



**NORTH DAKOTA CHAPTER
SOIL AND WATER CONSERVATION SOCIETY**

RESOURCES *for the* **FUTURE**

Volume 18 Number 1

March 2008

Chapter Officials:

Lena Bohm, **President**
Richard Webb, **President-Elect**
Jennifer Hegge, **Past President**
Kristin Wild, **Secretary-Treasurer**
Penny Doty, **Council Representative**
Mike Collins, **Council Representative**

Committee Chairs:

Awards: Steve Schroeder, Bob Bird
Environmental Education: Pam Copenhaver
Foundation Representative: Ron Luethe
Fundraising: Mike Collins
Historian: Fred Aziz
Professional Erosion and Sediment Control Liaison:
Myron Senechal
Legislative:
Membership: Russ Jordre
Newsletter: Jill Howard
Nominations: Todd Solem
Publicity: Kristin Wild
Scholarship: Mark Anderson
Webmaster: Jon Stika

Leadership Series #1
Submitted by Mike Collins

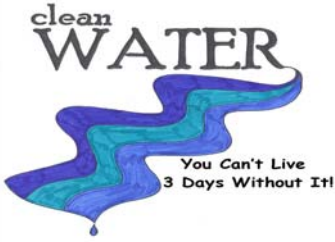
3 Important Factors of a Leader

- 1. Don't be afraid to admit you made a mistake. You're only human and no one is perfect.**
- 2. Don't be afraid to compliment. Feedback is as essential as communication is.**
- 3. Don't be afraid to ask of others opinion. Two brains are better than one.**

NDSWCS Scholarship Available

- \$500 Scholarship
- Application due March 15, 2008
- Contact Mark Anderson @ (701) 530-2039
- Download application at www.ndswcs.org

T-Shirts for Sale



SWCS Fundraising Chairperson Mike Collins was charged with coming up with ideas for the ND Chapter. With some brainstorming it has been decided to market t-shirt themes for the ND Chapter. With some creative artistic skills of Kristin Wild they have come up with a few examples. They are; “Soil, It’s What Makes Dinner”, “Clean Water, You Can’t Live Three Days Without It”, “Soil Profiles, Feeding the World One Profile at a Time” and “The SWCS Journal, the Award Winning Conservation Journal , Stay Connected”. They will be going on sale soon for twenty dollars/shirt. If you would like to order, have any other clever ideas on t-shirt themes or any questions contact Mike Collins by emailing him at msdm@daktelwb.com. Please help promote and



support the ND Chapter by buying one or more of these t-shirts.

2007 ND CHAPTER AWARDS COMMITTEE REPORT

Br. Bob Bird, Co-Chair (rajmbird@aol.com)

Dr. Steve Schroeder, Co-Chair (sschroeder@nd.gov)

The North Dakota Chapter was very successful at having members in the state recognized at the annual national society meeting. Three national awards were presented to Chapter members and one award to another outstanding state individual at the 2007 annual national meeting held in Tampa, Florida. Based upon the nominations submitted by the North Dakota Chapter, the National Headquarters presented a **Conservation Research Award** to Dr. Don Tanaka, a **Honor Award** to Mr. Gene Goven, an **Outstanding Service Award** to Dr. Stephen Merrill, and a **Commendation Award** to Ms. Jennifer Hegge.

The following four state Chapter awards were presented at the annual Chapter Awards presentation and meeting in Bismarck, ND on October 4, 2007:

Dr. Mark Liebig, Soil Scientist at the USDA ARS Northern Great Plains Research Laboratory, was awarded the **Professional Award** for conducting research with a team of scientists to develop soil, crop, and animal management practices for the northern Great Plains to overcome limitations to productivity while maintaining or enhancing environmental quality. He has also helped with various field days at the laboratory and educational seminars for the state chapter of SWCS.

Mr. Roy Laframboise, nursery manager at the Towner State Nursery, was awarded the **Service Award** for his more than 37+ years of effort and work for the North Dakota Forest Service as a recognized leader in the areas of mechanization, educational outreach, applied research, customer service, and cooperation with private nurseries. The Towner State Nursery annually produces 1.2 million conifer tree seedling of various species for conservation plantings in North Dakota.

Western Plains Consulting Inc., was awarded the **Business Stewardship Award** for its consulting work where the staff promotes sound science to integrate nature and disturbances as a result of human activities to restore degraded environments as part of their business plan. In addition, WPC is a sponsor of many educational seminars and symposiums held during the year in order to enhance the knowledge of others.

Ms. Kristin Wild was awarded the **2007 North Dakota Chapter Horizon Award** that recognizes members with 10 years or less membership in the North Dakota Chapter who have shown steady progression in their chosen profession and have also taken an active role in Chapter activities either as an officer or on a committee.

New Intermediate Wheatgrass on the Horizon

John Hendrickson, John Berdahl, Mark Liebig and Wayne Duckwitz (USDA-NRCS Bismarck Plant Materials Center)

Intermediate wheatgrass provides many advantages to producers. It is easy to establish and has high yields and quality. However, stands of intermediate wheatgrass are generally not long lived especially when they are grazed. The Northern Great Plains Research Laboratory and the Bismarck Plant Materials Center are currently working on a planned release of a new cultivar of intermediate wheatgrass 'Manifest' which has shown greater ability to withstand grazing while at the same time maintaining the yield and quality desirable in intermediate wheatgrass.

Table 1 shows the average yields of Manifest in comparison to other common intermediate wheatgrass cultivars for various locations in the Great Plains and Utah. Average yields for Manifest were very comparable to the other cultivars and Manifest had the highest yield when averaged across all locations. Table 2 shows crude protein (CP) and *in vitro* dry matter digestibility (IVDMD) values for the selected cultivars. IVDMD is a measure of how well livestock can digest the forage. While Manifest had slightly lower CP and IVDMD values than the averages of all the cultivars, it was still high quality forage for livestock.

The big advantage of Manifest is its improved ability to withstand grazing. This was tested by marking individual tillers or shoots of different cultivars and determining if those shoots remained alive, died or were replaced by new shoots after being grazed. This information was then compiled into a shoot replacement ratio. The higher the ratio the better a cultivar does under grazing. Figure 1 compares the shoot replacement ratio of Manifest with Reliant, Manska and Oahe. Because of Manifest's high shoot replacement ratio, this cultivar should withstand grazing and have increased stand longevity.

Manifest has the traditional high yields and high quality which make intermediate wheatgrass attractive forage for producers in the northern Great Plains. The increased persistence of Manifest during grazing will result in greater stand longevity for producers. Research at NGPRL has suggested that the best time to graze intermediate wheatgrass to increase its persistence is before the boot stage. This generally occurs in early to mid June at Mandan.

This cooperative release effort between the USDA Northern Great Plains Research Laboratory and the USDA Natural Resources Conservation Service, Plant Materials Center is one of many of the cooperative efforts in assuring that adaptable forage grasses are commercially available to the public. The USDA-NRCS Bismarck Plant Materials Center established a Foundation Seed production field of Manifest in 2006 and the first harvest of seed was in late July of 2007. This seed will be cleaned and allocated for seed increase with hopes of Manifest seed being commercially available in 2010 for pasture, hayland plantings and other conservation uses.

Table 1. Average dry-matter yields of intermediate wheatgrass cultivars in a cooperative regional trial. (2001-2003, also 2000 at Mead NE)

Entry	Location/ (Number of years)						Mean (19)
	Mandan, ND (3)	Miles City, MT (3)	Mead, NE (4)	Sidney NE (3)	Blue Creek, UT (3)	Green Canyon, UT (3)	
	-----Pounds/Acre-----						
Manifest	4614	1409	9708	3215	1729	3406	4611
Reliant	4867	1295	8738	3162	1192	3365	4214
Manska	4206	1396	7774	3076	1361	3783	3931
Oahe	4864	990	8466	3355	1506	2706	4405
Greenar	3843	1170	8101	2907	1873	3762	4071
Beefmaker	4505	1537	9163	3253	1125	2682	3924
Haymaker	4422	1369	8996	3091	1116	3152	4161
Mean	4474	1310	8654	3151	1415	3265	4150

Table 2. Crude protein (CP) and *in vitro* dry matter digestibility (IVDMD) for different intermediate wheatgrass cultivars at Mandan, ND (2 yr) and Mead, NE (4 yr).

Entry	Mandan, ND		Mead, NE	
	IVDMD	CP	IVDMD	CP
	-----%-----			
Manifest	62.3	6.9	65.1	9.1
Reliant	63.2	8.1	66.0	9.5
Manska	63.6	7.5	66.3	9.7
Oahe	61.2	7.5	64.1	8.9
Greenar	62.5	6.9	64.6	9.4
Beefmaker	63.9	8.1	66.5	9.3
Haymaker	63.2	7.5	65.1	9.4
Mean	62.8	7.5	65.4	9.3

Shoot Replacement Ratios

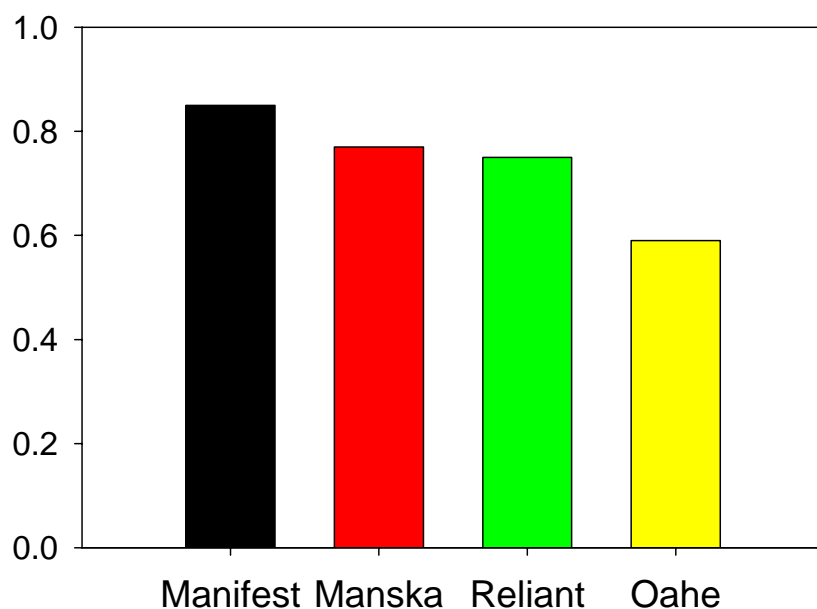


Figure 1.

North Dakota Chapter Soil and Water Conservation Society By-Laws
Revised 2007

Article I – Name

The name shall be North Dakota Chapter, Soil and Water Conservation Society (hereinafter referred to as the 'Chapter').

Article II – Area

Section (1) Headquarters of the Chapter shall be the address designated by the Board of Directors.

Section (2) The state of North Dakota shall constitute the area of the Chapter.

Article III – Objectives

Section (1) The mission of the Society is to foster the science and art of natural resource conservation by carrying out activities and programs in professional development, conservation science, education, and public affairs.

Section (2) The Chapter may formulate, issue, and publish statements expressing the attitude of the Chapter on matters within the scope of this Article.

Article IV – Membership

Section (1) Membership in the Chapter shall be limited to persons holding membership in the Soil and Water Conservation Society (hereinafter referred to as the 'Society').

Section (2) The classes of membership shall be the same as those of the Society.

Section (3) Upon payment of Chapter dues, such persons as qualify under Section (1) above shall acquire similar type membership in the Chapter.

Section (4) The annual dues of the Chapter shall be proposed by the board of directors and established by the membership at the annual meeting of the Chapter. Society dues and Chapter dues shall be payable together to the Society in advance of or on the individual members anniversary date.

Section (5) All members shall have the privilege of the floor at any meeting the Chapter and shall have the right to vote on any proposition or in any election. Voting may be by USPS mail, email ballot, or at a scheduled meeting.

Section (6) Membership in the Chapter shall end upon termination of membership in the Society, upon failure to pay Chapter dues within 60 days after the membership anniversary date as set by the Society; or by resignation.

Section (7) Membership in the North Dakota Chapter does not restrict membership in other chapters of the Society.

Article V – Officers

Section (1) The officers of the Chapter shall consist of a past president, president, president-elect, a secretary-treasurer, and two directors.

Section (2) The past president, president, and president-elect shall be two year terms. Each of the two director positions are two year terms. One director shall be elected every year. The secretary-treasurer shall be elected annually. All positions must be elected from the membership.

Section (3) The president-elect will automatically become president for the ensuing two years.

Section (4) No officer, except the secretary-treasurer, shall be eligible for reelection to the same office until one year from the date the officer's term of office expires. The secretary-treasurer may be re-elected for more than one year.

Section (5) Terms of office shall begin and end with the adjournment of the appropriate annual meeting.

Section (6) The president shall preside at meetings of the Chapter, shall be chairman of the board of directors, shall appoint all committees including those established by the board of directors, and shall perform all other duties usually vested in this office. In the absence of the president, the president-elect shall perform the duties of the president.

Section (7) Duties of secretary-treasurer shall be those usually pertaining to this office. The secretary-treasurer shall issue notices of annual or special meetings as determined by the board of directors. The secretary-treasurer shall be responsible for all funds of the Chapter, and shall be bonded if the board of directors determines that bonding is needed, and at the Chapter's expense. The secretary-treasurer's accounts shall be audited at the close of the operations year by the first year Director. A financial report will be presented at the annual meeting.

Section (8) Vacancies among officers shall be filled from the Chapter membership for the unexpired term of office by vote of the board of directors.

Article VI – Elections

Section (1) Candidates for office of president-elect, secretary-treasurer, and director shall be selected by a nominating committee named by the president.

Section (2) Nominations shall be submitted to the entire membership not later than fifteen (15) days prior to the annual meeting. Voting shall be by secret ballot or e-mail ballot should the member waive secrecy rights. Additional nominations may be made by write-in vote. Sealed ballots shall be returned to the secretary-treasurer prior to the annual meeting and delivered unopened to a committee named by the president for counting. A candidate receiving a plurality of the votes cast for each office shall be declared elected.

Article VII – Board of Directors

Section (1) The governing body of the Chapter shall be the board of directors consisting of the president, president-elect, secretary-treasurer, immediate past president, and two directors elected by the Chapter membership according to provisions in Article IV.

Section (2) The board of directors shall have the power to fill any vacancies occurring in its offices; recommend to the Chapter for action bylaw consistent with the bylaws of the Society;

provide direction of expenditures and funds; and perform such duties as may be hereinafter prescribed.

Section (3) Meetings of the board of directors shall be called by the chairman or upon request to the president by a quorum of the board of directors. Except in cases of emergency, all members of the board of directors shall be notified at least five (5) days in advance of the date and place of the meeting and of business to be acted upon.

Section (4) One-half of the members of the board of directors shall constitute a quorum for transaction of business.

Article VIII – Committees and Delegates

Section (1) The president shall appoint Committee Chairpersons and committee members may be established by the board of directors for any purpose within the scope of the objectives of the Chapter.

Section (2) No committee may expend funds unless authorized by the board of directors.

Section (3) The board of directors of the Chapter shall select a delegate and an alternate delegate. The delegate or alternate, if the delegate is unable to attend, will represent the Chapter in the House of Delegates during the Society annual meeting.

Section (4) Selection of the delegate will be made by the board of directors at the request of the Society

Article IX – Meetings

Section (1) The Chapter shall hold an annual meeting and board of directors meetings at place and date elected by the board of directors.

Section (2) Notices of Chapter meetings shall be given by the secretary-treasurer to all members at least thirty (30) days prior to the meeting date.

Article X – Status and Dissolution

Section (1) The Chapter is a nonprofit organization without capital stock, dedicated to the furtherance of conservation for benefit of the general public, not for the monetary profit or gain of its members.

Section (2) This Chapter may be dissolved by resolution requesting dissolution if passed by a majority of members voting by USPS mail, email, provided that notice of such action has been sent to all members at least fifteen (15) days prior to deadline.

Section (3) If dissolution is favored in accordance with Section (2), the last board of directors shall pay all just debts out of Chapter funds and transfer all remaining monies and assets to the Society. All records, correspondence, and other papers shall be forwarded to the Society.

Article XI – Parliamentary Authority

Section (1) The rules contained in "Robert's Rules of Order – Revised" shall govern the Chapter in all cases to which they are applicable.

Article XII – Amendments to Bylaws

Section (1) These bylaws may be amended by a majority vote at a regular meeting or by USPS mail and email if the proposed changes have been provided to all members at least fifteen (15) days prior to the voting deadline or meeting.

Section (2) No bylaw provision or amendment may be adopted which is not in keeping with the Society bylaws or the educational and scientific purposes of the Chapter. Upon official notification by the Society that a provision or amendment not in such keeping and after due opportunity for hearing the Chapter, such provision amendment shall be void and of no effect.

Section (3) Amendments shall, unless otherwise provided therein, be declared being in effect upon receiving a majority of votes cast by the members voting.

Article XIII – Effective Date

These by-laws were adopted by majority vote of the membership on October 4, 2007.

President Lena Bohm

President Elect _____ (vacant)

Secretary – Treasurer Robert Zind / Kirsten Wild

Director Michael Collins

Director Richard Hill

Dates to Remember

March 6-8 Northern Plains Regional SWCS Technical Meeting – Rapid City South Dakota

July 26-30 2008 Annual SWCS Conference - Tucson Arizona

October 20-22 Farming with Grasslands – Oklahoma City Oklahoma