



In the Matter of a Minnesota Power/Great River Energy, Application for Certification of a High Voltage Transmission Line and Substation Projects in the vicinity of the cities of Badoura (Crow Wing, Cass and Hubbard Counties) and Tower (St. Louis County)

**CONTENT OF THE ENVIRONMENTAL REPORT
COMMISSIONER DECISION**

PUC Docket No. E015/TL-05-867

The above matter has come before the Commissioner of the Department of Commerce (the Department) for a decision on the content of the Environmental Report (ER) to be prepared in consideration of the Application for Certification from MP/GRE on the proposed Badoura and Tower high voltage transmission line (HVTL) projects.

The Routing and Siting Unit of the Department held public meetings on December 7, 2005 and December 8, 2005, in the towns of Backus and Tower, respectively. The purpose of the meetings was to provide the public with information on the two projects and to solicit input into the content of the ER. The public was given until January 10, 2006, to submit written comments.

Having reviewed the matter, and having consulted with staff, I hereby make the following Order on the content of the ER:

MATTERS TO BE ADDRESSED

The ER will address the following matters for each of the proposed projects:

1.0 INTRODUCTION

- 1.1 Project Description
- 1.2 Project Location
- 1.3 Project Purpose
- 1.4 Sources of Information

2.0 REGULATORY FRAMEWORK

- 2.1 PUC Certification Requirement
- 2.2 Environmental Report Requirement

3.0 ALTERNATIVES TO THE PROJECT

- 3.1 No-build Alternative
- 3.2 Conservation Alternatives
- 3.3 Existing Line/System Improvements
- 3.4 Generation Alternatives
- 3.5 Alternative Corridor

4.0 ASSESSMENT OF IMPACTS AND MITIGATION

- 4.1 Description of Environmental Setting

- 4.2 Impacts on Human Settlement
 - 4.2.1 Socioeconomic
 - 4.2.2 Displacement
 - 4.2.3 Noise
 - 4.2.4 Aesthetics
 - 4.2.5 Radio and Television Interference
 - 4.2.6 Human Health and Safety
 - 4.2.6.1 Electric/Magnetic Fields
 - 4.2.6.1 Stray Voltage
 - 4.3 Impacts on Land-based Economics
 - 4.3.1 Recreation
 - 4.3.2 Prime Farmland
 - 4.3.3 Transportation
 - 4.3.4 Mining and Forestry
 - 4.3.5 Economic Development
 - 4.3.5 Archeological and Historic Resources
 - 4.4 Impacts on Natural Environment
 - 4.4.1 Air Quality
 - 4.4.2. Water Quality
 - 4.4.2.1 Surface and Groundwater
 - 4.4.2.2 Wetlands
 - 4.4.3 Soils and Geology
 - 4.4.4 Flora and Fauna
 - 4.5 Rare and Unique Natural Resources
- 5.0 PERMITS AND APPROVALS REQUIRED**

ISSUES OUTSIDE OF THE ENVIRONMENTAL REPORT

The ER will not consider the impacts or mitigative measures associated with specific alignments within the proposed corridors. Site specific concerns (i.e., along specific alignments) will be addressed in the subsequent HVTL Route Permitting process.

The ER will only identify the general potential impacts from the construction, operation, and maintenance of the proposed HVTL along the broad corridor(s), and the measures generally available to mitigate these potential impacts.

SCHEDULE

The ER shall be completed by March 1, 2006.

Signed this 17 day of Jan, 2006

STATE OF MINNESOTA
DEPARTMENT OF COMMERCE


Glenn Wilson, Commissioner



DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
ARMY CORPS OF ENGINEERS CENTRE
190 FIFTH STREET EAST
ST. PAUL MN 55101-1638

June 3, 2005

RECEIVED JUN - 6 2005

REPLY TO
ATTENTION

Operations Division
Regulatory Branch (MVP-2005-3045-WAB)

Ms. Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, MN 55330

Dear Ms. Schmidt:

We have received your letter dated 18 May 2005 requesting comments regarding the Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. In lieu of a specific response, please consider the following general information concerning our regulatory program that may apply to the proposed project.

If the proposal involves activity in navigable waters of the United States, it may be subject to the Corps of Engineers' jurisdiction under Section 10 of the Rivers and Harbors Act of 1899 (Section 10). Section 10 prohibits the construction, excavation, or deposition of materials in, over, or under navigable waters of the United States, or any work that would affect the course, location, condition, or capacity of those waters, unless the work has been authorized by a Department of the Army permit.

If the proposal involves deposition of dredged or fill material into waters of the United States, including discharges associated with mechanical land clearing, it may be subject to the Corps of Engineers' jurisdiction under Section 404 of the Clean Water Act (CWA Section 404). Waters of the United States include navigable waters, their tributaries, and adjacent wetlands (33 CFR § 328.3). CWA Section 301(a) prohibits discharges of dredged or fill material into waters of the United States, unless the work has been authorized by a Department of the Army permit under Section 404. Information about the Corps permitting process can be obtained online at <http://www.mvp.usace.army.mil/regulatory>.

The Corps' evaluation of a Section 10 and/or a Section 404 permit application involves multiple analyses, including (1) evaluating the proposal's impacts in accordance with the National Environmental Policy Act (NEPA) (33 CFR part 325), (2) determining whether the proposal is contrary to the public interest (33 CFR § 320.4), and (3) in the case of a Section 404 permit, determining whether the proposal complies with the Section 404(b)(1) Guidelines (Guidelines) (40 CFR part 230).

If the proposal requires a Section 404 permit application, the Guidelines specifically require that "no discharge of dredged or fill material shall be permitted if there is a practicable alternative to the proposed discharge which would have less adverse impact on the aquatic ecosystem, so long as the alternative does not have other significant adverse environmental consequences" (40 CFR § 230.10(a)). Time and money spent on the proposal prior to applying for a Section 404 permit cannot be factored into the Corps' decision whether there is a less damaging practicable alternative to the proposal.

If an application for a Corps permit has not yet been submitted, the project proposer may request a pre-application consultation meeting with the Corps to obtain information regarding the data, studies or other information that will be necessary for the permit evaluation process. A pre-application consultation meeting is strongly recommended if the proposal has substantial impacts to waters of the United States, or if it is a large or controversial project.

For further information or to request a pre-application consultation meeting, please contact Bill Baer at (218) 829-2711, project manager in the Brainerd Regulatory Field Office.

Sincerely,


for
Robert J. Whiting
Chief, Regulatory Branch



Minnesota Department of Natural Resources

Division of Lands & Minerals
2115 Birchmont Beach Road NE
Bemidji, MN 56601

RECEIVED JUN 20 2005

June 17, 2005

Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, MN 55330

Dear Ms. Schmidt:

Thank you for contacting the Minnesota Department of Natural Resources (DNR) on May 18, 2005 concerning the Badoura 115 kV Transmission Line Project being considered in Crow Wing, Cass and Hubbard Counties. Your letter indicated that Great River Energy & Minnesota Power will be seeking certification for this project and that you are currently gathering data to be used in preparation for several applications and approvals.

This is a reply to your inquiry about permits needed to cross state land. A "License for Utility to Cross State Land" is required for any state land administered by DNR anticipated to be crossed by this transmission line. A separate "License for Utility to Cross Public Waters" is required if public waters are crossed by this project. Cass and Hubbard Counties are located in the NW Region while Crow Wing is located in the NE Region. As this is one project, we would likely issue one land crossing license covering all the land crossings in both the NW & NE Regions. A separate water crossing license would probably be issued for all the water crossings related to the project. Both the land and water crossing licenses would be subject to Department review and approval. Utility licenses will be not issued until after environmental review is completed.

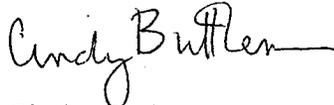
Future questions regarding land and water license applications can be directed to Joe Rokala at 218-999-7894 (for Crow Wing County) and/or Cindy Buttleman at 218-755-4067 (for Hubbard & Cass Counties). Prior to submitting your license applications, please contact either Joe or myself to review the license application process in more detail.

Please note that your letter has been forwarded to the Department's Environmental Review section in St. Paul. Future questions about environmental concerns related to your proposal can be directed to Matt Langan, DNR Environmental Review section, at 651-297-3359.



If I can be of further assistance, please contact me.

Sincerely,



Cindy Buttleman
Lands & Minerals Regional Supervisor

Cc: Alan Jones, Forestry – St. Paul
Joe Rokala, Land & Minerals – Grand Rapids
Mike Chapman, Forestry - Backus
Mark Carlstrom, Forestry – Park Rapids
Greg Kvale, Forestry - Brainerd
Matt Langan, Ecological Services – St. Paul



MINNESOTA HISTORICAL SOCIETY

State Historic Preservation Office

June 29, 2005

Ms. Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, MN 55330

Re: Badoura 115 kV Transmission Project
Cass, Crow Wing, Hubbard Counties
SHPO Number: 2005-2130

Dear Ms. Schmidt:

Thank you for your letter regarding the above referenced project.

Consideration of cultural resource issues will be important as the project planning for this effort moves forward. The project is a large one, including areas with varying potentials for archaeological properties. We would recommend that you retain a cultural resource consultant to develop an appropriate strategy for identification, evaluation, and treatment of historic properties.

We look forward to working with you as the planning process proceeds.

Sincerely,

 Dennis A. Gimmestad
Government Programs & Compliance Officer

Leech Lake Band of Ojibwe



George Gogleye, Chairman
Arthur "Archie" LaRose, Secretary/Treasurer

District I Representative
Burton "Luke" Wilson

District II Representative
Lyman L. Losh

District III Representative
Donald "Mick" Finn

September 12, 2005

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Great River Energy
Attn: Carole Schmidt
17845 E. Highway 10
P. O. Box 800
Elk River, MN 55330

RE: Proposed Badoura 115kV Transmission Project
Crow Wing, Cass, and Hubbard Counties, Minnesota
LLBO Land Claim Area
LL-THPO Number: 05-198-NCRI

Dear Ms. Schmidt:

Thank you for the opportunity to comment on the above-referenced project. It has been reviewed pursuant to the responsibilities given the Tribal Historic Preservation Officer by the National Historic Preservation Act of 1966, as amended in 1992 and the Procedures of the Advisory Council on Historic Preservation (38CFR800).

I have reviewed the documentation; after careful consideration of our records, I have determined that the Leech Lake Band of Ojibwe does not have any concerns regarding sites of religious or cultural importance in this area.

Should any human remains or suspected human remains be encountered, all work shall cease and the following personnel should be notified immediately in this order: County Sheriff's Office and Office of the State Archaeologist.

You may contact me at (218) 335-2940 if you have questions regarding our review of this project. Please refer to the LL-THPO Number as stated above in all correspondence with this project.

Respectfully submitted,

Handwritten signature of Gina M. Papisodora in cursive.
Gina M. Papisodora
Tribal Historic Preservation Officer

Leech Lake Tribal Historic Preservation Office * Established in 1996

6530 U.S. 2 NW * Cass Lake, Minnesota 56633

(218) 335-2940 * FAX (218) 335-2974

llthpo@hotmail.com

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If you have questions of the particular utilities, contact the individuals listed below.

Minnesota Power

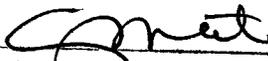
30 West Superior Street
Duluth, Minnesota 55802
Utility Contact: Eric Olson
Email Address: eolson@allete.com
Phone: 218-723-3947
www.mnpower.com

Great River Energy

17845 East Highway 10
P.O. Box 800
Elk River, Minnesota 55330-0800
Utility Contact: Kandace Olsen
Email Address: kolsen@grenergy.com
Phone: 763-241-2293
www.greatriverenergy.com

The Lac Vieux Desert Band of Lake Superior
Chippewa Indians have no interest in

Project #: Baldwin Ave


giiwegiizhigdokway Martin/THPO/NAGPRA

9/12/2005
Date

KEWEENAW BAY INDIAN COMMUNITY

2005 TRIBAL COUNCIL

SUSAN J. LAFERNIER, President
WARREN C. SWARTZ, JR., Vice-President
LARRY J. DENOMIE III, Secretary
GARY F. LOONSFOOT, SR., Asst. Secretary
JENNIFER MISEGAN, Treasurer

Keweenaw Bay Tribal Center
107 Beartown Road
Baraga, Michigan 49908
Phone (906) 353-6623
Fax (906) 353-7540

DOREEN G. BLAKER
FRED DAKOTA
WILLIAM E. EMERY
MICHAEL F. LAFERNIER, SR.
ELIZABETH D. MAYO
TONI J. MINTON
SHAWANUNG

September 6, 2005

Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, Minnesota 55330

Re: Badoura Tower 115kV Transmission Project

Dear Ms. Schmidt:

The Keweenaw Bay Indian Community (KBIC) received your requests for comments or interest on the above-mentioned projects. KBIC has no interests documented at this time in the proposed project areas. If the scope of work changes in any way or if artifacts or human remains are discovered, please notify KBIC immediately so we can assist in making an appropriate determination.

Please forward a copy of any request for future opportunities to review and comment to Summer Sky Cohen, Coordinator, Tribal Historic Preservation Office, at the address listed below. Please keep us informed of future projects as KBIC plans to increase our efforts to identify and document sites in the area.

Thank you for this opportunity to review and comment.

Respectfully,



Summer Sky Cohen, Officer
Tribal Historic Preservation Office
Keweenaw Bay Indian Community
107 Beartown Road
Baraga, Michigan 49908
906.353.6272
906.353.6869 fax

History/Architecture

PROPERTY NAME	ADDRESS	Twp	Range	Sec	Quarters	USGS	Report	NRHP	CEF	DOE	Inventory Number
COUNTY	Cass										
CITY/TOWNSHIP:	Backus										
John W. Bailey House	NE corner Washburn Ave. & Lakeside Ave.	139	30	30	SW-SE-SE	Backus					CA-BKC-001
Morris Patten House	SE corner Rosalind Ave. & Lakeside Ave.	139	30	31	NW-NE-NE	Backus					CA-BKC-002
Robert Steady House	xxx Lakeside Ave.	139	30	31	NE-NW-NE	Backus					CA-BKC-003
school	off Lakeside Dr.	139	30	30	NE-SW-SE	Backus					CA-BKC-004
CITY/TOWNSHIP:	Hackensack										
Hackensack Consolidated School	SE corner Lake Ave. & 3rd St.	140	30	19	SW-SE-NE	Hackensack					CA-HSC-001
Sacred Heart Catholic Church	xxx 1st St.	140	30	19	SW-NW-NE	Hackensack					CA-HSC-002
Village Building		140	30	19	W-W-NE	Hackensack					CA-HSC-003
CITY/TOWNSHIP:	Pine River										
house	Mill St. & Barclay Ave.	137	29	6	NE-NW-NW	Pine River					CA-PRC-001
park building	xxx 5th St.	138	29	31	SW-NW-SE	Pine River					CA-PRC-002
Marlow Theatre	Barclay Ave. & 2nd St.	138	29	31	SW-SE-SW	Pine River					CA-PRC-003
creamery	xxx Norway Ave.	138	29	31	SE-SE-SW	Pine River					CA-PRC-004
Johnson Lumber Company Shed	xxx Roosevelt Ave.	138	29	31	SE-SW-SE	Pine River					CA-PRC-005
Brainerd & Northern Minnesota Railroad Depot	xxx Front St.	137	29	6	NW-NW	Pine River	XX-2003-2H			Y	CA-PRC-006
Norway Lake Dam	Mn. Hwy. 84 at Norway Brook	138	29	31	NE-SE-SW	Pine River					CA-PRC-007
Bridge No. 6499	Mn. Hwy. 84 over Norway Brook	138	29	31	NE-SE-SW	Pine River					CA-PRC-008
Johnson Lumber Company Boxcar Shed	xxx Roosevelt Ave.	138	29	31	SE-SW-SE	Pine River					CA-PRC-009
house	southeast corner of Jefferson Ave. and First St.	138	29	31	SW-SW	Pine River	XX-2003-2H				CA-PRC-044

PROPERTY NAME	ADDRESS	Twp	Range	Sec	Quarters	USGS	Report	NRHP	CEF	DOE	Inventory Number
COUNTY Cass											
CITY/TOWNSHIP: Pine River											
White Farmstead	2747 23rd Ave. SW	137	29	6	SW-NW	Pine River	XX-2003-2H				CA-PRC-052
house	223 Evelyn Ave.	138	29	31	NW-NW		XX-2003-2H				CA-PRC-053
CITY/TOWNSHIP: Pine River Twp.											
Mildred School	off Mn. Hwy. 371	138	30	22	SE-NW-SW	Mildred					CA-PRT-001
CITY/TOWNSHIP: Wilson Twp.											
Bridge 1847	TR 118 over the south fork of the Pine River	137	29	7	NE-NW-NW	Pine River					CA-WLS-001
COUNTY Crow Wing											
CITY/TOWNSHIP: Jenkins											
commercial building	Lilac Ave. & Rose St.	137	29	27	SE-SE-SW	Jenkins					CW-JKC-001
school	Cottage St. & Pine Tree Ave.	137	29	34	SE-NE-NW	Jenkins					CW-JKC-002
church	2nd Ave. & 2nd St.	137	29	27	SW-SW-SE	Jenkins					CW-JKC-003
general store	Lilac Ave. & Rose St.	137	29	34	NE-NE-NW	Jenkins					CW-JKC-004
house	Second St., west side between Lilac Ave. and Second Ave.	137	29	27	SW-SE	Jenkins	XX-2003-2H				CW-JKC-011
house	33556 Summer Ave.	137	29	34	SE-NW		XX-2003-2H				CW-JKC-014
house	3030 Central St.	137	29	34	NE-NW	Jenkins	XX-2003-2H				CW-JKC-015
house	3173 Lilak St.	137	29	34	NE-NW						CW-JKC-016
CITY/TOWNSHIP: Jenkins Twp.											
farmstead	33371 CR 145	137	29	34	SE-SE	Jenkins	XX-2003-2H				CW-JKT-002

PROPERTY NAME	ADDRESS	Twp	Range	Sec	Quarters	USGS	Report	NRHP	CEF	DOE	Inventory Number
COUNTY Crow Wing CITY/TOWNSHIP: Jenkins Twp. farmstead	33188 Old Highway 371	137	29	35	SW-SW						CW-JKT-004
CITY/TOWNSHIP: Pequot Lakes creamery	xxx Sutler St.	136	29	15	NE-NW-NE	Nisswa					CW-PLC-001
bulk oil depot		136	29	15	NW-NE-NE	Nisswa					CW-PLC-002
service station	xxx Ortel St.	136	29	10	SE-SE-SE	Nisswa					CW-PLC-003
school	Co. Rd. 112 & Co. Hwy. 11	136	29	14	NW-NW-N	Nisswa					CW-PLC-004
H.H. Broach House (Shawano)	xxx Pequot Ave.	136	29	15	NE-SE-SW	Nisswa		Y			CW-PLC-005
Church of St. Alice	30957 Old Highway 371	136	29	15	NE-NE-NE	Nisswa					CW-PLC-006
A.L. Cole Memorial Building	4285 Tower Square	136	29	10	SW-SE	Nisswa	XX-2003-2H	Y			CW-PLC-007
CITY/TOWNSHIP: Sibley Twp. farmstead	33188 Old Highway 371	137	29	35	SW-SW	Jenkins	XX-2003-2H				CW-JKT-007
house	31407 Front St.	136	29	10	NW-SE	Nisswa	XX-2003-2H				CW-PLC-014
farmstead	4762 Main St.	136	29	11	SE-SW	Nisswa	XX-2003-2H				CW-SIB-010
Pequot Firetower	CR 11, north side east of Pequot Lakes	136	29	11	SW-SE		XX-2003-2H				CW-SIB-012
COUNTY Hubbard CITY/TOWNSHIP: Badoura Twp. Badoura Town Hall	SE corner Co. Rd. 110 & Co. Rd. 22	139	32	8	NW-NW-N	Nevis	HB-86-1H				HB-BAD-001
Badoura State Nursery	off Mn. Hwy. 64	139	32	16	E	Oshawa	HB-86-1H				HB-BAD-002

PROPERTY NAME	ADDRESS	Twp	Range	Sec	Quarters	USGS	Report	NRHP	CEF	DOE	Inventory Number
COUNTY Hubbard											
CITY/TOWNSHIP: Henrietta Twp.											
Dorset House	off Mn. Hwy. 226	140	34	10	SE-NE-SE	Dorset	HB-86-1H				HB-HEN-001
Hamilton's Island Park Lodge	off Co. Hwy. 107	140	34	29	SW-NW-NE	Park Rapids	HB-86-1H				HB-HEN-005
Island Park Lodge		140	34	29	SW-NW-NE	Park Rapids	HB-86-1H				HB-HEN-006
Pinehurst	off Long Lake Rd. W.	140	34	29	SW-SE-SE	Dorset	HB-86-1H				HB-HEN-007
CITY/TOWNSHIP: Nevis Twp.											
Camp Recreation	off Co. Hwy. 80	140	33	30	E-W-NW	Dorset	HB-86-1H				HB-NVT-001
CITY/TOWNSHIP: Park Rapids											
resort	U.S. Hwy. 71 & Main Ave.	140	35	23	SE-NE-NE	Park Rapids					HB-PRC-001
house	823 Main Ave. N.	140	35	23	SE-NE-NE	Park Rapids					HB-PRC-002
church	SE corner North St. & Lake Ave.	140	35	23	NW-NE-SE	Park Rapids					HB-PRC-003
Ellersick House	614 Main Ave. N.	140	35	23	NE-NE-SE	Park Rapids					HB-PRC-004
house	605 Main St. N.	140	35	23	NE-NE-SE	Park Rapids					HB-PRC-005
house	209 Lake St. N.	140	35	23	NW-SE-SE	Park Rapids					HB-PRC-006
Forestry Area Headquarters Office	xxx 1st St.	140	35	23	SW-SW-SE	Park Rapids					HB-PRC-007
Forestry Area Headquarters Office Oil House		140	35	23	SW-SW-SE	Park Rapids					HB-PRC-008
house	xxx Main St. N.	140	35	23	SE-SE-SE	Park Rapids					HB-PRC-009
house		140	35	23	SE-SE-SE	Park Rapids					HB-PRC-010
Riverside Methodist Church	SE corner Park Ave. N. & Beach Rd.	140	35	24	SW-SW-SW	Park Rapids					HB-PRC-011
Bridge No. 5120	Mn. Hwy. 34 over Fish Hook River	140	35	25	NW-NE-NW	Park Rapids					HB-PRC-012
Brearley House	NE corner Washington Ave. & 2nd St.	140	35	25	NW-NW-N	Park Rapids					HB-PRC-013
Doran Feed House & House	xxx 2nd St. E.	140	35	25	NE-NW-NW	Park Rapids					HB-PRC-014

PROPERTY NAME	ADDRESS	Twp	Range	Sec	Quarters	USGS	Report	NRHP	CEF	DOE	Inventory Number
COUNTY CITY/TOWNSHIP: Park Rapids	Hubbard										
Rima House	203 3rd St. E.	140	35	25	NW-NW-N	Park Rapids					HB-PRC-015
Park Rapids Grain Elevator	NW corner 3rd St. E. & Riverside Ave.	140	35	25	SE-NW-NW	Park Rapids					HB-PRC-016
Rice House	xxx Riverside Ave.	140	35	25	NE-NW-NW	Park Rapids					HB-PRC-017
Burlington Northern Depot	xxx 3rd St.	140	35	25	SE-NW-NW	Park Rapids					HB-PRC-018
Nary House	xxx Forest Ave.	140	35	25	SW-SE-NW	Park Rapids					HB-PRC-019
First Baptist Church	SW corner 1st St. W. & Park Ave.	140	35	26	NE-NE-NE	Park Rapids					HB-PRC-020
Park Rapids Carnegie Library	101 2nd St. W.	140	35	26	NE-NE-NE	Park Rapids			Y		HB-PRC-021
Park Rapids Post Office	301 Park Ave.	140	35	26	NE-NE-NE	Park Rapids			Y		HB-PRC-023
Cutler House	3xx Park Ave.	140	35	26	SE-NE-NE	Park Rapids					HB-PRC-024
commercial building	NE corner Main St. S. & 3rd St.	140	35	26	SE-NE-NE	Park Rapids					HB-PRC-025
Baehr Building	xxx Main St. S.	140	35	26	NE-NE-NE	Park Rapids					HB-PRC-026
Trinity Lutheran Church	NE corner 3rd St. W. & Court Ave. S.	140	35	26	NW-NE-NE	Park Rapids					HB-PRC-028
school	xxx 4th St. W.	140	35	26	SW-NE-NE	Park Rapids					HB-PRC-029
Park Rapids Water Tower	NE corner 2nd St. W. & Front Ave.	140	35	26	NE-NW-NE	Park Rapids					HB-PRC-030
school (moved)	1xx Fair Ave.	140	35	26	NE-NE-NW	Park Rapids					HB-PRC-031
village hall/fire station/library	2nd St. W. & Main St.	140	35	26	NE-NE-NE	Park Rapids					HB-PRC-032
Park Rapids Armory	SW corner Park Ave. & 2nd St.	140	35	26	NE-NE-NE	Park Rapids					HB-PRC-033
Park Rapids Jail	205 2nd St. W.	140	35	26	NE-NE-NE	Park Rapids		Y			HB-PRC-034
Hubbard County Courthouse	xxx Court St.	140	35	26	NW-NW-NE	Park Rapids		Y			HB-PRC-035
Park Rapids Hydro Plant	off Riverside Ave.	140	35	25	SW-NE-NW	Park Rapids					HB-PRC-036
CITY/TOWNSHIP: Todd Twp.											
Northern Pine Assembly Grounds	off Co. Hwy. 99	140	35	12	S-S-SW	Park Rapids					HB-TOD-001
White City Resort	off Co. Hwy. 116	140	35	14	SW-NE	Park Rapids					HB-TOD-002

PROPERTY NAME ADDRESS Twp Range Sec Quarters USGS Report NRHP CEF DOE Inventory Number

COUNTY Hubbard
CITY/TOWNSHIP: Todd Twp.

CITY/TOWNSHIP: White Oak Twp.

White Oak Baptist Church	NE corner Mn. Hwy. 64 & Co. Rd. 119	140	32	27	SW-SW-SW	Crystal Lake	HB-WOT-001
White Oak Town Hall	SE corner Mn. Hwy. 64 & Co. Rd. 119	140	32	34	NW-NW-N	Crystal Lake	HB-WOT-002
commercial building	NW corner Mn. Hwy. 64 & Co. Rd. 119	140	32	28	SE-SE-SE	Crystal Lake	HB-WOT-003

Archaeological Site Locations

Site Number	Site Name	Twp.	Range	Sec.	Quarter Sections	Acres	Phase	Site Description	Traditio	Context	Reports	NR	CEF	DOE
County: Cass														
21CA0022	Norway Lake	138	29	30	NE-NE	0	3	AS, EW	W-1	Ps-1	CA-81-02			
	Norway Lake	138	29	30	NE-NE	0	3	AS, EW	W-1	Ps-1	MULT-95-01			
21CA0060		140	31	1	SE-SE-NE	0.5	1, 7	CEM		P-2				
21CA0064	Old Backus	138	30	6	C-S-SE	140	1, 5	AS, CEM, HD	W-1	Oj-1, NL-1		Yes		
	Old Backus	139	30	31	N-NE	140	1, 5	AS, CEM, HD	W-1	Oj-1, NL-1		Yes		
21CA0161	Sanburn Lake	139	30	22	NE-NW-SE-SE	3	1	AS	W-1	Ps-1	TRW-87-01			
21CA0170	Bowen Lake	138	30	5	E-NE-NE-NE	2	1	AS	W-1	MW-1, LW-1	TRW-93-01			
	Bowen Lake	138	30	5	E-NE-NE-NE	2	1	AS	W-1	MW-1, LW-1	CA-93-03			
21CA0178	Bowen Lake Mounds	139	30	32	NE-SE-NE	1	1	EW	W-1					
21CA0214	Barclay Trading Post	137	29	6	C-S-SW	1	1, 7	HD, AS, SR		IC-2				
21CA0218	Shady Point	138	29	30	C-S-SW	5	2	AS	W-1,	HR-2, Ps-1, Bd-1, Br-2,	CA-81-02			
	Shady Point	138	29	30	C-S-SW	5	2	AS	W-1,	HR-2, Ps-1, Bd-1, Br-2,	CA-81-01			
21CA0219	Arboleda	138	29	30	S-SE-SW	4	1	AS	W-1	Ps-1	CA-81-02			
	Arboleda	138	29	30	S-SE-SW	4	1	AS	W-1	Ps-1	CA-81-01			
21CA0220	Brill	138	29	30	SW-SE-SE	3	1	AS	W-1		CA-81-02			
21CA0221	Sky Harbor	138	29	30	NE-SE-SE	3	1	AS	W-1		CA-81-02			
21CA0647	Saw Blade	137	29	8	NW-NW-NW	0.5	1	AS						
21CAaay		138	30	24	NE-SE	0	7	CEM						

Site Number	Site Name	Twp.	Range	Sec.	Quarter Sections	Acres	Phase	Site Description	Traditio	Context	Reports	NR	CEF	DOE
County: Cass														
21CAbb		139	30	7	SW	0	7	CEM						
21CAbc		139	30	33	NW-NW	0	7	CEM						
21CAbu		138	29	30	C-E-NE-NE	0	1	AS			CA-81-02			
21CAbv		138	29	31	C-W-W-NW, C-E-E-NE	0	1	AS			CA-81-02			
21CAbw		138	29	30	C-SW-NW	0	7	AS			CA-81-02			
21CAbx		138	30	25	C-SE-SE	0	1	AS			CA-81-02			
County: Crow Wing														
21CW0007	Upper Hay Lake Mounds/Fort Poulak (same as 21CW14)	137	29	35	SW-NW-NW,S-NW, N-NE-SW,W-SW-N E,W-NW-NW-SE	150	3,1	EW, CEM, AS	W-1	Bd-1, SO-1	CW-93-02	Yes		
	Upper Hay Lake Mounds/Fort Poulak (same as 21CW14)	137	29	35	SW-NW-NW,S-NW, N-NE-SW,W-SW-N E,W-NW-NW-SE	150	3,1	EW, CEM, AS	W-1	Bd-1, SO-1	CW-95-05	Yes		
	Upper Hay Lake Mounds/Fort Poulak (same as 21CW14)	137	29	35	SW-NW-NW,S-NW, N-NE-SW,W-SW-N E,W-NW-NW-SE	150	3,1	EW, CEM, AS	W-1	Bd-1, SO-1	CW-96-01	Yes		
	Upper Hay Lake Mounds/Fort Poulak (same as 21CW14)	137	29	35	SW-NW-NW,S-NW, N-NE-SW,W-SW-N E,W-NW-NW-SE	150	3,1	EW, CEM, AS	W-1	Bd-1, SO-1	CW-97-05	Yes		
	Upper Hay Lake Mounds/Fort Poulak (same as 21CW14)	137	29	35	SW-NW-NW,S-NW, N-NE-SW,W-SW-N E,W-NW-NW-SE	150	3,1	EW, CEM, AS	W-1	Bd-1, SO-1	MULT-73-03	Yes		
21CW0014	Upper Hay Lake Mounds/Fort Poulak (same as 21CW7)	137	29	35	S-NW, N-NE-SW, NW-NW-SE, SW-NW-NE	150	3	EW, CEM, AS	W-1	Bd-1, SO-1	CW-96-01	Yes		
	Upper Hay Lake Mounds/Fort Poulak (same as 21CW7)	137	29	35	S-NW, N-NE-SW, NW-NW-SE, SW-NW-NE	150	3	EW, CEM, AS	W-1	Bd-1, SO-1	MULT-72-01	Yes		

Site Number	Site Name	Twp.	Range	Sec.	Quarter Sections	Acres	Phase	Site Description	Traditio	Context	Reports	NR	CEF	DOE
County: Crow Wing														
21CW0014	Upper Hay Lake Mounds/Fort Poulak (same as 21CW7)	137	29	35	S-NW, N-NE-SW, NW-NW-SE, SW-NW-NE	150	3	EW, CEM, AS	W-1	Bd-1, SO-1	CW-95-05		Yes	
21CW0128	Hay Lake Lodge	137	29	36	NW-SW-SW	1	1	LS			CW-93-02			
21CW0129	Machintosh	137	29	36	SE-NW-SW	1	1	LS			CW-93-02			
21CW0130	Conner	137	29	36	SE-NW-SW	0.5	1	LS			CW-93-02			
21CW0131	Wedin	137	29	36	NE-NE-SW	1	1	LS			CW-93-02			
21CW0132	Nicholas	137	29	36	NE-NE-SW	1	1	LS			CW-93-02			
21CW0241	Hay Creek Island	137	29	36	NW-SE-NE-NE	0.5	1	LS			CW-93-02		Yes	
21CW0242	Hay Creek Ridge	137	29	36	NW-NW-SE-NE	0.5	1	LS					Yes	
21CW0243	Hay Lake Trail	137	29	36	SE-NW-SW-NE	0.5	1	LS	A-2	AP-2			Yes	
21CWq	Whitefish Lake Outlet Mounds	137	29	14	N	0	1	EW	W-1					
County: Hubbard														
21HB0001		139	32	17	SW-SE-NW, NE-SE-SW-NW	0		CEM, AS	W-1,					
21HB0002		139	32	4	W-SE-SE, NE-NE-SW-SE	5		LS						
21HB0004	Dickson Mounds	140	35	14	N-SE-SW, SW-NW-SW-SE	45	1	EW	W-1		HB-96-08			
21HB0017	Nagel Lake	139	32	8	N-NW-NE	0		LS						
	Nagel Lake	139	32	8	S-NW-NE,S-NE,N- NW-SE	0		LS						
21HB0020	Fifth Crow Wing Lake	140	33	29	NW-NW-SW-SW	8	1	EW, AS	W-1		MCH-83-01			
	Fifth Crow Wing Lake	140	33	29	NW-NW-SW-SW	8	1	EW, AS	W-1		MCH-82-01			
	Fifth Crow Wing Lake	140	33	30	NE-SE-SE	8	1	EW, AS	W-1		MCH-83-01			
	Fifth Crow Wing Lake	140	33	30	NE-SE-SE	8	1	EW, AS	W-1		MCH-82-01			

Site Number Site Name
County: Hubbard

Twp.	Range	Sec.	Quarter Sections	Acres	Phase	Site Description	Traditio	Context	Reports	NR	CEF	DOE
140	35	13	SW-NE-SE-SE	1	1	LS			HB-89-02			
140	35	25	SW-SE-SW	0.5	8	LS			HB-01-99			
140	35	36	NW-NE-NW	0.5	8	LS			HB-01-99			
140	35	25	SE-SW-SW	0.5	2	LS			HB-01-99			
140	35	36	NE-NW-NW	0.5	2	LS			HB-01-99			
139	32	3	SW-NW-SW	0.3	1	AS,SR		TR-1	HB-02-01			
139	32	17	C-NE-SW	11		AS						
139	33	4	NE-SW	0		AS						



18 May 2005

Mr. Dennis Gimmestad
Minnesota State Historic Preservation Office
345 Kellogg Boulevard West
St. Paul, MN 55102-1906

RE: Badoura 115 kV Transmission Project

Dear Mr. Gimmestad:

Minnesota Power (MP) and Great River Energy (GRE) are currently gathering data to be used in preparation of several regulatory applications necessary to obtain approvals and permits for the construction of the proposed Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. The project is needed to meet the growing electrical needs of the area. MP and GRE intend to seek certification of the proposed project under the Minnesota Public Utilities Commission's (Commission) biennial transmission planning process outlined in Minnesota Rules, Chapter 7848.

The proposed project would connect the Pequot Lakes Substation located north of Pequot Lakes, the Pine River Substation located southwest of Pine River, the Badoura Substation, the Long Lake Substation located east of Park Rapids, and the Birch Lake Substation located east of Hackensack (see attached map). At this point Minnesota Power and Great River Energy have not identified a route for the project, but are evaluating transmission alternatives within identified study corridors. Potentially affected sections within the proposed study corridors are provided in the attached table.

MP and GRE request your review of this project to identify potential impacts to cultural and archaeological resources from the project and any permits that the project might require. At this point it is unknown whether the project will require federal permits or use federal funding. Your input on the project will assist MP, GRE, our environmental consultant (HDR) and the Commission in their review of the project.

Mr. Dennis Gimmestad
18 May 2005
Page 2

We would appreciate a response to this request by Friday, June 17, 2005.
Written responses may be directed to:

Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, Minnesota 55330

We will be seeking ongoing feedback from you and your agency as this project proceeds through review and permitting. If you require further information or have questions regarding this matter, please feel free to call us at the numbers provided below. Thank you for your attention to this important project.

Sincerely,

GREAT RIVER ENERGY

MINNESOTA POWER



Carole L. Schmidt
Environmental Scientist
763-241-2272

Robert E. Lindholm
Manager, Environmental Services
218-722-5642, ext. 3342

Attachments:
Project Location Map
Potentially Affected Sections Table

cc: Suzanne Steinhauer, HDR
Larry Bubacz – Minnesota Power
Blake Francis – Minnesota Power

Sections Potentially Affected by Badoura Transmission Project

County	Township Name	Township	Range	Sections
Crow Wing	Pelican	136N	28W	5-8, 18,19
Crow Wing	Jenkins	136N	29W	1-3, 10-15, 22-27
Crow Wing	Ideal	137N	28W	30-32
Cass	Loon Lake	136N	29W	4, 5, 8, 9, 16, 17, 20, 21
Cass	Wilson	137N	29W	3-10, 14-23, 25-29, 32-36
Cass	Walden	137N	30W	1-3, 11, 12
Cass	Barclay	138N	29W	19, 29-33
Cass	Pine River	138N	30W	3-10, 13-29, 33-36
Cass	Bull Moose	138N	31W	1-17, 21-24
Cass	McKinley	138N	32W	1
Cass	Powers	139N	30W	3-10, 15-22, 27-34
Cass	Deerfield	139N	31W	1-20, 24, 28-34, 36
Cass	Birch Lake	140N	30W	4-10, 15-23, 26-34
Cass	Hiram	140N	31W	1, 11-14, 22-26, 31-36
Hubbard	Badoura	139N	32W	1-17, 21-27, 35-36
Hubbard	Crow Wing Lake	139N	33W	1-6
Hubbard	Hubbard	139N	34W	1, 3-8
Hubbard	Straight River	139N	35W	1, 2, 12
Hubbard	White Oak	140N	32W	19, 26-36
Hubbard	Nevis	140N	33W	18-36
Hubbard	Henrietta	140N	34W	7-10, 13-36
Hubbard	Todd	140N	35W	11-14, 22-27, 35-36



18 May 2005

Mr. Dan Stinnett
MN Threatened and Endangered Species Review
U.S. Fish and Wildlife Service
4101 East 80th Street
Bloomington, MN 55425-1665

RE: Badoura 115 kV Transmission Project

Dear Mr. Stinnett:

Minnesota Power (MP) and Great River Energy (GRE) are currently gathering data to be used in preparation of several regulatory applications necessary to obtain approvals and permits for the construction of the proposed Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. The project is needed to meet the growing electrical needs of the area. MP and GRE intend to seek certification of the proposed project under the Minnesota Public Utilities Commission's (Commission) biennial transmission planning process outlined in Minnesota Rules, Chapter 7848.

The proposed project would connect the Pequot Lakes Substation located north of Pequot Lakes, the Pine River Substation located southwest of Pine River, the Badoura Substation, the Long Lake Substation located east of Park Rapids, and the Birch Lake Substation located east of Hackensack (see attached map). At this point Minnesota Power and Great River Energy have not identified a route for the project, but are evaluating transmission alternatives within identified study corridors. Potentially affected sections within the proposed study corridors are provided in the attached table.

MP and GRE request that the U.S. Fish and Wildlife Service comment on potential effects to known federally-listed threatened or endangered species in accordance with Section 7 of the Endangered Species Act of 1973, as amended, for the proposed 115 kV transmission project. Your input on the project will assist MP, GRE, our environmental consultant (HDR) and the Commission in

Mr. Dan Stinnett
18 May 2005
Page 2

their review of the project. We would appreciate a response to this request by Friday, June 17, 2005. Written responses may be directed to:

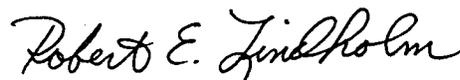
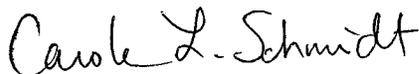
Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, Minnesota 55330

We will be seeking ongoing feedback from you and your agency as this project proceeds through review and permitting. If you require further information or have questions regarding this matter, please feel free to call us at the numbers provided below. Thank you for your attention to this important project.

Sincerely,

GREAT RIVER ENERGY

MINNESOTA POWER



Carole L. Schmidt
Environmental Scientist
763-241-2272

Robert E. Lindholm
Manager, Environmental Services
218-722-5642, ext. 3342

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Hubbard	Henrietta	140N	34W	7-10, 13-36
Hubbard	Todd	140N	35W	11-14, 22-27, 35-36



18 May 2005

Mr. Robert Whiting, Branch Chief
St. Paul District
190 Fifth Street East
St. Paul, MN 55101-1638

RE: Badoura 115 kV Transmission Project

Dear Mr. Whiting:

Minnesota Power (MP) and Great River Energy (GRE) are currently gathering data to be used in preparation of several regulatory applications necessary to obtain approvals and permits for the construction of the proposed Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. The project is needed to meet the growing electrical needs of the area. MP and GRE intend to seek certification of the proposed project under the Minnesota Public Utilities Commission's (Commission) biennial transmission planning process outlined in Minnesota Rules, Chapter 7848.

The proposed project would connect the Pequot Lakes Substation located north of Pequot Lakes, the Pine River Substation located southwest of Pine River, the Badoura Substation, the Long Lake Substation located east of Park Rapids, and the Birch Lake Substation located east of Hackensack (see attached map). At this point Minnesota Power and Great River Energy have not identified a route for the project, but are evaluating transmission alternatives within identified study corridors. Potentially affected sections within the proposed study corridors are provided in the attached table.

MP and GRE request that the Corps comment on the possible effects of the proposed project on floodplains, wetlands, and other important natural resources that occur in the proposed study area. This request is made pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act. Your input on the project will assist MP, GRE, our environmental consultant (HDR) and the Commission in their review of the project.

Mr. Robert Whiting
18 May 2005
Page 2

We would appreciate a response to this request by Friday, June 17, 2005.
Written responses may be directed to:

Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, Minnesota 55330

We will be seeking ongoing feedback from you and your agency as this project proceeds through review and permitting. If you require further information or have questions regarding this matter, please feel free to call us at the numbers provided below. Thank you for your attention to this important project.

Sincerely,

GREAT RIVER ENERGY

MINNESOTA POWER



Carole L. Schmidt
Environmental Scientist
763-241-2272

Robert E. Lindholm
Manager, Environmental Services
218-722-5642, ext. 3342

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Hubbard	Todd	140N	35W	11-14, 22-27, 35-36



18 May 2005

Ms. Sarah Hoffmann
Minnesota Department of Natural Resources
Natural Heritage and Nongame Research Program
500 Lafayette Road, Box 25
St. Paul, MN 55155

RE: Badoura 115 kV Transmission Project

Dear Ms. Hoffmann:

Minnesota Power (MP) and Great River Energy (GRE) are currently gathering data to be used in preparation of several regulatory applications necessary to obtain approvals and permits for the construction of the proposed Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. The project is needed to meet the growing electrical needs of the area. MP and GRE intend to seek certification of the proposed project under the Minnesota Public Utilities Commission's (Commission) biennial transmission planning process outlined in Minnesota Rules, Chapter 7848.

The proposed project would connect the Pequot Lakes Substation located north of Pequot Lakes, the Pine River Substation located southwest of Pine River, the Badoura Substation, the Long Lake Substation located east of Park Rapids, and the Birch Lake Substation located east of Hackensack (see attached map). At this point Minnesota Power and Great River Energy have not identified a route for the project, but are evaluating transmission alternatives within identified study corridors. Potentially affected sections within the proposed study corridors are provided in the attached table.

MP and GRE would like the Minnesota DNR to comment on potential effects of the proposed 115 kV transmission project and to identify federally- and state-listed threatened or endangered species and rare natural features. A copy of the Minnesota Natural Heritage Information System Data Request Form is enclosed to facilitate your review. Your input on the project will assist MP, GRE, our environmental consultant (HDR) and the Commission in their review of the project.

Ms. Sarah Hoffmann
18 May 2005
Page 2

We would appreciate a response to this request by Friday, June 17, 2005.
Written responses may be directed to:

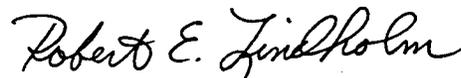
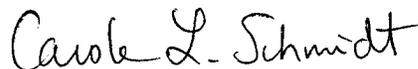
Carole Schmidt
Great River Energy
17845 E. Highway 10
PO Box 800
Elk River, Minnesota 55330

We will be seeking ongoing feedback from you and your agency as this project proceeds through review and permitting. If you require further information or have questions regarding this matter, please feel free to call us at the numbers provided below. Thank you for your attention to this important project.

Sincerely,

GREAT RIVER ENERGY

MINNESOTA POWER



Carole L. Schmidt
Environmental Scientist
763-241-2272

Robert E. Lindholm
Manager, Environmental Services
218-722-5642, ext. 3342

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Larry Bubacz – Minnesota Power
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h:\cschmidt\Badoura\BadDNRhertr

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Hubbard	Henrietta	140N	34W	7-10, 13-36
Hubbard	Todd	140N	35W	11-14, 22-27, 35-36



GREAT RIVER
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minnesota power

AN ALLETE COMPANY 

18 May 2005

Mr. Alan Jones
Minnesota Department of Natural Resources
State Forest Management
500 Lafayette Road
St. Paul, MN 55155-4044

RE: Badoura 115 kV Transmission Project

Dear Mr. Jones:

Minnesota Power (MP) and Great River Energy (GRE) are currently gathering data to be used in preparation of several regulatory applications necessary to obtain approvals and permits for the construction of the proposed Badoura 115 kV Transmission Project in Crow Wing, Cass and Hubbard counties. The project is needed to meet the growing electrical needs of the area. MP and GRE intend to seek certification of the proposed project under the Minnesota Public Utilities Commission's (Commission) biennial transmission planning process outlined in Minnesota Rules, Chapter 7848.

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MP and GRE request that the Minnesota DNR provide information on any permits that the proposed 115 kV transmission project would require to cross a state forest and also identify potential impacts from the project that the DNR would consider when reviewing the proposed project. Your input on the project will assist MP, GRE, our environmental consultant (HDR) and the Commission in their review of the project.

Mr. Alan Jones
18 May 2005
Page 2

We would appreciate a response to this request by Friday, June 17, 2005.
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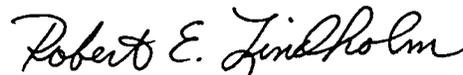
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Robert E. Lindholm
Manager, Environmental Services
218-722-5642, ext. 3342

Attachments:
Project Location Map
Potentially Affected Sections Table

cc: Suzanne Steinhauer, HDR Engineering
Larry Bubacz – Minnesota Power
Blake Francis – Minnesota Power

Sections Potentially Affected by Badoura Transmission Project

County	Township Name	Township	Range	Sections
Crow Wing	Pelican	136N	28W	5-8, 18,19
Crow Wing	Jenkins	136N	29W	1-3, 10-15, 22-27
Crow Wing	Ideal	137N	28W	30-32
Cass	Loon Lake	136N	29W	4, 5, 8, 9, 16, 17, 20, 21
Cass	Wilson	137N	29W	3-10, 14-23, 25-29, 32-36
Cass	Walden	137N	30W	1-3, 11, 12
Cass	Barclay	138N	29W	19, 29-33
Cass	Pine River	138N	30W	3-10, 13-29, 33-36
Cass	Bull Moose	138N	31W	1-17, 21-24
Cass	McKinley	138N	32W	1
Cass	Powers	139N	30W	3-10, 15-22, 27-34
Cass	Deerfield	139N	31W	1-20, 24, 28-34, 36
Cass	Birch Lake	140N	30W	4-10, 15-23, 26-34
Cass	Hiram	140N	31W	1, 11-14, 22-26, 31-36
Hubbard	Badoura	139N	32W	1-17, 21-27, 35-36
Hubbard	Crow Wing Lake	139N	33W	1-6
Hubbard	Hubbard	139N	34W	1, 3-8
Hubbard	Straight River	139N	35W	1, 2, 12
Hubbard	White Oak	140N	32W	19, 26-36
Hubbard	Nevis	140N	33W	18-36
Hubbard	Henrietta	140N	34W	7-10, 13-36
Hubbard	Todd	140N	35W	11-14, 22-27, 35-36