

Sitting Bull College
Natural Resources Education Project

Linda Hugelen, Coordinator

Year Four Report
October 1, 2004 — September 30, 2005

Linda attended the **NRE Annual Meeting** at Niobrara State Park in Nebraska.

Sponsored and co-hosted with Tribal USDA Coordinator Manaja Hill "**Power of the Land**", an educational/informational program about natural resources that airs every Wednesday from 10 a.m. until 12 noon on KIND, 89.5 FM.

Dr. Lee Manske, Range Scientist with NDSU Dickinson Research Extension Center, gave a two-day *range* tour. Dr. Manske presented a I credit graduate level course (through NDSU) on **Designing Planned Grazing Systems**

Linda taught **classes** including Introduction to Range Management, Naked Eye Star Knowledge, Agribusiness Management, Range Plant Identification (completely on-line) and Online Weather Studies (completely on-line). It is hoped that on-line classes will allow more students to enroll as they will not be required to travel.

Water quality testing continues throughout the reservation. Loretta BadHeartBull visited communities and Martin Gipp is locating and testing livestock drinking water sites throughout the reservation. **Water/Environmental Working Group** meetings resumed,

Linda advises the **Ecology Club**. Eight students and one faculty member went to Anchorage, Alaska for the AISES Annual Meeting.

Linda and Ecology Club President Justin Parisien attended the Ecological Society of America (ESA) **Annual Meeting held in Montreal, Canada** in August and presented a poster about the native grass seeding project at the new campus. Linda was awarded a Faculty Travel Award to attend the meeting and Justin received a Student Travel Award to attend the meeting.

Worked closely with **Leo Schleicher, SDSU Turf grass specialist**, to complete the grass seeding project on the new campus. Seeding around the houses was completed in July. SBC students, James Parisien and Martin Gipp, were hired to maintain the grass seeding during the summer months.

Monica Cady Skye worked part-time until spring to promote gardening and recycling in the tribal communities, schools and with individuals. Sponsored Monica's attendance at the Northern Great Plains Sustainable Ag Conference

Linda visited **schools throughout the reservation to promote gardening**, farmer's markets and fairs. Three seed packets (Hubbard squash, yellow crookneck squash and beans) were delivered to all the schools (enough for each student and staff). Each Local Tribal District was sent a letter requesting that they host a fall festival this year, and a spring festival and a fall festival next year (by mid-September) and they will be reimbursed.

Lois Olson, SBC student, worked part-time at the Mobridge Site until spring. She designed herb gardens to be planted on the campus, promoted gardening and recycling.

Participated in meetings between county, state, federal, and tribal staff on the topic of controlling **noxious weeds**, especially leafy spurge and salt cedar.

Worked with the **ARS Northern Great Plains Research Laboratory** in Mandan serving on their Focus Group and attending their research results presentations.

Met with Economic Committee and the **tribal conservation district** to assist them with their plan of work and long range plan.

Co-hosted with Manaja Hill, Tribal USDA Coordinator, a **Natural Resources Management Meeting** on December 2. Participating agencies included the USDA NRCS and FSA, Tribal Departments, SBC and BIA. Co-hosted a two-day land user informational educational/**USDA listening forum** meeting held at Grand River Casino in March. Linda represented SBC at a **Tribal USDA/NRCS Listening Forum** held at the Grand River Casino in September. Participated in meetings between county, state, federal, and tribal staff on the topic of controlling noxious weeds, especially leafy spurge and salt cedar

Linda assisted the SBC Facilities Committee in writing a grant to the North Dakota Department of Transportation for an Interpretative Trail/Walking Path on the new campus. The grant was not awarded. A second opportunity to apply will be in a year, and the proposal will be resubmitted with modifications at that time.

Linda continues working toward a **PhD degree in Biological Sciences** on her own time. Dissertation research on the soil seed bank composition under different grazing treatments will begin in the fall. SBC students will have the opportunity to assist to gain experience in research.

Linda co-hosted with SDSU and accompanied **Martin Gipp to SDSU** campus as he is interested in transferring there to obtain a bachelor's degree in agriculture.

Linda attended the **Online Weather Studies** Workshop held May 15-20 in Kansas City, Missouri and became certified to teach the course by the same name. All expenses involved for this training were paid by the American Meteorological Society (AMS).

Assisted Tina McKinney from **United Tribes Technical College in collecting plants** and making a **plant collection**. Assisted Linda Jones with plant mounting techniques for her Ethnobotany Lab.

Worked with others to improve the **Interpretive Trail at the Prairie Knights Marina**.

Gary organized efforts for three students from Solen High School to participate in the **George Washington Carver program on the campus of Iowa State**. One student was unable to participate.