

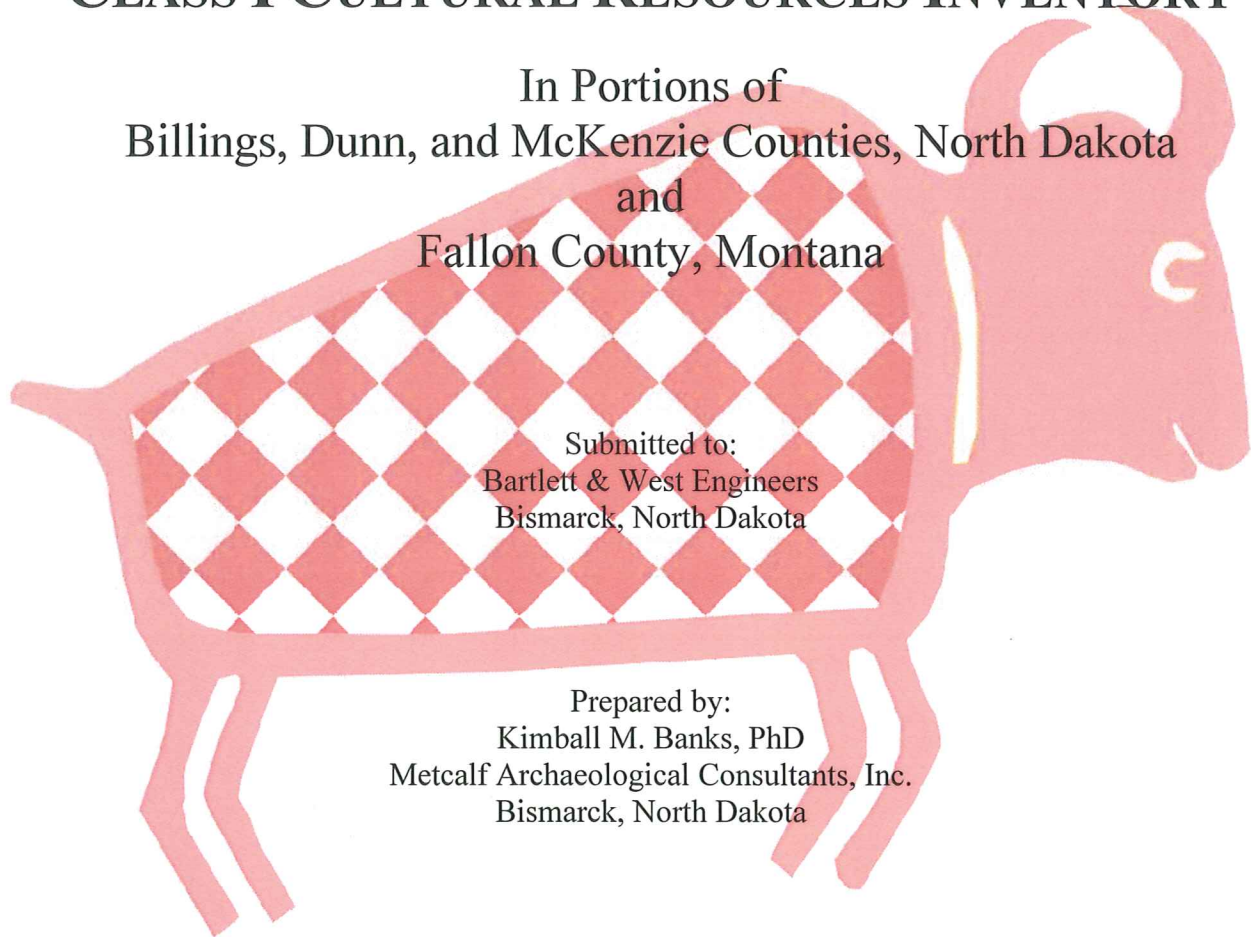
**ADDENDUM 1:
DUNN LATERAL
THE BAKKENLINK PIPELINE:
FINAL REPORT
CLASS I CULTURAL RESOURCES INVENTORY**

In Portions of
Billings, Dunn, and McKenzie Counties, North Dakota
and
Fallon County, Montana

Submitted to:
Bartlett & West Engineers
Bismarck, North Dakota

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Introduction

Metcalf Archaeological Consultants, Inc. has completed a Class I cultural resources inventory of the proposed Dunn Lateral for the BakkenLink Pipeline. The Dunn Lateral will run generally east-west in Billings, Dunn, and McKenzie counties in North Dakota. The Class I inventory involved a search of both the site and manuscript files at the State Historical Society of North Dakota (SHSND) for the proposed project undertaking areas of potential effects for the Dunn Lateral. The file search took place in April, 2011.

Objectives

The search has two objectives. One is to identify those cultural resources - buildings, structures, sites, objects, or districts, that are 50 years or older or properties of traditional religious and cultural importance to Native Americans – that have been recorded within the search area. Identification includes, to the extent possible, establishing whether the resources have been determined eligible for inclusion or are already included in the National Register of Historic Places (NRHP). Both designations afford the same considerations/protections under the National Historic Preservation Act (NHPA). Any resource that has been determined as eligible or is included in the NRHP will have to be avoided unless it can be determined that the resource no longer qualifies for inclusion. If avoidance is not possible, then they will have to be mitigated.

The second is to identify the cultural resource inventories that have been conducted within the search area. Once the right-of-way has been selected, cultural resource inventories that include portions of the right-of-way will need to be evaluated to determine the sufficiency of the inventories and whether the area(s) they covered need to be re-inventoried.

These data have been compiled into tables that list of all the recorded cultural resources (Attachment 1) and the cultural resource investigations (Attachments 2 and 3). The cultural resources and inventories have been plotted on the appropriate topographic maps (Attachment 4). For Attachment 1, the cultural resources have been assembled by legal description, then site number, site type; and eligibility evaluation. For Attachment 2, the inventories have been compiled by manuscript number and author/title. For Attachment 3, the inventories have been organized by legal description and then manuscript number. The maps in Attachment 4, the sites

are identified by their site number and the inventories by the manuscript number. This report concludes with recommendations, as appropriate, concerning the level of inventory of the proposed right-of-way. Some areas may only require a Level/Class II reconnaissance while others a Level/Class III intensive inventory. Further and to the extent possible, the report also concludes with recommendations concerning whether any specific types of resources should be automatically considered eligible or ineligible for inclusion in the NRHP.

This report and the two data sets – recorded cultural resources and cultural resource inventories – have been prepared for use in consultation with and between the administering federal and/or state agency(ies) and the North Dakota State Historic Preservation Officer (SHPO). These consultations will address the effects of the construction of the pipeline on cultural resources and how to offset any effects.

The Search Area

The general location of the search area is depicted on Map 1 in Attachment 4. The construction corridor will be 21.6 miles (34.8 kilometers) long. The search area was three miles wide; centered on the proposed one-mile wide construction corridor; and included a mile on each side of the corridor to allow for possible reroutes. The search area included a total of 111 sections. The search area included portions of Billings, Dunn and McKenzie counties in North Dakota.

Study Units

The *North Dakota Comprehensive Plan for Historic Preservation: Archaeological Component*, (State Historical Society of North Dakota [SHSND] 2008) divides the state into a series of study units centered on the major drainages in the state. The plan summarizes the archaeological record for each study unit, summarizes the investigations that have occurred, and provides a comprehensive and concise overview of the cultural resources in each. The plan also is a tool whereby the level of inventory between one study unit and another can be evaluated. The search area included portions of the Little Missouri Study Unit (Unit #1), the western edge of the Knife River Study Unit (Study Unit #3), and the western edge of the Heart River Study Unit (Study Unit #4). Of these units, the Little Missouri Unit has probably experienced more cultural

resource investigations than the other two, the primary reason being that this unit has been the focus of oil development.

Cultural Resources

A total of 135 cultural resources have been recorded within the search area for North Dakota (Table 1). Individual sites, also including their legal description, type, recorder, and management recommendations, are listed in Attachment 1. North Dakota recognizes three different types of cultural resources: sites, site leads, and isolated finds. Sites are defined as “...a location of past human activity that took place over 50 years ago and which left physical traces of that activity in the form of (1) an intact cultural feature, (2) five or more artifacts found within about 60 m of each other, and/or (3) an intact subsurface cultural deposit regardless of the number of artifacts.” Isolated finds are defined as “ [a] location with four or fewer artifacts and identified by the archeologist(s) as representing an area of very limited past activity.” Site leads consist of “...locations reported by a landowner or other non-professional as containing cultural resources” or “...when a location with four or fewer surface visible artifacts is, in the professional judgement [sic] of the archeologist(s), likely to be only a limited surface expression of a former occupation area where most of the artifacts are not visible (i.e., still buried)” (<http://history.nd.gov/hp/PDFinfo/ND%20SHPO%20Guidelines%20Manual.pdf>). Table 1 lists the number of recorded architectural, archaeological, historic and multicomponent sites, site leads, and isolated finds by county. Multicomponent resources are those that have a combination of an architectural, archaeological, or historic component.

County	Architectural	Archaeological			Historic		Total sites per county
	Site	Site	Site lead	IF*	Site	Site lead	
Billings	0	5	0	2	0	0	7
Dunn	4	19	1	20	5	3	52
McKenzie	2	34	0	39	1	0	76
Totals by type	6	58	1	61	6	3	135

* Isolated Finds

“Sites” – whether archaeological, historic, architectural, or multicomponent – account for 51.9% of the recorded resources; over two-thirds of which, 82.9% are archaeological. Isolated finds, which are distinguished by the presence of a minimal number of artifacts, account for another 45.2% and all are archaeological. Isolated finds are generally not considered eligible for inclusion in the NRHP. Site leads comprise those resources which have been reported but not field checked.

The majority of cultural resources are archaeological sites, site leads, and isolated finds, accounting for 88.9% of the recorded resources. These are primarily cultural material (artifact) scatters. The historic resources consist of four cultural material scatters, a foundation, a post office, a townsite, a trail, and a transmission line. The architectural resources include three churches/chapels and associated cemeteries, two bridges, and a homestead.

The number of cultural resources that have been determined as eligible for inclusion or are included in the NRHP, that have been determined as not eligible, and that have not been evaluated are listed in Table 2. This table is organized by county. With respect to NRHP eligibility, only three resources – two archaeological cultural material scatters and a bridge - have been determined to be eligible for inclusion; none are formally listed in the NRHP. The majority, 7.8% have been determined not eligible to the NRHP while the eligibility of the remaining 40%, have not been evaluated.

County	Eligible	Not Eligible	Unevaluated
Billings	0	3	4
Dunn	2	30	20
McKenzie	1	45	30
Totals by type	3	78	54

Cultural Resource Inventories

The State Historical Society of North Dakota contains 63 manuscripts that document cultural resource inventories in the search area (Attachment 2). The number of manuscripts in each county, including those that cross more than one county are presented in Table 3. The overwhelming majority of these are associated with energy development, specifically for well

pads, service roads, and oil pipelines. Other inventories are associated with highway projects and water development.

County	Number of Manuscripts
Billings	2
Dunn	21
McKenzie	22
Multiple Counties	18
Total	63

Resources within the Pipeline Corridor

The distribution of the cultural resources was examined with respect to the pipeline construction corridor and a ½ mile on either side of the proposed route. The number of sites in this narrower search area is presented in Table 4. The site numbers and their legal descriptions are presented in Table 5. The “Sites not mapped” and the “Site leads not mapped” refer to those resources for which precise locational information is not available; they are along the route but may or may not be in the construction corridor.

Map #	Sites in corridor	Site leads in corridor	Sites in route	Site leads in route	Sites not mapped	Site leads not mapped	Totals
2	7	0	1	0	1	0	9
3	0	0	1	0	0	0	1
3	0	0	1	0	0	0	1
4	1	0	0	0	0	0	1
5	1	0	0	0	0	0	1
No other resources are within the corridor and proposed route on Maps 6 & 7							

Map	Site (SITS) Number	T/R/S
Map 1	32MZ1461	145/98-33, 34
Map 2	32DU136	145/97-32
Map 3	32DU137	145/97-26, 35

Conclusions and Recommendations

A total of 135 cultural resources have been recorded and at least 63 cultural resource investigations have been undertaken within the 111 sections that comprised the search area for the proposed Dunn Lateral of the BakkenLink Pipeline. The overwhelming majority of the

cultural resource investigations were associated with energy development. Of the cultural resources, three have been determined to be eligible for inclusion in the NRHP. These sites will have to be avoided or, if that is not possible, mitigated. Their eligibility can also be reevaluated and if found not eligible, they should not have to be avoided. A reevaluation will have to be done in consultation with the SHPO and, if applicable, the Federal land-managing agency.

Another 78 resources have been determined not eligible for inclusion in the NRHP. These resources should not have to be avoided during construction. However, the State Historic Preservation Office and, if applicable, Federal land-managing agency should be consulted prior to construction to determine whether they agree.

The eligibility of the remaining 54 resources has not been determined. These resources will have to be avoided. If they cannot be avoided, a program will need to be developed in consultation with the SHPO and the Federal agency, as appropriate, to determine their eligibility. This evaluation program will have to be completed and the eligibility determined before construction can begin within the vicinity of the resource. If the program demonstrates that the resource is eligible it will have to be avoided; if that is not possible, the effects of construction on the resource will have to be mitigated. Appropriate mitigation measures will have to be developed in consultation with the SHPO and, if applicable, Federal land-managing agency.

With respect to inventory level, that will have to be determined in consultation with the SHPO and, if applicable, the Federal land-managing agency. High probability areas are going to be stream crossing(s) and areas with a good view shed. Areas around the Killdeer Mountains also have a high density of sites. Areas of low probability include disturbed areas where the Holocene soils have been removed. Areas that have been previously inventoried should not have to be re-inventoried unless the SHPO and/or appropriate Federal agency determine the need to check the adequacy of previous inventories; this will most likely apply to the older inventories.

References Cited

State Historical Society of North Dakota [SHSND]
2008 *North Dakota Comprehensive Plan for Historic Preservation: Archaeological Component*, (<http://history.nd.gov/hp/hpforms.html>)

Attachment 1:
Results of Files Search
Recorded Cultural Resources

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
140/99-1	No Sites						
140/99-2	No Sites						
140/99-3	No Sites						
140/99-4	No Sites						
140/99-9	No Sites						
140/99-10	No Sites						
140/99-11	No Sites						
140/99-12	No Sites						
140/99-13	No Sites						
140/99-14	No Sites						
140/99-15	No Sites						
140/99-16	No Sites						
140/99-21	No Sites						
140/99-22	No Sites						
140/99-23	No Sites						
140/99-24	No Sites						
144/96-4	32DU97	Archaeological-cultural material scatter, quarry/mine(2), chipped stone	Volk, 1980	Unevaluated	None	None	2
144/96-5	No Sites						
144/96-6	No Sites						
144/97-1	No Sites						
144/97-2	No Sites						
144/97-3	32DU339	Archaeological-cultural material scatter, chipped stone	McKibbin, 1985	Not Eligible	None	None	1
	32DU1228	Architectural-bridge	Hufstetler/ McCormick, 2000	Not Eligible	None	None	1
144/97-4	No Sites						
144/97-5	No Sites						
144/97-6	32DUx439	Archaeological-chipped stone	Simon, 1979	Not Eligible	None	None	1
144/98-1	32BI747	Archaeological-cultural material scatter, chipped stone	Martorano, Killiam, 1989	Unevaluated	None	None	4
144/98-2	No Sites						
144/98-3	32BI882	Archaeological-cultural material	Runge, 1999	Unevaluated	None	None	5

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
		scatter, chipped stone					
144/98-4	No Sites						
144/98-5	No Sites						
144/98-6	No Sites						
144/98-7	No Sites						
144/98-8	No Sites						
144/98-9	No Sites						
144/98-18	No Sites						
144/98-19	No Sites						
144/98-30	No Sites						
144/98-31	No Sites						
144/99-1	No Sites						
144/99-2	32BI970	Archaeological-cultural material scatter, chipped stone	Floodman, 2006	Not Eligible	None	None	1
	32BI971	Archaeological-cultural material scatter, chipped stone	Floodman, 2006	Unevaluated	None	None	4
	32BI972	Archaeological-cultural material scatter, projectile point, chipped stone	Floodman, 2006	Unevaluated	None	None	4
	32BIx109	Archaeological-projectile point	Floodman, 2006	Not Eligible	None	None	1
	32BIx110	Archaeological-projectile point	Floodman, 2006	Not Eligible	None	None	1
144/99-3	No Sites						
145/95-15	32DU1254	Archaeological-cultural material scatter, chipped stone	Morrison, 2002	Unevaluated	None	None	4
145/95-16	32DU42	Archaeological-cultural material scatter, chipped stone	Root, 1983	Not Eligible	None	Yes	5
	32DU43	Archaeological-cultural material scatter, chipped stone	Root, 1983	Not Eligible	None	Yes	4
	32DUx105	Archaeological-chipped stone	Hetland, 1982	Not Eligible	None	None	1
	32DUx130	Archaeological-chipped stone	France, 2008	Not Eligible	None	None	1
	32DUx270	Archaeological-chipped stone	France, 2008	Not Eligible	None	None	1
145/95-17	32DU1163	Historic-trail	Simon, 1979	Unevaluated	None	None	2
145/95-18	No Sites						
145/95-19	No Sites						
145/95-20	32DU1244	Archaeological-cultural material	Bluemle, 2002	Unevaluated	None	None	5

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
		scatter, chipped stone					
145/95-21	32DU52	Archaeological-cultural material scatter, chipped stone	Root, 1980	Not Eligible	None	Yes	4
	32DU1400	Archaeological-cultural material scatter, chipped stone	Hiemstra, 2008	Unevaluated	None	None	3
	32DUx104	Archaeological-chipped stone	Hetland, 1982	Not Eligible	None	None	1
145/95-22	32DU1400	Archaeological-cultural material scatter, chipped stone	Hiemstra, 2008	Unevaluated	None	None	3
	32DUx28	Archaeological-chipped stone	France, 2008	Not Eligible	None	None	1
	32DUx51	Archaeological-chipped stone	France, 2008	Not Eligible	None	None	1
	32DUx581	Archaeological-chipped stone	Hiemstra, 2008	Not Eligible	None	None	1
	32DUx622	Archaeological-chipped stone	Potter, 2002	Not Eligible	None	None	1
145/95-27	No Sites						
145/95-28	32DU53	Historic-cultural material scatter, ceramics, glass, metal	Root, 1980	Unevaluated	None	None	1
	32DU126	Archaeological-cultural material scatter, chipped stone, projectile point	Kordecki, 1982	Not Eligible	None	Yes	1
	32DUx103	Archaeological-chipped stone	Hetland, 1982	Not Eligible	None	None	1
145/95-29	No Sites						
145/95-30	No Sites						
145/95-31	No Sites						
145/95-32	No Sites						
145/95-33	32DUx102	Archaeological-chipped stone	Kordecki, 1982	Not Eligible	None	None	1
145/95-34	No Sites						
145/96-7	No sites						
145/96-8	No sites						
145/96-9	32DU1032	Archaeological-cultural material scatter, rock features(2), faunal remains, projectile point, chipped stone	Blikre, 1991	Eligible	Yes	Yes	5
145/96-10	32DU348	Archaeological-cultural material scatter, chipped stone	Medsker, 1985	Not Eligible	None	Yes	1
	32DU1033	Archaeological-cultural material scatter, faunal remains, chipped stone	Blikre, 1991	Unevaluated	None	None	2

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
	32DUx800	Archaeological-site lead, cultural material scatter, chipped stone	Scott, 2010	Unevaluated	None	None	2
	32DUx804	Archaeological-chipped stone	Scott, 2010	Not Eligible	None	None	1
145/96-11	32DU1370	Archaeological-cultural material scatter, faunal remains, chipped stone	Hiemstra, 2008	Not Eligible	None	None	4
145/96-13	No Sites						
145/96-14	32DU1231	Architectural-bridge	Hufstetler/McCormick , 2000	Eligible	None	None	2
145/96-19	32DUx568	Archaeological-chipped stone	Staiger, 1999	Not Eligible	None	None	1
	32DUx569	Archaeological-chipped stone	Staiger, 1999	Not Eligible	None	None	1
145/96-20	No sites						
145/96-21	No sites						
145/96-22	32DU1093	Historic-cultural material scatter, depression, foundation, metal	Wermers, 1993	Unevaluated	None	None	4
	32DU1505	Archaeological-cultural material scatter, chipped stone	Reinhart, 2010	Unevaluated	None	None	4
	32DUx49	Historic-site lead, Northrup Post Office	REAP, 1978	Unevaluated	None	None	2
145/96-23	32DU1162	Archaeological-cultural material scatter, chipped stone	Sungi, 1979	Unevaluated	None	None	2
	32DU1231	Architectural-bridge	Hufstetler/McCormick , 2000	Eligible	None	None	1
145/96-24	No Sites						
145/96-25	No Sites						
145/96-26	No Sites						
145/96-27	No sites						
145/96-28	No sites						
145/96-29	32DU347	Archaeological-chipped stone, cultural material scatter	Overturf, 1985	Not Eligible	None	None	1
	32DUx325	Archaeological-projectile point	McKibbin, 1985	Not Eligible	None	None	1
145/96-30	No sites						
145/96-31	32DU138	Archaeological-cultural material scatter, chipped stone	Borchert, 1982	Unevaluated	None	None	1
	32DU138	Historic-cultural material scatter, dump, glass, metal, rubber, wood	Borchert, 1982	Unevaluated	None	None	1

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
	32DU1189	Historic-cultural material scatter, dump, cloth, glass, metal, plastic, rubber, wood	Runge, 1999	Unevaluated	None	None	5
	32DUx557	Archaeological-chipped stone	Martorano/Killiam, 1989	Not Eligible	None	None	1
	32DUx570	Archaeological-chipped stone	Staiger/Runge, 1999	Not Eligible	None	None	1
145/96-32	No sites						
145/96-33	No sites						
145/96-34	No sites						
145/96-35	No sites						
145/96-36	No sites						
145/97-19	No sites						
145/97-20	No sites						
145/97-21	32DUx50	Historic-site lead, Whetstone Townsite	REAP, 1978	Unevaluated	None	None	2
145/97-22	No sites						
145/97-23	No sites						
145/97-24	32DU1215	Architectural-Whetstone Chapel and Haven of Rest Cemetery	Ford-Dunker, 1999	Unevaluated	None	None	2
	32DUx754	Historic-site lead, depression, foundation	Toom, 2008	Unevaluated	None	None	2
145/97-25	No sites						
145/97-26	32DU137	Archaeological-cultural material scatter, chipped stone	Borchert, 1982	Unevaluated	None	None	1
145/97-27	No Sites						
145/97-28	No Sites						
145/97-29	No Sites						
145/97-30	No Sites						
145/97-31	No Sites						
145/97-32	32DU136	Archaeological-cultural material scatter, chipped stone, projectile point	Gade/Borchert, 1982	Not Eligible	None	None	1
	32DUx435	Archaeological-chipped stone	Martorano/Killam, 1989	Not Eligible	None	None	1
145/97-33	32DUx436	Archaeological-chipped stone,	Martorano/Killam,	Not Eligible	None	None	1

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
		projectile point	1989				
	32DUx437	Archaeological-chipped stone	Martorano/Killam, 1989	Not Eligible	None	None	1
145/97-34	32DU1256	Architectural-St. Poklova Russian Orthodox Church and Cemetery	Schweigert, 1980	Unevaluated	None	None	2
145/97-35	32DU137	Archaeological-cultural material scatter, chipped stone	Borchert, 1982	Unevaluated	None	None	1
145/97-36	No Sites						
145/98-21	32MZ587	Archaeological-cultural material scatter, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ588	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Unevaluated	None	None	4
	32MZ589	Archaeological-cultural material scatter, chipped stone	Blikre/Borchert, 1987	Unevaluated	None	None	4
	32MZ590	Archaeological-cultural material scatter, chipped stone	Persinger/Floodman, 1981	Unevaluated	None	None	4
	32MZ591	Archaeological-cultural material scatter, projectile point, Hanna point base, chipped stone	Persinger/Floodman, 1981	Unevaluated	None	None	4
	32MZ592	Archaeological-cultural material scatter, projectile point, ground stone	Carino/Metz, 1981	Unevaluated	None	None	4
	32MZ593	Archaeological-cultural material scatter, fire cracked rock, chipped stone	Metz/Carino, 1987	Unevaluated	None	None	4
	32MZ594	Archaeological-cultural material scatter, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ595	Archaeological-cultural material scatter, projectile point, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ596	Archaeological-cultural material scatter, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZx486	Archaeological-chipped stone	Shaw/Borchert, 1987	Not Eligible	None	None	1
	32MZx531	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
	32MZx532	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
145/98-22	32MZ591	Archaeological-cultural material	Persinger/Floodman,	Unevaluated	None	None	4

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
		scatter, projectile point, Hanna point base, chipped stone	1981				
145/98-24	No Sites						
145/98-25	32MZ1448	Archaeological-cultural material chipped stone	Klinner, 1998	Unevaluated	None	None	2
	32MZx909	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx910	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx911	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx912	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx916	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx919	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
145/98-26	32MZx914	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
145/98-27	No Sites						
145/98-28	32MZ594	Archaeological-cultural material scatter, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ595	Archaeological-cultural material scatter, projectile point, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ596	Archaeological-cultural material scatter, chipped stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZ1561	Historic-Linear WAPA Transmission Line	Fandrich, 2001	Not Eligible	None	None	1
	32MZ1646	Archaeological-cultural material scatter, chipped stone	Floodman, 2004	Unevaluated	None	None	4
	32MZ1647	Archaeological-cultural material scatter, fire cracked rock, chipped stone	Floodman, 2004	Eligible	None	None	4
	32MZx131	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx132	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx133	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
145/98-29	32MZ574	Archaeological-cultural material scatter, projectile point, chipped stone	Carino/Metz, 1981	Unevaluated	None	None	4
	32MZ575	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Unevaluated	None	None	4

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
	32MZ576	Archaeological-cultural material scatter, projectile point, chipped stone	Olson, 1992	Unevaluated	None	None	2
	32MZ577	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Unevaluated	None	None	5
	32MZ578	Archaeological-cultural material scatter, chipped stone	Floodman, 1981	Not Eligible	None	None	1
	32MZ585	Archaeological-cultural material scatter, projectile point, chipped stone, possible cairn	Floodman, 2004	Unevaluated	Yes	Yes	4
	32MZ652	Archaeological-cultural material scatter, chipped stone	Moore, 1982	Unevaluated	None	None	2
	32MZ1137	Archaeological-chipped stone, cultural material scatter, projectile point	Olson, 1992	Unevaluated	None	None	5
	32MZ1561	Historic-Linear WAPA Transmission Line	Fandrich, 2001	Not Eligible	None	None	1
	32MZ1816	Archaeological-cultural material scatter, chipped stone	Barth, 2007	Unevaluated	None	None	4
	32MZx130	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx424	Archaeological-chipped stone	Olson, 1997	Not Eligible	None	None	1
	32MZx425	Archaeological-projectile point, side notched	Olson, 1992	Not Eligible	None	None	1
	32MZx426	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx427	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx428	Archaeological-chipped stone	Olson, 1992	Not Eligible	None	None	1
	32MZx533	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
	32MZx534	Archaeological-chipped stone	Metz/Carino, nd	Not Eligible	None	None	1
	32MZx535	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
	32MZx536	Archaeological-chipped stone	Metz/Carino, nd	Not Eligible	None	None	1
	32MZx537	Archaeological-chipped stone	Metz/Carino, nd	Not Eligible	None	None	1
	32MZx538	Archaeological-chipped stone	Metz/Carino, nd	Not Eligible	None	None	1
	32MZx1056	Archaeological-chipped stone	Barth, 2007	Not Eligible	None	None	1
145/98-30	32MZ579	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Unevaluated	None	None	4

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
	32MZ580	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Not Eligible	None	None	4
	32MZ581	Archaeological-cultural material scatter, chipped stone	Persinger, 1981	Unevaluated	None	None	4
	32MZ582	Archaeological-cultural material scatter, ground stone	Metz/Carino, 1981	Unevaluated	None	None	4
	32MZx539	Archaeological-chipped stone	Metz/Carino, nd	Not Eligible	None	None	1
	32MZx633	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
	32MZx634	Archaeological-chipped stone	Persinger, nd	Not Eligible	None	None	1
145/98-31	No Sites						
145/98-32	32MZ452	Archaeological-chipped stone, rock features	Volk, 1980	Unevaluated	None	None	2
	32MZ897	Architectural-Rather homestead	Friedman, 1987	Unevaluated	None	None	2
145/98-33	32MZ560	Archaeological-cultural material scatter, chipped stone	Stanley, 1981	Unevaluated	None	None	5
	32MZ1461	Archaeological-cultural material scatter, chipped stone	Stanley, 1981	Unevaluated	None	None	5
	32MZx232	Archaeological-chipped stone	Stanley, 1981	Not Eligible	None	None	1
	32MZx234	Archaeological-chipped stone	Stanley, 1981	Not Eligible	None	None	1
145/98-34	32MZ1005	Archaeological-cultural material scatter, ceramics, faunal remains, fire cracked rock, projectile point, chipped stone	Martorano/Killam, 1989	Unevaluated	None	None	4
	32MZ1006	Archaeological-Little Knife quarry, cultural material scatter, quarry/mind, chipped stone	Martorano/Killam, 1989	Not Eligible	None	None	4
	32MZ1461	Archaeological-cultural material scatter, chipped stone	Stanley, 1981	Unevaluated	None	None	5
	32MZ1462	Archaeological-cultural material scatter, chipped stone	Runge, 1999	Not Eligible	None	None	5
	32MZ1463	Archaeological-cultural material scatter, chipped stone	Runge, 1999	Not Eligible	None	None	5
	32MZ1561	Historic-Linear WAPA Transmission Line	Fandrich, 2001	Not Eligible	None	None	1
	32MZx487	Archaeological-chipped stone	Martorano/Killam,	Not Eligible	None	None	1

Attachment 1: Results of Site Files Search Dunn Lateral BakkenLink Pipeline, North Dakota							
T/R-Section	SITS #	Site Type & Description	Recorder, Date	National Register Status	Testing	Shovel Probes	Management Recommendation
			1989				
145/98-35	32MZ629	Archaeological-cultural material scatter, chipped stone	Montgomery, 1982	Unevaluated	None	None	3
	32MZ1005	Archaeological-cultural material scatter, ceramics, faunal remains, fire cracked rock, projectile point, chipped stone	Martorano/Killiam, 1989	Unevaluated	None	None	4
	32MZ1449	Archaeological-chipped stone, cultural material scatter	Klinner, 1998	Unevaluated	None	None	2
	32MZ1504	Architectural-Seventh Day Adventist Church and Cemetery	Bentley, 1999	Unevaluated	None	None	2
	32MZx235	Archaeological-chipped stone	Montgomery, 1982	Not Eligible	None	None	1
	32MZx303	Archaeological-chipped stone	Martorano/Killiam, 1989	Not Eligible	None	None	1
	32MZx304	Archaeological-chipped stone	Martorano/Killiam, 1989	Not Eligible	None	None	1
	32MZx917	Archaeological-chipped stone	Klinner, 1998	Not Eligible	None	None	1
	32MZx918	Archaeological-chipped stone	Klinner, 1989	Not Eligible	None	None	1
	32MZx925	Archaeological-chipped stone	Klinner, 1989	Not Eligible	None	None	1
145/98-36	32MZx488	Archaeological-chipped stone	Martorano/Killiam, 1989	Not Eligible	None	None	1

File Search Performed By:	File Search Typed By:
Name, Date	Name, Date
D. Bailly, April, 2011	D. Bailly, April, 2011

Attachment 2:
Results of Files Search
Manuscript List of Cultural Resource Inventories

Attachment 2: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
MS #	Reference
124	Lahren, L. 1977 Extensive Cultural Resource Evaluations on Selected Drill Site locations in the Nation Grasslands of North And South Dakota, Slope County, Billings County, and Stark County, North Dakota
209	Schneider, F. 1977 Gulf Oil Corporation Well #2-25-2B Location Survey, McKenzie County, North Dakota
755	Kuehn, D. 1979 Spring Developments and Pipelines Survey Report, McKenzie County, North Dakota
1034	Kuehn, D. 1979 Glovatsky Dugout Survey Report, McKenzie County, North Dakota
1362	Simon, A. and L. Loendorf 1980 McKenzie Rural Electric Cooperative 115 kV Transmission Line Survey, McKenzie County, North Dakota
1597	Steele, C. 1981 Adobe Oil and Gas Proposed Well Location and Access Route Survey, Dunn County, North Dakota
1770	Simon, A. and L. Loendorf 1981 McKenzie Electric Cooperative, Inc., REC Line Survey, McKenzie County, North Dakota
1826	Simon, A. 1981 McKenzie Electric Cooperative REC 1154 kV Bicentennial to Charlie Creek Line, McKenzie County, North Dakota
2066	Simon, A. and L. Loendorf 1981 Ulteig Engineers, Inc., 115 kV Line Survey, McKenzie County and Billings County, North Dakota
2117	Montgomery, S. 1981 Basin Electric Power Cooperative Charlie Creek 345 KV Transmission Line Survey, McKenzie County, North Dakota
2228	Loendorf, L. and J. Borchert 1980 Class III Intensive Inventory for All Cultural Resources for the Proposed Amoco Pipeline Company's Gathering Line Through Portions of Billings and Dunn Counties, North Dakota
2229	Loendorf, L. and A. Simon 1979 Montana-Dakota Utilities: Killdeer Pipeline Survey, Billings and Dunn County, North Dakota
2252	Stanley, L. 1981 A Class III Intensive Inventory for All Cultural Resources Along a 100 degree Corridor for the Proposed West Plains Electric Charlie Creek-Four Eyes 115 kV Overhead Transmission Line in Billings County, North Dakota
2253	Simon, A. and L. Loendorf 1979 The Cultural Resource Survey of the Proposed Gathering Lines for Western North Dakota Amoco Pipeline Company, Billings County, McKenzie County, and Dunn County, North Dakota
2255	Simon, A. and J. Pearson 1981 A Class III Intensive Inventory for All Cultural Resources for Proposed Montana-Dakota Utilities Killdeer Lateral Pipeline, Dunn County, North Dakota
2446	Rippeteau, B. 1980 Cultural Resource Survey Addendum for Adobe Oil and Gas Killdeer 41-4, Dunn County, North Dakota
2454	Rippeteau, B. 1981 Patrick Petroleum Block Survey Sections 20, 21, 29, 30, T145N, R98W, McKenzie County, North Dakota
2675	Montgomery, S. and A. Simon 1982 Cultural Resource Inventory Report Little Knife Discharge Pipeline Through Portions of Sections 18, 19, 20, 29 and 33, T145N, R98W, and Section 13, T145N, R99W, McKenzie County, North Dakota

Attachment 2: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
MS #	Reference
2762	Borchert, J. 1983 Basin Electric Charles Creek Line, Sites UND-1 Through 22 Update, McKenzie County and Dunn County, North Dakota
2877	Lahren, L. 1982 Grassy Butte URD Additions, McKenzie Electric Cooperative, Billings County and McKenzie County, North Dakota
3455	Root, M. and M. Gregg 1983 Archeology of the Northern Border Pipeline, North Dakota: Volume 2, Parts. 1-3 Survey and Background Information, McIntosh, Emmons, Morton, Stark, Mercer, Dunn, McKenzie, and Williams Counties, North Dakota
3600	Borchert, J. 1984 Cultural Resource Survey of a Portion of the Access to the Diamond Shamrock DSEC 23-3 Clements Tachenko, Billings County, North Dakota (UW #742)
4319	Metcalf, M. and K. Schweigert 1987 Cultural Resources Investigations on the North Dakota Segment of the Exxon Company, USA Bairoil – Dakota CO2 Pipeline Project, Golden Valley, Billings, Stark, Dunn, McKenzie, and Williams Counties, Western North Dakota Volumes 1 and 2
4506	Borchert, J. 1988 MDU-Basin Charlie Creek to Williston 230 kV Electric Transmission Line, Williams and McKenzie Counties, North Dakota (UW #1016)
4744	Martorano, M., D. Killam and P. Friedman 1990 Class I Literature Search and Class III Intensive Inventory Charlie Creek to Belfield 345 KV Transmission Line Project, Stark, McKenzie, Dunn, and Billings Counties, North Dakota
4878	Burbidge, G. and J. Borchert 1989 Killdeer Reservoir SWC Project 237-25 Cultural Resource Inventory, Dunn County, North Dakota (UW# 1235)
4907	Martorano, M. 1989 Cultural Resources Survey, Charlie Creek to Belfield Transmission Line Project in McKenzie County, North Dakota. (Little Missouri National Grasslands)
5077	Floodman, M. 1990 Pheasants Forever Grain Cultivation Plot McKenzie District, Little Missouri National Grasslands Section 33 T145N R98W McKenzie County, North Dakota
5161	Newberry, G. and B. L. Olson 1991 Western Area Power Administration Charlie Creek-Belfield Transmission Line Project: Results of Limited Testing at Four Prehistoric Sites in Billings and McKenzie Counties, North Dakota
5249	Floodman, M. 1990 Pasture 15-1 Riparian Pipeline and Tank McKenzie District, Little Missouri National Grasslands Section 25 T145N R99W and Section 30 T145N R98W McKenzie County, North Dakota
5365	Floodman, M. 1990 Charlie Carson Dam #3 McKenzie District, Little Missouri National Grasslands Sections 23 and 24, T145N, R98W McKenzie County, North Dakota
5477	Karsmizki, K. 1991 U308 Uranium Industry Context Statement. Adams, Slope, Golden Valley, Billings, Bowman, Dunn, and Stark Counties, North Dakota
5539	Floodman, M. 1991 Schroeder Spring Development Section 27, T145N R98W McKenzie District, Little Missouri National Grasslands McKenzie County, North Dakota
5570	Blikre, L. and J. Borchert 1991 Dunn County Bridge Number 110-29 Structure and Approaches Cultural Resource Inventory UW#1450
5711	Borchert, J. and L. Blikre

Attachment 2: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
MS #	Reference
	1992 Final Report of Evaluative Testing at 32DU1032 UW#1477
5830	Olson, B. 1992 REA Line 310, Underground Powerline Cultural Resources Inventory McKenzie County, North Dakota
6146	Borchert, J. 1993 Consolidated Telephone Grassy Butte Exchange #1-10 Cable Routes Class III Reconnaissance Inventory McKenzie, Dunn and Billings Counties UW #1676
6769	Kulevsky, A. 1996 KLJ/CTC Grassy Butte Telephone Exchange: A Class II and Class III Cultural Resource Inventory in Dunn and McKenzie Counties, North Dakota
7010	Wermers, G. 1997 County Road Improvement Project in Dunn County, North Dakota. Federal Aid Project Number: SC-1305 (51) UW#2001
7254	Klinner, D. 1998 Quantum Geophysical, Inc. Seismic Line in Sections 11, 12, 14, 23, 24, 25, 26, and 35, T145N, R98W, McKenzie County, North Dakota. UW #2117
7427	Morrison, J. 1999 Grassy Butte Cable Route: A Class III Cultural Resource Inventory, Billings, Dunn and McKenzie Counties, North Dakota
7759	Klinner, D. 2000 Petro-Hunt LLC Federal 35A-4-1 Well Pad and Access Road in McKenzie County, North Dakota. UW#2235
8223	Bluemle, W. 2002 Killdeer Exchange: A Class II and III Cultural Resource Inventory, Dunn County, North Dakota
8448	Morrison, J. 2003 North Dakota Highway 22 From Killdeer to Lost Bridge: A Class III Cultural Resource Inventory, Dunn County, North Dakota
8884	Fandrich, B. 2004 Williston to Charlie Creek: A Cultural Resource Inventory Along the Western Area Power Administration 115kV Transmission Line From the Williston Substation to the Charlie Creek Substation, Williams and McKenzie Counties, North Dakota.
8931	Stine, E. 2004 Killdeer 115kV Transmission Line: A Class III Cultural Resource Inventory Near Killdeer North Dakota in Dunn County, North Dakota
9212	Bleier A. 2005 2005 State Wide Forest land Enhancement Program Sites in Burleigh, Dunn, Emmons, Stark, Stutsman, and Walsh Counties, North Dakota: A Class III Cultural Resource Inventory
9860	Klinner, D. 2006 Gerald Tuhy 21-4H Well Pad and Access Road: A Class Iii Cultural Resource Inventory, Dunn County, North Dakota
9938	Hiemstra, D. 2006 Grassy Butte Testing and Survey: A Cultural Resource Evaluation of 3 Sites and 1 Site Lead and A Cultural Resource Inventory of Access Roads and Realignment for the Proposed Rebuild of WAPA's Williston to Charlie Creek 115 kV Transmission Line in McKenzie County, North Dakota
9959	Klinner, D. 2007 Gerald Tuhy 21-4H Access Road: A Class III Cultural Resource Inventory in Dunn County, North Dakota
10044	Barth, A. and W. Bluemle 2007 Continental's Jost 1-20H: A Class III Cultural Resources Inventory in McKenzie County, North Dakota
10128	Hufstetler, M., and J. Goff

Attachment 2: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
MS #	Reference
	2005 Historic Bridges in North Dakota 2004 Revision
10404	Bluemle, W. 2008 Hawkeye 41-11H: A Cultural Resource Inventory in Dunn County, North Dakota
10642	Kordecki, C., C. Jackson, J. Neary, and D. Toom 2008 Southwest Water Pipeline Project, Medora-Beach Regional Service Area, Phase 3, 2007 Cultural Resources Inventories: Report on the South Fryburg Service Area, Fairfield Service Area & the Trotters Pocket, Billings, Dunn, Stark & Golden Valley Counties, North Dakota
10758	Hiemstra, D. and L. France 2008 Killdeer 115 kV Transmission Line: A Class III Cultural Resource Inventory Near Killdeer North Dakota in Dunn County, North Dakota
10764	Pollman, J. 2008 Ivan Hecker USA #41-6H Well Pad: A Class III Cultural Resource Inventory, Dunn County, North Dakota
10765	Pollman, J. 2008 Casey Kukla USA #21-6H Well Pad: A Class III Cultural Resource Inventory, Dunn County, North Dakota
10881	France, E., D. Hiemstra, and E. Stine 2009 Addendum to the Killdeer 115 kV Transmission Line: A Class III Cultural Resource Inventory Near Killdeer North Dakota in Dunn County: Access Roads, Reroute and Substation
11276	Leuchtman, A. 2009 Highway 85 From ND Highway 200 to ND Highway 2: A Class III Cultural Resource Inventory, McKenzie and Williams Counties, North Dakota
11453	Burns, W. and G. Jakel 2010 Dunn County Bridge (13-106-34.0) Survey: A Class III Cultural Resource Inventory in Dunn County, North Dakota
11540	Jackson, M. and D. Toom 2010 Dunn County 2010 Gartner Road Construction Project Class III Cultural Resources Survey Dunn County, North Dakota
11791	France, E. and D. Reinhart 2010 Bridger Pipeline Project: Class I and III Cultural Resource Investigations in Western North Dakota, Dunn, Billings, McKenzie Counties
12014	Kulevksy, A. 2010 Addendum 2 to Bridger Pipeline: Class I and III Cultural Resource Investigations in Western North Dakota, Dunn and McKenzie Counties: Four Reroutes

Attachment 3:
Results of Files Search
Cultural Resource Inventories by Township and Range

Attachment 3: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
T/R-Section	Manuscript #
140/99-1	124
140/99-2	124, 5477
140/99-3	124, 5477
140/99-4	124, 7633
140/99-9	124, 7633
140/99-10	124
140/99-11	No Survey
140/99-12	No Survey
140/99-13	No Survey
140/99-14	No Survey
140/99-15	No Survey
140/99-16	7633
140/99-21	7633
140/99-22	No Survey
140/99-23	No Survey
140/99-24	9212
144/96-4	1597, 2228, 2446, 8223, 9860, 9959
144/96-5	8223, 9959
144/96-6	8223, 9959, 10764, 10765, 11791
144/97-1	2762, 9959, 11791
144/97-2	2762, 11791
144/97-3	4319, 10128, 11453
144/97-4	2229, 7427, 11453
144/97-5	2229
144/97-6	10642
144/98-1	2229, 4744, 5161, 10642
144/98-2	2229
144/98-3	7427
144/98-4	6146
144/98-5	10642
144/98-6	2253, 7427, 10642
144/98-7	No Survey
144/98-8	No Survey
144/98-9	No Survey
144/99-1	2253
144/99-2	2252, 2253, 3600, 10642
144/99-3	No Survey
145/95-15	2228, 2255, 8223, 8448, 10881
145/95-16	2228, 2229, 3455, 10758, 10881
145/95-17	2229
145/95-18	2229
145/95-19	No Survey
145/95-20	2228, 8223
145/95-21	2228, 3455, 10758, 10881
145/95-22	4878, 8223, 8448, 10758, 10881
145/95-27	8223, 8931, 10758
145/95-28	3455
145/95-29	2228, 8223
145/95-30	8223
145/95-31	2228, 8223
145/95-32	2228

Attachment 3: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
T/R-Section	Manuscript #
145/95-33	3455
145/95-34	8223
145/96-7	7010, 7427
145/96-8	7010
145/96-9	5570, 5711
145/96-10	4319, 5570, 6146, 7427, 11540
145/96-11	10404
145/96-13	2229
145/96-14	10128
145/96-19	7010, 7427
145/96-20	7010, 7427
145/96-21	2229, 4319, 7427
145/96-22	2229, 4319, 6146
145/96-23	2229, 10128
145/96-24	2229, 8223
145/96-25	8223
145/96-26	No Survey
145/96-27	No Survey
145/96-28	2229, 4319
145/96-29	2229, 4319
145/96-30	4319, 7427
145/96-31	2229, 2762, 4319, 7427
145/96-32	2229
145/96-33	No Survey
145/96-34	9959, 11791, 12014
145/96-35	9959
145/96-36	9959
145/97-19	2253
145/97-20	6769
145/97-21	No Survey
145/97-22	10642
145/97-23	No Survey
145/97-24	No Survey
145/97-25	No Survey
145/97-26	No Survey
145/97-27	No Survey
145/97-28	No Survey
145/97-29	6769, 7427
145/97-30	7427
145/97-31	2762, 6146
145/97-32	2762, 4744, 7427
145/97-33	2762, 4744
145/97-34	2762, 10642
145/97-35	2762
145/97-36	2229, 2762
145/98-21	2454, 4506
145/98-22	No Survey
145/98-24	2253, 5365, 7254
145/98-25	209, 1034, 1770, 2253, 7254
145/98-26	2253, 7254
145/98-27	4506, 5539, 5830

Attachment 3: Results of Manuscript Files Search, Dunn Lateral - Bakkenlink Pipeline, North Dakota	
T/R-Section	Manuscript #
145/98-28	5830, 8884, 9938
145/98-29	1362, 1826, 2675, 2877, 5830, 8884, 9938, 10044, 11276
145/98-30	755, 1362, 2454, 5249, 8884, 10044
145/98-31	755, 2253, 4744
145/98-32	2253, 4744
145/98-33	2066, 2252, 2675, 4744, 5077, 5830
145/98-34	2762, 4744, 5161, 7427
145/98-35	2117, 2253, 2762, 4744, 4907, 5161, 7254, 7759
145/98-36	2762, 4744

Attachment 4:
Layout Maps
Depicting Pipeline Routes,
Recorded Sites and Locations of Previous Inventories