



The Auger



Summer 2006

Volume 22, No. 2

The Newsletter of the Minnesota Association of Professional Soil Scientists

President's Message

By Roger Risley, MAPSS President

Hello fellow natural resource professionals!

Wow, we have a great summer tour planned. We are joining together with the SWCS to take a look at the Groundhouse and Sunrise Rivers in Kanabec County.

Both of these rivers are in various stages of investigation and implementation of the Minnesota Pollution Control Agency (MPCA) Total Maximum Daily Load (TMDL) study.

On this full day tour we are all going to learn about the scope and effect of this state-wide program along with the specifics of the data collection, soils, land use and geomorphology of these sites. We have a huge array of presenters and a very ambitious schedule including a business meeting around lunch time. We plan to have soil pits open with former Kanabec County Soil Scientists to describe the profiles, MGS geologists, and resource conservationists, to suggest possible pollution transport mechanisms, and current conservation plans to remediate the conditions. Additional presentations will be made by local landowners, MPCA program managers, DNR fisheries and high school teachers involved in the River Watch program.

During our business meeting we need to approve or reject the proposed revisions to our budget. This includes the establishment, seed money amount and the continuing funding for the following virtual accounts:

| virtual account | seed money |
|--------------------------|-------------|
| Professional development | \$ 1,200.00 |
| Education/Outreach | \$ 750.00 |
| Soil Judging | \$ 700.00 |
| Smithsonian | pending |
| Scholarships | \$ 1,000.00 |
| State Soil Legislation | pending |

- ? The Smithsonian exhibit history.
- ? Funding goal is \$10,000.00 dollars. MAPSS has already contributed \$1,000.00 dollars. We need an

additional \$1,100.45 dollars to meet our goal. We propose donating \$550.00 from the general fund, and allowing the membership to make up the remainder through individual contributions.

The EC committee proposes that all virtual accounts show up as line items on our MAPSS renewal form for membership financial contributions. The first three accounts have already been approved. The last three accounts need approval. These virtual accounts and seed money recommendations come from the Professional Practice committee, and the membership wide survey concerning fiscal spending and interests.

Please be prepared to vote.

Sincerely

Roger Risley, MAPSS President

The next Executive Committee meeting will be held September. Please check the website for location information as this may be via teleconference.

**contact the MAPSS President
at roger.risley@mn.usda.gov**

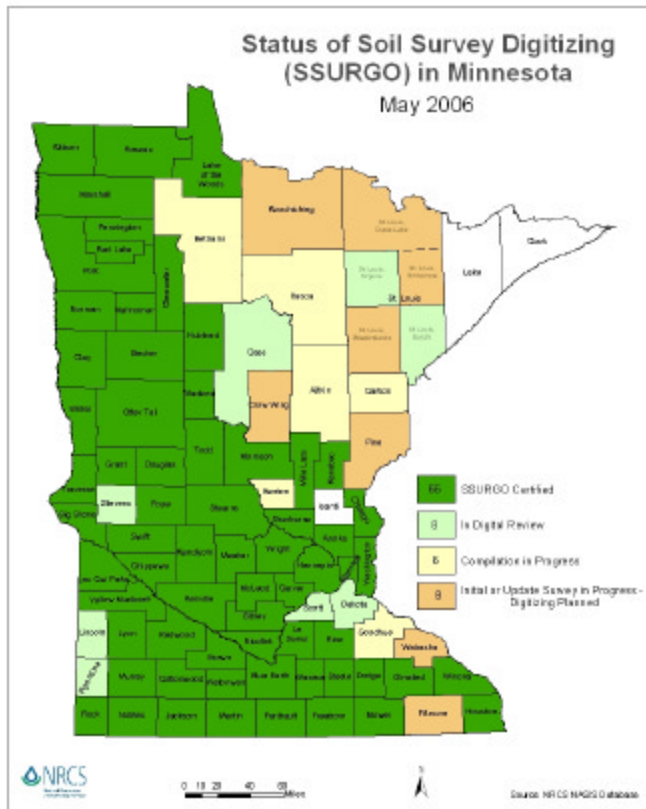
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Status of SSURGO Digitizing for Minnesota

By Al Giencke, PSS

Minnesota USDA-NRCS now has 66 County soil surveys digitized with spatial and attribute. The data is available at the soil data mart (<http://soildatamart.nrcs.usda.gov>) and web soil survey (<http://websoilsurvey.nrcs.usda.gov/app>).



PSS: Retired Status

By Suzanne D'Souza, PSS

An item of interest has recently come to the attention of the Board of AELSLAGID regarding the retired status of licensees. A couple of retired licensees have recently decided to become active licensees (reversing their retired status with the Board). In order to become an active licensee, you must produce a copy of your initial application and subsequent renewals. One of the retired licensees could not locate their initial application, so they called the Board for a copy. The problem arose when they found out that the Board destroys all files of inactive (including retired status) licensees after three (3) years (no copies are

saved in any format). This person will have to reapply for their license and retake the exams! We never know what the future may bring, retired one day, back in the work force the next. Keep a record of your file (*including your initial application*), even if you are retired. This may save a lot of time and hassle in the future.

The Auger is the newsletter of the Minnesota Association of Professional Soil Scientists. It is composed of articles by or submitted by the MAPSS membership and is published three times each year (February/March, June and October). The Auger is available in PDF format on our website, www.mnsoilscientist.org.

If you want to contribute articles, contact the editor: Suzanne D'Souza at 612-741-1365, suzdsouza@hotmail.com or mapss@mnsoilscientist.org

**Articles for the Winter Auger
will be accepted until
October 1, 2006.**

MAPSS Officers - 2006

| | |
|-----------------|--|
| President | Roger Risley |
| President Elect | Scott Smith |
| Past President | Dennis Fuchs, PSS |
| Secretary | Brad Wenz, PSS |
| Treasurer | Bob Whitmyer, PSS |
| Exec. Secretary | Suzanne D'Souza, PSS (<i>ex officio</i>) |
| Student Rep. | position open (<i>ex officio</i>) |

Upcoming Events

July 19, 2006 – Wednesday

Forum of Women in the Environmental Field will host an evening event this month. Cost for this event ranges from \$8 to \$15. Contact the website for additional information when available. www.fwef.org

July 14, 2006 – Friday

MAPSS Summer Tour. TMDLs – What's Soil Got to Do With It? MAPSS along with the SWCS will discuss the MPCA Total Maximum Daily Load (TMDL) study in Kanabec County. Registration forms will be sent in a separate e-mail and will be made available through the MAPSS website. Please contact Roger Risley if you have any questions 218-720-5307 extension 112.

July 9-15, 2006 – Sunday through Saturday
18th World Congress of Soil Science will hold their convention titled *Frontiers of Soil Science: Technology and the Information Age* in Philadelphia, Pennsylvania. <http://www.18wcss.org>

September 23-28, 2006 – Saturday through Thursday
American Institute of Professional Geologists (AIPG) 2006 Convention will be held in St. Paul, Minnesota. The title of this convention is *Sustainability*. They say “Minnesota Rocks in 2006!” www.aipg2006.org

December 1, 2006 – Friday
MAPSS Winter Meeting will be held in St. Cloud. Look for more information in the Fall issue of the *Auger* or on the MAPSS website.

Name That Soil Scientist!



We have a winner! The first person to guess that Steve Stark was the masked man was Gary Elsner. Congratulations and enjoy your MAPSS baseball hat!

Legislative, Website and Board of AELSLAGID Update

By Suzanne D’Souza, PSS

Legislative

Over 2,600 bills were introduced this 2006 legislative session. There were numerous bills regarding new and upgrading wastewater treatment systems. A summary is located at the end of this newsletter and on our website. Contact me for information at 612-741-1365 suzdsouza@hotmail.com. The website for the Minnesota Legislature is: <http://www.leg.state.mn.us>.

The MPCA remains the force for changing the Minnesota Rules Chapter 7080 and the MPCA ISTS Guidance Document (in which the ISTS committee is involved). The MPCA is also working on a storm water guidance document.

Website

If you see anything that needs changing on the website, know of an event or job, hired a new employee, retired, or have any ideas, please send it to mapss@mnsoilscientist.org for posting on the website.

Board of AELSLAGID

The next Fundamentals exam will be held on October 20, 2006. The deadline to send in the application for this exam is August 20, 2006.

Don’t forget to renew your licenses by June 30, 2006.

Mr. Harvey Harvala was re-elected as Chair of the Board of AELSLAGID. Mr. Jerry Ritter is the Vice Chair, Ms. Rachele Schoessler Lynn is the Secretary and Mr. Bill Brown is the Treasurer.

Advertise in the Auger!

| Ad Type | Amount | Cost |
|---------------|----------------------|-------------------|
| classified | first 40 words | \$5.00 |
| | additional words | \$0.20/word |
| position* | first 40 words | \$5.00 |
| | additional words | \$0.20/word |
| ad copy | MS Word ready format | \$15.00/column in |
| business card | standard size | \$25.00 |

Your advertisement will also be added to the MAPSS website for the duration of one issue of the *Auger*. Contact the editor: suzdsouza@hotmail.com or mapss@mnsoilscientist.org.

*free to MAPSS members and will be included on the website

MAPSS Committees - 2006

Award Committee – to be appointed June 2006

Education Committee

Peter Hartman, PSS – Chair
 Jorja DuFresne, PSS
 Howard Hobbs, PG
 Thomas Jackson, PSS
 Kim Steffan, PSS

Election Committee – to be appointed November 2006

ISTS Committee

Robert Whitmyer, PSS – Chair
 Peter Miller, PSS
 Mike Rutten, PSS
 Mark Wespetal, PSS
 Mary West, PSS

Membership Committee

Dennis Fuchs, PSS – Chair
 Al Giencke, PSS

Professional Practice Committee

Peter Miller, PSS – Chair
 Jim Arndt, PSS
 Kelley Bopray, PSS
 Tom Fait, PSS

Scholarship & Funding Committee

Roger Berggren, PSS – Chair
 Jim Anderson, PSS
 Al Giencke, PSS

There have been complaints regarding ISTS work conducted in Minnesota. However, these complaints have been dismissed by the Board as they are on systems that are exempt structures (single family dwellings, for example).

mn.us/statutes.html). The specific portion that covers continuing education is 326.107 (<http://www.aelslagid.state.mn.us/statutes.html#326.107>).

According to the statutes "Continuing education must consist of learning experiences which enhance and expand the skills, knowledge, and abilities of practicing professionals to remain current and render competent professional services to the public. Practitioners may pursue technical, nontechnical, regulatory, ethical, and business practice needs for a well-rounded education provided the education directly benefits the health, safety, or welfare of the public."

www.mnsoilscientist.org

Welcome New/Returning MAPSS Members!

Paul Brandt, Principal Scientist with Earth Tech of Minnesota.

Renew Licenses Before June 30, 2006

Renew Licenses by June 30, 2006

By Suzanne D'Souza, PSS

Okay everyone, it is renewal time! If you are a licensed professional soil scientist, you should have received your renewal notice in the mail by the time you receive this newsletter. If you have not, YOU must contact the Board of AELSLAGID at 651-296-2388 to update your information and receive a renewal form. On-line renewals *will not* take place during this biennium.

You MUST have 24 professional development hours (PDHs) *before* you renew your license by the end of June.

The Board of AELSLAGID (Board) lists continuing education information and what can be considered a PDH on their website (<http://www.aelslagid.state.mn.us/conted.html>). Board staff created a form that can be used to help determine if a class, workshop or activity can be counted toward your continuing education PDHs <http://www.aelslagid.state.mn.us/ceform.pdf>. If this is your very first biennial renewal you are exempt from the continuing education requirement, but not from renewing your license. There is information about obtaining an exemption from the continuing education requirement (for extenuating circumstances); however, this is NOT recommended. The Board is very strict about granting exemptions.

The statute that covers licensure in Minnesota is Minnesota Statutes 326.02 through 326.15 (<http://www.aelslagid.state>

MAPSS Winter Meeting 2005 Minutes

**2005 Winter Meeting of the Minnesota Association of
Professional Soil Scientists
St. Cloud, Minnesota, Best Western Kelly Inn
Friday, December 2, 2005**

Call to order at 1:25 PM

Approval of 2005 summer business meeting

Motion to approve summer minutes Terry Bovee, second by Tom Fait, motion passed

Secretary's Report

Brad Wenz stated that he is working with the Treasurer to maintain the membership roster. He can try to answer questions about individual membership status.

Motion to approve Secretary's report Lauriee Brown, second by Pete Weikle, motion passed

Treasurer's report

Checking balance as of December 1, 2005 is \$10,562.31. The CD balance is \$9152.26. Total balance is \$19714.57. Compared with December 2, 2004, MAPSS funds are \$1,816.07 less than last year. The reason is some additional expenditure: MAPSS booth at MASWCD convention, hiring Suzanne to edit the Auger, and MAPSS hats which are sold at cost or given away for promotion. MAPSS income to December 1, 2005 was \$4,308.57. This includes a \$20.00 scholarship donation. Total expenses were \$6,541.02. Net income versus expenses was minus \$2,252.45. We will recoup some costs from the hats as they come in.

Motion to approve Treasurer's report Pete Hartmann, second by Tom Fait, motion passed

Membership Committee

Dennis Fuchs reported that, as of the end of November 2005 MAPSS membership is composed of 71 Full, 8 Associate, 3 Student, 16 Honorary, and 3 Complimentary members. There is a concern if the honorary membership increases. Dennis recognized new members at this meeting: Joe Storlien (student), Wayne Jacobson, Larissa Schmitt, Mark Perry, Nick Reese (student), and Sharon Johnson. Dennis Fuchs gave a MAPSS hat to Mitch Bender (SCSU Professor) and Dr. Terry Cooper (U of M) for recruiting student members. Dennis stated that the MAPSS booth at the Minnesota Association of Conservation Districts (MASWCD) will interest the SWCD attendees in MAPSS. Several copies of the MAPSS brochure were made by Pete Weikle and will be at the booth. A Student position was recommended by the MAPSS EC to promote student membership and to receive their input. The EC would rely on professor recommendations and the EC would vote on the candidates. Membership encouraged a one year term of office.

Motion by Scott Smith to modify the MAPSS SOP to enable the MAPSS EC to appoint a student (including seniors) as a non-voting EC member for a one year term. The student will be nominated by professors in the field of soil science. The student shall be a current MAPSS member. Second by Paul Brandt, motion passed

Education Committee

Peter Hartman reported that Pat Hamilton at the Science Museum of Minnesota would like professional people to come the museum to give demonstrations or to explain exhibits relating to their professions. Peter felt that MAPSS members could run a soils booth or stations set up during special events during the summer at the museum. Peter asked for names to start a list. About 6 people raised their hands to volunteer.

Motion made by Mark Perry to accept the Education Committee Report, second by Wayne Jacobson, motion passed

Professional Practice Committee

Peter Miller reported that the committee recommends that resources for MAPSS activities be kept in either separate accounts or as budget line items. We could also designate a certain percentage of our budget to go to specified items. Professional development should receive the highest percentage. Jim Arndt would like to step down as chair of this committee. Peter Miller volunteered to chair the committee.

Motion by Tom Fait to elect Peter Miller to chair the Professional Practice Committee, second by Wayne Jacobson, motion passed

Pete Miller added that the Professional Practice Committee needs to have better defined duties.

Motion by Terry Bovee to approve the Professional Practice Committee report, second by Doug Miller, motion passed

Scholarship and Funding

Roger Berggren reported that since there is no funding apparatus set up for scholarships there is no committee report at this time.

ISTS Committee

Terry Bovee reported that the latest version of the "Preponderance Test" is ready. This test is to be used by soil science professionals, at their discretion, to determine where the redox features are and what they mean. Terry said that it would be difficult to assign a weight to a specific question. This will be left up to the professional to make that call. Terry encouraged soil scientists to start using it and feel free to modify it to fit the needs of their application. Let Terry know of any additional ideas for improvements. He will send a PDF file of the test to Suzanne to post on the MAPSS website. Mark Westpetal stated that the ISTS rules are being updated and public notice will go out on December 14, 2005. Redoximorphic features and how we determine seasonally saturated soils (for ISTS purposes) in rule 7080 will be re-classified. Contact Mark to get on the mailing list for these rule changes. MPCA was directed by Senator Mike Jungbauer (District 48) to develop a soils dispute resolution process. One of the steps in the process is a directive to hire a professional soil scientist to help with the resolution process. To his knowledge there is no other State rule or statute that mandates the use of a PSS.

Motion to approve ISTS report by Mark Perry, second by Tom Fait, motion passed

Awards Committee

Dennis Fuchs reported that Jorja DuFresne did not receive any nominations for a 2005 Soil Scientist of the Year.

Election Committee

Doug Miller gave the voting results to Dennis Fuchs. Dennis announced that Scott Smith is the new MAPSS President Elect and Bob Whitmyer is the new Treasurer.

Executive Secretary Report

Suzanne D'Souza reported that the Board is looking changing the statute of limitations for a period that someone can be taken to court. It is currently 10 years. The Wisconsin Society of Professional Soil Scientists will start offering CEUs for their licensed soil scientists. They will also designate 2006 as "The Year of The Soil" to commemorate the State's last acre ceremony. The Society of Professional Geologists is having their national meeting in St. Paul this year. They indicated an interest in enlisting PSS to help with some of the field training. She needs

articles for the February newsletter and ideas to improve the website. Suz will try to get on-line payments set up for meetings, etc. Another goal is to post all previous newsletters and conference Power Point presentations on our website. Soils private consultant websites are now being posted.

Motion by Peter Hartman to approve the Executive Secretary report, second by Tom Fait, motion passed

2006 Summer Meeting

Roger Berggren began to report that Jerry Gorton in Pine County agreed to host the summer meeting and we may add another day for in-service training. However, Sharon Johnson stated that Mark Diers will probably turn down a request to hold the summer tour in Pine County. The soil survey has not progressed far enough. No one presented any other locations. Send ideas to Roger Berggren.

Motion by Paul Brandt to have the Executive Committee will review additional sites and find a location, second by Pete Hartman, motion passed

Motion to approve 2006 summer tour report by Mark Perry, second by Laurie Brown, motion passed

Wetland Delineator Certification Program Update

Fuchs reported that Rachel Roszina, certification program coordinator, would like a representative of MAPSS to assist in the process of developing the in-training program. Wayne Jacobson volunteered to represent MAPSS, Lydia Nelson will serve as the alternate. About 100 turned out for the 1st round of testing. Revisions in the test are planned. Training information is on the BWSR website. Thorough knowledge is required to pass but applicants do not need a specific educational background to get certified. No State wetland delineator licensure required yet.

Motion by Paul Brandt to have Wayne Jacobson represent MAPSS for the wetland delineator certification in-service training program development and Lydia Nelson will serve as the alternate, second by Mark Perry, motion passed

On-site Sewage Treatment Program

Mary West reported that the University of Minnesota is in the process of updating the on-site sewage treatment system manual. She will assist with the soils section.

Motion by Paul Brandt to approve the on site sewage treatment program report, second by Mark Perry, motion passed

MPCA Storm water Manual

Fuchs e-mailed Brian Livingston regarding the field verification section of the manual. He recommended that a PSS licensed by the Board perform this verification. He has not heard back from Brian. He recommended that the Professional Practice Committee follow up on this.

Funding of Projects

Dennis Fuchs presented the Professional Practice Committee funding recommendations to the membership and compared it to the present MAPSS activities funding schedule documented on page 13 of the SOP. Some concern about funding these items without either a dues or meeting price increase. Also some concern that MAPSS needs to keep a fund to defend licensure. The intent of the CD is to use 50% of our budget in an interest bearing account and keep the rest more liquid. Comments that MAPSS needs to start making expenditures according to the constitution. MAPSS needs to use our resources offer something to our members including students. Comments made that MAPSS does not have a budget to deal with activities that arise. We are missing out on some opportunities. Regarding the PP Committee recommendations, the membership may feel more comfortable with the EC using a more organized approach versus simply allocating money to an activity. A funding system is currently in place that allows the EC to fund some activities on short notice according to the SOP funding limits. These funding priorities can be expanded upon based on the PP Committee recommendations.

However, a budget for these items needs to be established.

Motion by Pete Miller that an annual year budget, including income and expenses, be created by the EC to be presented at the summer meeting for a vote. The funding recommendations made by the PP Committee are to be included, second by Dave Aldeen

The EC would also have the ability to raise dues if needed or use other means to cover costs. Fund gathering activities can be earmarked for specific activities and programs.

Pete Miller added to the motion that the EC will present an annual budget to the membership at the winter meeting for the following year. The EC will examine the MAPSS Constitution and SOP to see where we need to make the changes and make sure that we are not violating those rules.

Motion passed

Old Business

Suzanne reported that anyone interested in taking the fundamentals of soils exam for licensure must sign up before January 5, 2006. This will be posted on the MAPSS website.

New Business

Doug Miller reviewed the professional development questionnaire. He will bring the results to the next EC meeting. He feels that there is a potential for generating income for MAPSS from training sessions. Terry Bovee

reported that there is a need for PSS to do preliminary investigations on cluster and larger size sewage treatment systems for design engineers.

Dennis Fuchs figuratively passed the gavel to President Elect Roger Risely. Roger could not be in attendance. Motion by Paul Brandt to adjourn, second by Laurie Brown, motion passed

Meeting adjourned at 3:01 PM

Respectfully submitted by Brad Wenz, MAPSS Secretary
12/30/05

2006 Legislative Session – Summary of Introduced Bills Relevant to MAPSS

Senate Files (numbers preceded with SF)

To review this information go to the following website
and type in the bill number

<http://www.senate.leg.state.mn.us/>

- | | | | |
|------|--|------|---|
| 2351 | appropriating money for a wastewater treatment facility in Askov | 2437 | requiring replacement or discontinued operation of a straight pipe system for sewage disposal within 10 months of notice |
| 2384 | appropriating money for a sustainable and renewable energy industrial park in Mountain Iron | 2448 | appropriating money for TMDL development |
| 2386 | appropriating money for a wastewater treatment facility in the Central Iron Range Sanitary Sewer District | 2493 | capital investment for the Faribault water reclamation plant |
| 2389 | appropriating money to reroute treated water discharge in McGregor | 2495 | appropriating money for sewer and water infrastructure in the City of Ellendale |
| 2391 | appropriating money for a renewable energy clean air project in Koochiching County | 2517 | appropriating money for water treatment facility in the City of Burnsville |
| 2396 | appropriating money for the Minnesota Agricultural Interpretive Center | 2526 | appropriating money for a grant to the City of Avon to conduct an air quality study related to xylene |
| 2398 | appropriating money to study the Rapidan Dam in Blue Earth County | 2543 | appropriating money for a wastewater treatment facility in the City of Brooten and St. Martin |
| 2400 | appropriating money for a wastewater collection and treatment system for the East Range Joint Powers Board | 2557 | appropriating money for a wastewater treatment facility infrastructure for Lake Township |
| 2407 | appropriating money for a wastewater treatment facility by the Garrison, Kathio, West Mille Lacs Sanitary Sewer District | 2564 | extending the ISTS pilot program, amending law 2003, ch 128, art 1, sect 165 |
| 2409 | appropriating money for a wastewater treatment holding pond at Royalton in Morrison County | 2777 | modifying restrictions on motorized vehicles in wildlife management areas |
| 2414 | appropriating money for separate sewers in Bird Island | 2708 | appropriating money for a grant to the Shell Rock River Watershed District for storm water retention |
| 2417 | appropriating money for wastewater line project in Windom | 2723 | requiring a report by the MPCA on new public wastewater treatment facilities that do not meet quality discharge standards |
| 2436 | appropriating money for construction of a zero discharge wastewater treatment plant in East Bethel | 2777 | modifying restrictions of motorized vehicles in wildlife management areas |
| | | 3001 | appropriating money for wastewater treatment facility in Askov |
| | | 3114 | appropriating money for a drinking water grant to the City of Elizabeth |
| | | 3119 | appropriating money for wastewater treatment facility in Nicolville |
| | | 3120 | appropriating money for loans to homeowners for septic system upgrades in Mower County |
| | | 3189 | appropriating money for wastewater treatment facility infrastructure funding program |
| | | 3210 | appropriating money for productive conservation on working farm lands |
| | | 3214 | modifying membership of BWSR |
| | | 3262 | modifying watershed district provisions |
| | | 3283 | check off for fertilizer, soil amendments and plant amendments... |
| | | 3339 | modifying provisions for ISTS applications |
| | | 3372 | appropriating money for the Cedar Mills wastewater treatment facility |
| | | 3576 | appropriating money for a new wastewater treatment facility in Medford |
| | | 3623 | modifying environmental review exemptions for feedlots |
| | | 3696 | providing for reimbursement of cleanup for certain petroleum tank releases |
| | | 3773 | limiting water use permitting fees for aquaculture to no more than \$750 |

House Files (numbers preceded with HF)

To review this information go to the following website and type in the bill number

<http://www.house.leg.state.mn.us/>

2592 appropriating money for a wastewater treatment facility in Askov
2622 sustainable and renewable energy industrial park in Mountain Iron
2631 appropriating money for wastewater collection and treatment for East Range Joint Powers Board
2677 town to contract without competitive bidding in circumstances
2703 appropriating money for separating sewer systems in Bird Island
2708 appropriating money to reroute treated water discharge
2713 appropriating money for wastewater treatment facility in Burnsville
2721 extending ISTS pilot program
2744 appropriating money for wastewater treatment facility infrastructure in Lake Township
2763 appropriating money for City of Ellendale for sewer and water infrastructure
2783 appropriating money for wastewater treatment facility in Century Iron Range Sanitary District
2802 appropriating money for wastewater treatment facility in Brooten and St. Martin
2839 requiring replacement of discontinued operation of straight pipe systems for sewage disposal within 10 months notice
2886 appropriating money City of Avon to conduct air quality study relating to xylene
2896 providing TMDL development
2950 hazardous substance release prevention, preparedness and response
3031 appropriating money wastewater treatment facility in Garrison, Kathio, Mille Lacs Sanitary Sewer District
3055 requiring removal of structures building with pressure treated timber containing chlorinated copper arsenate from schools, parks, proposing new coding for new law MN Statutes 325F
3116 recreational vehicles in wildlife management areas
3157 appropriating money wastewater treatment holding pond at Royalton in Morrison County
3159 notice of certain pesticide application
3313 appropriating money for wastewater treatment infrastructure (MPCA)
3407 appropriating money for loans to homeowners for septic system upgrades in Mower County
3408 appropriating money for wastewater treatment facility in Nicolville
3418 creating a taskforce on public drainage ditch buffers

3441 check off for fertilizer, soil amendments and plant amendments, establishes MN Agriculture Fertilizer Research and Education Council Program, exempt on-farm storage of fertilizer, facility safeguarding and permitting
3517 appropriating money to treat arsenic in drinking water in the City of Elizabeth
3535 appropriating money to Wild Rice Watershed District for a flood hazard prevention study
3673 environmental provision for ISTS, MPCA database of best practices (installation, management and maintenance)
3722 requiring a report by the MPCA on new public wastewater treatment facilities that do not meet water quality discharge standards
3892 appropriating money for a new wastewater treatment facility in Medford
3919 reimbursement for cleanup cost for certain petroleum tank releases
3953 modifying environmental review exemptions for feedlots
3968 authorizing Itasca County to establish a revolving loan fund to upgrade failing septic systems
3983 appropriating money for the Cedar Mills wastewater treatment facility
4037 appropriating money Clean Water Legacy, phosphorus reduction grants and small community wastewater treatment program loans
4041 limiting water use permitting fees for aquaculture
4218 requiring the Department of Agriculture to perform studies related to pesticides and report to the legislature

| | |
|------|-------------------------------------|
| BWSR | Board of Water and Soil Resources |
| ISTS | individual sewage treatment systems |
| MPCA | Minnesota Pollution Control Agency |
| TMDL | total maximum daily load |

In order for a bill to pass into legislation (law) it must:

have a companion in the house and senate
be identical to each other
be passed by the house and senate
signed by the governor

**MAPSS Summer Tour
July 14, 2006 (Friday) in
Kanabec County**

Watch for registration forms!!