



**North Dakota Parks and Recreation Department
Recreation Division – 701-328-5357 – parkrec@nd.gov**

Recreational Trails Program(RTP) Grant Application

Recreational Trail Program (RTP) grants are available to the State of North Dakota, political subdivisions, and nonprofit organizations in order to assist in the development, maintenance, or rehabilitation of recreational trails. The RTP is an assistance program of the U.S. Department of Transportation's Federal Highway Administration (FHWA). The program is administered by the Recreation Division of the North Dakota Parks and Recreation Department (NDPRD).

Project proposals must be approved at the state and federal levels. A Recreational Trails Program Advisory Committee (RTPAC) made up of private, state, and federal individuals evaluates and ranks the projects. Projects selected at the state level are submitted to the FHWA for final review and approval.

RTP grants reimburse up to 80 percent of the cost for development, maintenance, or rehabilitation of recreational trails. Engineering fees exceeding more than 20% of total project cost are not eligible for reimbursement. Project sponsors cannot be reimbursed for funds that are incurred before an application is approved and a local grant agreement is signed.

The application cycle is open from December 1, 2014 to January 30, 2015 at 1:00 P.M. CST.

Date:

CONTACT INFORMATION

Project Sponsor:

(Must be political subdivision)

Project Name:

Primary Contact

Name:	<input type="text" value="Mike Duerre"/>
Title:	<input type="text" value="Recreation Area Manager"/>
Address:	<input type="text" value="101 5th Street"/>
City, State, Zip:	<input type="text" value="Walhalla, ND 58282"/>
E-Mail:	<input type="text" value="mduerre@nd.gov"/>
Phone:	<input type="text" value="(701) 549-2444"/>
County:	<input type="text" value="Pembina"/>

Alternate Contact

Name:	<input type="text" value="Ben Potts"/>
Title:	<input type="text" value="PGSRA Ranger"/>
Address:	<input type="text" value="101 5th Street"/>
City, State, Zip:	<input type="text" value="Walhalla, ND 58282"/>
E-Mail:	<input type="text" value="bpotts@nd.gov"/>
Phone:	<input type="text" value="701-549-2444"/>
County:	<input type="text" value="Pembina"/>

REIMBURSEMENT CONTACT INFORMATION

Name and address for where reimbursement payments should be sent to.
If same as Primary/Alternate Contact, please state "Same as Primary or Alternate Contact"

If not, please fill out below.

Reimbursement Contact

Name:

Title:

Address:

City, State, Zip:

E-Mail:

Phone:

County:

Estimated Start Date: Estimated Completion Date:
(Grant recipients have 18 months to complete projects)

*All RTP projects must meet accessibility guidelines in compliance with the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973 and the Architectural Barriers Act. For more information refer to the U.S. Access Board at www.access-board.gov. Look for the Reg Neg Committee 1999 Report: Accessibility Guidelines for Outdoor Developed Areas.

Does the proposed project meet requirements of the American with Disabilities Act and Architectural Barriers Act?

Briefly Explain.

PROJECT LOCATION

Property Name:

Physical Address:

County:

Legal Description:

Township: Range: Section:

Latitude (in decimal degrees): example: 46.785690

Longitude (in decimal degrees): example: -100.622172

Please use **Google Maps** to find your latitude and longitude.

PROJECT INFORMATION

1. Based on the State Comprehensive Outdoor Recreation Plan (SCORP), please identify the following:

["http://www.parkrec.nd.gov/information/department/attachments/scorp-2013-2017.pdf"](http://www.parkrec.nd.gov/information/department/attachments/scorp-2013-2017.pdf)

Region

Primary: Secondary: Tertiary:

2. Is the scope of the project:

- Construction of New Recreation Trails *Number of miles
- Restoration of Existing Trails *Number of miles
- Trail Extension *Number of miles
- Purchase and Lease of Recreational Trail Construction and Maintenance Equipment
- Development and Rehabilitation Trailhead Facilities and Trail Linkages
- Land Acquisition/Easements
- Trail Accessibility Assessment

*Based on the above checked box, the total mileage of your trail is now:

3. Check all uses the project impacts:

- Walking/Hiking
- Cross-Country Skiing
- ATV Riding
- Bicycling
- In-Line Skating
- Off-Road Motorcycling
- Horseback Riding
- Snowmobiling
- Other

4. Classification of Land:

Who holds the title to the project land?

- State
- Federal
- Local
- Private

5. Does any of the project fall within a federal highway right-of-way? Yes No

["http://www.parkrec.nd.gov/recreation/grants/rtp/rtpprojectselection.html"](http://www.parkrec.nd.gov/recreation/grants/rtp/rtpprojectselection.html), click on North Dakota National Highway System Map.

6. Does your project take place within the jurisdiction of one of the three Metropolitan Planning Organizations (MPO): Bismarck-Mandan, Fargo, or Grand Forks? If yes, which one?

- Bismarck-Mandan
- Fargo
- Grand Forks
- No, this project is not within an MPO

Has your project received approval from the MPO? Yes No

BUDGET INFORMATION

Total project cost: \$40,000.00

Total grant amount requested: \$32,000.00

Would partial funding affect the completion of the grant? Yes No

If yes, briefly explain.

If the project is only partially funded, we will not have the funds to be able to complete everything necessary.

BUDGET INFORMATION WORKSHEET

Total Project Cost	\$40,000.00	
Total Grant Amount Requested	\$32,000.00	
Cost Category	Amount	
Land, structures, rights-of-ways, etc.	\$0.00	
Relocation expenses and payments	\$0.00	
Architectural and engineering fees	\$0.00	
Demolition and removal	\$0.00	
Construction	\$20,000.00	
Equipment	\$0.00	
Materials	\$20,000.00	
Miscellaneous	\$0.00	
TOTAL	\$40,000.00	
Matching Funds		
Source	Amount	Description
Cash Match	\$8,000.00	
Documentation of Donated Equipment Value, SFN 59169		
Documentation of Donated Labor, SFN 59170		
Documentation of Force Account Labor, SFN 59171		
Documentation of Donated Material, SFN 59172		
TOTAL MATCHING FUNDS	\$8,000.00	

Requirement:

Each application must address each of the following requirements in the order they appear below:

1. A project description sufficient to understand the project. Indicate prominently whether this is primarily construction of new recreation trails; restoration of existing trails; development and rehabilitation of trailside and trailhead facilities and trail linkages; purchase and lease of recreational trail construction and maintenance equipment; land acquisition/ easements; or trail accessibility assessment. Please explain if the application is for one or more phases of a multi-phase project.

This project is primarily development and construction of trailside and trailhead facilities. The proposed trail will lead users from the trailhead to the proposed overlook. The site provides users a fantastic view of the Little North Pembina Gorge and the confluence of the main Pembina Gorge. The proposed overlook, when completed, will provide interpretive panels describing the history and life within the Gorge.

Interpretive opportunities are also available at the start of each trail in our system. We have included informational panels as part of this project to continue the story, which starts at the trail head of the Pembina Gorge for visitors as they explore our trail system. Education and understanding of the history and uniqueness of an area such as this helps people feel connected to the area and thereby increases their willingness to protect the resource for years to come. This project will encompass the design, printing and installation of the informational panels along the trail system.

2. Clearly defined goals for the project (with a delineation of which user groups would benefit from the project).

The goals for this project:

1. Build an overlook
 - a. Build four stone pillars with one log in between each pillar acting as a barrier.
 - b. Install three interpretive panels.
 - c. Install timber seating (benches).
2. Build a non-motorized trail from the trailhead to the overlook.
 - a. Lay down landscaping boulders.
 - b. Plant shrubs.
 - c. Install wooden fence at the beginning of the trail near existing trailhead.
3. Install 6 interpretive panels at the beginning of all 6 multi-use trails.

Providing trail access to the overlook will give all users a chance to view the gorge at the projected site.

3. Costs associated with the project (with estimates of the following components: material/service purchases including hardware, paint, lumber, sand/gravel concrete, landscape materials, signs, design/engineering services, contractor services, equipment rates, equipment costs, and land lease payments). Please reference budget information worksheet, as necessary.

- | | |
|--|---|
| <p>1. Materials - \$20,000</p> <ul style="list-style-type: none">A. 10 educational Panels - \$12,000 total.<ul style="list-style-type: none">a. Panel stands - \$500 per.b. 2 legged aluminum sides - \$900 per.c. Powder and painted - \$200 per.B. Trail Material - \$1000 total.<ul style="list-style-type: none">a. Trail - 19 cf.b. Overlook 7 cf.C. Fencing - \$160 total.<ul style="list-style-type: none">a. Four end posts X \$9.97 = \$39.88b. Ten split rails X \$8.97 = \$89.70c. Three line posts X \$8.97 = \$29.91D. Boulders - \$1,250 total.<ul style="list-style-type: none">a. Twenty five boulders X \$50 = \$1,250.E. Logs - \$500<ul style="list-style-type: none">a. Three 16 ft logs X \$10 per ft. = \$480.F. Pillars - \$4,800 | <p>2. Equipment rates / contractor services / manual labor - \$20,000</p> <ul style="list-style-type: none">A. Sod Clearing - \$3500B. Design and Construction of Trail - \$4000C. Fence Installation - \$1000D. Boulder Placement - Hauling and Placement - \$4000E. Log Work - \$2500F. Stone Pillar Construction - \$5000 |
|--|---|

4. Evidence of local/area support (council resolutions, minutes of public meetings, letters of support, etc.). Evidence of MPO support must be included if applicable.

The Pembina Gorge State Recreation Area recently developed a master plan document which included fairly extensive public input and surveying. The results of this process show that people want more trails, views, and camping. Areas like this overlook rank in the top third of the priority list derived from the survey analysis. For documentation of public support refer to the the "Pembina Gorge State Recreation Area Master Plan, December 2014."

http://www.parkrec.nd.gov/information/department/attachments/pembina_gorge_master_plan.pdf

5. Availability/access to 20% match for eligible elements of the project proposal. Matching funds must not be from other federal sources such as Transportation Enhancement (TE) or Transportation Alternatives Program (TAP) through the Department of Transportation. A resolution from the sponsor of the project regarding the availability of funds will be required prior to any award of a grant.

The matching funds will be provided by the General Fund of the State of North Dakota.

6. Evidence of applicant capability to carry out project. For development projects, applicant capability to operate, maintain, and protect trail and facilities when completed).

This project has been developed by members of the North Dakota Parks and Recreation Dept. and the Great Outdoor Consultants. The NDPRD has many years of developing and overseeing small to large projects throughout the state of ND. Pembina Gorge State Recreation Area employees have operated, maintained and protected all current trails and facilities with success.

Evaluation Criterion:

All applications must address the following criteria in the order that they appear.

1. Site and project quality: consideration of the needs of the intended trail user group(s); aesthetic quality of the trail location; appropriateness of the trail for the intended or existing uses; clarity, detail, and quality of project plan/design; quality of existing development (if any) on site or in corridor; attention to safety, accessibility and health considerations.

The overlook would be an addition to our existing trail head. Often times we get visitors to our trail head who are driving by in their cars and stop in to see what the Pembina Gorge is all about. Our intention is to provide them a reason to get out of their cars and hike a short easy grade trail to the top of the ridge from the parking lot and take in one of the most beautiful views of the Pembina Gorge. People need to see it to appreciate it. We want to continue the "rustic" theme of the development in the Pembina Gorge by using the logs and stone, much like the early buildings were in the area. By installing some educational panels at the site and along the trails, we can use this as an opportunity to educate people on the uniqueness of the area. This is a project that everyone can enjoy and use and possibly learn something about the Pembina Gorge.

2. Public need for and benefit of project: safety concerns, urgency of action, potential to lose the opportunity, number of people who would benefit from the project when compared to cost. Why should this project be funded? How many people could be expected to use the trail over the course of the year as a result of funding the project?

Presently, the multi-use trail has several natural overlooks that are not easy to access without some mode of transportation. This project will provide all users a chance to over look the gorge without traveling too far from the trailhead and any other amenities. This project should be funded to provide ALL users the opportunity to use the site.

3. Attention to the potential environmental impact of the project and efforts to mitigate adverse effects: Possible areas of consideration include but are not limited to: noise, odors, dust, surface erosion, fish and wildlife populations, damage to wetlands, or other ecologically sensitive natural resources or historical/archeological remains. All applications are subject to review by the State Historical Society. If sponsor has a recent cultural review letter or document, please include with the application attachments.

This project, during and after completion, will have minimal environmental impacts upon the land, wildlife populations, and historical/archaeological remains. The project site resides upon a ridge-line in the middle of a meadow. There will be little to no habitat removed nor disturbed during and after completion. In 2010 there was an archaeological study conducted in the same section which the site resides in, refer to "Pembina Gorge: A Class III Cultural Resource Inventory for a Proposed Multi-Use Path in Cavalier County, North Dakota". Prepared by Damien Reinhart, Metcalf Archaeological Consultants INC.

4. Impact on adjoining landowners in the vicinity of the project:

Identify adverse impacts that might be realized as a result of completing the project, and how the project design attempts to mitigate adverse impacts. How might the project improve conditions for adjacent landowners?

This project is simply an addition to the existing trail head and an improvement to it's aesthetic quality. It will give people a reason to stay a little longer at the trail head and provide some education about the area which may lead a better understanding as to why we should respect it and the people around it. The Pembina Gorge SRA is a great opportunity for people to get into the woods and reconnect with nature but it is largely contingent upon local cooperation. By providing views such as this and giving people an opportunity to appreciate the area, we are building a larger group of "protectors" and "preservers" of the Pembina Gorge, which will benefit everyone.

ATTACHMENTS

- * A legible copy of the Warranty Deed (project sponsor must have clear title to the project lands through Warranty Deed).
- * Project location map. NOTE: Map should be an aerial view that allows project site and its location to be easily identified. Include street names, entrance site, marked trail and mile markers (use Google Maps).
- * Site Development Plans.
- * Written assurances/leases that confirm the project will be open for public use.
- * If applicable, recent past cultural review letters or documents.

Certifications Regarding Debarment, Suspension and Other Responsibility Matters, Drug-Free Workplace Requirements and Lobbying

Persons submitting this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions – The prospective primary participant further agrees by submitting this proposal that it will include the clause titles, “Certification Regarding Debarment, Suspension, Ineligibility and voluntary Exclusion – Lower Tier Covered Transaction,” provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; Certification Regarding Drug- Free Workplace Requirements-Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) – (See Appendix C of Subpart D of 43 CFR Part 12)

Checking the boxes on this form and submitting it provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the funding agency determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions

CHECK IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Part B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions

CHECK IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Part C: Certification Regarding Drug-Free Workplace Requirements

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL

Alternate I. (Grantees Other Than Individuals)

1. The grantee certifies that it will or continue to provide a drug-free workplace by:
 1. (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
 2. (b) Establishing an ongoing drug-free awareness program to inform employees about-
 1. The dangers of drug abuse in the workplace;
 2. The grantee's policy of maintaining a drug-free workplace;
 3. Any available drug counseling, rehabilitation, and employee assistance programs; and
 4. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
 3. (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
 4. (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will –
 1. Abide by the terms of the statement; and
 2. Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
 5. (e) Notifying the agency in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification numbers (s) of each affected grant;
 6. (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
 1. Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 2. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
 7. (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a),(b),(c),(d),(e) and (f).
2. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant: Place of Performance (Street address, city, county, state, zip code)

Address Line 1:	101 5th Street
Address Line 2:	
City:	Walhalla
State:	ND
Zip:	58282

Check if there are workplaces on file that are not identified here

Part D: Certification Regarding Drug-Free Workplace Requirements

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL

Alternate II. (Grantees Who Are Individuals)

1. The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
2. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number (s) of each affected grant.

Part E: Certification Regarding Lobbying

Certification for Contracts, Grants, Loans, and Cooperative

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered unto. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true and that all information in this application is accurate to the best of my knowledge:

For information of how to digitally sign this document, click on this link: ["http://kb.its.psu.edu/node/2127"](http://kb.its.psu.edu/node/2127)

Michael Duerre
Digitally signed by Michael Duerre
DN: cn=Michael Duerre, o=ND Parks and Recreation
Department, ou, email=mduerre@nd.gov, c=US
Date: 2015.01.29 15:27:30 -06'00'

Responsible Official's Signature

ND Parks and Recreation Department

Political Subdivision (Project Sponsor)

PGSRA Manager

Responsible Official's Title

01/29/2015

Date

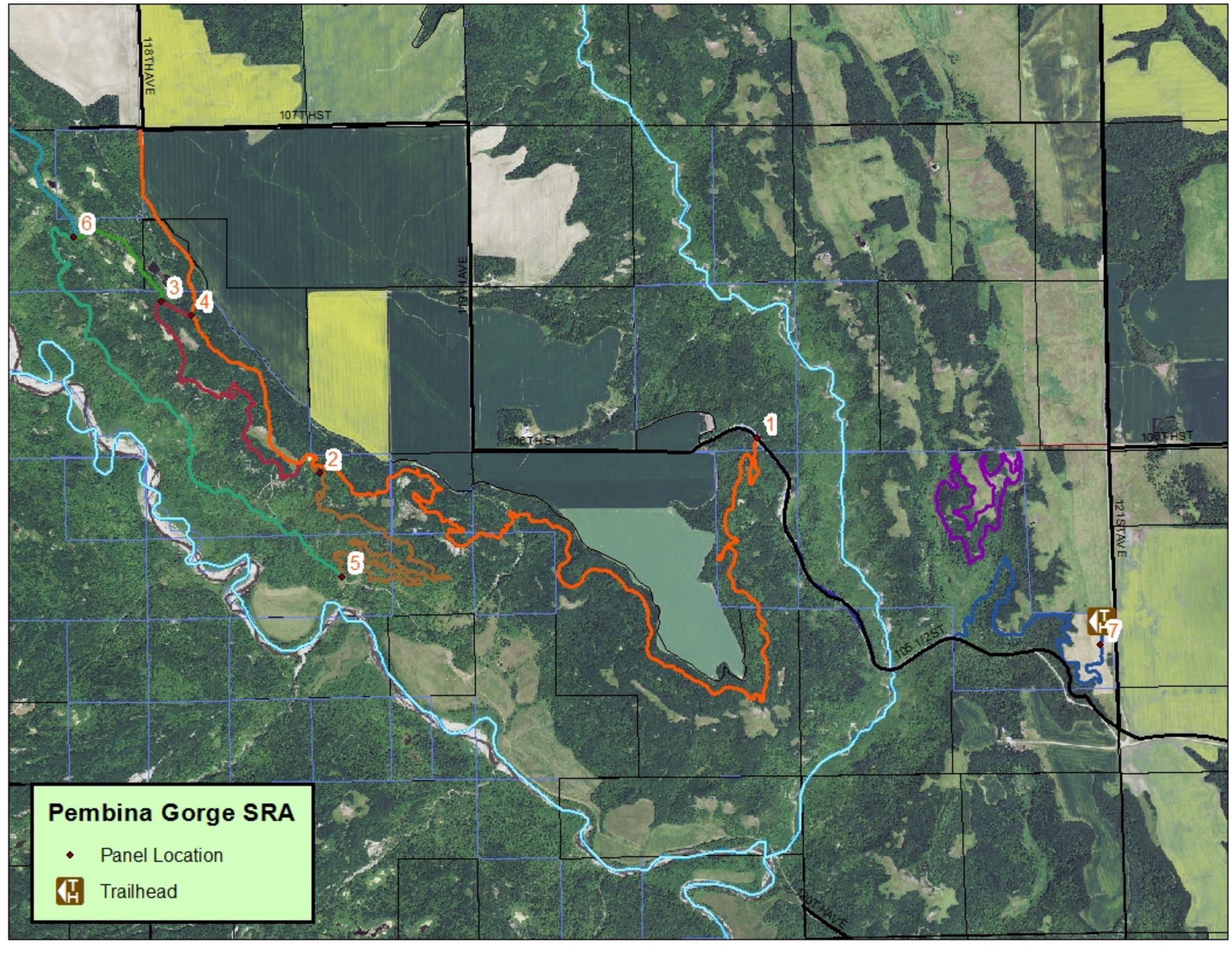
Please submit one electronic copy by 1:00 P.M. CST on January 30, 2015 to:

Electronic Copy:

If you have any questions, please contact Kevin Stankiewicz at 701-328-5364 or kstankiewicz@nd.gov

ATTACHMENTS

- * A legible copy of the Warranty Deed (project sponsor must have clear title to the project lands through Warranty Deed).
- * Project location map. NOTE: Map should be an aerial view that allows project site and its location to be easily identified. Include street names, entrance site, marked trail and mile markers (use Google Maps).
- * Site Development Plans.
- * Written assurances/leases that confirm the project will be open for public use.
- * If applicable, recent past cultural review letters or documents.
- * If applicable, written confirmation of MPO approval.



Pembina Gorge SRA

◆ Panel Location

Ⓣ Trailhead



Overlook Site Location

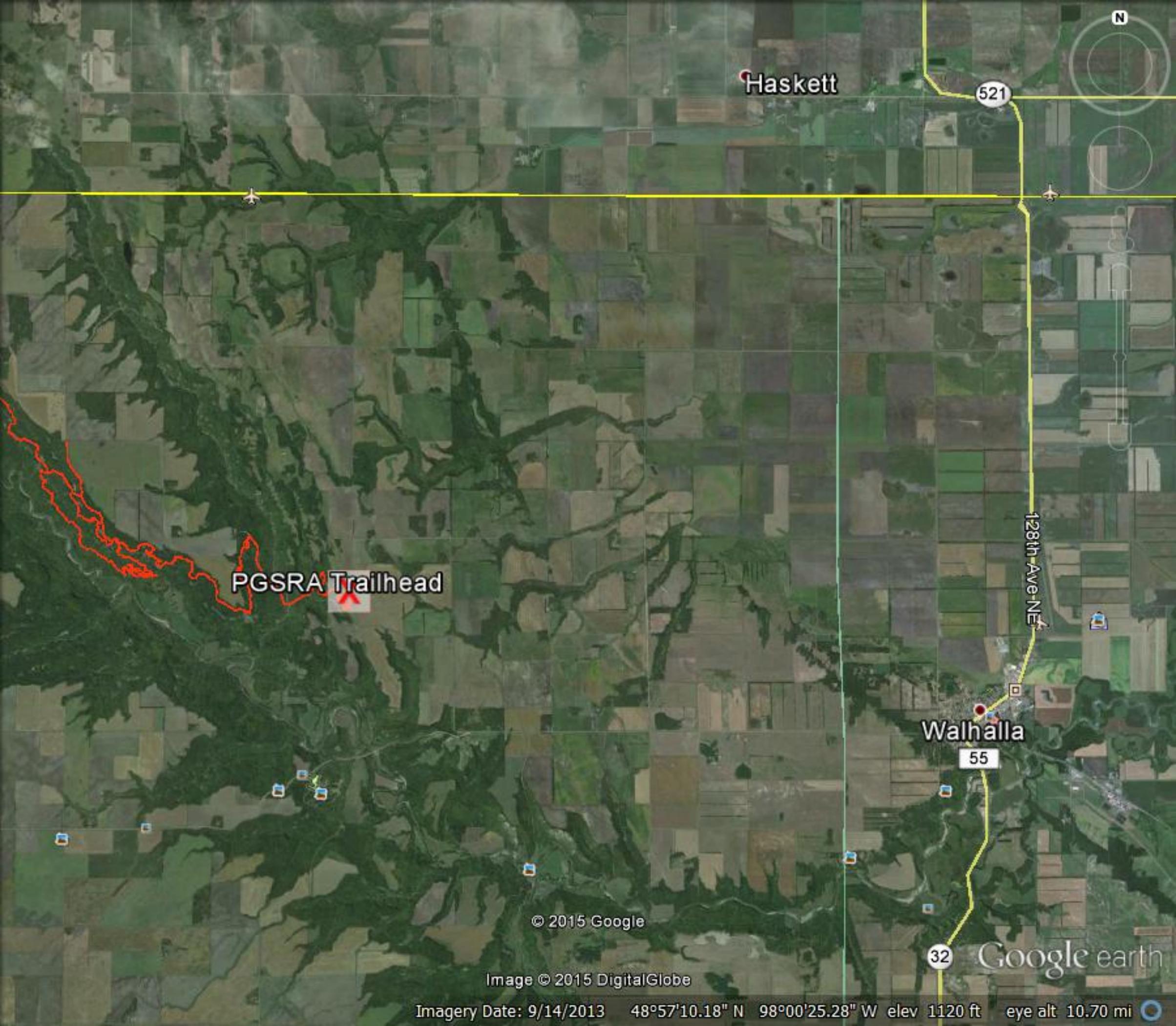


Pembina Gorge SRA

 Trailhead

121 ST AVE

105 1/2 ST



Haskett

521

PGSRA Trailhead

128th Ave NE

Walhalla

55

32

Google earth

© 2015 Google

Image © 2015 DigitalGlobe

Imagery Date: 9/14/2013 48°57'10.18" N 98°00'25.28" W elev 1120 ft eye alt 10.70 mi

AUG 23 2010

**Pembina Gorge:
A Class III Cultural Resource Inventory
for a Proposed Multi-Use Path in
Cavalier County, North Dakota**

Prepared for:
North Dakota Parks & Recreation
Walhalla, North Dakota

Principal Investigator:
Damien Reinhart

Prepared by:
Damien Reinhart
Metcalf Archaeological Consultants, Inc.
Bismarck, North Dakota

August 2010

MANUSCRIPT DATA RECORD FORM

1. Manuscript Number:
2. SHPO Reference #:
3. Author(s): Damien Reinhart
4. Title: Pembina Gorge: A Class III Cultural Resource Inventory for a Proposed Multi-Use Path in Cavalier County, North Dakota
5. Report Date: August 2010
6. Number of Pages: 14
7. Type: I
8. Acres: 49.1 acres
9. Legal Location(s):

<u>County</u>	<u>TWP</u>	<u>R</u>	<u>SEC</u>	<u>SU</u>
Cavalier	163	57	18	NR
	163	58	12-14	NR

**Pembina Gorge:
A Class III Cultural Resource Inventory
for a Proposed Multi-Use Path in
Cavalier County, North Dakota**

Prepared for:
North Dakota Parks & Recreation
Walhalla, North Dakota

Principal Investigator:
Damien Reinhart

Prepared by:
Damien Reinhart
Metcalf Archaeological Consultants, Inc.
Bismarck, North Dakota

August 2010

Abstract

North Dakota Parks & Recreation intends to construct multi-use paths through the Pembina Gorge region, west of the community of Walhalla, in Cavalier County, North Dakota. Metcalf Archaeological Consultants, Inc. was contacted to perform a Class III cultural resource inventory of approximately four miles of proposed trails with a final segment to be surveyed at a future date. The segments surveyed in July of 2010 totaled a length of 4.05 miles. The project corridor was 100 feet wide for a total of 49.1 acres. Between July 26th and July 28, 2010, Damien Reinhart, acting as Principal Investigator, along with Mike Stolt completed the fieldwork. An additional several hundred feet of path survey is yet to be completed as further planning by the North Dakota Parks & Recreation is required. An addendum will follow in the near future when the survey work can be completed as planned.

No cultural resources were identified during the survey. A finding of *No Historic Properties Affected* is recommended for the proposed multi-use path system as surveyed, mapped and described herein.

Introduction

North Dakota Parks & Recreation (NDP&R) intends to construct slightly over four miles of multi-use trails in the Pembina Gorge region west of the community of Walhalla in Cavalier County, North Dakota. NDP&R is attempting to curb the tide of off-road, all-terrain vehicles (ATV) that are harming natural areas in the Pembina River valley. The proposed system of trails will allow ATV riders to enjoy the state park in a safe and legal manner that will not disturb the natural environment. The trail is being constructed through a Recreation Trails Program Grant from the Federal Highway Administration. Because federal funds are involved, the project will have to comply with the National Historic Preservation Act (NHPA). Metcalf Archaeological Consultants, Inc. (MAC) was contacted in the summer of 2010 to perform a Class III cultural resource inventory of approximately four miles, with a final segment slated for inventory in the near future. The segments surveyed were 100 feet wide and totaled approximately 4.05 miles in length for a total of 49.1 acres. Damien Reinhart, Principal Investigator, and Mike Stolt undertook the inventory. An additional 0.25 miles remains to be inventoried, once NDP&R planners have completed surveying the route.

Project Location

The project area is approximately 4.1 miles west of Walhalla in Cavalier County, North Dakota (Figure 1). The proposed paths will link with existing roads and snowmobile trails within the area of potential effect (APE). The legal description of the project area is as follows:

Cavalier County	T163N/R57W	Section 18;
	T163N/R58W	sections 12-14.

It is depicted on the USGS 7.5' Vang (1972) topographic quadrangle, Map 1 (Appendix A).

The proposed path was divided into segments. The eastern segment begins in Section 18 of T. 163N, R. 57W, on a north-south section line road near Three Sisters Hill (Appendix B: Figure 2). From this point, the path follows a ridge line in Section 18 to the half-section line where it terminates at an existing gravel road (Appendix B: Figure 3). The western segment leaves the gravel road in Section 12 of T. 163N, R. 58W, on the southwest edge of the Pembina Hills State Game Management Area (Appendix B: Figure 4). The proposed path winds its way through sections 13 and 14, following the ridge contours that are just below agricultural fields (Appendix B: Figure 5). The path terminates at an existing snowmobile trail in Section 14 within the Pembina Hills State Game Management Area. NDP&R plans to extend the west end of this segment in Section 14 another 0.25 miles (Appendix B: Figure 6). This addition will need to be inventoried once NDP&R has settled on its location.

Project Setting

The project area lies along the Pembina Escarpment which forms the eastern edge of the Glaciated Plains unit of the Central Lowlands Physiographic Unit (Bluemle 2000). Hydrologically, it is within the Red River of the North Basin (Bluemle 2000). The area is characterized by the glacial Lake Agassiz plain, glacial beach lines and delta deposits, glacial

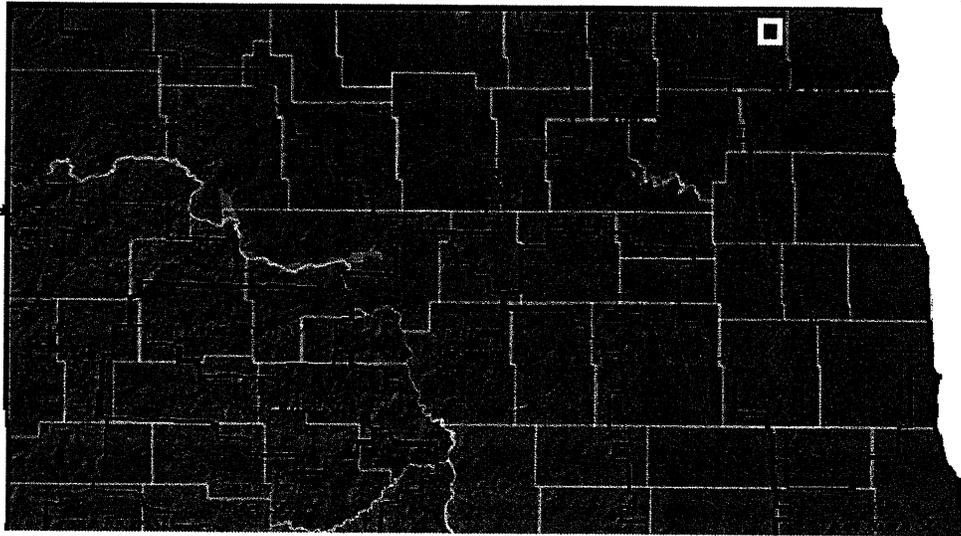


Figure 1 - General location of the project area.

moraines, glacial meltwater trenches, rolling ground moraine and till plains, and steep, hummocky glacial plains. Archaeological sites are numerous on the finger ridges of the Pembina Escarpment. The escarpment contains aspen, woody shrubs, and grasses. The area was desirable for prehistoric peoples for the diversity of flora and fauna and many of the archaeological sites in the region are situated in upland erosional settings (SHSND 2008:9.10-9.13). The survey corridor overlooks and roughly parallels the Pembina River which is to the south. The topography here is defined by the Pembina River valley, which has terraces that set some 8-18 meters above the present floodplain (SHSND 2008:9.8).

Ground surface visibility (GSV) within the survey area ranged between 10-20% in the most densely vegetated portions and 10-30% in the few instances of open grassland areas. The GSV is considered adequate for the inventory as most of the corridor is steeply sloping. Rodent burrow backdirt piles, anthill piles, and soil exposures increased the visibility in various parts of the area of potential effect (APE). Soils consisted primarily of sands and silt and exposures of shale were present throughout. A variety of mammals, water fowl, fish and reptiles occur in the region, particularly around the waterways.

In terms of archaeological spatial units, the project area lies within the Northeastern Plains subarea of the Northern Plains Culture Area (Scaglione 1980). It is within the Northern Red River Study Unit (Unit #9) as defined in *The North Dakota Plan for Historic Preservation: Archeological Component* (SHSND 2008). That document provides a comprehensive overview of the prehistoric and historic archaeology of the region.

Files Search

On July 21, 2010, Debbie Bjerke of MAC conducted a search of the site and manuscript files at the State Historical Society of North Dakota for the project area and the surrounding one-mile. The results are presented in Tables 1 and 2.

T/R-Section	SITS #	Site Type & Description	Recorder, Date	MS #
163/57-7	No Sites			2479
163/57-8	No Sites/No Surveys			
163/57-17	No Sites			4556
163/57-18	No Sites			2479, 4556
163/57-19	32CV012	Historic- dam, canal	Brown, 1981 Kordecki, 2006	2479, 3244, 10147
	32CV211	Archeological- cultural material scatter: lithic concentration	Purcell, 1979	
	32CV212	Archeological- cultural material scatter: chipped stone	Purcell, 1975 Kordecki, 2006	
	32CV213	Archeological- cultural material scatter: chipped stone	Purcell, 1979 Kordecki, 2006	
163/57-20	No Sites			4556
163/58-10	No Sites			2479
163/58-11	No Sites/No Surveys			
163/58-12	No Sites			2479
163/58-13	32CV215	Archeological- cultural material scatter: faunal remains, chipped stone	Purcell, 1979	2479, 3244
163/58-14	32CV010	Historic- foundation, wagon wheel, cultural material scatter: metal, wood	Brown, 1981	2479, 3244
163/58-15	No Sites/No Surveys			
163/58-22	32CVx44	Archeological- mound	Benson, 1980	No Surveys
163/58-23	No Sites/No Surveys			
163/58-24	32CV214	Archeological- cultural material scatter: chipped stone	Purcell, 1979 Kordecki, 2006	2479, 3244, 10147
	32CV215	Archeological- cultural material scatter: faunal remains, chipped stone	Purcell, 1979	

MS #	Reference
2479	Good, K., J. Dahlberg, and L. Sprunk 1980 A Cultural Resource Assessment of the Pembilier Lake and Dam Flood Control Project (A Literature and Records Search), Cavalier County, North Dakota
3244	Brown, K., M. Brown, and K. Zimmerman 1982 Archaeological and Historical Reconnaissance and Literature Search of Cultural Resources Within the Pembina River Project, Pembina and Cavalier Counties, North Dakota, Vols I and II
4556	Schweigert, K., R. Persinger, J. Dahlberg, J. Whitehurst, and L. Peterson 1988 A Cultural Resource Survey of a Proposed Rural Water System in Cavalier, Walsh and Pembina Counties, North Dakota
10147	Kordecki, C. and C. Jackson

MS #	Reference
	2007 Audubon Mitigation Tracts 2006 Cultural Resources Inventory in Cavalier and Grand Forks Counties, North Dakota

Six archaeological sites consisting of cultural material scatters, one archaeological site lead consisting of a mound, and two historic sites consisting of a dam and a foundation have been recorded. Four cultural resource inventories have been conducted, most of which pertain to rural water development or flood control.

Management Goals

Because this project is funded through the Federal Highway Administration, it must comply with NHPA (Public Law 89-665, as amended) and its implement regulations, 36 CFR Part 800. The project segments were inventoried to locate any cultural resources that may qualify for inclusion on the National Register of Historic Places (NRHP) within the undertaking APE and that may be affected by the construction of the paths. If identified cultural resources cannot be avoided, standard archaeological field testing and evaluation procedures will be implemented including, if necessary, mitigation of any cultural resources that qualify as historic properties prior to ground disturbance.

Field Methods

Damien Reinhart, Principal Investigator, along with Mike Stolt, conducted the inventory between July 26th and July 28, 2010. During the course of the inventory the project route was discussed with Mike Duerre of the NDP&R. Several other NDP&R employees, including trail planners, were present during the final day of the inventory.

The inventory was accomplished using parallel zigzag pedestrian transects spaced at 15 meter intervals to cover a 100 feet wide corridor. Both segments were inventoried in this manner. Both segments begin and end at existing roads and, with the western segment, a snowmobile trail. The segments avoid open areas bordering private land and are placed to maintain a minimum elevation of 1425 feet above sea level (asl). The remaining 0.25 miles that needs to be inventoried crosses a steep ridge.

Areas with enhanced ground surface visibility, including eroding road ditches and back-slopes, blowouts and other erosional features, and rodent/badger back dirt piles were closely examined. Project routes were mapped with the aid of a hand held Magellan GPS unit. Field notes were maintained and representative digital photos of the project area were taken. Copies of the maps, field notes, and digital photo images are on file at the MAC Bismarck office.

Results

The upland areas around Walhalla, especially those above the major drainages, have a high potential for sites given the general physiography, available resources, and based on site densities associated with previous inventories in the area. The general picture of this area for cultural resources is one of camping and hunting sites that are associated with the nearby

Pembina and Tongue rivers. Additionally, any point with higher elevation or view shed of a waterway also will be likely to have cultural resources. Much of the project corridor however, is on steep sloped land and therefore the likelihood for prehistoric sites is reduced. No cultural resources - buildings, structures, sites, or districts that are at least 50 years in age or properties of traditional religious and cultural importance to Native Americans - were encountered during the course of the inventory.

Conclusions and Management Recommendations

North Dakota Parks & Recreation intends to construct approximately four miles of multi-use paths in the Pembina Gorge region west of Walhalla in Cavalier County, North Dakota. Metcalf Archaeological Consultants, Inc. was contacted to perform a Class III cultural resource inventory of two corridor segments that were 100 feet wide and totaled 4.05 miles in length; a total of 49.1 acres was inventoried. The inventory was conducted between July 26th and July 28, 2010 by Damien Reinhart, Principal Investigator, along with Mike Stolt.

Since no cultural resources were identified during the inventory a finding of *No Historic Properties Affected* is recommended for the proposed project as surveyed, mapped and described herein.

References Cited

Bluemle, J. P.

2000 *The Face of North Dakota, Third Edition*. North Dakota Geological Survey, Bismarck. Educational Series 26.

Scaglione, R.

1980 The Plains Culture Area Concept. In *Anthropology on the Great Plains*. W. R. Wood and M. Liberty (eds). University of Nebraska Press. Lincoln. P. 23-34.

State Historical Society of North Dakota (SHSND)

2008 *The North Dakota Comprehensive Plan for Historical Preservation: Archeological Component*. Archeology and Historic Preservation Division, State Historical Society of North Dakota, Bismarck.

Appendix A: Project Map

Appendix B: Project Photo Section

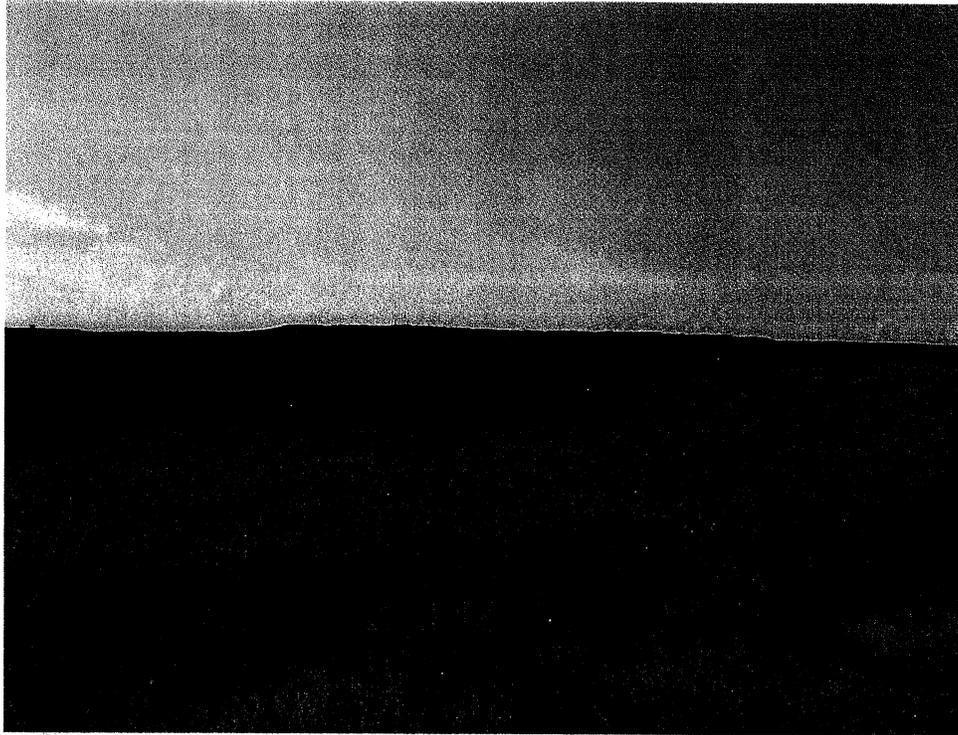


Figure 2: Overview of the beginning of the path to the west (Image 93).



Figure 3: View to the south from T. 163N, R. 57W, Section 18 (Image 95).



Figure 4: Overview to southeast from beginning of second segment (Image 96).



Figure 5: Overview to the east near the beginning of the path (Image 94).

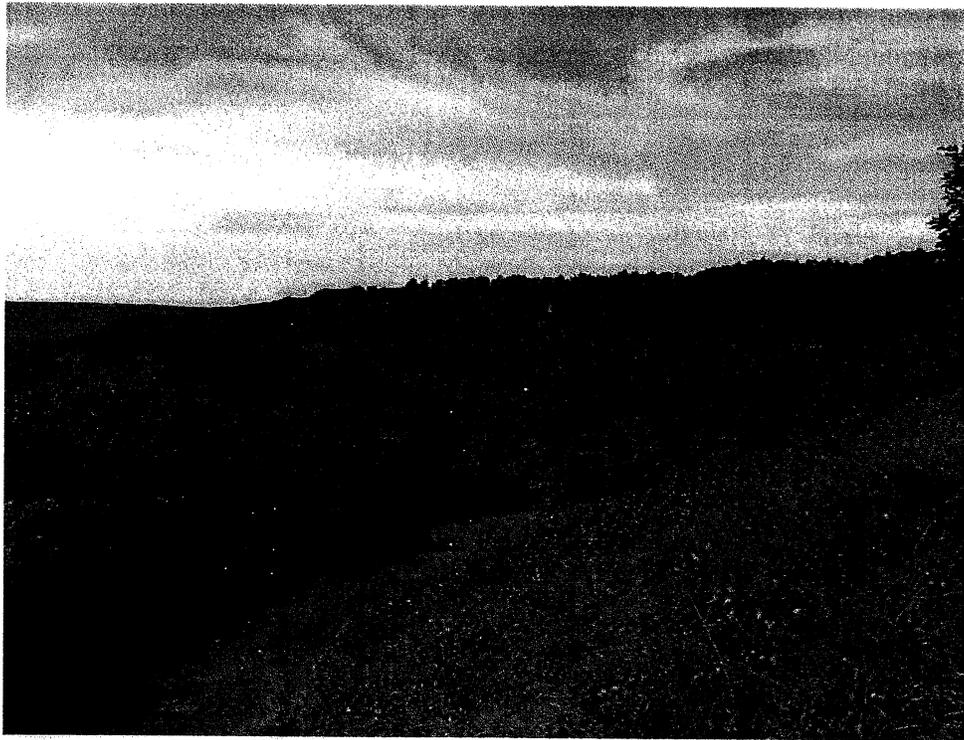
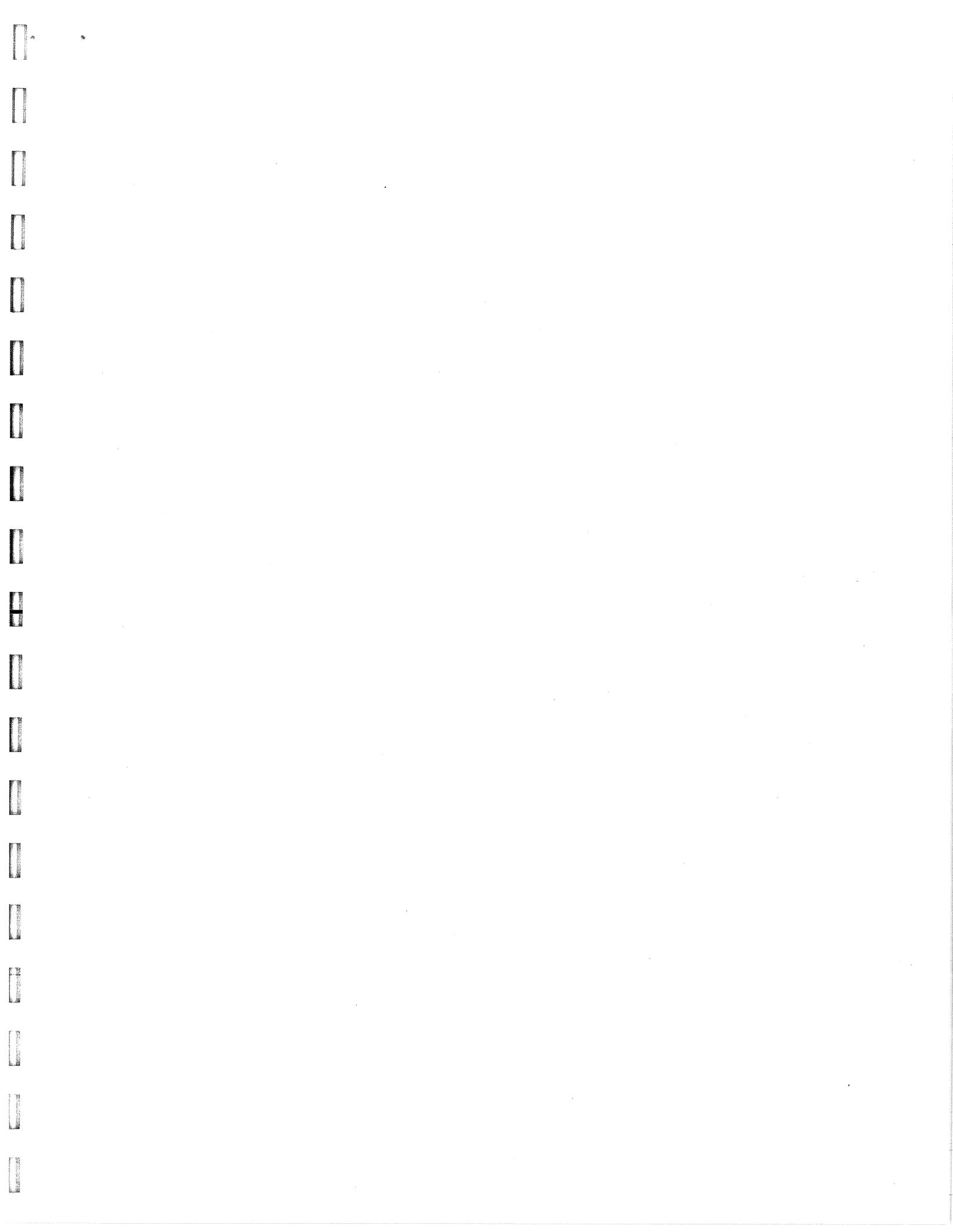


Figure 6: Overview of path to north near the ravine crossing (Image 97).

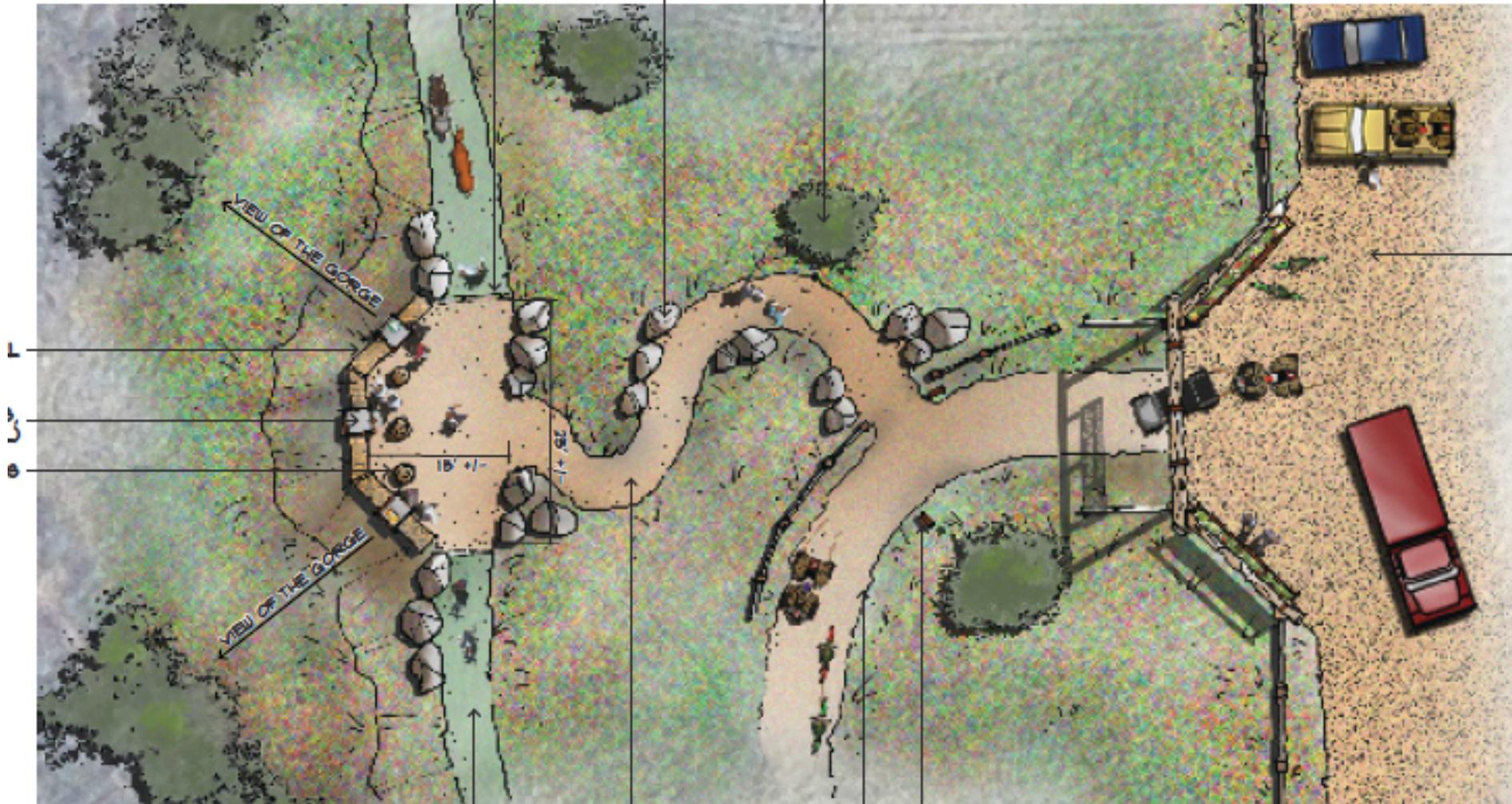


TRAILHEAD OVERLOOK

STONE EDGER TO CONTAIN OVERLOOK
BASE COURSE MATERIAL

LANDSCAPE BOULDERS FOR AESTHETICS AND TO PREVENT SHORT CUTTING

EXISTING SHRUB VEGETATION,
TYP.



L
S
E

VIEW OF THE GORGE

VIEW OF THE GORGE

18' +/-

26' +/-

MOWED TURF TRAIL, TYP.

6' WIDE SOFT SURFACE TRAIL GRADE NOT
TO EXCEED 5%

TRAIL SIGNAGE

EXISTING MULTI-USE TRAIL





EXISTING TRAILHEAD AND ENTRY SIGNAGE



VIEW OF THE GORGE FROM THE PROPOSED OVERLOOK LOCATION