

# **ATTACHMENT 1**

## **Wetlands Mapping Conventions Review Record**



## Wetland Mapping Conventions Review Record

Project Name U-more Gravel EIS Date Sept. 8, 2009 County Dakota

Investigator Doug Mensing Legal Description (Sec, T, R) Sec 27, T115, R19

Year	Climate Condition (wet, dry, normal) <sup>1</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, etc.) <sup>2</sup>				
		Area_r12a	Area_r13a	Area_r14a	Area_r15	
1937	normal	DC	DC	DC	DC	
1951	wet	WNC	DNC	DNC	DNC	
1964	normal	DC	DNC	DNC	DNC	
1974	normal	DC	DNC	Under trees	DNC	
1979-1983	Photo not available					
1984	normal	WNC	Under trees	Under trees	DNC	
1985	Photo not available					
1986	wet	DNC	Under trees	Under trees	DNC	
1987	dry	DNC	Under trees	Under trees	DNC	
1988	dry	DNC	Under trees	Under trees	DNC	
1989	Photo not available					
1990	wet	DNC	Under trees	Under trees	DNC	
1991	normal	DNC	Under trees	Under trees	DNC	
1992	normal	DNC	Under trees	Under trees	DNC	
1993	wet	WNC	Under trees	Under trees	DNC	
1994	normal	DNC	Under trees	Under trees	WNC	
1995	normal	DNC	Under trees	Under trees	DNC	
1996	normal	DNC	Under trees	Under trees	DNC	
1997	dry	DNC	Under trees	Under trees	DNC	
1998	wet	DNC	Under trees	Under trees	DNC	
1999	wet	DNC	Under trees	Under trees	DNC	
2000	normal	DNC	Under trees	Under trees	DNC	
2001	Photo not available					
2002	normal	DNC	Under trees	Under trees	WNC	
2003	Photo not available					
2004	Photo not available					
2005	normal	DNC	Under trees	Under trees	WNC	
2006	dry	DNC	Under trees	Under trees	WNC	
2007	Photo not available					
2008	wet	DNC	Under trees	Under trees	DNC	
2009	Photo not available					

Summary Table

	Area_r12a	Area_r13a	Area_r14a	Area_r15	
<b># Normal Yrs.</b>	12	3	2	12	
<b># Normal Yrs with wet signatures</b>	1	Not applicable	Not applicable	3	
<b>% Normal Yrs with wet signatures</b>	8.3%	Not applicable	Not applicable	25%	

<sup>1</sup>Use MN State Climatology website to determine USDA/NRCS climate condition for legal description of parcel being investigated.

<sup>2</sup>In the space below, provide legend for interpretation symbols used.

WCS - crop stress; WDO – crops drowned out; WNC – wetland not cropped; WSW – standing water DC – cropped upland; DNC – uncropped upland
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## Wetland Mapping Conventions Review Record

Project Name U-more Gravel EIS Date Sept. 8, 2009 County Dakota

Investigator Doug Mensing Legal Description (Sec, T, R) Sec 28, T115, R19

Year	Climate Condition (wet, dry, normal) <sup>1</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, etc.) <sup>2</sup>			
		Area_R8	Area_r16	Area_r17	Area_r18a
1937	normal	WCS	DC	DNC	DC
1951	wet	WSW	DNC	DNC	DNC
1964	normal	DNC	DNC	DNC	DNC
1974	normal	DNC	DNC	DNC	DNC
1979-1983	Photo not available				
1984	normal	DNC	DNC	DNC	DNC
1985	dry	DNC	DNC	DNC	DNC
1986	wet	WNC	DNC	DNC	DNC
1987	dry	DNC	DNC	DNC	DNC
1988	dry	DNC	DNC	DNC	DNC
1989	Photo not available				
1990	wet	DNC	DNC	DNC	DNC
1991	normal	WNC	DNC	DNC	DNC
1992	normal	DNC	DNC	DNC	DNC
1993	wet	DNC	DNC	DNC	DNC
1994	normal	WNC	DNC	DNC	DNC
1995	normal	DNC	DNC	DNC	DNC
1996	normal	DNC	DNC	DNC	DNC
1997	dry	DNC	DNC	DNC	DNC
1998	wet	WNC	WNC	DNC	DNC
1999	wet	DNC	DNC	DNC	DNC
2000	normal	WNC	DNC	DNC	DNC
2001	Photo not available				
2002	normal	WNC	WNC	WNC	WNC
2003	Photo not available				
2004	Photo not available				
2005	normal	WNC	WNC	WNC	WNC
2006	dry	DNC	DNC	DNC	DNC
2007	Photo not available				
2008	wet	WSW	DNC	DNC	DNC
2009	Photo not available				

Summary Table

	Area_R8	Area_r16	Area_r17	Area_r18a
<b># Normal Yrs.</b>	12	12	12	12
<b># Normal Yrs with wet signatures</b>	6	2	2	2
<b>% Normal Yrs with wet signatures</b>	50%	16.7%	16.7%	16.7%

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Project Name U-more Gravel EIS Date Sept. 8, 2009 County Dakota

Investigator Doug Mensing Legal Description (Sec, T, R) Sec 28, T115, R19

Year	Climate Condition (wet, dry, normal) <sup>1</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, etc.) <sup>2</sup>				
		Area_r11a_	Area_r19_	Area_r20_	Area_r21_	
1937	normal	WCS	DC	DC	DC	
1951	Wet	WCS	DC	DC	WNC	
1964	normal	WCS	DC	DC	WNC	
1974	normal	WCS	DC	DC	WNC	
1979-1983	Photo not available					
1984	normal	DC	DC	DC	DC	
1985	Dry	DC	DC	DC	DC	
1986	Wet	DC	DC	DC	DC	
1987	Dry	DC	DC	Photo not available	DC	
1988	Dry	WCS	DC	DC	DC	
1989	Photo not available					
1990	Wet	DC	DC	DC	WNC	
1991	normal	DC	DC	DC	DC	
1992	normal	DC	DC	DC	WSW	
1993	Wet	DC	DC	DC	WSW	
1994	normal	DC	DC	DC	DC	
1995	normal	DC	DC	DC	DC	
1996	normal	DC	DC	DC	DC	
1997	Dry	DC	DC	DC	DC	
1998	Wet	DC	DC	DC	DC	
1999	Wet	DC	DC	DC	DC	
2000	normal	WCS	DC	DC	DC	
2001	Photo not available					
2002	normal	DC	DC	DNC	DC	
2003	Photo not available				DC	
2004	Photo not available					
2005	normal	DC	WCS	WNC	WNC	
2006	Dry	DC	DNC	DC	DNC	
2007	Photo not available					
2008	Wet	WSW	WSW	DC	WCS	
2009	Photo not available					

Summary Table

	Area_r11a	Area_r19_	Area_r20_	Area_r21_	
<b># Normal Yrs.</b>	12	12	12	12	
<b># Normal Yrs with wet signatures</b>	4	1	1	4	
<b>% Normal Yrs with wet signatures</b>	33.3%	8.7%	8.3%	33.3%	

<sup>1</sup>Use MN State Climatology website to determine USDA/NRCS climate condition for legal description of parcel being investigated.

<sup>2</sup>In the space below, provide legend for interpretation symbols used.

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# Wetland Mapping Conventions Review Record

Project Name U-more Gravel EIS Date Sept. 8, 2009 County Dakota

Investigator Doug Mensing Legal Description (Sec, T, R) Sec 33, T115, R19

Year	Climate Condition (wet, dry, normal) <sup>1</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, etc.) <sup>2</sup>				
		Area_r1	Area_r2	Area_r3	Area_r4	Area_r5
1937	normal	WNC	WNC	WNC	DC	WNC
1951	wet	DNC	DNC	DNC	DC	DNC
1964	normal	DNC	DNC	DNC	WNC	WNC
1974	normal	DNC	DNC	DNC	DNC	DNC
1979-1983	Photo not available					
1984	normal	DNC	DNC	DNC	DNC	DNC
1985	dry	DNC	DNC	DNC	DNC	DNC
1986	wet	WNC	WNC	WNC	DNC	DNC
1987	dry	DNC	DNC	DNC	DC	WNC
1988	dry	DNC	DNC	DNC	DC	WNC
1989	Photo not available					
1990	wet	DNC	DNC	DNC	Photo not available	Photo not available
1991	normal	DNC	DNC	DNC	DNC	DNC
1992	normal	DNC	DNC	DNC	DNC	DNC
1993	wet	DNC	DNC	DNC	DNC	DNC
1994	normal	DNC	DNC	DNC	DNC	DNC
1995	normal	DNC	DNC	DNC	DNC	DNC
1996	normal	DNC	DNC	DNC	DNC	DNC
1997	dry	DNC	DNC	DNC	DNC	DNC
1998	wet	DNC	DNC	DNC	DNC	DNC
1999	wet	DNC	DNC	DNC	DNC	DNC
2000	normal	DNC	DNC	DNC	DNC	DNC
2001	Photo not available					
2002	normal	DNC	DNC	DNC	DNC	DNC
2003	Photo not available					
2004	Photo not available					
2005	normal	WNC	DNC	DNC	DNC	DNC
2006	dry	DNC	DNC	DNC	DNC	WSW
2007	Photo not available					
2008	wet	WNC	DNC	DNC	WSW	DNC
2009	Photo not available					

Summary Table

	Area_r1	Area_r2	Area_r3	Area_r4	Area_r5
<b># Normal Yrs.</b>	12	12	12	12	12
<b># Normal Yrs with wet signatures</b>	2	1	1	1	2
<b>% Normal Yrs with wet signatures</b>	16.7%	8.3%	8.3%	8.3%	16.7%

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Year	Climate Condition (wet, dry, normal) <sup>1</sup>	Interpretation (list hydrology indicators observed, e.g. crop stress, drowned out, standing water, etc.) <sup>2</sup>				
		Area_r6a	Area_r7a	Area_r9a	Area_r10a	
1937	normal	WNC	WNC	DC	WCS	
1951	Wet	DNC	DNC	WCS	WCS	
1964	normal	DNC	WNC	DC	DC	
1974	normal	DNC	DNC	DC	DC	
1979-1983	Photo not available					
1984	normal	DNC	DNC	DC	DC	
1985	Dry	DNC	DNC	DC	DC	
1986	Wet	WNC	WNC	DC	DC	
1987	Dry	DNC	WNC	DC	DC	
1988	Dry	DNC	DNC	DC	DC	
1989	Photo not available					
1990	Wet	Photo not available	DNC	DC	DC	
1991	normal	DNC	DNC	DC	DC	
1992	normal	DNC	DNC	DC	DC	
1993	Wet	DNC	DNC	DC	DC	
1994	normal	DNC	DNC	WCS	DC	
1995	normal	DNC	DNC	DC	DC	
1996	normal	DNC	DNC	DC	DC	
1997	Dry	DNC	DNC	DC	DC	
1998	Wet	DNC	DNC	DC	DC	
1999	Wet	DNC	DNC	DC	DC	
2000	normal	DNC	DNC	DC	WCS	
2001	Photo not available					
2002	normal	DNC	DNC	DC	DC	
2003	Photo not available					
2004	Photo not available					
2005	normal	DNC	DNC	WCS	WCS	
2006	dry	DNC	DNC	DC	DC	
2007	Photo not available					
2008	wet	DNC	DNC	WCS	WSW	
2009	Photo not available					

Summary Table

	Area_____	Area_____	Area_____	Area_____	
# Normal Yrs.	12	12	12	12	
# Normal Yrs with wet signatures	1	2	2	3	
% Normal Yrs with wet signatures	8.3%	16.7%	16.7%	25%	

<sup>1</sup>Use MN State Climatology website to determine USDA/NRCS climate condition for legal description of parcel being investigated.

<sup>2</sup>In the space below, provide legend for interpretation symbols used.

WCS - crop stress; WDO – crops drowned out; WNC – wetland not cropped; WSW – standing water  
DC – cropped upland; DNC – uncropped upland

