

## **TAB 4 – Route Certificate Application Exhibits**

Appendix 4.A Archaeological and Cultural Assessment Reports (Beaver Creek Archaeology)  
Appendix 4.B Maps of Exclusion and Avoidance Areas – See Map Book  
Appendix 4.C Landowner List  
Appendix 4.D State Sensitive Species & Rankings

### APPENDIX 4.C LANDOWNER LIST

#### Williams County

Section	Twp	Range	Owner	Address	City, State, ZIP
6	152N	102W	IVA BAUSTE DEAN BAUSTE	15224 40TH ST NW	WILLISTON ND 58801
0	152N	103W	DEAN & PAM BAUSTE	15224 40TH ST NW	WILLISTON ND 58801
0	152N	103W	ROGER & BETTY DAHL TRUST ROGER & BETTY DAHL, TRUSTEES	3306 SE BAYPOINT DR	VANCOUVER WA 98683-3018
0	152N	103W	STEVEN & PAULETTE OSTER	408 8TH AVE W	WILLISTON ND 58801
1	152N	103W	LEE T SANDVIK ETAL LORNA SKAVLEM	1549 10TH AVE E	W FARGO ND 58078-5200
0	153N	102W	KEITH JOHNSRUD	4236 147TH AVE NW	WILLISTON ND 58801
31	153N	102W	CLARICE A JOHNSRUD ETAL FIRST NATIONAL BANK TRUST DEPT	PO BOX 1827	WILLISTON ND 58802-1827
31	153N	102W	GERALD C OSTERLUND	14637 42ND ST NW	WILLISTON ND 58801-8646
2	153N	103W	ROBERT B & TERYL GANNAWAY	14246 56TH ST NW	WILLISTON ND 58801
11,14,25	153N	103W	FLORENCE (LIFE ESTATE) IRWIN	14899 44TH LN NW	WILLISTON ND 58801-9336
13	153N	103W	LOREN A & LAVON J IRWIN	14901 44TH LN NW	WILLISTON ND 58801-9335
13,23,24	153N	103W	LAZY ROCKIN R RANCH LLP	14783 44TH LN NW	WILLISTON ND 58801-9337
25	153N	103W	DANIEL T & DEBRA ANN BEARCE	4253 147TH AVE NW	WILLISTON ND 58801
25	153N	103W	GN RAILWAY CO	193 PENNSYLVANIA AVE E	ST PAUL MN 55130
25	153N	103W	STATE OF NORTH DAKOTA	STATE CAPITAL	BISMARCK ND 58505
25,36	153N	103W	STEVEN D OSTER	408 8TH AVE W	WILLISTON ND 58801
36	153N	103W	SHADOW INDUSTRIES LLP	4237 147TH AVE NW	WILLISTON ND 58801

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
3,4,5,30	154N	102W	STEVE & LOIS MORTENSON	808 11TH ST W	WILLISTON ND 58801-4830
26,27	154N	102W	BRADLEY J & MARILYN E OLSON	1203 UNIVERSITY AVE	WILLISTON ND 58801-4423
26,27	154N	102W	STATE OF NORTH DAKOTA	STATE CAPITOL	BISMARCK ND 58501
27	154N	102W	RAYMOND & CLARA PAPINEAU	14330 HWY 2	WILLISTON ND 58801-9006
27,28	154N	102W	RODNEY & DAWN LEDAHL	14737 HWY 2 W	WILLISTON ND 58801
27,29	154N	102W	FRED E MARTIN	14425 HIGHWAY 1804	WILLISTON ND 58801-8640
35	154N	102W	BANNER TRANSPORTATION CO LLC	PO BOX 3866	ENID OK 73702-3866
35	154N	102W	GERALD L & CHERYL A HALVORSON	PO BOX 1894	WILLISTON ND 58802-1894
35	154N	102W	TERRANCE G LEONHARDY TRUST ANNA REMSBURG	502 14TH AVE W	WILLISTON ND 58801
2	154N	103W	JAY PETER HELLER	5247 142ND DRIVE NW	WILLISTON ND 58801
2	154N	103W	RONALD O & ELEANOR F HELLER	621 14TH AVE W	WILLISTON ND 58801
2,11	154N	103W	KENNETH A & JUDY L ANDERSON	2214 S HERALD RD	SPOKANE WA 99206-3323
7,8,9, 25,26	154N	103W	STEVE & LOIS MORTENSON	808 11TH ST W	WILLISTON ND 58801
11	154N	103W	DUANE A & NANCY ANDERSON	PO BOX 2491	WILLISTON ND 58802-2491
13	154N	103W	DANIEL G ANDERSON	5166 148TH AVE NW	WILLISTON ND 58801
13,14,24	154N	103W	WILLIAMS COUNTY	PO BOX 2047	WILLISTON ND 58802-2047
14	154N	103W	STEWART BILLINGS BEYER ANNA REMSBURG	502 14TH AVE W	WILLISTON ND 58801
23	154N	103W	REITEN TELEVISION COMPANY INC	PO BOX 1686	MINOT ND 58702-1686
23	154N	103W	STEVEN M & LOIS M MORTENSON	808 11TH ST W	WILLISTON ND 58801
23,26	154N	103W	STATE OF NORTH DAKOTA	STATE CAPITAL	BISMARCK ND 58505
35	154N	103W	ROBERT B & TERYL GANNAWAY	14246 56TH ST NW	WILLISTON ND 58801

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
6	155N	95W	BARRY & MELISSA RAMBERG	PO BOX 854	TIOGA ND 58852-0854
6	155N	95W	JAMES T IVERSON ETAL RAYMOND & DARREN IVERSON ETAL (CFD)	PO BOX 156	STANLEY ND 58784-0156
6	155N	95W	RAYMOND IVERSON ETAL	PO BOX 156	STANLEY ND 58784-0156
6	155N	95W	SALLY F IVERSON TRUST ETAL SALLY & ALAN IVERSON (TRUSTEES)	PO BOX 793	TIOGA ND 58852-0793
1	155N	96W	SALLY F IVERSON TRUST ETAL SALLY & ALAN IVERSON (TRUSTEES)	PO BOX 793	TIOGA ND 58852-0793
1,2	155N	96W	DEON & SHANA R IVERSON	5869 106TH AVE NW	TIOGA ND 58852
2	155N	96W	MYRON J IVERSON	5941 106TH AVE NW	TIOGA ND 58852
3	155N	96W	FIRST NATIONAL BANK TRUSTEE	PO BOX 1827	WILLISTON ND 58802-1827
3	155N	96W	RICHARD L NELSON TRUST RICHARD L NELSON TRUSTEE	10683 67TH ST NW	TIOGA ND 58852-9008
4	155N	96W	EMERY BOE	5896 109TH AVE NW	TIOGA ND 58852-9290
5,6	155N	96W	GARFIELD & MARLYS BERGSTROM	11165 62ND ST NW	RAY ND 58849
5,6	155N	96W	ROBERT J & IDA ANN SHELDON	10971 60TH ST NW	TIOGA ND 58852-9292
6	155N	96W	JUNE MARIE HAMERS	2033 N WASH ST BLDG 8 C4	BISMARCK ND 58501-7606
1	155N	97W	ELLEN & CHESTER (LIFE) HAMERS	317 BROADWAY	PALERMO ND 58769
1,2,11	155N	97W	MARTY M LIESENER	5880 112TH AVE NW	RAY ND 58849-9264
2,3,11	155N	97W	RONALD SCOTT & MARLYS OLSON	11228 60TH ST NW	RAY ND 58849
3,4	155N	97W	JEFF T & LINDA L KNOX	PO BOX 22	RAY ND 58849-0022
3,6	155N	97W	DONALD D BERGSTROM ETAL DAVID & COLLEEN BERGSTROM (CFD)	PO BOX 404	RAY ND 58849-0404
4,5,8	155N	97W	JEANNINE D COTE KIRKWOOD BANK-TRUST DEPT	PO BOX 6089	BISMARCK ND 58504

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
6	155N	97W	LESLIE BEAN	13251A HWY 1804	WILLISTON ND 58801-9257
11	155N	97W	DAVID HARTSOCH ETAL	5627 111TH AVE NW	RAY ND 58849-9261
1,2,9,10	155N	98W	LESLIE C & MARLA R BEAN	13251 A HWY 1804	WILLISTON ND 58801-9206
2	155N	98W	BRUCE E WHEELER ETAL	17315 SMOKEY PT BLVD #18	ARLINGTON WA 98223
3	155N	98W	JEROME D ENGEL	420 4TH AVE E	RAY ND 58849-4913
3	155N	98W	RODNEY A JOHNSON	5883 120TH AVE NW	RAY ND 58849-9213
3	155N	98W	TRAVIS & PAULA J BERGSTROM	420 4TH AVE E	RAY ND 58849-4913
7	155N	98W	EUGENE C VANDEBERG	PO BOX 76	EPPING ND 58843-0076
8	155N	98W	SHARON SANDERS LAMBERT ETAL	5023 91ST AVE W	UNIVERSITY PL WA 98467
9	155N	98W	CHRISTOPHER D & TAMARA NELSON	1220 W 9TH AVE	WILLISTON ND 58801
9	155N	98W	JEAN C NELSON	1516 N MAIN	WILLISTON ND 58801-4241
10	155N	98W	KEITH JOHNSON	5893 120TH AVE NW	RAY ND 58849
1,2,3,4,12	155N	99W	CRAIG & DANIELLE MOEN	12565 59TH LANE NW	EPPING ND 58843
2	155N	99W	EPPING ND MEADOWS LLC	PO BOX 79	EPPING ND 58843
3	155N	99W	ROSE MARIE HALVORSON	PO BOX 3	ALAMO ND 58830-0003
4	155N	99W	GN RAILWAY CO	193 PENNSYLVANIA AVE E	ST PAUL MN 55101
4,5	155N	99W	SCOTT ALEXANDER	112 2ND ST	SPRINGBROOK ND 58843
5	155N	99W	DOROTHY (LIFE EST) MORTENSON	2924 B UNIVERSITY AVE	WILLISTON ND 58801-3010
6	155N	99W	DONALD A CHRISTOPHERSON ETAL	12669 HIGHWAY 2	EPPING ND 58843-9548
12	155N	99W	VICTORIA ELLINGSON	806 6TH AVE W	WILLISTON ND 58801
1	155N	100W	DONALD A CHRISTOPHERSON ETAL	12669 HIGHWAY 2	EPPING ND 58843-9548
1,2	155N	100W	WADE A & MELISSA SMITH	6094 HWY 85 N	WILLISTON ND 58801

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3	155N	100W	METZGER/ROBINSON PARTNERSHIP FIRST INTL BANK & TRUST, AGENT	PO BOX 1967	MINOT ND 58702-1967
3	155N	100W	WILLIAMS COUNTY	PO BOX 2047	WILLISTON ND 58802-2047
2,3	155N	102W	GLENN H JORGENSON ETUX	5755 145TH AVE NW	WILLISTON ND 58801-9035
3	155N	102W	BLAINE E & JENNIFER JORGENSON	5757 145TH AVE NW	WILLISTON ND 58801
3,4	155N	102W	THOMAS A LAYON ETAL BEVERLY CHRISTIANSON	823 3RD AVE E	WILLISTON ND 58801
4,18	155N	102W	HAAKON JR & LORI JORGENSON	5598 145TH AVE NW	WILLISTON ND 58801-9033
5	155N	102W	RALPH (LIFE ESTATE) HANSON	1305 13TH AVE W	WILLISTON ND 58801
6	155N	102W	CURTIS O HANSON	1511 ROSE LANE	WILLISTON ND 58801
7	155N	102W	LARRY D & TONI JORGENSON	PO BOX 1184	WILLISTON ND 58802-1184
13,24	155N	103W	DAVID & JANICE ARNSON	1816 CREST ST	WILLISTON ND 58801
24,25	155N	103W	JAMES LARSON	14677 56TH ST NW	WILLISTON ND 58801-9572
25	155N	103W	JIM A & SUSAN LARSON	14677 56TH ST NW	WILLISTON ND 58801-9572
25,35	155N	103W	LEVIN R & ARDIS BEAN	225 9TH ST E	WILLISTON ND 58801
26	155N	103W	LOIS ANN NELSON	534 BIG LAKE RD	HOMESTEAD MT 59242
18,19	156N	95W	LESTER MOE TRUST ETAL MELVIN MOE	8265 E SOUTHERN #463	MESA AZ 85209-3536
19	156N	95W	ADELIN KHAM ETAL	4440 37TH AVE S APT 207	FARGO ND 58104-7578
19	156N	95W	HELENE H OLSON ETAL	PO BOX 1167	TIOGA ND 58852-1167
19,29,30	156N	95W	HAROLD E & IONE L SCHMIDT	6167 104TH AVE NW	TIOGA ND 58852-9260
29,31,32	156N	95W	RYAN M & JENICE DAVIDSON	PO BOX 277	TIOGA ND 58852-0277
32	156N	95W	AMERADA HESS CORPORATION C/O KE ANDREWS & CO	1900 DALROCK RD	ROWLETT TX 75088-5526

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32	156N	95W	BANNER TRANSPORTATION COMPANY	PO BOX 3866	ENID OK 73702-5103
32	156N	95W	MARY C DAVIDSON	PO BOX 277	TIOGA ND 58852-0277
32	156N	95W	ND LAND HOLDINGS LLC MERIT APPRAISAL & TAX CONSULTING	PO BOX 330	GAINESVILLE TX 76241
32	156N	95W	RAYMOND DILLAND CONNIE DILLAND	1733 KEMAH VILLAGE DR	KEMAH TX 77565
33	156N	95W	CLINTON H & VERA M BERGSTROM	5970 102C AVE NW	TIOGA ND 58852-9230
33	156N	95W	HAZEL RAMBERG ETAL	PO BOX 1000	TIOGA ND 58852-1000
33	156N	95W	INC CONTINENTAL RESOURCES	PO BOX 269091	OKLAHOMA CITY OK 73126
33	156N	95W	MARILYN ARCHER	213 14TH ST E	WILLISTON ND 58801
33	156N	95W	MARY SCHROEDER	8415 COUNTY 21	MCGREGOR ND 58755-9451
33	156N	95W	ROBERT D WEERTS	PO BOX 2721	WILLISTON ND 58802-2721
34	156N	95W	CLINTON H BERGSTROM ETUX	5970 102C AVE NW	TIOGA ND 58852-9230
34,35	156N	95W	THOMAS & DONNA HAUSTVEIT	PO BOX 1360	TIOGA ND 58852-1360
35	156N	95W	THOMAS D & DONNA K HAUSTVEIT	PO BOX 1360	TIOGA ND 58852-1360
36	156N	95W	STATE OF NORTH DAKOTA	STATE CAPITAL	BISMARCK ND 58505
2	156N	96W	MELVIN A & SHIRLEY A MOE	8265 E SOUTHERN #463	MESA AZ 85209-3536
2,11	156N	96W	DONNA M (LIFE ESTATE) SKISTAD	6562 106TH AVE NW	TIOGA ND 58852-9005
11,12	156N	96W	JOHN APPELEN	3790 EDGEWATER DR	GARY SD 57237-5528
12,13	156N	96W	JOANN M BECKER	PO BOX 73	TIOGA ND 58852-0073
12,13	156N	96W	STATE OF NORTH DAKOTA	STATE CAPITOL	BISMARCK ND 58505
13	156N	96W	MYRTLE G ANDERSON	1823 15TH AVE W	WILLISTON ND 58801
27,28,29,33,34	156N	100W	METZGER/ROBINSON PARTNERSHIP FIRST INTL BANK & TRUST, AGENT	PO BOX 1967	MINOT ND 58702-1967

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30,31	156N	100W	WADE A & MELISSA C SMITH	6094 HWY 85 N	WILLISTON ND 58801
34	156N	100W	WILLIAMS COUNTY	PO BOX 2047	WILLISTON ND 58802-2047
25,35	156N	101W	DANA & NANCY DENNERT	11821 391ST AVE	COLUMBIA SD 57433
26	156N	101W	DOROTHY L & LYLE D KUESTER MOLINE FARMS	6109 HWY 85	WILLISTON ND 58801-8927
26	156N	101W	LYLE D & DOROTHY L KUESTER	6109 HIGHWAY 85	WILLISTON ND 58801-8927
26	156N	101W	THOMAS J HOLMES	903 8TH AVE W	WILLISTON ND 58801
27	156N	101W	LOWELLA (LIFE ESTATE) CLARIN	2016 E 3RD AVE	WILLISTON ND 58801
27,28,29	156N	101W	NORTH AMERICAN EARTH PROD LLC	1523 9TH AVE W	WILLISTON ND 58801
27,30	156N	101W	TYRONE TOWNSHIP		WILLISTON ND 58801
28	156N	101W	JAMES A & JUDY K SEIDEL	1523 9TH AVE W	WILLISTON ND 58801
28	156N	101W	TCN PROPERTIES LLC	1523 9TH AVE W	WILLISTON ND 58801
29	156N	101W	SPRING COULEE SCHOOL #77		WILLISTON ND 58801
29,30,36	156N	101W	WADE A & MELISSA C SMITH	6094 HWY 85 N	WILLISTON ND 58801
30	156N	101W	WILLIAMS COUNTY	PO BOX 2047	WILLISTON ND 58802-2047
35,36	156N	101W	STATE OF NORTH DAKOTA	STATE CAPITOL	BISMARCK ND 58505
25	156N	102W	JANET R HOLMES	430 4TH AVE W	WILLISTON ND 58801-5129
25	156N	102W	JEROME E ETZEL	1131 1ST AVE E	WILLISTON ND 58801
35	156N	102W	BETTY J BERGMAN ETAL	1407 35TH AVE SW	MINOT ND 58701-8425
36	156N	102W	MARK M OWAN	PO BOX 1251	WILLISTON ND 58802-1251
5	157N	95W	DORIS LANGAGER TRUST DORIS & TYRONE LANGAGER, TRUSTEES	1112 9TH ST SW	MINOT ND 58701-9109
5	157N	95W	GORDON LALIM	7252 106TH AVE NW	TIOGA ND 58852-9419

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
8	157N	95W	KJELVIK FAMILY TRUST ETAL BRUCE & BLANCHE KJELVIK, TRUSTEES	PO BOX 988	TIOGA ND 58852-0988
8	157N	95W	TYRONE O LANGAGER	1112 9TH ST SW	MINOT ND 58701-9109
17	157N	95W	GERHARD DELANO GRANRUD ETUX	PO BOX 607	NOONAN ND 58765-0607
17	157N	95W	SAM SR & JODIE L SAGASER	7015 107TH AVE NW	TIOGA ND 58852-9444
18,19	157N	95W	PATRICIA C NELSON ETAL	1000 W CENTURY AVE #371	BISMARCK ND 58503-0928
30	157N	95W	GN RAILWAY CO	193 PENNSYLVANIA AVE E	ST PAUL MN 55101
30	157N	95W	RAYMOND E & LILLIAN J SCHMIDT	10788 68TH ST NW	TIOGA ND 58852-9017
30	157N	95W	RICHARD L NELSON TRUST RICHARD L NELSON TRUSTEE	10683 67TH ST NW	TIOGA ND 58852-9008
31	157N	95W	RICHARD E & LINDA G SCHMIDT	10676 67TH ST NW	TIOGA ND 58852-9008
5	158N	95W	F KEVIN MCGINNITY	7783 TYLER ST NE	SPG LK PK MN 55432-2816
6	158N	95W	LEONARD D MCGINNITY	16362 EAST 8TH PLACE	AURORA CO 80011-7427
7	158N	95W	ELROY A SKARDERUD	PO BOX 410	CHESTER MT 59522-0410
8,17,32	158N	95W	EVELYN HOSETH FAMILY TRUST AMERICAN STATE BANK & TRUST, TRUSTEE	PO BOX 1446	WILLISTON ND 58802-1446
20,29	158N	95W	DONNA (LIFE ESTATE) EIDE	PO BOX 204	TIOGA ND 58852-0204
29	158N	95W	LORRAINE BINGEMAN	612 18TH ST W	WILLISTON ND 58801
29	158N	95W	SUSAN EISENZIMMER	1226 AUTUMN CT	GRAND FORKS ND 58201
32	158N	95W	STEPHEN T MEYER ETAL	11195 67TH ST NW	RAY ND 58849-9466
7,17,20	159N	95W	MYRTLE MCGREGOR	8161 104TH AVE NW	MCGREGOR ND 58755
17	159N	95W	JOYCE M RICHARDSON TRUST ETAL SIMONE LAUBENTHAL	7150 CANYON HILL WAY	SAN DIEGO CA 92126
17,20	159N	95W	STATE OF NORTH DAKOTA	STATE CAPITOL	BISMARCK ND 58505

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
18	159N	95W	ELAINA TANDE	1217 7TH ST S W	MINOT ND 58701
20	159N	95W	BANNER TRANSPORTATION COMPANY	PO BOX 3866	ENID OK 73702
20,29	159N	95W	MALCOLM D MCGREGOR	1617 E HILLCOURT	WILLISTON ND 58801
20,29,32	159N	95W	LEON & LARENA MCGINNITY	10711 79TH ST NW	MCGREGOR ND 58755-9586
32	159N	95W	DARREN J GOHRICK	10810 HWY 50	MCGREGOR ND 58755-9564

## McKenzie County

Section	Twp	Range	Owner	Address	City, State ZIP
19	150N	95W	DAVID A VEEDER	3131 GREGORY DRIVE	BILLINGS, MT 59102
19,20	150N	95W	MARLENE THOMPSON	10622 HIGHWAY 73	KEENE, ND 58847
4	150N	96W	JASON SCOTT SIGNALNESS	PO BOX 53	KEENE, ND 58847
4,5	150N	96W	LARRY & LOIS SIGNALNESS	2961 HIGHWAY 23	WATFORD CITY, ND 58854
4,9	150N	96W	GREGGORY G TANK	11053 34TH ST NW	KEENE, ND 58847
9,21	150N	96W	CURTIS E JOHNSON	11131 28TH ST NW	WATFORD CITY, ND 58854
13	150N	96W	LARRY VEEDER	905 HAWTHORN	REDWING, MN 55066
13,21	150N	96W	ROSALIE C VEEDER	2641 108TH AVE NW	WATFORD CITY, ND 58854
13,24	150N	96W	DAVID A VEEDER	3131 GREGORY DRIVE	BILLINGS, MT 59102
16	150N	96W	MARYANN JOHNSON	11131 28TH ST NW	WATFORD CITY, ND 58854
21,28	150N	96W	CRAIG A & CAROL K KIESON JT	11214 31ST ST NW	WATFORD CITY, ND 58854
24	150N	96W	TIMOTHY OLSON	10872 HIGHWAY 73	WATFORD CITY, ND 58854
25,26,27	150N	96W	DELMER L & MARCELLINE RINK	2322 BEAVER CREEK RD	WATFORD CITY, ND 58854
27	150N	96W	J DARREL & LEIGH KIRKLAND JT	2112 127 AVE NW	WATFORD CITY, ND 58854
7	151N	100W	DORA & LYLE BRATCHER	2041 HIGHWAY 68	ALEXANDER, ND 58831
13	151N	100W	JASON & PEGGY S LEISETH JT	3171 131ST AVE NW	ARNEGARD, ND 58835
13,14	151N	100W	PHILLIP R & DONNA M MOEN	BOX 732	ARNEGARD, ND 58835
14,22	151N	100W	GARY & BETTY A BRUINS JT	3001 134TH AVE NW	ARNEGARD, ND 58835
14,23	151N	100W	H ALFRED OR NORA WELTZIN TRUSTEES WELTZIN TRUST	S 6228 COUNTY J	VIROQUA, WI 54665
15,22	151N	100W	EDWIN H & JOYCELAINE C EVENSON TRUSTEES	P O BOX 66	ORO GRANDE, CA 92368

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16	151N	100W	STATE OF N DAK	P.O. BOX 5523	BISMARCK, ND 58506
17	151N	100W	JAMES, ALAN & LYLE BRUINS	2992 134 AVE NW	ARNEGARD, ND 58835
18	151N	100W	RUSSELL R & THERESA M TIMMRECK JT	1700 10TH AVE SE	MANDAN, ND 58554
22	151N	100W	MERTON L & JACQUELINE SCHWARTZ REV TRST & ELAINE S MARSHALL REV TRST	10575 LINDBROOK DRIVE	LOS ANGELES, CA 90024
1	151N	101W	LARRY J FORTHUN	13852 35TH ST NW	ALEXANDER, ND 58831
1	151N	101W	RUSSELL R & THERESA M TIMMRECK JT	1700 10TH AVE SE	MANDAN, ND 58554
7	151N	101W	ARTHUR M GAJEWSKI	14342 34TH STREET NW	ALEXANDER, ND 58831
8	151N	101W	CARMELINA LEE	3840 RIMROCK RD APT 3206	BILLINGS, MT 59102
8	151N	101W	KEITH GREEN	BOX 101	ALEXANDER, ND 58831
9,10	151N	101W	EDWARD BRATCHER	14801 34TH STREET NE	ALEXANDER, ND 58831
9,11	151N	101W	LYLE & EDWARD BRATCHER JT		
11	151N	101W	MYRNA RAE MONSON & DENNIS FORTHUN & DARRELL DEAN FORTHUN & DORA EDNA FORTHUN	1810 16TH AVE W	WILLISTON, ND 58801
12	151N	101W	DORA & LYLE BRATCHER	2041 HIGHWAY 68	ALEXANDER, ND 58831
12	151N	101W	LARRY J & TERESA FORTHUN JT	13852 35TH ST NW	ALEXANDER, ND 58831
2,11	151N	102W	REMSBURG FARMS LLC AND BEVERLY FORTHUN & CYNTHIA LEE & MARY NELSON LE	502 14TH AVE W	WILLISTON, ND 58801
3	151N	102W	CARMELINA & JAMES & LARRY LEE	1710 16TH AVE W	WILLISTON, ND 58801
3,4	151N	102W	STEVE PAPINEAU TRUST C/O FIRST NAT'L BANK & TRUST CO	BOX 1827	WILLISTON, ND 58802
5	151N	102W	LLOYD D PAPINEAU	1215 UNIVERSITY AVE	WILLISTON, ND 58801
6	151N	102W	SAFELY FAMILY TRUST 1ST INT'L BANK & TRUST	PO BOX 1088	WILLISTON, ND 58802

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State ZIP</b>
12	151N	102W	ETHEL GREEN IRWIN	24313 S LAKESTAR DR	SUN LAKES, AZ 85248
1	151N	103W	DEDRICK M & JANICE E IVERSON	14852 38TH ST NW	ALEXANDER, ND 58831
1,2	151N	103W	TERRY O'CONNOR ET AL	1627 PEOSTA AVE	HELENA, MT 59601
2,3	151N	103W	JANET K ANDERSON	3461 155TH AVE NW	CARTWRIGHT, ND 58838
3	151N	103W	DAVID & ALAN LASSEY	15371 36 <sup>TH</sup> STREET NW	CARTWRIGHT, ND 58838
4	151N	103W	HILAND OPERATING LLC	PO BOX 5103	ENID, OK 73702
4	151N	103W	DENNIS R & MARLEEN SKORPIL JT	15351 35TH ST NW	CARTWRIGHT, ND 58838
4	151N	103W	JAMES A & DIANA GULLIKSON	3492 157 AVE NW	CARTWRIGHT, ND 58838
4	151N	103W	WILLISTON BASIN INTERSTATE PIPELINE CO.	PO BOX 5650	BISMARCK, ND 58506
5	151N	103W	EDNA S MONSON FAMILY TRUST, EDNA S MONSON MARITAL DEDUCTION TR	MARK: 1100 17TH AVE # 205 ANDREW: 1235 WALKING STICK WAY	SEATTLE, WA 98122 RENO, NV 89523
4	151N	104W	CHARLES R & JULIE ANN FLYNN	15962 HIGHWAY 200	FAIRVIEW, MT 59221
4	151N	104W	HARLOW & ANNABELLE BIEBER REV TRUST	3591 159 AVE NW	FAIRVIEW, MT 59221
4	151N	104W	SCOTT M & ANITA L BUXBAUM JT	16041 34TH ST NW	FAIRVIEW, MT 59221
5	151N	104W	HAROLD SCHLOTHAUER	15922 30TH ST NW	FAIRVIEW, MT 59221
5	151N	104W	TIM & CHARLENE R LANGWALD JT	3781 HIGHWAY 58	FAIRVIEW, MT 59221
8	151N	104W	BANNER TRANSPORTATION COMPANY LLC	PO BOX 3866	ENID, OK 73702
8	151N	104W	MCKENZIE COUNTY	201 5TH STREET NW	WATFORD CITY, ND 58854
30,31,32	151N	96W	STEVEN D NELSON & WANDA A URAN-NELSON	11441 N FORK RD	WATFORD CITY, ND 58854
7	151N	97W	SHERLENE HAUCK & MICHELLE I MOE TIC	851 97TH AVE SW	DUNN CENTER, ND 58626
7,8	151N	97W	OMLID BROTHERS LLP	BOX 823	WATFORD CITY, ND 58854
8	151N	97W	THOMAS U & DONNA MAE KELLOGG	11991 36TH ST NW	WATFORD CITY, ND 58854

Hiland Crude, LLC  
Route Certificate Application Exhibits  
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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State ZIP</b>
8,9	151N	97W	PHYLLIS E NORDENG & TERRY NORDENG	3694 HWY 1806 W P.O. BOX 531	WATFORD CITY, ND 58854
9,14,15,16	151N	97W	DON & SANDIE SIVERTSON TRUST	DONALD & SANDRA SIVERTSON TRUSTEES	WATFORD CITY, ND 58854
10	151N	97W	HAROLD A ROLFSRUD LIVING TRUST & MARILYN G ROLFSRUD LIVING TRUST	3601 113 AVE NW	KEENE, ND 58847
10,11,14,23,24	151N	97W	FAYE A JORGENSON	3342 115TH AVE NW	WATFORD CITY, ND 58854
25	151N	97W	DONALD J DODGE ET AL	210 N WILLOW	KENAI, AK 99611
24,25	151N	97W	STEVEN D NELSON & WANDA A URAN-NELSON	11441 N FORK RD	WATFORD CITY, ND 58854
7	151N	98W	ROBERT C MURI & GARVIN O MURI & KAREN L ERICKSON	3452 125TH AVE NW	WATFORD CITY, ND 58854
7,8	151N	98W	JOHN L & PHYLLIS M BERGERON JT	1500 JOHN STREET	RAPID CITY, SD 57701
8	151N	98W	DEBBERA & DOYLE HAGEN JT ET AL	12182 34TH ST NW	WATFORD CITY, ND 58854
9,10	151N	98W	CLARENCE JOHNSON TRUST & VERNON JOHNSON	12272 35TH ST NW	WATFORD CITY, ND 58854
11	151N	98W	LARRY H & MYRNA L NELSON JT	12161 34TH ST NW	WATFORD CITY, ND 58854
11,13,14	151N	98W	DELMER L & MARCELLINE RINK	2322 BEAVER CREEK RD	WATFORD CITY, ND 58854
12	151N	98W	MERTON A JOHNSRUD	1206 22ND ST N	BISMARCK, ND 58501
12	151N	98W	SHERLENE HAUCK & MICHELLE I MOE TIC	851 97TH AVE SW	DUNN CENTER, ND 58626
12	151N	98W	THORLAND MINERALS TRUST LESLIE A & PHYLLIS Y THORLAND	TRUSTEES P.O. BOX 91	WATFORD CITY, ND 58854
2,3,11,12	151N	99W	ROBERT C MURI & GARVIN O MURI & KAREN L ERICKSON	3452 125TH AVE NW	WATFORD CITY, ND 58854
3,10	151N	99W	LORRAINE MELBY	905 CELEBRATION CIRCLE	SARTELL, MN 56377
9	151N	99W	CARLYLE & GAYLE STENBERG JT & CHRIST & GLADYS J STENBERG JT	12892 / 12894 34TH ST NW	WATFORD CITY, ND 58854

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State ZIP</b>
9	151N	99W	CARLYLE S & GAYLE STENBERG JT	12894 34TH ST NW	WATFORD CITY, ND 58854
11	151N	99W	RICHARD J & SHIRLENE LAWLAR JT	3102 127 AVE W	WATFORD CITY, ND 58854
16	151N	99W	CARLYLE S STENBERG	12894 34TH ST NW	WATFORD CITY, ND 58854
17	151N	99W	JASON LEISETH & JERALD & JANICE LEISETH JT	3301 / 3171 131 ST NW	ARNEGARD, ND 58835
17	151N	99W	TIM, TOM, LARY & TINA MELBY & LORRAINE MELBY	905 CELEBRATION CIRCLE	SARTELL, MN 56377
18	151N	99W	JOY PATTEN & JERALD & JANICE LEISETH JT	BOX 812	WATFORD CITY, ND 58854
6	152N	102W	USA		
6,19,30,31	152N	102W	DEDRICK M & JANICE E IVERSON	14852 38TH ST NW	ALEXANDER, ND 58831
6,7	152N	102W	RONALD W & KAY R STEPANEK	1509 11TH AVE W	WILLISTON, ND 58801
7	152N	102W	LARRY O KELTER	4301 HWY 85 N	WILLISTON, ND 58801
18,19	152N	102W	GLENN A & JULIENNE C AAMODT	14981 39TH ST NW	ALEXANDER, ND 58831
31	152N	102W	FRANCES LEONA ERICKSON TRUST, UDT	3821 147 AVE NW	ALEXANDER, ND 58831
31	152N	102W	WALTER JR ERICKSON & LORY JEAN WILSON, TRUSTEE WILSON FAMILY TRUST	PO BOX 64	ALEXANDER, ND 58831
31	152N	103W	JAMES A & DIANA GULLIKSON JT	3492 157 AVE NW	CARTWRIGHT, ND 58838
31	152N	103W	JAMES A GULLIKSON	3492 157 AVE NW	CARTWRIGHT, ND 58838
31,32	152N	103W	WILLIAM DOBIAS FAMILY TRUST SUE J ADAMS, TRUSTEE	827 QUARTER HORSE ROAD	ROSEBUD, MT 59347
32	152N	103W	EDNA S MONSON FAMILY TRUST, EDNA S MONSON MARITAL DEDUCTION TR	MARK: 1100 17TH AVE # 205 ANDREW: 1235 WALKING STICK WAY	SEATTLE, WA 98122 RENO, NV 89523
33	152N	104W	HARLOW & ANNABELLE BIEBER REV TRUST	3591 159 AVE NW	FAIRVIEW, MT 59221
33	152N	104W	SCOTT M & ANITA L BUXBAUM JT	16041 34TH ST NW	FAIRVIEW, MT 59221
34	152N	104W	TERRY & VICKY CAYKO	3592 159 AVE NW	FAIRVIEW, MT 59221

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<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State ZIP</b>
34	152N	104W	WILL L BERRY & LUKE E BERRY & SHAWN S & TRACY L BERRY JT	WILL: 15624 HWY 200 S & T: 2901 CHENEY CREEK RD LUKE: 2841 CHENEY CREEK RD	CARTWRIGHT, ND 58838 CARTWRIGHT, ND 58838 CARTWRIGHT, ND 58838
35	152N	104W	BENJAMIN D HETTICH	908 5TH AVE SE	SIDNEY, MT 59270
35	152N	104W	SANDE FAMILY TRUST DONALD SANDE ET AL TRUSTEES	428 EL CERRITO AVE	PIEDMONT, CA 94611
36	152N	104W	CARROLL & LINDA PAULSON	3251 156TH AVE NW	CARTWRIGHT, ND 58838

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**Mountrail County**

<b>Section</b>	<b>Twp</b>	<b>Range</b>	<b>Owner</b>	<b>Address</b>	<b>City, State, ZIP</b>
32	156N	96W	ND LAND HOLDINGS LLC	4851 HWY 85	WILLISTON, ND 58801
33	156N	96W	CONTINENTAL RESOURCES, INC.	20 N BROADWAY	OKLAHOMA CITY, OKLAHOMA 73102
33	156N	96W	MARILYN ARCHER		
33	156N	96W	HAZEL RAMBERG		
33	156N	96W	MARY SCHROEDER	8414 COUNTY 21	MCGREGOR, ND 58755-9451
33, 34	156N	96W	CLINTON & VERA BERGSTROM	5970 102C AVE. NW	TIOGA, ND 58852-9230
34, 35	156N	96W	DONNA & THOMAS HAUSTVEIT	P.O. BOX 1360	TIOGA, ND 58852
36	156N	96W	STATE OF ND	P.O. BOX 5523	BISMARCK, ND 58506
31	156N	94W	BENJAMYN MILLER	16033 1ST STREET SE	HILLSBORO, ND 58045
32	156N	94W	GERDA A NYLANDER	102B23 HWY 2	TIOGA, ND 58852
32	156N	94W	OMAR & JANICE HANSON	P.O. BOX 11	MCGREGOR, ND 58755
33	156N	94W	JERRY ZUNICH	1221 PARK PLACE	WILLISTON, ND 58801
2, 3, 34, 35	156N	94W	JEROME & ARDIS RICE	7531 101ST AVE NW	TIOGA, ND 58852-9670
36	156N	94W	STATE OF ND	P.O. BOX 5523	BISMARCK, ND 58506
31	156N	93W	GENE & PATRICIA BROWN	9561 61ST ST. NW	ROSS, ND 58776-9042
32	156N	93W	SHAWN IWEN	P.O. BOX 212	STANLEY, ND 58784-0212
32	156N	93W	DUANE & DORIS LIFFRIG	1819 VALLEY DRIVE	BISMARCK, ND 58503-0196

**APPENDIX 4.D.1**

**North Dakota Federal and State Plant Species of Concern**

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Acorus americanus</i>	Sweetflag	G5	S4			Peatlands, fens, seeps
<i>Agrostis exarata</i>	Spike Bentgrass	G5	S1		W	Moist habitats
<i>Allium canadense</i>	Meadow Onion	G5	S1			Prairies, open woods
<i>Allium tricoccum</i>	Wild Garlic	G5	S3			Rich undisturbed woods
<i>Apios americana</i>	American Groundnut	G5	SH			Moist woods, thickets banks
<i>Arabis canadensis</i>	Sicklepod	G5	S1			Mesic woodlands
<i>Arnica cordifolia</i>	Heart-leaved Arnica	G5	S3			Open woodlands
<i>Asclepias lanuginosa</i>	Wooly Milkweed	G4?	S1			Sandy or rocky calcareous prairie
<i>Asclepias sullivantii</i>	Sullivant's Milkweed	G5	S2			Mesic tallgrass prairies
<i>Astragalus australis</i>	Indian Milkvetch	G5	S2S3		W	Open wooded hillsides, bluffs, limestone
<i>Astragalus drummondii</i>	Drummond's Milkvetch	G5	S1		W	Prairies to open wooded/brushy hillsides/ravines, all soil
<i>Astragalus neglectus</i>	Cooper's Milkvetch	G4	S1			Sandy, gravelly shores, mesic gravelly prairie
<i>Astragalus vexilliflexus</i>	Bent-flowered Milkvetch	G4	S3		W	Rocky knolls and open wooded hillsides
<i>Athyrium filix-femina</i>	Northern Lady-fern	G5	S3			Moist woods, thickets, bogs, along streams
<i>Botrychium campestre</i>	Prarie Grapefern	G3G4	S1			Dry, gravelly or sandy prairies
<i>Botrychium matricariifolium</i>	Chamomile Grapefern	G5	S1			Moist woodlands
<i>Botrychium minganense</i>	Moonwort	G4	S1			Wooded, often north-facing slopes, meadows
<i>Botrychium multifidum</i>	Leathery Grapefern	G5	S1			Wet meadows, rich woodlands
<i>Botrychium simplex</i>	Least Grapefern	G5	S2			Meadows, barrens, woods, subacid soils
<i>Bromus carinatus</i>	Mountain Brome	G5	S1		W	Disturbed, moist woods, dry meadows, sagebrush
<i>Bromus kalmii</i>	Kalm's Brome	G5	S3			Open oak woods, sandy soils
<i>Calla palustris</i>	Water Arum	G5	S2			Northern marshes and swamps

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Campanula aparinoides</i>	Marsh Bellflower	G5	S2S3			Wetland thickets, seepage, peatlands
<i>Cardamine bulbosa</i>	Spring Cress	G5	S1			Wet meadows, wood springs
<i>Carex alopecoidea</i>	Foxtail Sedge	G5	S2			Damp, rich, wooded areas
<i>Carex athrostachya</i>	Jointed-spike Sedge	G5	S3			Low prairie, marsh margins
<i>Carex backii</i>	Back's Sedge	G4	S3			Damp, wooded areas
<i>Carex brunnescens</i>	Brown Sedge	G5	S1			Fens, wet wooded areas
<i>Carex buxbaumii</i>	Buxbaum's Sedge	G5	S2			Wet meadows, fens
<i>Carex capillaris</i>	Hair-like Sedge	G5	S2			Wet meadows, fens
<i>Carex chordorrhiza</i>	Creeping Sedge	G5	S1			Sphagnum bogs, poor fens
<i>Carex convoluta</i>	Spiral Sedge	G5	S2			Rich, deciduous woodlands
<i>Carex diandra</i>	Lesser-panicled Sedge	G5	S3			Swamps, meadows, shores
<i>Carex echinata</i> <i>ssp. echinata</i>	Spiny Sedge	G5T5	S1			Sphagnum bogs
<i>Carex festucacea</i>	Fescue Sedge	G5	S2			Wooded areas
<i>Carex foenea</i> <i>(Carex siccata)</i>	Dry-spiked Sedge	G5	S3		W	Dry open soil in wooded areas
<i>Carex formosa</i>	Handsome Sedge	G4	S1			Low, moist, eastern woodlands
<i>Carex garberi</i>	Elk Sedge	G5	S1			Fens, swamps, pond margins
<i>Carex gracillima</i>	Graceful Sedge	G5	S1			Moist swampy woods
<i>Carex gynocrates</i>	Pistillate Sedge	G5	S1			Peaty fens
<i>Carex haydenii</i>	Hayden's Sedge	G5	S1			Wet meadows, sloughs
<i>Carex lasiocarpa</i>	Wiregrass Sedge	G5	S3			Sphagnum bogs, seepage-fed peatlands, lake borders
<i>Carex leptalea</i>	Delicate Sedge	G5	S3			Shrubby peatland fens, swampy woods and thickets
<i>Carex limosa</i>	Mud Sedge	G5	S2			Sphagnum bogs, fens
<i>Carex nebrascensis</i>	Nebraska Sedge	G5	S2			Wet meadows, stream margins
<i>Carex pedunculata</i>	Peduncled Sedge	G5	S2			Moist oak or birch woodlands

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Carex richardsonii</i>	Richardson's Sedge	G5	S1			Low, usually sandy, prairie
<i>Carex scirpoidea</i>	Spikerush Sedge	G5	S2		W	Rocky slopes, wet meadows
<i>Carex scoparia</i>	Pointed Broom Sedge	G5	SH			Damp woods, low prairie, lakeshores
<i>Carex simulata</i>	Copycat Sedge	G5	S2			Calcareous fens, wet meadows
<i>Carex sterilis</i>	Sterile Sedge	G4	S1			Seepage peatland fens, wet meadows
<i>Caulophyllum thalictroides</i>	Blue Cohosh	G4G5	S1			Moist rich woods
<i>Chaenactis douglasii</i>	Douglas' Dusty-maiden	G5	S2			Scoria slopes and buttes
<i>Cheilanthes feei</i>	Slender Lip fern	G5	S1			Dry rocky slopes, sandstone, limestone
<i>Chenopodium subglabrum</i>	Smooth Goosefoot	G3G4	S1		S	Sandy river terraces, sand colluviums, sand blowouts, sand dunes
<i>Clematis columbiana</i> var. <i>tenuiloba</i>	Slender-lobed Clematis	G5? T4?	S1		W	Rocky slopes, limestone soils
<i>Collinsia parviflora</i>	Blue lips	G5	S2		S	Mesic slopes of buttes
<i>Crataegus mollis</i>	Downy Hawthorn	G5	S1			Open mesic woods
<i>Cryptantha torreyana</i>	Torrey's Cryptantha	G5	S1		S	Dry plains, pine slopes, on scoria
<i>Cyperus bipartitus</i>	Brook Flatsedge	G5	S2			Cool, spring-fed streams
<i>Cyperus diandrus</i>	Low Flatsedge	G5	S2			Sandy or muddy shores, stream margins
<i>Cypripedium candidum</i>	White Lady's Slipper	G4	S2			Low prairie, wet meadows
<i>Cypripedium parviflorum</i>	Small Yellow Lady's-slipper orchid	G5	S2			Damp woods, fens, streambanks
<i>Cypripedium parviflorum</i> var. <i>pubescens</i>	Large Yellow Lady's-slipper	G5T5	S2			Boggy areas, wet prairies
<i>Cypripedium reginae</i>	Showy Lady's-slipper	G4	S2			Swampy woodlands, thickets, fens
<i>Dalea enneandra</i>	Nine-anthered Dalea	G5	S3			Sandy or gravelly slopes, dry mixed grass prairies
<i>Desmanthus illinoensis</i>	Prairie Mimosa	G5	S1			Prairies with rocky or sandy soils

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Dicentra cucullaria</i>	Dutchman's Breeches	G5	S1			Rich eastern woodlands
<i>Diervilla lonicera</i>	Dwarf Honeysuckle	G5	S3			Shady woodlands, usually aspen
<i>Dirca palustris</i>	Leatherwood	G4	S1			Shady, damp woodland slopes
<i>Drosera rotundifolia</i>	Round-leaved Sundew	G5	S1			Acid bogs, swamps
<i>Dryopteris carthusiana</i>	Spinulose Woodfern	G5	S3			Rich, moist woods, ravines, boggy areas, alder thickets
<i>Dryopteris cristata</i>	Crested Woodfern	G5	S3			Swampy woods and thickets, seeps
<i>Eleocharis parvula</i>	Dwarf Spikerush	G5	S2			Brackish, alkaline shores
<i>Eleocharis pauciflora</i>	Few-flowered Spikerush	G5	S3			Calcareous fens, seeps
<i>Eleocharis wolfii</i>	Wolf's Spikerush	G3?	SH			Shores, low, wet prairie
<i>Elymus glaucus</i>	Blue Wildrye	G5	S2			Open woods, prairie slopes
<i>Epilobium coloratum</i>	Purple-leaved Willowherb	G5	S3			Marshes, seeps, shores
<i>Epilobium pygmaeum</i> ( <i>Boisduvalia glabella</i> )	Smooth-spike Primrose	G5	S2		W	Small streams, vernal pools
<i>Equisetum palustre</i>	Marsh Horsetail	G5	S2			Willow/alder thickets, swampy woods, streambanks
<i>Equisetum pratense</i>	Meadow Horsetail	G5	S2			Moist woodlands, shady streambanks
<i>Equisetum sylvaticum</i>	Wood Horsetail	G5	S2			Moist aspen or lowland woods, seeps
<i>Equisetum variegatum</i>	Variiegated Horsetail	G5	S1			Marl pools of calcareous fens
<i>Erigeron divergens</i>	Spreading Fleabane	G5	S1		W	Dry, open, rocky, sandy, loose soils
<i>Erigeron radicans</i>	Cushion Fleabane	G3G4	S1		W	Exposed hills, slopes, ridges
<i>Eriogonum cernuum</i>	Nodding Buckwheat	G5	S1		S	Erosional breaks in sandy grasslands, sandstone colluvium
<i>Eriogonum visherii</i>	Dakota Buckwheat	G3	S2		S	Barren, erodible, rock outcrops in badland habitat
<i>Eriophorum chamissonis</i>	Chamisson's Cottongrass	G5	S2			Bogs, marshes, peaty fens

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Eriophorum gracile</i>	Slender Cottongrass	G5	S1			Seepage fens
<i>Eriophorum viridicarinatum</i>	Green Keeled Cottongrass	G5	S2			Sphagnum bogs, peaty fens
<i>Escobaria missouriensis</i>	Missouri Foxtail Cactus	G5	SNR		S	Plains, hills, desert edge, grasslands, lower mountains
<i>Euonymus atropurpureus</i>	Wahoo	G5	S3			Rich deciduous woods, woodland edges, river banks
<i>Euphorbia robusta</i>	Rocky Mountain Spurge	G5	S3			Dry, sandy or gravelly prairie slopes
<i>Fraxinus nigra</i>	Black Ash	G5	S2			Swampy or wet lowlands
<i>Fritillaria pudica</i>	Yellow Fritillary	G5	S3			Ephemerally moist areas of buttes
<i>Galium labradoricum</i>	Bog Bedstraw	G5	S3			Wetland thickets, fens, swampy woods
<i>Gentianopsis crinita</i>	Fringed Gentian	G5	S2			Low wet prairies, stream banks
<i>Geranium maculatum</i>	Wild Geranium	G5	SH			Rich, eastern deciduous woods
<i>Geum rivale</i>	Water Avens	G5	S2			Marshes, wet meadows, riverbanks
<i>Gymnocarpium dryopteris</i>	Oakfern	G5	S2			North-facing or shady wooded slopes
<i>Halenia deflexa</i>	Spurred Gentian	G5	S3			Wetland thickets, damp shady woods
<i>Helianthemum bicknellii</i>	Bicknell's Sunrose	G5	S1			Open woods, prairies, usually dry sandy soil
<i>Hudsonia tomentosa</i>	Woolly Beach-heather	G5	S1			Sand prairies, dunes
<i>Iris missouriensis</i>	Rocky Mountain Iris	G5	S2			Mesic areas within mixed grass prairie
<i>Juncus brevicaudatus</i>	Short-tailed Rush	G5	S2			Wet meadows, fens, marshes
<i>Juncus vaseyi</i>	Vasey's Rush	G5?	S2			Wet meadows, shores
<i>Lappula cenchrusoides</i>	Stickseed	G4	S1			Dry soils in open areas
<i>Lechea stricta</i>	Upright Pinweed	G4?	S2			Dry, sandy woods and prairies
<i>Leersia virginica</i>	Whitegrass	G5	S3			Moist woods, stream banks
<i>Leucocrinum montanum</i>	Sand Lily	G5	S2		S	Grass/sagebrush prairies, open conifer woodlands, sandy soils
<i>Linnaea borealis</i>	Twinflower	G5	S4			Moist, wooded, north-facing slopes

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<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Liparis loeselii</i>	Loesel's Twayblade	G5	S2			Damp woods, prairie swales, fens
<i>Lipocarpha micrantha</i>	Small-flowered Lipocarpha	G5	S1			Wet sandy areas, sandbars
<i>Mahonia repens</i>	Creeping Barberry	G5	S2			Coulees, slopes of high plains
<i>Mentzelia pumila</i>	Dwarf Mentzelia	G4	S1		S	Dry sandy or clayey soils
<i>Menyanthes trifoliata</i>	Buckbean	G5	S2			Sphagnum bogs, fen peat lands
<i>Mimulus guttatus</i>	Yellow Monkeyflower	G5	S1			Marshes, along streams and lake shores
<i>Minuartia dawsonensis</i>	Stiff Sandwort	G5	S1			Open rocky or gravelly areas on shale
<i>Mitella nuda</i>	Naked Mitrewort	G5	S3			Swampy lowland woods and thickets
<i>Monotropa uniflora</i>	Indianpipe	G5	S3			Rich shady woods
<i>Muhlenbergia filiformis</i>	Pull-up Muhly	G5	S1			Marl pools of calcareous fens
<i>Myosurus apetalus var. montanus</i>	Bristly Mousetail	G5T3 T5	S1		W	Moist areas, vernal pools, lowlands
<i>Myosurus aristatus</i>	Sedge Mousetail	G5	S2			Moist areas, vernal wetlands of mixed grass prairies
<i>Myriophyllum pinnatum</i>	Cutleaf Watermilfoil	G5	S2			Shallows of marshes and shores
<i>Najas guadalupensis</i>	Southern Naiad	G5	S1			Lakes or streams
<i>Najas marina</i>	Spiny Naiad	G5	S1			Alkaline lakes, ponds
<i>Oenothera laciniata</i>	Cutleaf Evening Primrose	G5	SA?		W	Sandy prairie, disturbed pastures, roadsides, stream valleys
<i>Oenothera rhombipetala</i>	Rhombic Evening Primrose	G4G5	S2			Sandy prairies
<i>Onoclea sensibilis</i>	Sensitive Fern	G5	S2			Wetland thickets, fen peat lands, damp, shady woodlands
<i>Ophioglossum pusillum</i>	Adder's-Tongue Fern	G5	S2			Low prairie swales
<i>Orobanche ludoviciana, ssp. multiflora</i>	Manyflowered Broomrape	G5	S1		W	Dry sandy soils, dunes, gypsum ridges
<i>Orobanche uniflora</i>	One-flowered Broomrape	G5	SH			Damp woods, thickets

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Oxytropis deflexa</i>	Drooping Locoweed	G5	S2			Sandy lake shores, low meadows, aspen woodland clearings
<i>Oxytropis sericea</i>	White Locoweed	G5	S1		W	Mixed grass prairie on slopes or buttes
<i>Parnassia palustris var. parviflora</i>	Small-flowered Grass-of-Parnassus	G4	S3			Calcareous fens, bogs
<i>Pellaea glabella</i>	Smooth Cliffbrake	G5	S3			Sandstone caprock of buttes and ledges
<i>Penstemon procerus</i>	Small-flowered Penstemon	G5	S1			Northern prairie slopes
<i>Petasites frigidus</i>	Sweet Coltsfoot	G5	S2			Damp meadows, woods
<i>Phlox alyssifolia</i>	Alyssum-leaved Phlox	G5	S2		S	Sandy/gravelly soil of open prairies, clay banks, limestone ridges
<i>Phlox pilosa</i>	Downy Phlox	G5	S1			Mesic prairies of open woodlands
<i>Pinus flexilis</i>	Limber Pine	G5	S1		S	Arid, exposed rocky ridges, foothills
<i>Piptatherum pungens</i>	Slender Mountain-Ricegrass	G5	S2			Xeric slopes, usually shale
<i>Platanthera clavellata</i>	Green Woodland Orchid	G5	SH			Swampy woods, bogs
<i>Platanthera praecleara</i>	Western Prairie Fringed Orchid	G3	S2	T		Moist prairie swales of sand hills
<i>Pogonia ophioglossoides</i>	Rose pogonia	G5	S1			Swampy woods, bogs
<i>Polygonum hydropiperoides</i>	Swamp Smartweed	G5	S1			Rooted in or near water
<i>Polygonum leptocarpum</i>	Thin-fruited Knotweed	G2G4Q	S1			Damp, dry soils on clay
<i>Polygonum punctatum</i>	Dotted Smartweed	G5	S3			Swampy thickets, wet meadows, riverbanks
<i>Polygonum sagittatum</i>	Arrow-leaved Tearthumb	G5	S2			Marshes, wet meadows
<i>Populus x acuminata</i>	Lanceleaf Cottonwood	GNA	S2		S	Floodplains, stream banks
<i>Populus x jackii</i>	Balm-of-Gilead	GNA	SNR		W	Uplands and bottomlands
<i>Potamogeton diversifolius</i>	Water-thread Pondweed	G5	S3		W	Shallow ponds, marshes
<i>Potamogeton filiformis</i>	Slender Pondweed	G5	S3			Shallow lakes, ponds, streams

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Potamogeton natans</i>	Floating Pondweed	G5	S2			Cold, shallow to deep lakes and streams
<i>Potamogeton praelongus</i>	White-stemmed Pondweed	G5	S1			Usually cool, deep water of lakes
<i>Potamogeton strictifolius</i>	Narrow-leaved Pondweed	G5	S1			Shallow lakes, streams
<i>Potamogeton vaginatus</i> ( <i>Stuckenia vaginata</i> )	Sheathed Pondweed	G5	S3			Usually deep cold lakes, ponds
<i>Potentilla diversifolia</i>	Mountain meadow cinquefoil (Varileaf Potentilla)	G5	S1		W	Drainages, meadows
<i>Potentilla palustris</i>	Purple Cinquefoil	G5	S2			Fens, wet meadows, bogs
<i>Potentilla tridentata</i> ( <i>Sibbaldiopsis tridentata</i> )	Three-toothed Cinquefoil (Shrubby Fivefingers)	G5	S1		W	Gravel shores, dry shale outcrops of prairie hillsides, scoria
<i>Primula incana</i>	American Primrose	G4G5	S2			Alkali wet meadows, fens
<i>Psoralea tenuiflora</i>	Slim-flowered Scurfpea	G5	SH			Dry prairie, high plains
<i>Ranunculus cardiophyllus</i>	Heart-leaved Buttercup	G4G5	S1		W	Mountain meadows along streams, seeps
<i>Ranunculus flammula</i>	Acrid Spearwort	G5	S1			Marshes, damp shores
<i>Ranunculus recurvatus</i>	Hooked crowfoot	G5	S1			Wooded ravines, swampy woods
<i>Rhynchospora capillacea</i>	Hair Beakrush	G4	S2			Moist calcareous fens, marsh meadows, seeps, limestone
<i>Ribes cynosbati</i>	Prickly Gooseberry	G5	S3			Moist rich woods
<i>Rorippa calycina</i>	Hayden's Yellowcress	G3	SH		W	Sandy shores of rivers and streams
<i>Salix maccalliana</i>	Swamp Willow	G5?	S1			Bogs, swamps
<i>Salix pedicellaris</i>	Bog Willow	G5	S3			Sphagnum bogs, fens
<i>Sanicula gregaria</i>	Cluster Sanicle	G4Q	SH			Rich, moist woodlands
<i>Scheuchzeria palustris</i>	Scheuchzeria	G5	S1			Sphagnum bogs,
<i>Scirpus cyperinus</i>	Cottongrass Bulrush	GNR	SNR			Wet meadows, fresh marshes, boggy areas, fen wetlands

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Selaginella rupestris</i>	Ledge Spike-moss	G5	S1			Sandy soils near oak woodlands
<i>Senecio eremophilus</i>	Northern Ragwort	G5	S2			Open sites in aspen woodlands
<i>Smilax ecirrhata</i>	Upright Greenbrier (Upright Carrionflower)	G5?	S2		W	Rich deciduous woods and thickets
<i>Solidago flexicaulis</i>	Zigzag Goldenrod	G5	S2			Rich deciduous woodlands
<i>Solidago riddellii</i>	Riddell's Goldenrod	G5	SH			Low prairies, wet meadows
<i>Sphagnum recurvum</i>	Recurved Sphagnum	G5	S1			Bogs, fens, forests, near wetlands
<i>Sphagnum teres</i>	Round-leaved Sphagnum	G5	S1			Bogs, fens, forests, near wetlands
<i>Spiranthes cernua</i>	Nodding Ladies' Tresses	G5	S1			Fens, low prairies
<i>Spiranthes romanzoffiana</i>	Hooded Ladies' Tresses	G5	S1			Fens, wet meadows
<i>Sporobolus airoides</i>	Alkali Sacaton	G5	S3		S	Sandy/gravelly soil, clay outwash, saline conditions
<i>Stephanomeria minor (tenuifolia)</i>	Narrow-leaved Wirelettuce	G5	S3			Dry, clay outcrops
<i>Talinum parviflorum (Phemeranthus parviflorus)</i>	Prairie Fameflower	G5	S2		W	Sandy acidic soil, overlying bedrock
<i>Thelesperma subnudum var. marginatum</i>	Greenthread	G5T5	S2			Sandy prairie, open plains
<i>Thelypteris palustris</i>	Marsh Fern	G5	S3			Wetland thickets, shrubby fens
<i>Townsendia exscapa</i>	Easter Daisy	G5	SNR		S	Dry barren plain, hillsides on gravelly exposures, weathered bedrock
<i>Townsendia hookeri</i>	Hooker's Townsendia	G5	S1		S	Butte summits
<i>Triantha glutinosa</i>	Sticky False-asphodel	G5	S1			Fens, wet meadows
<i>Triplasis purpurea</i>	Purple Sandgrass	G4G5	S1			Sandy prairies, blowouts
<i>Utricularia intermedia</i>	Flat-leaved Bladderwort	G5	S2			Calcareous fens, seepage peatlands

<b>TABLE 4.D.1.A</b>						
<b>NORTH DAKOTA'S PLANT SPECIES OF CONCERN</b>						
<u>Scientific Name</u>	<u>Common Name</u>	<u>Global</u>	<u>State</u>	<u>USFWS</u>	<u>USFS</u>	<u>Habitat</u>
<i>Utricularia minor</i>	Lesser Bladderwort	G5	S2			Calcareous fens, seeps
<i>Uvularia sessilifolia</i>	Sessile-leaved Bellwort	G5	S2			Rich deciduous woods
<i>Veronicastrum virginicum</i>	Culver's Root	G4	SH			Low prairie, rich woods
<i>Viola conspersa</i> ( <i>Viola labradorica</i> )	Bog Violet	G5	S2			Moist woods, streambanks
<i>Viola incognita</i> ( <i>Viola blanda</i> )	Large-leaved White Violet	G4G5T 4T5	SH			Moist woods
<i>Wolffia columbiana</i>	Southern Watermeal	G5	S2			Aquatic in quiet waters
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.						

<b>TABLE 4.D.1.B</b>	
<b>USDA FOREST SERVICE SENSITIVE PLANTS LITTLE MISSOURI NATIONAL GRASSLAND</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Smooth Goosefoot	<i>Chenopodium subglabrum</i>
Blue Lips	<i>Collinsia parviflora</i>
Torrey's Cryptantha	<i>Cryptantha torreyana</i>
Nodding Buckwheat	<i>Eriogonum cernuum</i>
Dakota Buckwheat	<i>Eriogonum visheri</i>
Missouri Foxtail Cactus	<i>Escobaria missouriensis</i>
Sand Lily	<i>Leucocrinum montanum</i>
dwarf mentzelia	<i>Mentzelia pumila</i>
alyssumleaf phlox	<i>Phlox alyssifolia</i>
limber pine	<i>Pinus flexilis</i>
lanceleaf cottonwood	<i>Populus x acuminata</i>
alkali sacaton	<i>Sporobolus airoides</i>
Easter Daisy	<i>Townsendia exscapa</i>
Hooker's Townsend daisy	<i>Townsendia hookeri</i>

<b>TABLE 4.D.1.C</b>	
<b>BLM SENSITIVE SPECIES – PLANTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Cusick's horse-mint	<i>Agastache cusickii</i>
Western boneset	<i>Ageratina occidentalis</i> = <i>Eupatorium occidentale</i>
Tapertip onion	<i>Allium acuminatum</i>
Sitka columbine	<i>Aquilegia formosa</i>
Daggett rock cress	<i>Arabis demissa</i> var. <i>languida</i>
sapphire rockcress	<i>Arabis fecunda</i>
narrowleaf milkweed	<i>Asclepias stenophylla</i>
Sweetwater milkvetch	<i>Astragalus aretioides</i> = <i>Orophaca aretioides</i>
Barr's milkvetch	<i>Astragalus barrii</i>
painted milkvetch	<i>Astragalus ceramicus</i> var. <i>apus</i>
lesser rushy milkvetch	<i>Astragalus convallarius</i> var. <i>convallarius</i> = <i>A. junciformis</i>
Geyer's milkvetch	<i>Astragalus geyeri</i>
Gray's milkvetch	<i>Astragalus grayi</i>
Wind River milkvetch	<i>Astragalus oreganus</i>
Bitterroot milkvetch	<i>Astragalus scaphoides</i>
railhead milkvetch	<i>Astragalus terminalis</i>
large-leafed balsamroot	<i>Balsamorhiza macrophylla</i>
Peculiar moonwort	<i>Botrychium paradoxum</i>
low northern-rockcress	<i>Braya humilis</i>
Mohave brickellbush	<i>Brickellia oblongifolia</i>
Idaho sedge	<i>C. idahoa</i> = <i>C. parryana</i> ssp. <i>idahoa</i>
Small-winged sedge	<i>Carex stenoptila</i>
obscure evening-primrose	<i>Camissonia andina</i> = <i>Oenothera andina</i>
small camissonia	<i>Camissonia parvula</i> = <i>Oenothera parvula</i>
Crawe's sedge	<i>Carex crawei</i>

<b>TABLE 4.D.1.C</b>	
<b>BLM SENSITIVE SPECIES – PLANTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
annual Indian paintbrush	<i>Castilleja exilis</i>
yellow bee plant	<i>Cleome lutea</i>
Fendler cat's-eye	<i>Cryptantha fendleri</i>
miner's candle	<i>Cryptantha scoparia</i>
Schweinitz' flatsedge	<i>Cyperus schweinitzii</i>
Scribner's panic grass	<i>Dichantherium oligosanthes</i> <i>var.scribnerianum</i>
beavertip draba	<i>Draba globosa = D. apiculata</i>
Wind River draba	<i>Draba ventosa</i>
long sheath waterweed	<i>Elodea bifoliata = E.longivaginata</i>
beaked spikerush	<i>Eleocharis rostellata</i>
Idaho fleabane	<i>Erigeron asperugineus</i>
linearleaf fleabane	<i>Erigeron linearis</i>
buff fleabane	<i>Erigeron ochroleucus var.</i>
matted buckwheat	<i>Eriogonum caespitosum</i>
Railroad Canyon wild buckwheat	<i>Eriogonum soliceps</i>
Visher's buckwheat	<i>Eriogonum visherii</i>
hiker's gentian	<i>Gentianopsis simplex</i>
spiny hopsage	<i>Grayia spinosa</i>
Howell's gumweed	<i>Grindelia howellii</i>
showy goldeneye	<i>Heliomeris multiflora var.multiflora =</i> <i>Viguiera multiflora</i>
prostrate hutchensia	<i>Hutchinsia procumbens</i>
ballhead ipomopsis	<i>Ipomopsis congesta ssp.crebrifolia</i>
simple bog sedge	<i>Kobresia simpliciuscula</i>
green molly	<i>Kochia americana</i>
mat prickly phlox	<i>Leptodactylon caespitosum</i>

<b>TABLE 4.D.1.C</b>	
<b>BLM SENSITIVE SPECIES – PLANTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Idaho bladderpod (same as keeled)	<i>Lesquerella carinata var. languida</i>
Pryor Mountain bladderpod	<i>Lesquerella lesicii</i>
beautiful bladderpod	<i>Lesquerella pulchella</i>
sand wildrye	<i>Leymus flavescens = Elymus flavescens</i>
Pale-spiked lobelia	<i>Lobelia spicata</i>
taper-tip desert-parsley	<i>Lomatium attenuatum</i>
Nuttall desert-parsley	<i>Lomatium nuttallii</i>
marsh felwort	<i>Lomatogonium rotatum</i>
Torrey's desert dandelion	<i>Malacothrix torreyi = M. sonchoides v. torreyi</i>
bractless mentzelia	<i>Mentzelia nuda</i>
dwarf mentzelia	<i>Mentzelia pumila</i>
dwarf purple monkeyflower	<i>Mimulus nanus</i>
primrose monkeyflower	<i>Mimulus primuloides</i>
square-stem monkeyflower	<i>Mimulus ringens</i>
leafy nama	<i>Nama densum</i>
Blue toadflax	<i>Nuttallanthus texanus</i>
meadow lousewort	<i>Pedicularis crenulata</i>
narrowleaf penstemon	<i>Penstemon angustifolius</i>
Lemhi beardtongue	<i>Penstemon lemhiensis</i>
Whipple's beardtongue	<i>Penstemon whippleanus</i>
hoary phacelia	<i>Phacelia incana</i>
Hot Spring phacelia	<i>Phacelia thermalis</i>
plains phlox	<i>Phlox andicola</i>
Missoula phlox	<i>Phlox missoulensis</i>
double bladderpod	<i>Physaria brassicoides</i>

<b>TABLE 4.D.1.C</b>	
<b>BLM SENSITIVE SPECIES – PLANTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
common twinpod	<i>Physaria didymocarpa v. lanata</i>
slender-branched popcorn flower	<i>Plagiobothrys leptocladus</i>
short-leavedbluegrass	<i>Poa arnowiae = P. curta</i>
Austin's knotweed	<i>Polygonum douglasii sp.Austinae</i>
Platte cinquefoil	<i>Potentilla plattensis</i>
alkali primrose	<i>Primula alcalina</i>
mealy primrose	<i>Primula incana</i>
James stitchwort	<i>Pseudostellaria jamesiana =Stellaria jamesiana</i>
dwarf wooly-heads	<i>Psilocarphus brevissimus</i>
Indian breadroot	<i>Pedimelum hypogaeum</i>
Lemmon's alkaligrass	<i>Puccinellia lemmonii</i>
white-veined wintergreen	<i>Pyrola picta</i>
Beartooth large-flowered goldenweed	<i>Pyrrcoma carthamoides var.subsquarrosa = Haplopappuscarthamoides v. subsquarrosus</i>
bur oak	<i>Quercus macrocarpa</i>
Northern buttercup	<i>Ranunculus pedatifidus</i>
persistent-sepal yellow-cress	<i>Rorippa calycina</i>
slender bulrush	<i>Schoenoplectus heterochaetus =Scirpus heterochaetus</i>
shoshonea	<i>Shoshonea pulvinata</i>
few-flowered goldenrod	<i>Solidago velutina = S. sparsifolia</i>
white-stemmed globe-mallow	<i>Sphaeralcea munroana</i>
silver chicken sage	<i>Sphaeromeria argentea</i>
smooth buckwheat	<i>Stenogonum salsuginosum =Eriogonum salsuginosum</i>
thorn skeletonweed	<i>Stephanomeria spinosa =Lygodesmia spinosa</i>

<b>TABLE 4.D.1.C</b>	
<b>BLM SENSITIVE SPECIES – PLANTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Poison suckleya	<i>Suckleya suckleyana</i>
Rocky Mountain dandelion	<i>Taraxacum eriophorum</i>
alpinemeadowrue	<i>Thalictrum alpinum</i>
arrow thelypody	<i>Thelypodium sagittatum ssp.sagittatum</i>
meadow pennycress	<i>Thlaspi parviflorum</i>
showy townsendia	<i>Townsendia florifera</i>
Nannyberry	<i>Viburnum lentago</i>

## **APPENDIX 4.D.2**

### **North Dakota Federal and State Wildlife Species of Concern**

<b>TABLE 4.D.2.A</b>							
<b>NORTH DAKOTA'S BIRD SPECIES OF CONCERN</b>							
<b>Scientific Name</b>	<b>Common Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Ammodramus bairdii</i>	Baird's Sparrow	G4	SU		S	I	Native prairies & grasslands
<i>Ammodramus leconteii</i>	Le Conte's Sparrow	G4	SU			II	Fens, wet meadows, marshes, sedges
<i>Ammodramus nelsoni</i>	Nelson's Sharp-tailed Sparrow	G5	SU			I	Fens, shallow marshes, lakes
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	S?B			I	Mixed-grass prairie, meadows, hayfields
<i>Anas acuta</i>	Northern Pintail	G5	S?B			II	Aquatic/wetland habitat
<i>Anthus spragueii</i>	Sprague's Pipit	G4	S3		S	I	Grazed prairie
<i>Asio flammeus</i>	Short-eared Owl	G5	S?B, S?N			II	Prairie, hayfields, stubble fields
<i>Athene cunicularia</i>	Burrowing Owl	G4	SU		S	II	Grasslands with abandoned burrows
<i>Aythya americana</i>	Redhead	G5	S?B			II	Aquatic/wetland habitat
<i>Aythya valisineria</i>	Canvasback	G5	S?B			II	Aquatic/wetland habitat
<i>Bartramia longicauda</i>	Upland Sandpiper	G5	S?B			I	Dry, open mixed-grass prairie
<i>Botaurus lentiginosus</i>	American Bittern	G4	S?B			I	Aquatic/wetland habitat
<i>Buteo regalis</i>	Ferruginous Hawk	G4	SU			I	Native prairie, trees, cliffs
<i>Buteo swainsoni</i>	Swainson's Hawk	G5	SU			I	Open plains and prairies
<i>Calamospiza melanocorys</i>	Lark Bunting	G5	S?B			I	Sagebrush, sage prairie
<i>Calcarius mccownii</i>	McCown's Longspur	G4	S2			III	Arid, grazed, mix-grass prairie,
<i>Calcarius ornatus</i>	Chestnut-collared Longspur	G5	S?B			I	Grazed/hayed mixed-grass prairie
<i>Catoptrophorus semipalmatus</i>	Willet	G5	SU			I	Aquatic/wetland habitat
<i>Centrocercus urophasianus</i>	Greater Sage Grouse	G4	SU		S	II	Sagebrush
<i>Charadrius montanus</i>	Mountain Plover	G2	SX	PT			Dry short grass prairie, sagebrush
<i>Chlidonias niger</i>	Black Tern	G4	S?B			I	Aquatic/wetland habitat

Hiland Crude, LLC  
Route Certificate Application Exhibits  
Crude Oil Pipeline McKenzie, Williams, and Mountrail Counties

<b>TABLE 4.D.2.A</b>							
<b>NORTH DAKOTA'S BIRD SPECIES OF CONCERN</b>							
<b>Scientific Name</b>	<b>Common Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Circus cyaneus</i>	Northern Harrier	G5	S?B, S?N			II	Upland grasses near water
<i>Cistothorus platensis</i>	Sedge Wren	G5	S?B			II	Wet meadows, tall grasses & sedges
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	G5	S?B			I	Woodlands, thickets, prairie shrub, shelterbelt
<i>Coturnicops noveboracensis</i>	Yellow Rail	G4	S2			I	Aquatic/wetland habitats
<i>Dolichonyx oryzivorus</i>	Bobolink	G5	S?B			II	Tall-grass prairie, hayland, cropland
<i>Falco mexicanus</i>	Prairie Falcon	G5	S3			II	Badlands, cliffs, buttes in west ND
<i>Falco peregrinus</i>	Peregrine Falcon	G4T4	S1		S	III	Undisturbed areas with cliffs and prey
<i>Grus americana</i>	Whooping Crane	G1	SX	E, XN		III	Aquatic/wetland habitats
<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S1			II	Forested areas near water
<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	SU		S	II	Open country, wooded coulees, shelterbelts
<i>Larus pipixcan</i>	Franklin's Gull	G4G5	S?B			I	Aquatic/wetland habitats
<i>Limosa fedoa</i>	Marbled Godwit	G5	SU			I	Aquatic/wetland habitat
<i>Melanerpes erythrocephalus</i>	Red-Headed Woodpecker	G5	S?B			II	Trees by rivers, shelterbelts, wooded areas
<i>Numenius americanus</i>	Long-billed Curlew	G5	S2		S	I	Aquatic/wetland habitats, extreme SW counties
<i>Numenius borealis</i>	Eskimo Curlew	GH	S?	E			Wetlands, grasslands, pastures
<i>Pelecanus erythrorhynchos</i>	American White Pelican	G4	S?B			I	Aquatic/wetland habitat
<i>Phalaropus tricolor</i>	Wilson's Phalarope	G5	S?B			I	Aquatic/wetland habitat
<i>Podiceps auritus</i>	Horned Grebe	G5	S?B			I	Aquatic/wetland habitat
<i>Recurvirostra americana</i>	American Avocet	G5	S?B			II	Aquatic/wetland habitat
<i>Spiza americana</i>	Dickcissel	G5	S?B			II	Alfalfa, sweet clover, brushy grasslands

<b>TABLE 4.D.2.A</b>							
<b>NORTH DAKOTA'S BIRD SPECIES OF CONCERN</b>							
<b>Scientific Name</b>	<b>Common Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Spizella breweri</i>	Brewer's Sparrow	G5	S3			III	Dense sagebrush, short-grass prairie
<i>Sterna antillarum</i>	Interior Least Tern	G4	S1	E		II	Sparsely vegetated sand bars
<i>Tympanuchus cupido pinnatus</i>	Greater Prairie Chicken	G4T4	S2		S	II	Native tall-grass prairie
<i>Tympanuchus phasianellus</i>	Sharp-tailed Grouse	G4	S?			II	Mixed-grass prairie, patches of woody vegetation
<i>Zonotrichia albicollis</i>	White-throated Sparrow	G5	S3				Mature quaking aspen, dense understory
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.							

<b>TABLE 4.D.2.B</b>							
<b>NORTH DAKOTA'S MAMMAL SPECIES OF CONCERN</b>							
<b>Scientific Name</b>	<b>Common Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Canis lupus</i>	Gray Wolf	G4	SX	E		III	Forested areas
<i>Chaetodipus hispidus</i>	Hispid Pocket Mouse	G5	S4			III	Short and mixed-grass prairie
<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog	G3G4	SU		S	I	Short grass of grazed rangeland in SW North Dakota
<i>Lemmyscus curtatus</i>	Sagebrush Vole	G5	S4			III	Extreme western North Dakota
<i>Lutra canadensis</i>	Northern River Otter	G5	S1			II	Rivers, streams near wooded areas
<i>Mustela nigripes</i>	Black-footed Ferret	G1	S1	E		II	Short grass prairie where prairie dog towns occur.
<i>Myotis ciliolabrum</i>	Western Small-footed Myotis	G5	SU			III	Extreme western North Dakota
<i>Myotis evotis</i>	Long-eared Myotis	G5	SU			III	Western North Dakota
<i>Myotis volans</i>	Long-legged Myotis	G5	SU			III	Western North Dakota
<i>Ovis canadensis</i>	Bighorn Sheep	G4T4	S2		S		Rugged terrain, rocky slopes, badlands
<i>Perognathus flavescens</i>	Plains Pocket Mouse	G5	SU			III	Sandy areas covered with grass in SE North Dakota
<i>Sorex arcticus</i>	Arctic Shrew	G5	S?			III	Moist, grassy openings in forested areas
<i>Sorex hoyi</i>	Pygmy Shrew	G5	SU			II	Forested areas in drift prairie & Red River Valley
<i>Spermophilus richardsonii</i>	Richardson's Ground Squirrel	G5	S?			II	Open grasslands, cultivated fields, pastures
<i>Spilogale putoris</i>	Eastern Spotted Skunk	G5	S1			III	Riparian woodlands, densely vegetated
<i>Vulpes velox</i>	Swift Fox	G3	S1			II	Short mixed-grass prairie tracts
<b>* Data provided by the USFWS, USFS, ND Game &amp; Fish Dept., North Dakota Natural Heritage Program, and NatureServe.</b>							

<b>TABLE 4.D.2.C</b>							
<b>NORTH DAKOTA'S REPTILE SPECIES OF CONCERN</b>							
Scientific Name	Common Name	Global	State	USFWS	USFS	CWCS	Habitat
<i>Apalone mutica</i>	Smooth Softshell Turtle	G5	SU			III	Lower Missouri River System
<i>Chelydra serpentina</i>	Common Snapping Turtle	G5	S?			II	Warm water lakes/streams, muddy bottoms
<i>Eumeces septentrionalis</i>	Northern Prairie Skink	G5	S2S3			III	Sandy areas in grasslands
<i>Graptemys pseudogeographica</i>	False Map Turtle	G5	SU			III	Lower Missouri River System
<i>Heterodon nasicus</i>	Western Hognose Snake	G5	S?			I	Sand/gravel habitats near rivers
<i>Liochlorophis vernalis</i>	Smooth Green Snake	G5	S?			I	Grasslands, uplands of hills
<i>Phrynosoma hernandesi</i>	Short-Horned Lizard	G5	S?			II	Badlands
<i>Sceloporus graciosus</i>	Northern Sagebrush Lizard	G5	S4			III	Sagebrush, open flats, forested slopes near water
<i>Storeria occipitomaculata</i>	Redbelly Snake	G5	S?			II	Woodlands in drift prairie, Red River Valley
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.							

<b>TABLE 4.D.2.D</b>							
<b>NORTH DAKOTA'S AMPHIBIAN SPECIES OF CONCERN</b>							
Scientific Name	Common Name	Global	State	USFWS	USFS	CWCS	Habitat
<i>Bufo hemiophrys</i>	Canadian Toad	G4	S?			I	Aquatic/wetland habitat
<i>Rana pipiens</i>	Northern Leopard Frog	G5	S?				Aquatic/wetland habitat
<i>Spea bombifrons</i>	Plains Spadefoot Toad	G5	S?			I	Dry grasslands, loose soils, shallow pools
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.							

**TABLE 4.D.2.E**  
**NORTH DAKOTA'S FISH SPECIES OF CONCERN**

Scientific Name	Common Name	Global	State	USFWS	USFS	CWCS	Habitat
<i>Ameiurus natalis</i>	Yellow Bullhead	G5	SX			III	Backwater, slow-moving sections of rivers, soft bottoms
<i>Campostoma anomalum</i>	Central Stoneroller	G5	S3			III	Forest River in NE North Dakota
<i>Cycleptus elongatus</i>	Blue Sucker	G3G4	S3			I	Large rivers, strong current, high turbidity
<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	G4	S?			III	Red River
<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S?			III	Red River
<i>Macrhybopsis gelida</i>	Sturgeon Chub	G3	S2		S2	I	Rocky rapids, high turbidity, swift currents
<i>Macrhybopsis meeki</i>	Sicklefin Chub	G3	S2			I	Deep rivers, swift current, muddy waters
<i>Macrhybopsis storeriana</i>	Silver Chub	G5	S?			II	Deeper pools, sandy backwater, large rivers
<i>Margariscus margarita</i>	Pearl Dace	G5	S3			I	Missouri & Red River systems
<i>Nocomis biguttatus</i>	Hornyhead Chub	G5	S3			III	Forest River in NE North Dakota
<i>Notropis anogenus</i>	Pugnose Shiner	G3	S1			III	Clear water with vegetation
<i>Notropis heterolepis</i>	Blacknose Shiner	G4	S3			III	Pools with vegetation
<i>Notropis rubellus</i>	Rosyface Shiner	G5	S3			III	Pools with current
<i>Percina caprodes</i>	Logperch	G5	S3			III	Red River
<i>Percina shumardi</i>	River Darter	G5	SU			III	Red River
<i>Percopsis omiscomaycus</i>	Trout-Perch	G5	S?			II	Deep pools, rivers, streams, sandy bottoms
<i>Phoxinus eos</i>	Northern Redbelly Dace	G5	S4		S2	II	Slower rivers with some vegetation
<i>Phoxinus neogaeus</i>	Finescale Dace	G5	SU			III	Pools, slow moving waters
<i>Platygobio gracilis</i>	Flathead Chub	G5	S?			II	Turbid waters, swift current, sand/gravel bottoms
<i>Polyodon spathula</i>	Paddlefish	G4	S?			II	Large free flowing rivers with zooplankton
<i>Pylodictis olivaris</i>	Flathead Catfish	G5	S4			III	Pools, lakes, slower waters,
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	G2	S1	E		II	Large, turbid rivers with sand/gravel bottom

\* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.

<b>TABLE 4.D.2.F</b>							
<b>NORTH DAKOTA'S INSECT SPECIES OF CONCERN</b>							
<b>Scientific Name</b>	<b>Common Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Atrytone arogos iowa</i>	Arogos Skipper	G3G4T3T4	S?		S		Native prairie with purple vetch, Canada thistle, purple coneflower
<i>Euphyes dion</i>	Dion Skipper	G4	S1		S		Sedge marshes, cattails, swamp milkweed
<i>Hesperia dacotae</i>	Dakota Skipper	G2	S2	C	S		Native tall grass prairie with white camass
<i>Hesperia ottoe</i>	Ottoe Skipper	G3G4	S?		S		Native prairie hilltops with coneflower
<i>Oarisma powesheik</i>	Powersheik Skipper	G2G3	S?		S		Undisturbed, tall grass meadows
<i>Phyciodes batesii</i>	Tawny Crescent	G4	S3		S		Woodlands, native prairie with dogbane, leafy spurge
<i>Poanes massasoit</i>	Mulberry Wing	G4	S2		S		Sedge meadows with upright sedge, dogwood
<i>Poanes viator</i>	Broad-Winged Skipper	G5	S2		S		Tall marsh grass with hairy sedge, swamp milkweed
<i>Speyeria idalia</i>	Regal Fritillary	G3	S2		S		Tall grass areas, damp meadows with blazing star, milkweed, thistle
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.							

<b>TABLE 4.D.2.G</b>							
<b>NORTH DAKOTA'S BIVALVE AND GASTROPOD SPECIES OF CONCERN</b>							
<b>Common Name</b>	<b>Scientific Name</b>	<b>Global</b>	<b>State</b>	<b>USFWS</b>	<b>USFS</b>	<b>CWCS</b>	<b>Habitat</b>
<i>Amblema plicata</i>	Threeridge	G5	S?			II	Mud, sand, gravel bottoms
<i>Fusconaia flava</i>	Wabash Pigtoe	G5	S4			II	Mud, sand, gravel bottoms
<i>Lasmigona compressa</i>	Creek Heelsplitter	G5	S?			II	Sandy-bottomed headwaters
<i>Ligumia recta</i>	Black Sandshell	G5	S4			II	Swift current, gravel/sand bottoms
<i>Potamilus alatus</i>	Pink Heelsplitter	G5	S4			II	Mud, gravel bottoms
<i>Potamilus ohioensis</i>	Pink Papershell	G5	SU			III	Sandy bottom of Bois de Sioux River
<i>Quadrula quadrula</i>	Mapleleaf	G5	S3			II	Mud, sand, gravel bottoms
* Data provided by the USFWS, USFS, ND Game & Fish Dept., North Dakota Natural Heritage Program, and NatureServe.							

<b>TABLE 4.D.2.H</b>	
<b>BLM SENSITIVE SPECIES – MAMMALS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Black-tailed prairie dog	<i>Cynomys ludovicianus</i>
Fisher	<i>Martes pennanti</i>
Fringed myotis	<i>Myotis thysanodes</i>
Fringe-tailed myotis	<i>Myotis thysanodes pahasapensis</i>
Gray Wolf	<i>Canis lupus</i>
Great Basin pocket mouse	<i>Perognathus parvus</i>
Grizzly Bear	<i>Ursus arctos horribilis</i>
Long-eared myotis	<i>Myotis evotis</i>
Long-legged myotis	<i>Myotis volans</i>
Meadow jumping mouse	<i>Zapus hudsonius</i>
North American wolverine	<i>Gulo gulo luscus</i>
Northern myotis	<i>Myotis septentrionalis</i>
Pallid bat	<i>Antrozous pallidus</i>
Pygmy rabbit	<i>Brachylagus idahoensis</i>
Swift fox	<i>Vulpes velox</i>
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>
White-tailed prairie dog	<i>Cynomys leucurus</i>

<b>TABLE 4.D.2.I</b>	
<b>BLM SENSITIVE SPECIES – BIRDS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Baird's sparrow	<i>Ammodramus bairdii</i>
Bald Eagle	<i>Haliaeetus leucocephalus</i>
Black tern	<i>Chilodoniass niger</i>
Black-backed woodpecker	<i>Picoides arcticus</i>
Black-crowned night heron	<i>Nycticorax nycticorax</i>
Blue-gray gnatcatcher	<i>Poliopitila caerulea</i>
Bobolink	<i>Dolichonyx orysivorus</i>
Brewer's sparrow	<i>Spizella breweri</i>
Burrowing owl	<i>Athene cunicularia</i>
Chestnut-collared longspur	<i>Calcarius ornatus</i>
Common loon	<i>Gavia immer</i>
Dickcissel	<i>Spiza americana</i>
Ferruginous hawk	<i>Buteo regalis</i>
Flammulated owl	<i>Otus flammeolus</i>
Franklin's gull	<i>Larus pipixcan</i>
Golden eagle	<i>Aquila chrysaetos</i>
Great gray owl	<i>Strix nebulosa</i>
Greater sage-grouse	<i>Centrocercus urophasianus</i>
Harlequin duck	<i>Histrionicus histrionicus</i>
LeConte's sparrow	<i>Ammodramus leconteii</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Long-billed curlew	<i>Numenius americanus</i>
Marbled godwit	<i>Limosa fedoa</i>
McCown's longspur	<i>Calcarius mccownii</i>
Mountain plover	<i>Charadrius montanus</i>

<b>TABLE 4.D.2.I</b>	
<b>BLM SENSITIVE SPECIES – BIRDS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Nelson's sharp-tailed sparrow	<i>Ammodramus nelsoni</i>
Northern goshawk	<i>Accipiter gentiles</i>
Peregrine falcon	<i>Falco peregrinus</i>
Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>
Sage sparrow	<i>Amphispiza belli</i>
Sage thrasher	<i>Oreoscoptes montanus</i>
Sedge wren	<i>Cistothorus platensis</i>
Sprague's pipit	<i>Anthus spragueii</i>
Swainson's hawk	<i>Buteo swainsoni</i>
Three-toed woodpecker	<i>Picooides tridactylus</i>
Trumpeter swan	<i>Cygnus buccinator</i>
White-faced ibis	<i>Plegadis chihi</i>
Yellow rail	<i>Coturnicops noveboracensis</i>
Yellow-billed cuckoo	<i>Coccyzus americanus</i>

<b>TABLE 4.D.2.J</b>	
<b>BLM SENSITIVE SPECIES – FISH</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Arctic grayling (fluvial population)	<i>Thymallus arcticus montanus</i>
Northern redbelly X Finescale dace	<i>Phoxinus eos x Phoxinus neogaeus</i>
Paddlefish	<i>Polyodon spathula</i>
Pearl dace	<i>Margariscus margarita</i>
Sauger	<i>Stizostedion canadense</i>
Sturgeon chub	<i>Macrhybopsis gelida</i>
Westslope cutthroat trout	<i>Oncorhynchus clarki lewisi</i>
Yellowstone cutthroat trout	<i>Oncorhynchus clarki bouvieri</i>

<b>TABLE 4.D.2.K</b>	
<b>BLM SENSITIVE SPECIES – REPTILES</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Greater short-horned lizard	<i>Phrynosoma hernandesi</i>
Milk snake	<i>Lampropeltis triangulum</i>
Snapping turtle	<i>Chelydra serpentina</i>
Spiny softshell	<i>Apalone spinifera</i>
Western hog-nosed snake	<i>Heterodon nasicus</i>

<b>TABLE 4.D.2.L</b>	
<b>BLM SENSITIVE SPECIES – AMPHIBIANS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Coeur d'Alene salamander	<i>Plethodon idahoensis</i>
Great Plains toad	<i>Bufo cognatus</i>
Northern leopard frog	<i>Rana pipiens</i>
Plains spadefoot	<i>Spea bombifrons</i>
Western toad	<i>Bufo boreas</i>

<b>TABLE 4.D.2.M</b>	
<b>BLM SENSITIVE SPECIES – INSECTS</b>	
<b>Common Name</b>	<b>Scientific Name</b>
Dakota skipper	<i>Hesperia dacotae</i>

**APPENDIX 4.D.3**

**North Dakota Federal and State Threatened and Endangered  
Botany and Wildlife Species Rank Definitions**

<b>TABLE 4.D.3.A</b>	
<b>NATURAL HERITAGE RANK DEFINITIONS</b>	
<b>G1</b>	<b>Critically Imperiled</b> – Critically imperiled globally because of extreme rarity or because of some factor of its biology making it especially vulnerable to extinction. Typically 5 or fewer occurrences or very few remaining individuals (<1,000) or acres (<2,000) or stream miles (<10). [Critically endangered throughout its range.]
<b>G2</b>	<b>Imperiled</b> - Imperiled globally because of rarity or because of other factors demonstrably making it very vulnerable to extinction or elimination throughout its range. Typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000) or acres (2,000 to 10,000) or stream miles (10 to 50). [Endangered throughout its range.]
<b>G3</b>	<b>Vulnerable</b> – Vulnerable globally either because very rare and local throughout its range, found only in a restricted range (even if abundant at some locations) or because of other factors making it vulnerable to extinction or elimination throughout its range. Typically of 21 to 100 occurrences or between 3,000 and 10,000 individuals. [Threatened throughout its range.]
<b>G4</b>	<b>Apparently Secure</b> – Uncommon but not rare (although it may be quite rare in parts of its range, especially at the periphery), and usually widespread. Apparently not vulnerable in most of its range, but possibly cause for long-term concern. Typically more than 100 occurrences and more than 10,000 individuals.
<b>G5</b>	<b>Secure</b> – Common, widespread, and abundant (although it may be quite rare in parts of its range, especially on the periphery). Not vulnerable in most of its range. Typically with considerably more than 100 occurrences and more than 10,000 individuals.
<b>GX</b>	<b>Presumed Extinct</b> (species elements) - Believed to be extinct throughout its range (e.g., passenger pigeon), virtually no likelihood that it will be rediscovered.
<b>GH</b>	<b>Possibly Extinct</b> (species elements) - Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the expectation that it may be rediscovered (e.g. Ivory-billed woodpecker).
<b>G#G#</b>	<b>Range Rank</b> - A numeric range rank (e.g., G2G3) is used to indicate uncertainty about the exact status of a taxon. Ranges cannot skip more than one rank (e.g., GU should be used rather than G1G4).
<b>GU</b>	<b>Unrankable</b> - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends
<b>G?</b>	<b>Unranked</b> - Global rank not yet assessed.
<b>HYB</b>	<b>Hybrid</b> - Element not ranked because it represents and interspecific hybrid and not a species.
<b>?</b>	<b>Inexact Numeric Rank</b> - Denotes inexact numeric rank.
<b>Q</b>	<b>Questionable Taxonomy</b> - Taxonomic status is questionable; numeric rank may change with taxonomy.
<b>C</b>	<b>Captive or Cultivated Only</b> - Taxon at present is extant only in captivity or cultivation, or as a reintroduced population not yet established
<b>T</b>	<b>Intraspecific Taxon</b> (trinomial) – The status of intraspecific taxa (subspecies or varieties) are indicated by a “T-rank” following the species’ basic global rank. A T subrank cannot imply the subspecies or variety is more abundant than the species’ basic global rank (i.e., a G1T2 subrank should not occur).
<b>S1</b>	<b>Critically Imperiled</b> – Critically imperiled in the state because of extreme rarity or because of some factor of its biology making it especially vulnerable to extirpation from the state. Typically 5 or fewer occurrences or very few remaining individuals (<1,000). [Critically endangered in state.]
<b>S2</b>	<b>Imperiled</b> – Imperiled in the state because of rarity or because of other factors making it very vulnerable to extirpation from the state. Typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000). [Endangered in the state.]
<b>S3</b>	<b>Vulnerable</b> – Vulnerable in the state either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extirpation. Typically 21 to 100 occurrences or between 3,000 to 10,000 individuals. [Threatened in the state.]
<b>S4</b>	<b>Apparently Secure</b> – Uncommon but not rare, and usually widespread in the state. Possible cause of long-term concern. Usually more than 100 occurrences and more than 10,000 individuals

<b>TABLE 4.D.3.A</b>	
<b>NATURAL HERITAGE RANK DEFINITIONS</b>	
<b>S5</b>	<b>Secure</b> – Common, widespread, and abundant in the state. Essentially ineradicable under present conditions. Typically with considerably more than 100 occurrences and more than 10,000 individuals.
<b>SX</b>	<b>Presumed Extirpated</b> – Element is believed to be extirpated from the state. Virtually no likelihood that it will be rediscovered.
<b>SH</b>	<b>Possibly Extirpated (Historical)</b> – Elements occurred historically in the state, and there is some expectation that it may be rediscovered. Its presence may not have been verified in the past 20 years.
<b>S#S#</b>	<b>Range Rank</b> – A numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status of the element. Ranges cannot skip more than one rank (e.g., SU should be used rather than S1S4).
<b>SU</b>	<b>Unrankable</b> – Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
<b>S?</b>	<b>Unranked</b> - State rank not yet assessed.
<b>HYB</b>	<b>Hybrid</b> - Element not ranked because it represents and interspecific hybrid and not a species.
<b>SE</b>	<b>Exotic</b> - An exotic species established in the state; may be native in nearby regions.
<b>SE#</b>	<b>Exotic Numeric</b> – An exotic established in the state that has been assigned a numeric rank to indicate its status, as defined for S1 through S5.
<b>SZ</b>	<b>Zero Occurrences</b> – Present but lacking practical conservation concern in the state because there are no definable occurrences, although the taxon is native and appears regularly in the state. An SZ rank will generally be used for long distance migrants whose occurrences during their migrations have little or no conservation value for the migrant, as they are typically too irregular (in terms of repeated visitation to the same locations), transitory, and dispersed to be reliably identified, mapped, and protected.
<b>SP</b>	<b>Potential</b> – Potential that element occurs in the state but no extant or historic occurrences are accepted.
<b>SR</b>	<b>Reported</b> – Element reported in the state but without a basis for either accepting or rejecting the report, or the report not yet reviewed. Some of these are very recent discoveries for which the program hasn't yet received first-hand information; others are old, obscure reports.
<b>SRF</b>	<b>Reported Falsely</b> – Element erroneously reported in the state and the error has persisted in the literature.
<b>SSYN</b>	<b>Synonym</b> – Element reported as occurring in the state, but state does not recognize the taxon; therefore the Element is not ranked by the state.
<b>*</b>	S rank has been assigned and is under review. Contact the individual state Natural Heritage Program for assigned rank.
<b>B</b>	<b>Breeding</b> – Basic rank refers to the breeding population of the Element in the state.
<b>N</b>	<b>Non-breeding</b> – Basic rank refers to the non-breeding population of the Element in the state.
<b>?</b>	<b>Inexact Numeric Rank</b> – Denotes inexact numeric rank.
<b>C</b>	<b>Captive or Cultivated</b> - Native element presently extant in the state only in captivity or cultivation or as a reintroduced population not yet established

<b>TABLE 4.D.3.B</b>	
<b>FEDERAL STATUS DESIGNATIONS</b>	
<b>U.S. Fish and Wildlife Service (USFWS)</b>	
*This value indicates status under the federal Endangered Species Act of 1973 based on categories defined by the U.S. Fish and Wildlife Service(16 U.S.C.S §1531-1543 (Supp.1996)).	
<b>E</b>	Endangered
<b>T</b>	Threatened
<b>PE</b>	Proposed Endangered
<b>PT</b>	Proposed Threatened
<b>PC</b>	Proposed Candidate
<b>XE</b>	Essential Experimental Population – An experimental population whose loss would be likely to appreciably reduce the likelihood of the survival of the species in the wild.
<b>XN</b>	Experimental Nonessential Population – An experimental population of a listed species reintroduced into a specific area that receives more flexible management under the Act.
<b>C</b>	Candidate (species for which the U.S. Fish and Wildlife Service has sufficient information on biological status and threats to propose listing as threatened or endangered).
<b>CH</b>	Critical Habitat – The specific areas within the geographic area occupied by a species, at the time it is listed, on which are found those physical or biological features essential to conserve the species and that may require special management considerations or protection; and specific areas outside the geographic area occupied by the species at the time it is listed upon determination that such area essential to conserve the species.
<b>PDL</b>	Proposed of delisting – Any species for which a final rule has been published in the Federal Register to delist the species.
<b>DM</b>	Recovered, delisted, and being monitored – Any previously listed species that is now recovered, has been delisted, and is being monitored.
<b>S1</b>	Critically imperiled: at high risk because of extreme rarity (often 5 or fewer occurrences), rapidly declining numbers, or other factors that make it particularly vulnerable to rangewide extinction or extirpation.
<b>S2</b>	Imperiled: at risk because of restricted range, few populations (often 20 or fewer), rapidly declining numbers, or other factors that make it vulnerable to rangewide extinction or extirpation.
<b>S3</b>	Vulnerable: at moderate risk because of restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors that make it vulnerable to rangewide extinction or extirpation.
<b>S</b>	Sensitive: animal and plant species identified by the Regional Forester for which population viability is a concern as evidenced by significant downward trend in population or a significant downward trend in habitat capacity.
<b>W</b>	Watch Plants:
<b>Level I</b>	Species having a high level of conservation priority because of declining status either in North Dakota or across their range; or a high rate of occurrence in North Dakota constituting the core of the species’ breeding range, but are at-risk range wide, and non-State Wildlife Grants (SWG) funding is not readily available to them.
<b>Level II</b>	Species having a moderate level of conservation priority; or a high level of conservation priority, but a substantial amount of non-State Wildlife Grant funding is available to them.
<b>Level III</b>	North Dakota’s species having a moderate level of conservation priority, but are believed to be peripheral or do not breed in North Dakota.