



LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

616 THIRD AVENUE, TWO HARBORS, MN 55616

P: (218) 834-8372 F: (218) 834-8545

WWW.CO.LAKE.MN.US/SWCD

Minutes

Regular Meeting of the Board of Supervisors

Thursday, March 9, 1pm

408 1st Avenue, Two Harbors, MN 55616

- Call to Order: The meeting was called to order at 1:07 PM by Chair Todd Ronning.

Present: Ronning – Haus- Omarzu

Absent: Brodigan -Kovach (resigned)

Motion by Haus and seconded by Omarzu to accept Jo Kovach's resignation with regrets. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Opening will be posted and appointed at next meeting.

Staff: Tucker-Schutte-Byrns-Passe-Smerud-Olson

- Agenda: **Motion by Omarzu and seconded by Haus to approve the agenda as printed. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Minutes: **Motion by Haus and seconded by Omarzu to approve the minutes for February 9, 2017 meeting as printed. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Financial and administrative reports:
- Treasurers Report: **Motion by Haus and seconded by Omarzu to approve the treasures report as presented. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Annual Financial Report: **Motion by Haus and seconded by Omarzu to approve the Annual Report. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- 2017 Budget: **Motion by Haus and seconded by Omarzu to approve the 2017 Budget. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Audit Engagement letter: **Motion by Haus and seconded by Omarzu to approve and sign the engagement letter with Peterson Company for 2016 Audit. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Bank Signature: **Motion by Haus and seconded by Omarzu to approve new signature card for the Lake Bank checking and savings removing Jo Kovach. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.**
- Schutte reminded the Board that we will be doing staff evaluations before the April meeting.
- Audit Committee: 17 checks and 11 direct deposit for a total of \$77,618.56.
- **Guest Updates:**
- NRCS Report: The Acting DC, Jon Sellnow's report was shared.
- **Staff Updates:**
- **District Manager's Report:** Schutte stated that buckthorn was found in Beaver Bay, much further up the shore than we thought. He reported that Cove Point and state agencies are interested in helping with the management. **Motion by Haus and seconded by Omarzu to approve and sign the CWF agreement for \$185,000 for Stormwater Assessment (\$71,000) and Forest Improvement (\$114,000). Affirmative:**

Ronning, Haus, Omarzu. Abstain: None. Carried. Motion by Omarzu and seconded by Haus to approve and sign the Local Capacity agreement for \$113,207. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Motion by Haus and seconded by Omarzu to approve payment voucher to the City of Silver Bay for Engineering cost \$18,681. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Motion by Omarzu and seconded by Haus to approve payment voucher to the Lake County Highway Department for \$133,69.01 for work on the White Cedar Project. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Motion by Haus and seconded by Omarzu to sign the new Lessard Sams grant agreement. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Motion by Haus and seconded by Omarzu to approve the Flood Relief contract with Lovely the new owner of the Tesarek project for \$15,000 for bank stabilization. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Schutte asked the Board to approve a plan to offer the County Extension the office space in our building. Motion by Omarzu and seconded by Haus to offer office space at no charge for 5 years, 5 to 10 years with an increased County payment of \$6000 a year and after 10 years @ market value plus utilities. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.

- **Outreach Coordinator:** Nelson reviewed her report, she has been busy preparing for summer events. Motion by Haus and seconded by Omarzu to approve submitting a Skunk Creek sediment reduction grant if all parties agree. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.
- **Rainy River Coordinator:** Passe reviewed his report, he has reviewed the Castle Danger rain garden site.
- **Conservation Technician:** Byrns has attended several trainings and shared some of the highlights. He gave an update on his forestry work and Engineering. Motion by Haus and seconded by Omarzu to approve the Contract with Deb & Larry Johnson for \$6,238.18 for planting trees. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. Byrns is working on a training session for the new shared total station.
- **GIS Technician:** Olson shared a map and the status of the Culvert inventory. Motion by Omarzu and seconded by Haus to approve posting a summer intern position to finish the culvert inventory. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried. She has plans to map out our past projects. Motion by Haus and seconded by Omarzu to approve the being a host site. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.
- **AIS Coordinator:** Sonja Smerud has been busy with lots of outreach plans. Motion by Haus and seconded by Omarzu to approve and sign an AIS delegation agreement with the DNR. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.
- Max Forster updated the Board on the facebook insights for the month of March and the invasive team.
- **Correspondence:**

Supervisor Committee Reports:

- Doug Haus attended the Forest Pest training
- Staff evaluations will be held before the April 13th meeting. Motion by Haus and seconded by Ronning to assign Barb Omarzu on the Personnel Committee. Affirmative: Ronning, Haus, Omarzu. Abstain: None. Carried.

Motion to adjourn at 5:30 next meeting will be April 13th, 2017 at 408 1st Avenue. With the personnel committee meeting beforehand.

Todd Ronning, Chairman

Submitted by:

Karen R. Tucker, District Clerk

For:

Doug Haus, Lake SWCD

Doug Haus, Secretary



DISTRICT MANAGER MONTHLY UPDATE FEBRUARY 9 – MARCH 9

DAN SCHUTTE, DISTRICT MANAGER
LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT

GENERAL ACTIVITIES

- Rainy River Headwaters 1W1P planning conversations
 - Conversations with St. Louis Co., NSL SWCD, BWSR, MPCA
- Office Space move and logistics
- East Beaver River project
- Budget work with Karen
- Materials/planning prep for invasives this summer. Materials for buckthorn/barberry treatment in-house.

SPECIFIC ACTIVITIES

- Presentation to Lake County Board
- Presentation @ Clean Water Council meeting w/ Todd
- Stormwater conversations with City, MDH, MPCA
 - *E. coli* impairment discussion for beaches/Skunk Creek
- Planning repairs on Liukkonen project
- Discussed Knife River flood project with new property owner
 - Tesareck project now Lovely
 - Project a go, scheduling with TSA 3 and confirmed DNR and USACOE permits in place
- Met with Darren, Derrick, and USFS staff on Darren's position
 - USFS funding stable currently, looking to maintain joint position in the long term
 - Discussed future projects, input appreciated.

ITEMS OF NOTE AND/OR MOTION NEEDED

- | | |
|---|---------------|
| • CWF Grant Agreement signatures/approval | <i>Motion</i> |
| ○ Stormwater Assessment (\$71,000) | |
| ○ Forestry Improvement (\$114,000) | |
| • 2017 Local Capacity Grant Agreement (\$113,297) | <i>Motion</i> |
| • Silver Bay Pymnt, E. Branch Beaver River (\$18,601.10) | <i>Motion</i> |
| • Silver Bay Pymnt, E. Branch Beaver River (\$18,601.10) | <i>Motion</i> |
| • Lake Co. Hwy. Pymnt., White Cedar Restoration reimburse (\$18,601.10) | <i>Motion</i> |
| • Stewart River Grant Amendment (Lessard Sams) | |
| ○ Exp. Date: 12/31/17; Amount: -\$87,500 = \$412,500 total | <i>Motion</i> |
| • Office space update – County involvement | |
| ○ Huge group effort getting this to happen, thanks to everyone!!! | |

Rainy Headwaters Citizen Engagement Contracts

- NSLSWCD CE
 - Nearly complete
- Lake County Civic Engagement - RRHW/Cloquet Watersheds
 - Attended WICOLA BOD Meeting
 - Schedule of activities for 2017
 - Discussed Metals sampling
- Vermilion/Cloquet Grant (2015 SWAG)
 - Received Final Payment
- AIS
 - Met with Christine McCarthy
 - Discussed Promotional materials and costs
 - Assembling handouts – Stickers, Watch Cards, T-shirts
 - Sentry Program
 - Sonja working on ID manual
 - Reporting
 - Learned of Report of Flowering Rush on the Beaver River (GLEDN)
 - AIS Costumes
 - Ordered CLP and Sea Lamprey costumes
 - IMA-AIS TAC Committee
 - Chaired conference call, asked to present at IJC Meeting at International Rainy Lake of the Woods Water Sustainability Forum in March.
 - DNR Inspection Meeting
 - Requested delegation agreement from DNR
 - Initiative Foundation
 - Setting up crayfish trapping for WICOL and Birch Lakes
 - Met with Jason Butcher USFS
 - Sent him pictures for USFS collaboration report

Lake County Activities

- 102 Winton Point Road
 - Impervious area exceeds county allowance for shoreland lot requires Stormwater Plan
 - Met with Owner – made recommendations to him for preparing plan mitigating site runoff
 - Drainage from impervious surface directed to pervious surface
 - Majority of site drains away from lake
 - Owner also owns unbuildable property that will not have any impervious area
- Castle Danger Rain Garden
 - Reviewed Site plan
 - Discussed recommendations with Project Engineer
- Skunk Creek/Two Harbors E. coli Impairments
 - Participated in MPCA Stormwater Funding Strategies webinar
 - Cleanwater Revolving fund – designed for implementations
 - Cartograph program used by City of Maplewood may be useful

March 8,
2017

- Beach Monitoring Program
 - Met with Cindy Hakala (MDH) and Clint Little MNDNR
 - Reviewed Aerial photos of Agate Bay.
- Sustain Our Great Lakes
 - Grant Possibilities
 - 19th Avenue Culvert
 - Number 3 on County Replacement List
 - May fit in with a larger Skunk creek bank stabilization
 - Will require additional survey information
 - Developed Application for Rustic Creek Stormwater Installation
 - Piped Outlet from ponding area
 - Restoration of eroded bank into Skunk Creek.
 - Did not submit project due to inability to contact Property Owner



Untreated Runoff From Rustic Creek Apts.



Treated Runoff From Hidden Springs Retention Pond



Conservation Outreach Coordinator Report

February 10, 2017 – March 9, 2017

Lake Superior North & South Civic Engagement

Radio Program

- Interviewed Dr. Ron Moen, UMD Research Associate and Professor, about the impacts of climate change on MN's wildlife.
- Interviewed Meredith Cornett, Director of Conservation Science, and Mark White, Forest Ecologist, about the impacts of climate change on MN's boreal forests.

Other

- Education training at the Duluth Aquarium
- Natural Resource Field Day planning.

RRHW/Cloquet Civic Engagement

- Pollinator training in Cloquet.
- Website updating – map of supervisor districts updated (thanks Courtney!).
- Planning for the canoe tour of the Cloquet River in July.
- Forest Pest First Detector training in Cloquet.



Coastal Program

- Newsletter (will go out next Monday)
- Planning for summer events – one storm water management workshop, four invasive species workshops.

Envirothon

- Presenters recruited and coached on test-writing, school registrations entered, study resource packets sent out, space rental arrangements finalized, t-shirt order started, fundraising started.

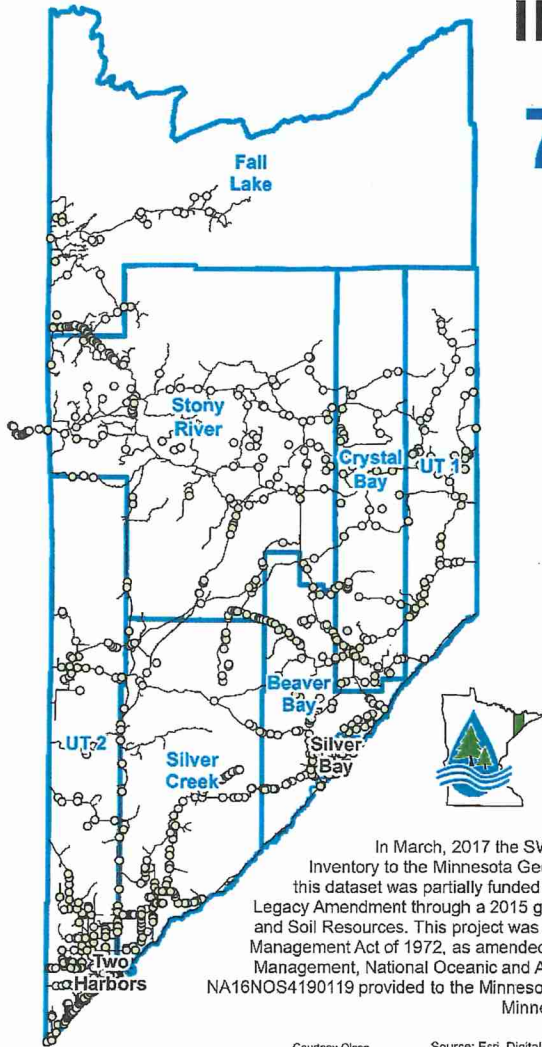


SOGL Application

- Met with Derrick, Cindy Hakala, and Clint Little to discuss E. coli impairments at Burlington Bay and Agate Bay. Discussed potential projects that could reduce sediment in Skunk Creek.
- Met with Dan and Derrick to discuss a potential SOGL application. Drew up a rough application outline for a project on Metes and Bounds property to treat stormwater runoff from their site. Did not end up submitting the application because Metes and Bounds were not a part of the discussion and the entire project would have been on their property.

LAKE COUNTY CULVERT INVENTORY

Updated March 2017



795

Culverts Collected from May 2015 to October 2016

63%

Stream Crossing Culverts

27%

Barrier to Fish Passage

23%

Outlet Drop >0

20%

Crossing Not Aligned To Stream

20%

Bank Erosion from Crossing

14%

Road Erosion from Crossing

12%

Upstream Deposition

10%

Crushed Ends

6%

Bottom Rusted Through

In March, 2017 the SWCD published the Lake County Culvert Inventory to the Minnesota Geospatial Commons. The development of this dataset was partially funded by Minnesota's Clean Water, Land, and Legacy Amendment through a 2015 grant from the Minnesota Board of Water and Soil Resources. This project was also funded in part by the Coastal Zone Management Act of 1972, as amended, administered by the Office for Coastal Management, National Oceanic and Atmospheric Administration under Award NA16NOS4190119 provided to the Minnesota Department of Natural Resources for Minnesota's Lake Superior Coastal Program.

Courtney Olson
Data: Lake County SWCD

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

-Data & metadata polished, will go up on MN Geospatial Commons this week to be available for download

-Initial stream/road crossing potential culvert dataset had over 1,000 points, so this isn't a complete dataset

Summer intern possibility:

-20 hrs/wk of work over a summer field season could result in 300 culverts

-Courtney would train intern & act as supervisor

-Credit earning potential if college student

Two Harbors Stormwater Assessment

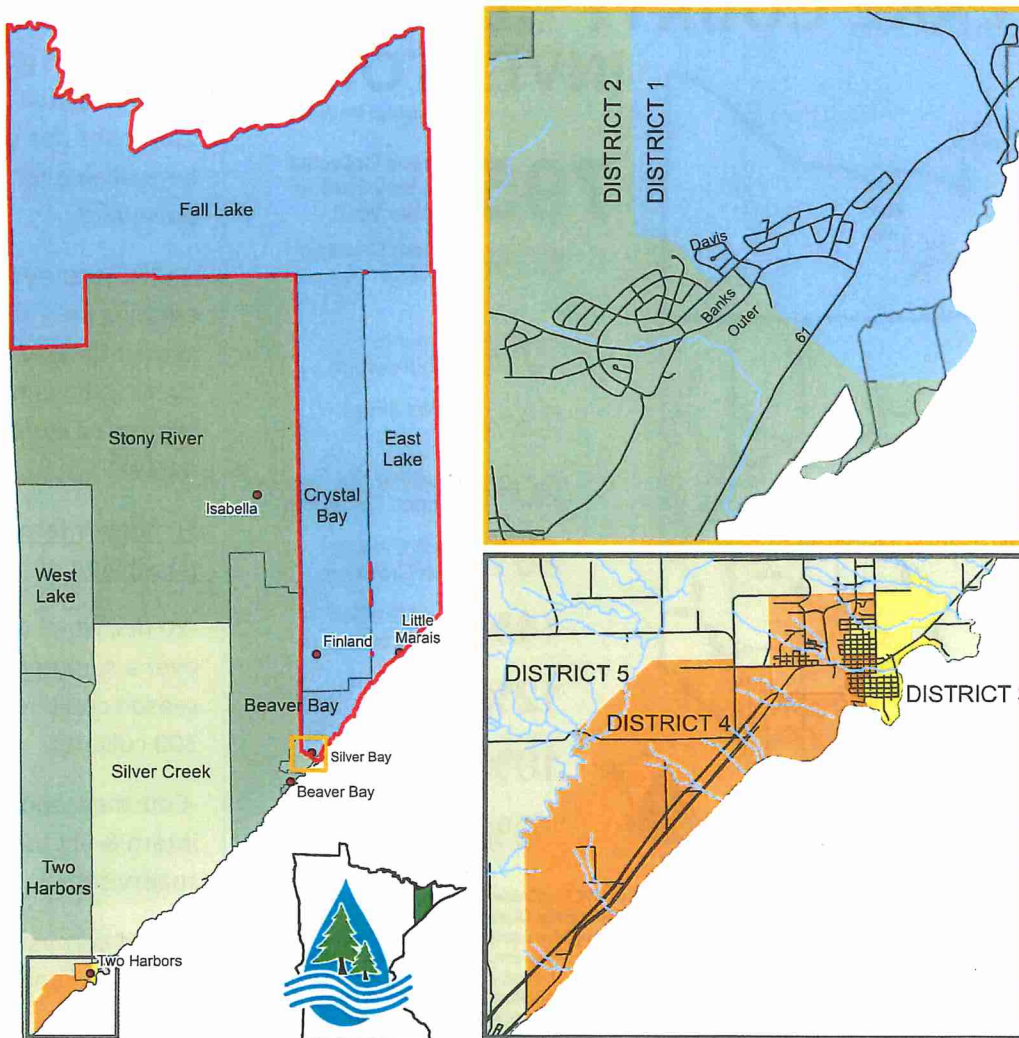
- o Cartegraph demo—data collection and inventorying with GIS integration

Supplemental Maps

- o Skunk, Rustic Creek proposals
- o Starting to map out all past and current SWCD projects; story mapping potential

Training

- o Total station



Lake County SWCD Supervisor Districts

Updated March 7, 2017

Olson, Data: Lake County, MN & Lake SWCD

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District ID - Supervisor

- 1 - Vacant
- 2 - Ron Brodigan
- 3 - Todd Ronning
- 4 - Barb Omarzu
- 5 - Doug Haus

Aquatic Invasive Species Coordinator Monthly Update

9 February – 9 March 2017

Sonja Smerud



MEETINGS/WORK AWAY

Educator Workshop at Great Lakes Aquarium (11 February).

Staffed a table at the Duluth Boat Show, speaking to over 150 people about AIS (1500 over the weekend with other staffers), including at least 2 different families from Isabella area (15 February).

Volunteered at the St. Louis River Alliance Clean Water Gala. Met with Katie Brey about citizen sentry program (from St. Louis River Alliance) & cooperation in Ely area (9 February & 15 February).

Ely Area Invasives Team Meeting (EAIT) (16 February).

Observed and helped with a plankton lesson with Darren at Ely High School/with ECR (21 February).

Grand Rapids AIS Workshop with the DNR & area AIS outreach administrators (28 February).

Met with Christine McCarthy & finalized orders for upcoming season AIS materials (watch cards, banner for events, "Invaders of the Great Lakes" books, t-shirts, stickers).

OUTREACH & EDUCATION

Wrote 2 blog posts for posting during summer season.

Received school backpack donation from Granite Gear to increase youth citizen science AIS engagement.

Drafted 7th grade lesson plan for AIS.

GIS data management of AIS; map partially complete – ordering 3000 copies for season.

AIS Field Guide & Citizen Sentry workbook complete; will have final edits & approval after next EAIT mtg; began "pocket" field guide draft.

Compiled crayfish Initiative Foundation data & very brief analysis.

Midwest Invasive Species Information Network AIS identification online training sessions.

UPCOMING

4-H collaboration meeting with UMN Extension (21 March)

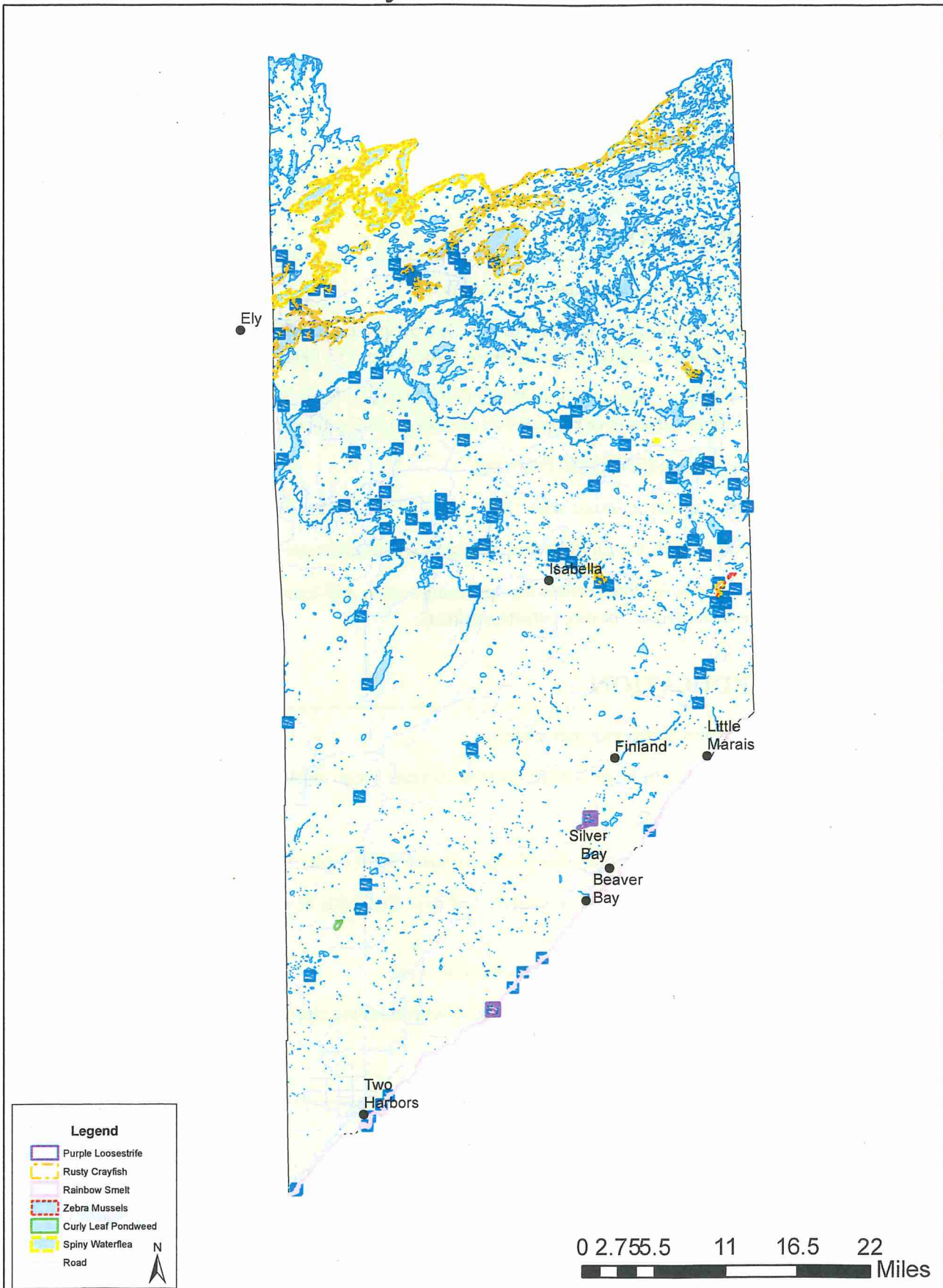
St. Urho's Day Parade (18 March) – *new costumes! Fun stuff we will be handing out!*

Upper Great Lakes Law & Policy Symposium: Managing Water Across Boundaries in Duluth (24 March)

WICOLA Spring Rendezvous in Ely (1 April)

Lake County AIS Infested Waters

DRAFT
03/01/2017



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Sonja Smerud 2017
Data Source: Lake County, MN; MN-DNR
NAD 83, UTM Zone 15N; Transverse Mercator



MARCH 9, 2017

TIS UPDATE
LAKE COUNTY SOIL & WATER CONSERVATION DISTRICT
616 THIRD AVENUE, TWO HARBORS, MN 55616

- Terrestrial Invasive Team
 - Producing a TIS Filed Guide to hand out this summer to:
 - Superior Hiking Trail to hikers
 - Highway Department
 - People we meet at farmer markets and festivals
 - An infestation of Buckthorn was identified near Beaver Bay, MN
 - Superior Hiking Trail spur trail toward Cove Point Lodge
 - Will be surveying the area in the next 2-3 weeks
 - Coordinating with many other people and organizations
- Social Media
 - Lake County's SWCD Facebook page now has 189 likes
 - Up from 171 two months ago
 - Instagram has 74 followers to date
 - Plans to use this platform for a photo contest this summer to raise TIS and AIS awareness
 - More information to come in the following months
 - Twitter currently has 61 followers
 - Could be used as resource this summer to increase engagement during events/festivals we attend as SWCD staff members



MARCH 9, 2017

MARCH 2017 FACEBOOK INSIGHTS

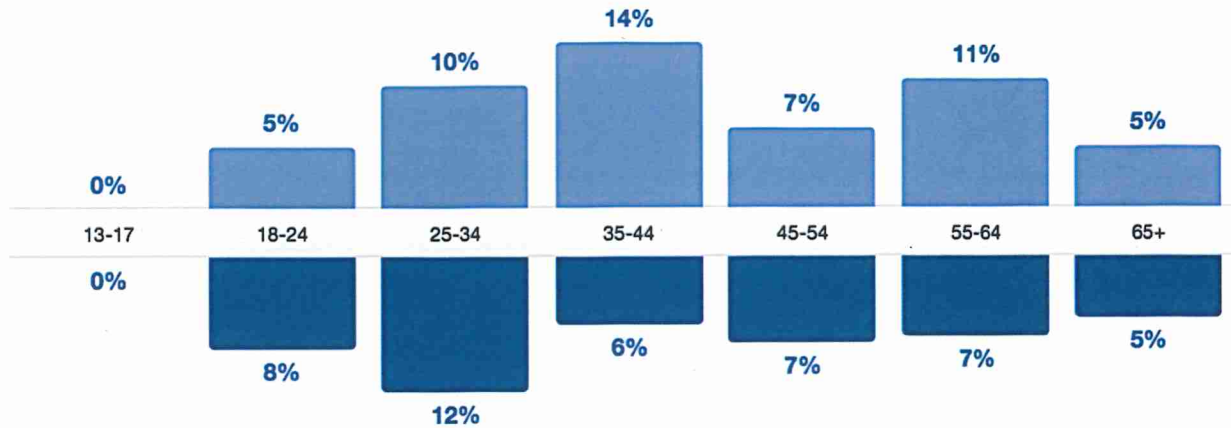
The people who like your Page

Women

53%
Your Fans

Men

45%
Your Fans



Country	Your Fans	City	Your Fans	Language	Your Fans
United States of America	190	Two Harbors, MN	50	English (US)	187
France	1	Duluth, MN	42	English (UK)	4
		Minneapolis, MN	7		
		Knife River, MN	7		
		Ely, MN	4		
		Cloquet, MN	4		
		Silver Bay, MN	3		
		Saint Paul, MN	3		
		Tower, MN	2		
		Esko, MN	2		