



Environment and Natural Resources Trust Fund (ENRTF) M.L. 2016 Work Plan

Date of Report: May 29, 2016

Date of Next Status Update Report: January 30, 2017

Date of Work Plan Approval:

Project Completion Date: August 30, 2018

Does this submission include an amendment request? No

PROJECT TITLE: Standards-Based Dakota Indian Land Stewardship Education

Project Manager: Darlene St. Clair

Organization: Dakota Wicohan

Mailing Address: PO Box 2

City/State/Zip Code: Morton, MN 56270

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Email Address: dstclair@stcloudstate.edu

Web Address: www.dakotawicohan.com

Location: Statewide

Total ENRTF Project Budget:

ENRTF Appropriation: \$197,000

Amount Spent: \$0

Balance: \$197,000

Legal Citation: M.L. 2016, Chp. 186, Sec. 2, Subd. 05f

Appropriation Language:

\$197,000 the second year is from the trust fund to the commissioner of natural resources for an agreement with Dakota Wicohan to enhance the capacity of approximately 1,250 students to be stewards of the land in Minnesota by learning about Dakota Indian values and environmental principles through a standards-based experiential multimedia curriculum. This appropriation is available until June 30, 2019, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Standards-Based Dakota Indian Land Stewardship Education

II. PROJECT STATEMENT:

Dakota Wicohan will improve the capacity of 1,250 students to be better stewards of the land in Minnesota. They will gain this skill by learning about the indigenous context of Minnesota including Dakota Indian values and environmental principles through a proven interactive curriculum entitled *Mni Sota Makoce*. *Mni Sota Makoce* is a standards-based experiential multi-media curriculum named after the Dakota name for this region. It was developed and tested by Dakota Wicohan, a successful Native non-profit and cultural resource center in Morton. To reach 1,250 students around the state, Dakota Wicohan will partner with our committed educational network, including: Minnesota Department of Education, Minnesota Historical Society, Minnesota Humanities Center, St Cloud State University, and University of Minnesota-Morris.

The curriculum contains ten experiential, story-based lessons, with online and print materials including:

- + Oral Interviews with Dakota elders and Dakota youth
- + Traditional Dakota teaching stories about the relationship between humans and the land
- + Examples of how the Dakota language communicates Dakota values and worldviews regarding land and the land's inhabitants
- + Hands-on experiential activities in which students test and apply new concepts outdoors
- + Reflective and service learning activities in which students demonstrate new knowledge and understanding
- + Supports for curriculum facilitators to implement the curriculum even if they are not American Indian

We will connect 1,250 Minnesota students to this curriculum resulting in:

- + Expanding Minnesotans' access to significant Dakota Indian environmental knowledge and wisdom
- + Offering students a new way of connecting to the land, as a relative we care deeply about
- + Engaging students in interactive activities that apply this teaching to their own lives and communities
- + Adding American Indian environmental wisdom into the schools in alignment with new State Standards
- + Trained educational partners who can continue to use this curriculum long after grant ends

As the oldest cultural group in Minnesota, the Dakota offer a significant wisdom tradition and philosophical orientations toward the earth and about how to care for the environment. The Dakota worldview is based on the concept of *Mitakuye Owasin*, meaning "All My Relations." Dakota people regard the land and all of its inhabitant as relatives. The earth is commonly referred to as *Kunsi Maka*, Grandmother Earth. By walking in balance and with respect, we care for our grandmother. We demonstrate compassion for the environment. This understanding, paired with hands-on activities in the curriculum, lead to increased capacity for environmental stewardship.

III. OVERALL PROJECT STATUS UPDATES:

Activity Status as of January 30, 2017:

Activity Status as of August 30, 2017:

Activity Status as of January 30, 2018:

Activity Status as of August 30, 2018:

Overall Project Outcomes and Results:

IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1: *Statewide Student Engagement in Dakota Land Curriculum*

Description:

Dakota Wicohan will ensure the delivery of the *Mni Sota Makoce* curriculum to middle school students around the state of Minnesota. Students will have access to our online and print resources so they can actively learn about and integrate Dakota values of caring for the land as a relative in their own lives and bioregions. Students will learn about Dakota environmental teachings and philosophies. They will apply these teachings in their own lives and complete a final project. Examining Minnesota as a Dakota place will encourage students to consider their own individual, family and community connections to this place. Students will be guided by teachers who will benefit from a curriculum-specific teacher training and ongoing support. To support these facilitators, Dakota Wicohan will provide real-time feedback through emails, phone calls, and classroom visits. The *Mni Sota Makoce* curriculum delivery will engage 1,250 students, rolling out in two cohorts—with 375 students in Cohort 1 and 875 students in Cohort 2. We will strive for a broad mix of rural, urban, and suburban schools.

Summary Budget Information for Activity 1:

ENRTF Budget: \$ 70,424

Amount Spent: \$ 0

Balance: \$ 70,424

Outcome: 1,250 Students Can Actively Demonstrate Caring for our Relative, the Land	Completion Date
1. 375 students in Cohort 1 complete the <i>Mni Sota Makoce</i> curriculum.	12/31/2017
2. 875 students in Cohort 2 complete the <i>Mni Sota Makoce</i> curriculum.	07/30/2018

Activity Status as of January 30, 2017:

Activity Status as of August 30, 2017:

Activity Status as of January 30, 2018:

Activity Status as of August 30, 2018:

Final Report Summary:

ACTIVITY 2: *Ensure Greatest Impact of Curriculum through Facilitator Preparation*

Description:

Cross-cultural understanding is critical to effective delivery of the *Mni Sota Makoce* curriculum. But teachers can't teach what they don't know. Most teachers report that they learned almost nothing about the indigenous peoples of Minnesota in their K-12 educations and teacher training programs. This project will develop relationships with teachers across the state. Through these relationships, teachers will be better positioned to engage with the content of *Mni Sota Makoce* in an environment of support. To increase teachers' sense of competency, Dakota Wicohan will offer an intensive cross-cultural environmental training workshop to transmit the confidence, knowledge, and capacity facilitators need to teach the new curriculum well. We will contract with a graphic design firm that will use appropriate instructional design to provide the lessons and resources online. Dakota Wicohan will co-host the teacher trainings in venues around the state. Our committed co-hosts and training partners are: Minnesota Department of Education, Minnesota Valley History Learning Center, Minnesota Historical Society, Minnesota Humanities Center, and St. Cloud State University. Last, we will provide real-time support to teachers during the curriculum implementation through online discussions, phone calls, emails, and classroom visits.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 74,153

Amount Spent: \$ 0

Balance: \$ 74,153

Outcome: 50 Facilitators Prepared to Teach Cross-Cultural Environmental Content	Completion Date
1. <i>Develop a face-to-face teacher training for using Mni Sota Makoce with confidence, competence, and compliance with State Standards.</i>	12/31/2016
2. <i>Expand reach by adding an on-line training and ongoing support.</i>	03/31/2017
3. <i>Train 15 teachers with 2 educational partners in Year 1</i>	07/30/2017
4. <i>Train 35 teachers with 3 partners in Year 2</i>	12/31/2017

Activity Status as of January 30, 2017:

Activity Status as of August 30, 2017:

Activity Status as of January 30, 2018:

Activity Status as of August 30, 2018:

Final Report Summary:

ACTIVITY 3: *Evaluate and Report on Dakota Land Curriculum Impact*

Description:

Leveraging our existing research partnership with UM-Morris, we will analyze student and teacher pre and post curriculum surveys. Reports will demonstrate the impact on learner stewardship of the land and will help with future dissemination so that more students in Minnesota actively bring care and compassion for the environment into their communities and bioregions across the state.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 52,424

Amount Spent: \$ 0

Balance: \$ 52,424

Outcome: <i>Knowledge From LCCMR-Funded Project Captured for Future Dissemination</i>	Completion Date
1. <i>Evaluate teacher training workshop in Year 1, resulting in improved teacher workshop</i>	12/31/2017
2. <i>Evaluate teacher and learner impact for Cohort 1 with data from up to 375 students</i>	12/31/2017
3. <i>Evaluate teacher and learner impact for Cohort 2, with data from up to 875 students</i>	07/30/2018

Activity Status as of January 30, 2017:

Activity Status as of August 30, 2017:

Activity Status as of January 30, 2018:

Activity Status as of August 30, 2018:

Final Report Summary:

V. DISSEMINATION:

Description:

We will report on impact through evaluation of the 1,250 students reached between July 2016 and June 2018. This will enhance future curriculum dissemination planned by Dakota Wicohan, bringing more students across Minnesota this unique opportunity to be better stewards of the land for which we all care so deeply. Increasing

the numbers of qualified, competent and confident teachers will have a long-term impact on the numbers of students who learn this content. Dakota Wicohan’s ultimate vision is that all students across Minnesota complete this curriculum.

Activity Status as of January 30, 2017:

Activity Status as of August 30, 2017:

Activity Status as of January 30, 2018:

Activity Status as of August 30, 2018:

Final Report Summary:

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget Overview:

Budget Category	\$ Amount	Overview Explanation
Personnel:	\$61,271	Samantha Odegard, Curriculum Asst, 0.20 FTE 14,350 (salary) + 3,300 (benefits)= \$17,650; Nora Murphy/TBD, Asst Director, 0.15 FTE 15,375 + 3,536= \$18,911; Dory Stands, Admin Asst, 0.10 FTE 7,175 + 1,650= \$8,825; Eileen O'Keefe, Program Director, 0.15 FTE 12,915 + 2,970 = \$15,885. Total Personnel is \$61,271.
Professional/Technical/Service Contracts:	\$129,000	Project Coordinator: Darlene St. Clair, St. Cloud State, 20 hrs/month x 24 months x \$100/hr = \$48,000; Educational Consultant: Barbara Cox, 8 hrs/mo x 24 x \$75 months = \$14,400; Project Evaluator: Teresa Peterson, 5 hrs/month x 24 months x \$100/hr = \$12,000; Project Evaluator Consultant, Heather Peters, UM-Morris, \$18,000; Cost for Workshops with Educational Partners: Minnesota Valley History Learning Center, Minnesota Humanities Center, Minnesota Historical Society, and St. Cloud State to lead up to 4 trainings @ \$5,000/training for a total of \$20,000; and Online Graphic Design Consultant: will put to bid, \$16,600. Total Professional/Contract = \$129,000.
Equipment/Tools/Supplies:	\$2,156	\$431/training workshop for hospitality & supplies x 5 workshops = \$2,156
Travel Expenses in MN:	\$4,573	Contractor travel for training development and training workshops = 250 miles round trip between Twin Cities and Morton, MN (Dakota Wicohan) x 0.565/mile x 26 trips = \$3,673; and Hotel for training workshops = \$90/night x 2

		contractors x 5 workshops = \$900. Total travel = \$4,573
TOTAL ENRTF BUDGET:	\$197,000	

Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation: 1.25

Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation: .41

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			
Dakota Wicohan	\$9,855 (in kind)	\$	Dakota Wicohan will contribute \$9,855 in basic project costs to support this project at the rate of 5% of total direct costs.
Minnesota Historical Society	\$10,000 (in kind)	\$	Training workshop development and technical support
State			
Legacy—Arts & Cultural Heritage	\$98,039	\$	Revise curriculum based on pilot evaluation, develop stronger teacher training
TOTAL OTHER FUNDS:	\$117,894	\$	

VII. PROJECT STRATEGY:

A. Project Partners:

Minnesota Department of Education, Roseville, Indian Education, Dennis Olson
 Minnesota Historical Society, St Paul, Education & Outreach Departments, David Grabitske
 Minnesota Humanities Center, St Paul, Absent Narratives Training Workshop, Casey DeMarais
 Minnesota Valley History Learning Center, Morton, Pauline Nickel (UM-SWRC)
 St. Cloud State University, St. Cloud, Multicultural Resource Center, Iyekiapiwin Darlene St. Clair
 University of Minnesota-Morris, Morris, Center for Small Change and Heather Peters

B. Project Impact and Long-term Strategy:

We will report on impact through evaluation of the 1,250 students reached between July 2016 and June 2018. This will enhance future curriculum dissemination, bringing more students across Minnesota this unique opportunity to be better stewards of the land for which we all care so deeply.

C. Funding History:

Funding Source and Use of Funds	Funding Timeframe	\$ Amount
Minnesota Historical Society, Legacy—Arts & Cultural Heritage—curriculum development and pilot testing	01/01/2014 to 04/01/2015	\$89,441
Collaborative Research Center for American Indian Health (CRCAIH)—evaluation of curriculum, the primary recipient	08/01/2014 to 07/31/2015	\$25,510

was the University of Minnesota with Dakota Wicohan as a sub-recipient		
Indian Land Tenure Foundation—to include information on sovereignty in the project, to use their resources in the development of the curriculum	04/18/2014 to 12/31/2014	\$3,000

XI. REPORTING REQUIREMENTS:

Periodic work plan status update reports will be submitted no later than January 30, 2017; August 30, 2017; and January 30, 2018. A final report and associated products will be submitted August 30, 2018.

2014 PILOT
EVALUATION
FINDINGS*

Students said:

“I want to do this curriculum again and in more classes.”

“It was good to learn the Dakota point of view.”

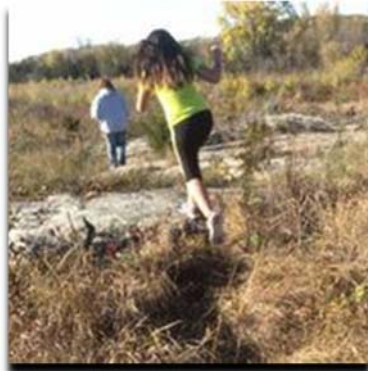
“I loved the stories about humans and animals.”

Teachers were more likely to:

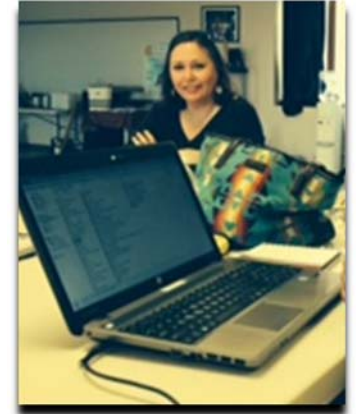
+ Teach with confidence to new State Standards.

+ Use storytelling and find it effective in increasing learner outcomes.

** Data from NIH-funded study by researchers from UM-Duluth and UM-Morris.*



Mni Sota Makoce:
**A Dakota Land Curriculum That Strengthens
1,250 Students’ Capacity to Be
Good Stewards of the Environment**



THE TOOL

A Successful Multi-Media Experiential
Dakota Land Curriculum



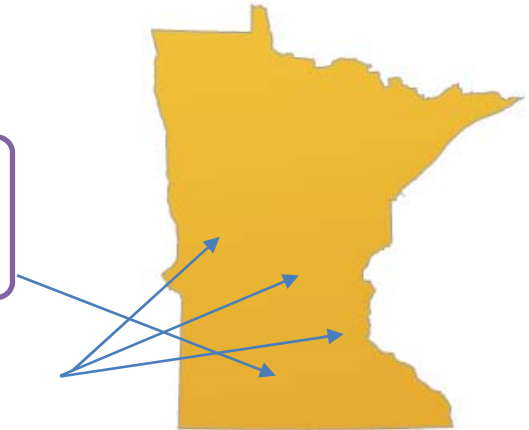
CORE CURRICULUM MESSAGE

The curriculum teaches students to care for the land like a relative.



LCCMR DISSEMINATION

1,250 Students Care More for the Land



Lead Organization: Dakota Wicohan, located in Morton, is a successful Native non-profit cultural resource center founded in 2002. Please visit us at www.dakotawicohan.com.

Statewide Partners: Minnesota Department of Education, Minnesota Historical Society, Minnesota Valley History Learning Center, Minnesota Humanities Center, St Cloud State University, and UM-Morris.

Environment and Natural Resources Trust Fund

M.L. 2016 Project Budget

Project Title: Standards-Based Dakota Indian Land Stewardship Education

Legal Citation: M.L. 2016, Chp. 186, Sec. 2, Subd. 05f

Project Manager: Darlene St. Clair

Organization: Dakota Wicohan

M.L. 2016 ENRTF Appropriation: \$ 197,000

Project Length and Completion Date: 2 years, August 2018

Date of Report: May 29, 2016



ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Activity 1 Budget	Amount Spent	Activity 1 Balance	Activity 2 Budget	Amount Spent	Activity 2 Balance	Activity 3 Budget	Amount Spent	Activity 3 Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM	Teach			Train			Evaluate				
Personnel (Wages and Benefits)	\$20,424	\$0	\$20,424	\$20,424	\$0	\$20,424	\$20,424	\$0	\$20,424	\$61,272	\$61,272
Eileen O'Keefe, Program Director, 0.15 FTE @ \$42,000 in Yr 1 and \$44,100 in Yr 2: Leadership & Finances; 12,915 (salary) + 2,970 (benefits)= \$15,885											
Doris Stands, Administrative Assist, 0.10 FTE @ \$35,000 in Yr 1 and \$36,750 in Yr 2: Communications; 7,175 + 1,650= \$8,825											
Nora Murphy/TBD, Assistant Director, 0.15 FTE @ \$50,000 in Yr 1 and \$52,500 in Yr 2: Reporting & Evaluation Coordination; 15,375 + 3,536= \$18,911											
Samantha Odegard, Curriculum Assistant/Graphics, 0.20 FTE @ \$35,000 in Yr 1 and \$36,750 in Yr 2: Curriculum Graphics & Web Management; 14,350 + 3,300 = \$17,650											
Professional/Technical/Service Contracts											
Project Coordinator: Darlene St. Clair, St. Cloud State, 20 hrs/month x 24 months x \$100/hr = \$48,000;	\$32,000	\$0	\$32,000	\$16,000	\$0	\$16,000				\$48,000	\$48,000
Educational Consultant: Barbara Cox, 8 hrs/mo x \$75 x 24 months = \$14,400;	\$6,200	\$0	\$6,200	\$6,200	\$0	\$6,200	\$2,000	\$0	\$2,000	\$14,400	\$14,400
Evaluation Consultant: Teresa Peterson, 5 hrs/month x 24 months x \$100/hr = \$12,000;							\$12,000	\$0	\$12,000	\$12,000	\$12,000
Evaluation Consultant, Heather Peters, UM-Morris, \$18,000;							\$18,000	\$0	\$18,000	\$18,000	\$18,000
Cost for Workshops with Educational Partners: Minnesota Valley History Learning Center, Minnesota Humanites Center, Minnesota Historical Society, and St. Cloud State to lead up to 4 trainings @ \$5,000/training for a total of \$20,000.				\$20,000	\$0	\$20,000				\$20,000	\$20,000
Online Graphic Design Consultant \$16,600 (will put to bid)	\$8,300	\$0	\$8,300	\$8,300	\$0	\$8,300				\$16,600	\$16,600
Equipment/Tools/Supplies											
Training workshop for hospitality & supplies x 5 workshops = \$2,155				\$2,155	\$0	\$2,155				\$2,155	\$2,155
Travel expenses in Minnesota											
Contractor travel for training development and training workshops = 250 miles round trip between Twin Cities and Morton, MN (Dakota Wicohan and Minnesota Valley History Learning Center) x 0.565/mile x 26 trips = \$3,673; and Hotel for training workshops = \$90/night x 2 contractors x 5 workshops \$900. Total travel = \$4,573.	\$3,500	\$0	\$3,500	\$1,073	\$0	\$1,073				\$4,573	\$4,573
COLUMN TOTAL	\$70,424	\$0		\$74,152	\$0	\$74,152	\$52,424	\$0	\$52,424	\$197,000	\$197,000

