas, area youth are well suited to remove trash from the storm ditches and creeks.

Goal: Remove Trash from Urban Waterways. (In and around waterway/wetland)
Develop awareness of amount of trash entering Lake Superior.
Develop environmental appreciation in local youth.
Provide a service to the community while allowing youth to raise money for their organizations.

Possible Groups: 4-H - Interested
Boy scouts
Girl Scouts
Church Groups

Requirments: Date (or Range of Dates) to gather trash.
Partners: Cities, County, SWCD
Weighing/disposal site(s)

Location(s):

Two Harbors – Skunk Creek, Storm drainage to Golf Course, Storm Drainage to Cemetery, Storm Drainage to Agate Bay.

Silver Bay – Various storm drainage through City, Behind Rukavina Arena, Black Beach

Pledge Statement: I Name of Individual/business/organization hereby sponsor Donor Group \$X.XX per pound of trash (max. of 500 pounds) that they remove from urban waterways in Lake County.

Rainy River Citizen Engagement

- Ely Community Resource AIS monitoring projects
 - (Ongoing) Native Plankton Community project aimed at characterizing the current plankton community in Shagawa and Fall Lakes to see how it responds to spiny waterflea colonization. We are exposing several students per week to AIS/plankton sampling protocols, laboratory techniques, microscope use, and dichotomous key use.
 - Project has been expanded from just the “Science Club”, to be a regular part of Biology class. This means more students involved and more data collected.
 - Plankton samples are collected and delivered to school weekly.
 - Held meetings with ECR to “flesh out” summer 2018 plans. Bo Dereme (Ely HS Science teacher) will be assisting myself and students with the spiny waterflea and rusty crayfish projects throughout the summer.
- Followed up on report of Rainbow Smelt (invasive) caught in Bass Lake. Specimen was collected, identified and reported to Tower DNR fisheries managers. This is significant because waters from Bass lake flow Low Lake, the Range River, Basswood Lake and on down the boarder lakes to the Rainy River and beyond.
- Completed first round of citizen lake monitoring (CLMP+) including new this year, Cedar lake.
- Calibrations and maintenance on water quality sondes.
- Scheduled various stream monitoring surveys to be completed in conjunction with MPCA.
- Held a training for MPCA interns on beach e. coli monitoring. They will be sampling 11 forest service owned beaches 3 times each throughout the summer.
- Developed work plan for new assistant Rainy River Headwaters Outreach Coordinator, Liz Anderson.
- Signed up to run an aquatic biology and sampling techniques teaching station at Wolf Ridge’s “Bio-Blitz” event.
- Working with DNR and USFS to coordinate an oxy-thermal pinch study on 7 lakes in Lake County. These are lakes that are thought to be particularly sensitive to climate change in that the habitable area for fish in summertime is “pinched” into an increasingly thin zone which is cold enough (deeper), but also has adequate oxygen (shallower). USFS to purchase the temperature loggers and help with field work (James Anderson). DNR to provide various sampling equipment and run analysis. Lake SWCD (me) to lead field work, and compile data.



Conservation Outreach Coordinator Report

June, 2018

Rainy River Headwaters Civic Engagement

- Coordinated and held a homeowner septic system and private well workshop, with presentations given by Sara Heger of UMN and Craig Gilbertson of MDH. We had 29 attendees, and distributed personal septic and well info to those with property in Lake County (the vast majority). Sara Heger offered to come up in early October to give an encore presentation, which will likely take place in the Fall Lake/Ely area.
- Coordinated and completed water monitoring on Kane, White, and Pequaywan lake.
- Contacted PR firms in Duluth to ask for quotes for a IWIP "Superior Way" campaign (Derrick's idea).

Coastal Program

- Completed one radio program – I filled the segment talking about our outreach programs and upcoming events.
- Recorded video of terrestrial invasive species, and coordinated future recording with Jeffrey Flory in Duluth to record EAB infestations.

Stormwater

- Coordinated DNA sample processing training at UMD (I did not attend myself).
- Provided sonde training for Zach and Haley.
- Took part in multiple discussions about E. coli monitoring and coordinating the new Coastal grant. Provided Zach with background information on the project so that he can take the lead.

Envirothon

- Attended the Area III meeting and gave a short update on the Area III Envirothon.
- Prepared instructions

Natural Resources Field Day

- Hosted classroom visits to 6th grade classes in Two Harbors (Silver Bay opted out). Visits included a short talk about natural resources and a paper-making activity.
- Held the Natural Resources Field Day at Split Rock Lighthouse State Park. There were 96 students, 4 teachers, and 10 chaperones. Mackenzie and Haley hosted the forestry station, Karen, Barb Liukkonen, and Jesse Schomberg hosted the water station, and Luann and Heather from the DNR hosted the recreation station.

Liz - through June 13

Watercraft inspecting

- DNR Level 1 watercraft inspector training May 23 and enhanced training with N. St. Louis SWCD May 30
- Watercraft inspections at Fall Lake campground, Moose Lake, and Snowbank Lake
- Developing an inviting AIS display for boat accesses to inform not only boaters, but also other visitors (particularly at Fall Lake campground). Working on some interactive activities for kids.
- Tracking AIS conversations with people not recorded by inspection surveys. Noting interesting or pertinent themes, observations, questions and perspectives
- Exploring the possibility of a small-scale boat traffic study to gain a better understanding of what traffic patterns are like during times when we don't have survey data. Gathered some information from N. St. Louis SWCD, which is doing a large study along with Lake Vermilion and Burntside Lake associations. Attempting to find a contact at USFS who can provide legal/permit requirements.

RRHW/Other

- Assisted with citizen lake monitoring on Birch, Cedar, Browns and Fall lakes
- With Darren, sampled plankton on Fall and Shagawa lakes for Ely High School students
- With Darren, completed initial spiny waterflea survey on Shagawa Lake
- With Darren, trapped crayfish in Burntside River further upstream than past year's efforts to cut off the rusty crayfish advance. Traps revealed at least one rusty crayfish made it beyond the previous known boundary.
- Making plans with Ely Community Resource for spiny waterflea surveying and rusty crayfish trapping with their youth program
- Assisted with rusty crayfish trapping on Dumbbell Lake for Bent Brewstillery event

MONTHLY REPORT: TERRESTRIAL INVASIVE SPECIES

Mackenzie Hogfeldt | 2018 | May | 297 days

- Provided orientation to tree survey for our new Conservation Corps of Minnesota and Iowa Haley Jurieck.
- Provided support to the initial set up of ESRI and Trimble Products for Haley and Zach.
- Set up and isolated culverts for Zach Stewart to investigate the replacement of culverts on private land for impairments to aquatic organism passage.
- Worked on the GIS Landscape Analysis Model for Forestry Conservation Site Selection. Working out the final details.
- Received 2018 40,000 GLRI CWMA grant from the USFS. Good for 5 years with a focus on non-native invasive species early detection, management, coordination, restoration, and administration/project management.
- Presented as a forester for natural resources field day.
- Pursuing collaboration with NRRI on a risk of terrestrial plant invasion for the Arrowhead.

Wild Blue Yonder

- Launch Tree inventory with Haley.
- Finish GIS Landscape Analysis Model for Forestry Conservation Site Selection. With presentation and write up.
- Launch resurvey effort with Tim Byrns of Spruce Budworm management sites to provide
- Cut my teeth on site visits for landowner Forest Stewardship Plans and invasive species management plan.
- Provide support to Zach Stewart for the culvert replacement Bring Back the Natives RFP NFWF.



Draba arabisans (Rock Whitlow-Grass)

Engineering Monthly Update

May 3 to June 6, 2018

Prepared by Derrick Passe



WETLAND CONSERVATION ACT

Shoreview Road – Assisted County highway in Preparation of Permit Application

Beaver River Restoration

- Wetland Alteration Application
- Schedule
 - ~~Revised Wetland Application 4/5/2017~~
 - ~~WCA TEP Meeting 4/11/2017,~~
 - Design Plans – (Final by May 1)
 - WCA TEP Action Deadline – May 11, 2018 WCA Permit Issued 5/10, USACOE Permit Issued 5/21.
 - DNR Permit – 6/6/2018
 - Bidding (May 15 – June 1)
 - Award (June or July) based on Bidding
 - Construction (July 15th – September 15th) (4 – 6 weeks)

Agate Bay Concrete Removal – Planned by DNR. Temporary wetland impacts. Objected to BWSR disallowing of 'incidental wetlands'. Could affect future use (require mitigation) of site.

COST SHARE

Jon Chapek – Temporary cover installed. North Shore Horizons – Planters are constructed, waiting to be placed and filled with soil.

John Hasse Site – Sent Soils estimate to John Hasse. John will contact Soils Company

SpokenGear Rain garden- Met with Dan and Kirsten Cruickshank. Need to address Tansy and Bull Thistle. Also found large Barberry on site.

Duffy Site – Discussed cost share Contract with Susan Duffy.

Trish Salakka – Looked at Drainage ditch adjacent to her property. She wants to 'clean it up'.

Drainageway is owned by City. Recommended native plantings as opposed to mowing. Contacted City about culvert maintenance.

Ruth Boulanger Site – Stream bank eroding toward driveway. Some trees lost. Asked TSA to review site.



STORMWATER

2018 Coastal Grant – E. coli sampling – Prepared work plan for Sampling

- Went through grant requirements with Karen, Zach, Emily
- DNA filtration and sampling double original estimate.
- MPCA will not cover sampling costs.
- Reexamined testing procedure.
 - Identify conditions/locations for likely E. coli presence 2018, Some Lab testing. In-house testing.

- Take samples for DNA testing only after Coastal Grant funds are available (July 2018?)
 - Concentrate on DNA sampling in 2019.
- Reviewed sites with Zach.

stormwater Focus Group – Attended Focus Group held by Sea Grant. Discussion about Rain Gardens and MN Streams website.

Star Grant – Plan 90% complete for Rustic Creek.

LOCAL CAPACITY

Burlington Bay Tree Planting

- 24 Volunteers
- Collaboration between City of TH, Castle Danger, SWCD.

Skunk Creek – Discussing fundraiser with 4H club. (Seek pledges per pound of refuse removed from urban waterways in County.)

LAKE COUNTY TECHNICAL ASSISTANCE

LaBounty Plat – Reviewed site with LC P&Z to determine effectiveness of Shoreline Stabilization.

Larsmont Cottages – Reviewed site with County to assess restoration project.

Heisick Variance Request – Tiny site, recommended survey.



WATER MONITORING

RRHW - Funding for Water monitoring from USFS is NOT available for 2018. WICOLA will cover cost of WICOL and Birch Lakes. MPCA CE Contract will cover costs of Cedar, Fall, Sand, Browns Lakes. (Overrun of budget of approx.. \$40 to SWCD)

Cloquet Watershed – MPCA Change Order not in-place yet. SWCD liable for testing costs for May and June(?). Approx. \$200

TRAILS (NOT SWCD RELATED)

Hiked the entire Kekekabic Trail with Mackenzie.

Spent a week clearing Kek Trail. (Not a month like 2017)

Superior, Border Route and Kekekabic Trails added to the North Country Trail by House of Representatives!

Elected the Board of Directors for the North Country Trail Association.





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May, 2018 Forestry Report
Tim Byrns

Forestry Assistance

- Sue Bott- plan delivery
- Leanne Jacoby- 96 acres, Forest Stewardship Planning
- Rodney and Julie Johnson- 90 acres, Forest Stewardship Planning
- Sara Quetico- 80 acres, Forest Stewardship Planning
- Chris Carlson- site visit
- Nic Caine- spruce budworm planning
- Chrissy Gildersleeve- site visit
- Barb Omarzu- inventory and planning
- Upcounrty Land Works LLC

NRCS Service Agreement

- Invoiced for 8 conservation practice certifications- \$2,000.00

Engineering Assistance

- Crown Creek Road culvert replacement survey complete

Other Assistance

- Working with Mackenzie, Zach, and the MPCA to identify, assess, and prioritize stream crossing projects that were missed during the Lake County culvert inventory project.



CONSERVATION CORPS APPRENTICE REPORT MAY 21 – JUNE 8, 2018

HALEY JURECKI

LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

ASSISTANCE WITH COMMUNITY OUTREACH

- Paper Making with 6th Graders (Emily)
- Planting trees at Burlington Bay Campground (Derrick)
 - Flagged planting sites & called for approval by Gopher State One Call
 - Aided volunteers throughout the day of event

ASSISTANCE WITH ONGOING PROJECTS

- Two Harbors Tree Inventory
 - Gathered research on other size-comparable cities' Tree Inventories
 - Created Feature Code Library to be used with Trimble
- SWCD Garden
 - Inventoried trees ready for sale (both dead & alive)
 - Weekly maintenance
 - Planted vegetable garden in beds behind SWCD office
- Silver Bay Perimeter Ditch
 - Discussed project goals & parameters with Derrick & Tim
 - Explored equipment & software in preparation for survey

LEARNING OPPORTUNITIES

- Attended Area 3 meeting with Doug & Emily
- Tagged along on Site Survey with TSA3 for training on Trimble products



AQUATIC INVASIVE SPECIES REPORT MAY 3 – JUNE 11, 2018

PREPARED BY: SONJA SMERUD, AIS COORDINATOR
LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

OUTREACH

- Resort Outreach in Fall Lake Township
 - 4 dif. 20min conversations w/folder distribution, dinner planning September
- Coaster distribution to area restaurants
 - 10,000 coasters distributed to 10 locations, more ordered
- Updates to AIS Map (via Northern Wilds – ordered 2,000 more for 2018 update)
- Updates to AIS Sentry Guide & Pocket Guide – ordering 20 more pocket guides and 10 guides
- See: Billboard on Expressway by Sonju; All Over Media ads in area bathrooms/gas stations/restaurants; coasters around town; ads in area papers and recent articles; soon to come “pump toppers” at BriEsa’s
- Bent Brewstillery Crayfish Boil trapping and event outreach with MNSeaGrant – May 26th
 - 120lbs Rusty Crayfish (4,300) and over 3,000 visitors
 - Reach people we wouldn’t otherwise, but lots of staff time
- **Zach** – initial scheduling for festivals w/doodle poll (&Heritage Days per SeaGrant poll)
 - Heritage Days (booth + parade float)
 - Bay Days
 - Blueberry Festival
 - Harvest Moon Festival



WATERCRAFT INSPECTIONS

- *Opening fishing* inspections at Fall Lake; checking in with North St. Louis SWCD on shared services agreement/Fall Lake Inspections; outreach box setup at Fall Lake Landing
- CD3 Station meetings, phone calls, application, etc for Agate Bay, Fall Lake Landing
- Staff orientations
- **Liz Anderson** Started as Water Resource Technician (20% inspections, 40% AIS monitoring & management, 40% other \$)
 - Conducted Watercraft Inspections in Fall Lake Township

- Outreach > Liz's setup at Fall Lake
- Began a PWA traffic monitoring project with trail cameras to determine peak use
- Crayfish trapping for outreach event/boil & crayfish/SWF data management for 2018
- **Zach Stewart** Started as Water Resource Technician (50% Inspections, 10% monitoring/management, remaining 40% other \$)
 - Coordinating and scheduling other inspectors (June 2018 Schedule)
 - Providing support and training to inspectors
 - Conducted Watercraft Inspections/Education & Outreach at various inland lakes
- **Paul Trygstad** conducted watercraft inspections on Greenwood and Stewart (May 13), Agate Bay (May 18), various inland waters weekend of May 19th and was the lead on crayfish trapping (& data collection) for the May boil event
- All relevant staff completed Level 1 Authorized Watercraft Inspector Training and Exam
 - Elizabeth Gray, Al Robertsen, Paul Trygstad; Sonja, Liz, Zach
 - Conducted Watercraft Inspections at inland lakes
- Finalized watercraft inspection kit materials (wrenches, nametags, bait bags, sponges, etc)
- Advanced Watercraft Inspection Training for all staff + North St. Louis inspections (including presentation) – May 30th
- Meeting with Lake County Law Enforcement about AIS Enforcement/Compliance



MONITORING, ASSESSMENTS, GRANTS

- Rapid Response Planning/Bloody Red Shrimp Meeting with Arrowhead Partners– May 4th
- Lake County "Official Business"/Assessors Boat Use Agreement & Secured for AIS monitoring (stored at Lake SWCD Offices Garage)
- Data update and monitoring of Dumbbell Lake crayfish sites (D1-6)

ITEMS OF NOTE AND/OR MOTION NEEDED

- Credit Card Bill/AIS Ordering for Watercraft Inspection Supplies – Signature
- Seasonal Staff Timesheet/Checks - Signature



WATER PLAN REPORT MAY 3 – JUNE 11, 2018

**PREPARED BY: SONJA SMERUD, WATER PLANNER
LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT**

COMPREHENSIVE LOCAL WATER MANAGEMENT PLAN

- Envirothon (Emily) and Natural Resources Field Day (Emily) took place, meeting key CLWMP goals – see Outreach Update
- Coordination of new staff
 - Haley check-in & goal setting meeting
 - Orientation for inspectors
 - Desk/work space prep
 - Work-plan development for Haley, Zach, Liz
- Rainy River Signage – Quote from Vendor in Duluth; Initial conversations, design, and sign priority mapping with MPCA and Rainy/Low Water Sustainability Foundation
- Re-formatting of CLWMP task force – initial outreach conducted to solicit new members for a “Rainy River Headwaters Water Plan” group
- Wetland Delineator Certification Program 5-day Course
 - BWSR and Corps of Engineers Facilitated
 - Aided in fostering staff expertise with regards to WCA permitting reviews/TEP participation; will aid in future staff transitions (under “Natural Resource Block Grant”)

LAKE SUPERIOR NORTH ONE WATERSHED, ONE PLAN

- Follow up with City of Two Harbors re: stormwater survey
- Scheduled CEHM meeting – prep work on the meeting; focus on use of FEMA maps
- See Page 2: Water Resources Technician Board Update
- Chanlan Chun (NRRI) Meeting and Lab Tour - Coastal Grant Annual – *E.coli* DNA filtration (Stormwater Goals and de-listing of Skunk Creek *E.coli* impairment goals of 1W1P)
- Update email sent out to partners about LSN1W1P Implementation
- Solicited quote and initial thoughts on outreach/marketing of LSN1W1P (per Emily)

ITEMS OF NOTE AND/OR MOTION NEEDED

- PRAP Presentation from BWSR
- Feedback on re-formatting of water plan task force as available

WATER RESOURCES TECHNICIAN UPDATE – PROJECTS ACCOMPLISHING GOALS OF THE
LSN1W1P

[In addition to AIS & Watercraft Inspections – 60% of time]

Stormwater and E. coli on Skunk Creek (20%)

- Leading execution of Skunk Creek E. coli source detection project
- Mapped 15 sampling locations and began systematic field sampling
- Organizing experimental design and data analysis approach
- Created E. coli culture lab at SWCD office
- Collaborating with Chanlan Chun at NRRI to plan DNA testing
- In communication with Cynthia Poyhonen to facilitate successful completion of grant objectives
- Compiling database of results for later analysis and reporting

Culvert Replacement and Aquatic Organism Passage (20%)

- Cooperating with MPCA to pursue grants/funding opportunities for culvert replacements to improve trout passage
- Working with Mackenzie and Tim to prioritize culverts using GIS tool (Mac created)
- Preparing to carry out assessments of high priority culverts this summer
- Culvert Assessment field training with Jeff Jaspersen (MPCA) Friday, June 15, 2018
- Will gather data and create preliminary reports to support a strong application for further funding