

South Dakota Codified Laws 49-41B-11(11) and 49-41B-22 state that:

“The applicant shall include an identification and analysis of the effects the construction, operation, and maintenance of the proposed facility would have on the anticipated affected area including ...a forecast of the impact on landmarks and cultural resources of historic, religious, archaeological, scenic, natural, or other cultural significance.”

In order to meet this identification and analysis requirement, in May, August, and October 2008 the Applicant sponsored a desktop review of existing cultural resources records on file at the:

- South Dakota Archaeological Research Center (ARC) (134 locations)
- South Dakota State Register of Historic Places (0 locations), and;
- National Register of Historic Places (0 locations).

The Applicant reviewed these existing records within the entire Project boundary. Table 1 and Table 2 list the properties identified during that desktop review.

Table 1
Inventoried archaeological site locations within the Buffalo Ridge II Project boundary

County	Site Number	Site Description	Township-Range-Section	Comments
Brookings	██████	Native American artifact scatter	██████	Unevaluated
Brookings	██████	Unknown faunal/paleontological	██████	Unevaluated
Brookings	██████	Native American isolated find	██████	Not Eligible
Brookings	██████	Native American isolated find	██████	Not Eligible
Brookings	██████	Native American isolated find	██████	Unevaluated
Brookings	██████	Euro-American school foundation	██████	Unevaluated
Brookings	██████	Native American isolated find	██████	Not Eligible
Brookings	██████	Native American isolated find	██████	Not Eligible

County	Site Number	Site Description	Township-Range-Section	Comments
Brookings		Native American artifact scatter		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American artifact scatter		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American artifact scatter		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Native American isolated find		Not Eligible
Brookings		Euro-American artifact scatter		Not Eligible
Brookings		Probable Native American mound or earthwork locations		Survey need confirmation of location and condition
Deuel		Native American artifact scatter		Unevaluated
Deuel		Euro-American,		Unevaluated

County	Site Number	Site Description	Township-Range-Section	Comments
		Native American artifact scatter(s)		
Deuel		Native American stone circle		Unevaluated

Table 2
Inventoried standing structure locations within the Buffalo Ridge II Project boundary

County	SHPO ID	Function	Township-Range-Section	Eligibility
Brookings		Bridge		Not Eligible
Brookings		Bridge		Eligible
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Bridge		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated
Brookings		Agricultural/ Subsistence		Unevaluated

County	SHPO ID	Function	Township-Range-Section	Eligibility
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Eligible
Deuel		Education		Not Eligible
Deuel		Commercial/Residential		Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Commercial/Residential		Not Eligible
Deuel		Bridge		Not Eligible

Previous cultural resource surveys within the Project footprint identified 21 resources and 2 probable resource locations. The 23 resources include:

- 18 Native American artifact scatters and/or isolated finds. Fourteen of these resources have been recommended or determined through consensus to be not eligible for listing on the National Register of Historic Places (NRHP). Four have not been evaluated for listing on the NRHP;
- Two historic-period, Euro-American artifact scatters and/or foundations. One of these resources has been recommended or determined through consensus to be not eligible for listing on the NRHP. The other has not been evaluated for listing on the NRHP;
- One reported faunal/Paleontological location of unknown origin. It has not been evaluated for listing on the NRHP;
- One probable stone circle location that has not been confirmed, and;
- One probable location of a group of earthworks reported in the *T.H. Lewis Notes for Brookings County*.

Standing structures locations in the Project footprint were previously inventoried, and some were evaluated for listing on the NRHP. These 111 structure locations, each recorded with a binomial as an individual structure or as a distinct, cohesive unit, illustrate a typical cross-section of rural, Euro-American functional types, including:

- 73 agricultural/subsistence locations, each not yet evaluated for listing on the NRHP;
- 20 commercial/residential locations, namely nine in the town of Toronto (one is eligible) and 11 in nearby Astoria (two are eligible);
- 13 bridges, namely one recommended or determined through consensus to be eligible for listing on the NRHP, nine recommended or determined through consensus to be not eligible for listing on the NRHP, and three not yet evaluated for listing on the NRHP;

- Three domestic locations, each not yet evaluated for listing on the NRHP, and
- Two educational locations not yet evaluated for listing on the NRHP.

In recognition that Project activities may coincide with as yet unidentified archaeological resources, the Applicant currently sponsors an inventory for and evaluations of archaeological properties that may exist within proposed construction limits in the Project footprint. This archaeological investigation, contracted to the Archaeology Laboratory, Augustana College (ALAC), is ongoing and will be documented in a technical report that will meet state and federal technical standards (Archaeology Laboratory, Augustana College pending 2008). The Applicant directed the ALAC to document each resource's integrity and significance and, with this information, recommend resources eligible for listing on the NRHP.

The applicant will attempt to physically avoid unevaluated resources or resources listed on or eligible for listing on the NRHP (as recommended by our consultant). Should the Applicant identify a coincidence among construction or operations limits and any known resource, the Applicant will engage the ARC and the South Dakota Historic Preservation Office in writing, requesting them to review the ALAC's recommendations regarding NRHP eligibility and work with the Applicant to resolve the coincidence. This resolution may include, but should not necessarily be limited to, the following actions:

- Development of construction or operations measures to avoid the resource;
- Development of construction or operations best management practices to minimize impact to the resource, or
- Development of a field investigation plan to recover data from the resource that may be lost due to construction or operations activities.