Rainfall Data
Hawarden
Station #IA3718
Sioux County, IA

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.37	1.36	4.35	1.60	2.55	5.62	3.09	16.14	14.86	15.20	23.56	23.06	NORM	NORM	NORM	NORM	WET
1981	1.74	0.42	1.79	4.92	5.10	2.57	1.73	7.95	18.76	26.93	22.83	15.43	DRY	NORM	WET	NORM	NORM
1982	0.72	0.98	5.69	1.35	2.97	2.71	3.52	19.75	16.41	17.30	15.42	18.95	NORM	NORM	NORM	NORM	NORM
1983	3.67	3.14	3.03	15.79	3.68	0.98	2.23	19.04	56.57	45.65	26.09	12.33	NORM	WET	WET	WET	NORM
1984	2.75	8.81	4.24	7.16	3.66	1.12	1.01	33.09	38.77	29.54	17.84	8.93	WET	WET	WET	NORM	DRY
1985	2.71	6.41	4.53	3.57	0.45	8.62	6.92	29.12	26.18	13.02	30.33	38.45	WET	WET	NORM	WET	WET
1986	2.18	4.89	3.48	2.64	1.98	3.20	6.25	22.40	19.77	14.70	16.20	27.13	WET	NORM	NORM	NORM	WET
1987	4.49	0.65	4.16	0.83	4.75	3.09	4.03	18.27	11.46	20.07	19.60	23.02	NORM	DRY	NORM	NORM	WET
1988	0.21	3.39	2.08	1.20	0.96	6.63	4.42	13.23	11.15	7.36	23.01	27.48	NORM	DRY	DRY	NORM	WET
1989	1.40	1.63	0.86	2.37	5.47	1.90	2.63	7.24	10.46	22.01	19.01	17.16	DRY	DRY	NORM	NORM	NORM
1990	2.05	0.96	4.84	3.18	2.13	2.35	1.54	18.49	20.18	17.59	14.49	11.45	NORM	NORM	NORM	NORM	NORM
1991	1.29	2.44	3.14	3.27	5.18	1.90	2.16	15.59	18.53	25.22	19.33	15.46	NORM	NORM	NORM	NORM	NORM
1992	3.02	2.40	3.43	2.80	6.32	4.16	4.30	18.11	17.66	27.99	27.92	27.54	NORM	NORM	WET	WET	WET
1993	2.49	3.13	4.63	4.15	7.10	3.63	1.81	22.64	24.84	34.23	29.24	19.79	WET	NORM	WET	WET	NORM
1994	0.00	3.83	1.41	4.13	2.02	2.22	2.62	11.89	19.04	15.73	14.83	14.32	NORM	NORM	NORM	NORM	NORM
1995	4.65	5.50	6.37	2.04	3.14	3.74	2.34	34.76	24.36	19.87	19.54	17.64	WET	NORM	NORM	NORM	NORM
1996	1.25	0.88	4.01	3.26	3.05	2.94	2.95	15.04	18.68	19.68	18.18	17.78	NORM	NORM	NORM	NORM	NORM
1997	0.59	2.78	3.66	4.33	1.09	1.72	2.67	17.13	23.09	15.59	11.67	12.54	NORM	NORM	NORM	DRY	NORM
1998	3.29	4.43	1.96	3.40	2.93	2.72	0.25	18.03	18.55	17.55	17.42	9.12	NORM	NORM	NORM	NORM	DRY
1999	1.04	2.76	4.78	2.75	1.68	3.88	3.00	20.90	20.57	15.32	17.75	18.44	NORM	NORM	NORM	NORM	NORM
2000	1.20	1.05	3.62	4.16	2.47	3.45	0.74	14.16	20.77	19.35	19.45	11.59	NORM	NORM	NORM	NORM	NORM
2001	0.42	5.54	4.36	2.59	4.81	1.49	3.74	24.58	22.03	23.97	16.68	19.01	WET	NORM	NORM	NORM	NORM
2002	0.78	2.37	2.83	2.04	2.48	4.52	1.09	14.01	14.15	14.35	20.56	14.79	NORM	NORM	NORM	NORM	NORM
2003	1.83	2.65	4.11	5.03	4.37	0.95	5.00	19.46	25.96	27.28	16.62	21.27	NORM	WET	WET	NORM	NORM
2004	3.07	2.11	4.58	1.40	1.45	2.50	6.26	21.03	15.47	11.73	11.80	25.23	NORM	NORM	DRY	DRY	WET
2005	1.04	4.27	3.8	8.82	2.86	1.99	5.92	20.98	38.33	30.02	20.51	24.60	NORM	WET	WET	NORM	WET
2006	2.56	4.84	1.06	3.14	0.55	2.43	7.02	15.42	16.38	8.99	11.53	26.47	NORM	NORM	DRY	DRY	WET
2007	2.91	4.43	3.72	2.78	0.00	7.73	4.06	22.93	20.21	9.28	25.97	27.64	WET	NORM	DRY	WET	WET
2008	1.37	1.93	5.18	4.77	3.27	2.74	2.62	20.77	26.60	24.53	19.53	16.61	NORM	WET	NORM	NORM	NORM
2009	1.10	2.60	0.77	4.92	7.57	1.60	0.06	8.61	18.90	33.32	24.86	10.95	DRY	NORM	WET	WET	NORM
2010	1.14	2.40	2.01	10.91	10.11	3.32	7.53	11.97	39.15	54.16	41.09	39.34	NORM	WET	WET	WET	WET
2011	0.80	3.56	5.67	6.55	1.33	2.00	0.82	24.93	34.55	22.76	15.21	7.79	WET	WET	NORM	NORM	DRY
2012	0.63	3.10	7.69	0.59	1.56	2.44	0.41	29.90	20.25	13.55	11.03	7.67	WET	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.99	1.95	2.41
April	1.56	2.80	3.41
May	2.45	3.52	4.18
June	2.23	3.76	4.57
July	2.00	3.55	4.33
August	1.95	3.15	3.80
Sept.	1.47	2.65	3.23
Jun-MAM	11.46	18.11	21.77
Jul-JMA	13.15	21.12	25.48
Aug-JJM	12.91	21.69	26.31
Sep-AJJ	12.08	20.31	24.63
Oct-SAJ	10.31	17.80	21.62

Normals are for 1971-2000 data

March	1.95
April	2.80
May	3.52
June	3.76
July	3.55
August	3.15
Sept.	2.65

Rainfall Data
Sioux City Gateway AP
Station #IA7708
Woodbury County, IA

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.03	1.37	3.88	1.21	0.50	5.68	1.40	15.41	12.76	7.80	19.25	16.06	NORM	DRY	DRY	NORM	NORM
1981	1.78	0.47	1.98	3.07	4.36	1.72	0.97	8.66	13.64	21.20	16.95	10.71	DRY	DRY	NORM	NORM	NORM
1982	1.53	0.64	6.93	1.82	3.63	1.54	3.64	23.60	19.96	21.46	13.70	17.63	WET	NORM	NORM	NORM	NORM
1983	4.92	2.19	4.41	4.58	1.27	1.16	3.07	22.53	24.75	17.38	10.60	12.80	WET	NORM	NORM	NORM	NORM
1984	1.79	6.73	5.54	6.79	2.56	0.79	0.71	31.87	38.18	26.80	14.28	6.27	WET	WET	WET	NORM	DRY
1985	2.20	5.04	3.24	1.15	0.41	3.69	4.50	22.00	14.97	6.77	13.04	21.29	NORM	NORM	DRY	NORM	WET
1986	3.04	5.73	3.00	5.35	3.26	1.86	5.06	23.50	27.78	23.48	17.45	22.16	WET	WET	NORM	NORM	WET
1987	5.90	0.61	4.20	3.09	3.08	3.94	1.44	19.72	18.28	19.62	21.07	15.28	NORM	NORM	NORM	NORM	NORM
1988	0.59	2.50	2.47	0.53	2.93	5.16	5.17	13.00	9.03	12.32	21.87	28.76	NORM	DRY	DRY	NORM	WET
1989	0.86	0.94	1.51	1.83	5.76	2.01	4.33	7.27	9.45	22.45	19.38	22.77	DRY	DRY	NORM	NORM	WET
1990	2.20	1.61	7.48	4.20	3.22	1.34	0.86	27.86	29.17	25.54	14.66	8.48	WET	WET	WET	NORM	DRY
1991	2.02	3.48	3.87	5.27	0.77	2.17	2.17	20.59	27.03	16.72	13.32	11.62	NORM	WET	NORM	NORM	NORM
1992	3.52	1.13	3.56	2.74	4.81	4.60	2.82	16.46	16.47	23.47	26.16	22.47	NORM	NORM	NORM	WET	WET
1993	0.85	3.66	3.06	4.23	6.71	6.43	1.29	17.35	22.47	31.65	36.94	23.44	NORM	NORM	WET	WET	WET
1994	0.04	2.37	0.88	3.44	4.53	3.33	4.59	7.42	14.45	21.35	22.49	24.96	DRY	NORM	NORM	NORM	WET
1995	2.09	4.74	4.81	2.18	1.36	2.01	3.50	26.00	20.90	13.25	10.93	15.88	WET	NORM	NORM	NORM	NORM
1996	1.09	0.84	6.22	4.39	7.33	4.69	2.65	21.43	26.45	36.99	33.12	24.66	NORM	WET	WET	WET	WET
1997	0.46	2.42	3.71	3.09	1.94	0.63	2.43	16.43	19.11	15.71	8.86	10.49	NORM	NORM	NORM	DRY	NORM
1998	4.01	6.06	2.87	5.67	1.49	3.55	0.42	24.74	28.81	18.68	19.30	9.85	WET	WET	NORM	NORM	NORM
1999	0.89	4.66	5.21	7.90	3.30	4.57	0.52	25.84	38.78	30.91	28.21	14.00	WET	WET	WET	WET	NORM
2000	0.71	1.76	3.99	5.66	3.13	1.76	1.06	16.20	26.72	24.70	17.20	9.83	NORM	WET	NORM	NORM	NORM
2001	0.87	5.21	5.87	2.57	2.18	3.40	3.39	28.90	24.66	17.55	17.13	19.15	WET	NORM	NORM	NORM	NORM
2002	1.05	2.96	2.60	3.69	4.16	5.67	1.27	14.77	19.23	22.46	29.02	19.31	NORM	NORM	NORM	WET	NORM
2003	1.67	3.15	3.79	4.04	3.72	1.67	6.65	19.34	22.85	23.03	16.49	27.01	NORM	NORM	NORM	NORM	WET
2004	4.36	1.36	4.32	4.12	2.93	0.97	3.42	20.04	22.36	21.35	12.89	15.13	NORM	NORM	NORM	NORM	NORM
2005	0.8	4.18	3.39	4.13	2.51	1.45	2.84	19.33	23.35	19.18	13.50	13.93	NORM	NORM	NORM	NORM	NORM
2006	2.61	3.37	0.87	3.23	0.36	6.98	5.45	11.96	14.80	8.41	24.89	30.67	DRY	NORM	DRY	WET	WET
2007	4.19	4.64	4.74	2.70	2.19	9.07	3.67	27.69	22.22	16.71	34.29	31.34	WET	NORM	NORM	WET	WET
2008	1.23	2.79	5.20	3.35	4.39	2.67	3.34	22.41	23.24	25.07	20.14	19.75	WET	NORM	NORM	NORM	NORM
2009	1.44	1.62	1.00	5.26	5.55	3.52	4.56	7.68	19.40	28.17	26.92	26.27	DRY	NORM	WET	WET	WET
2010	1.38	1.49	1.41	6.40	9.23	4.50	2.99	8.59	23.51	41.90	38.36	27.20	DRY	NORM	WET	WET	WET
2011	0.90	4.29	6.67	5.03	0.78	2.53	0.31	29.49	32.72	19.07	14.18	6.77	WET	WET	NORM	NORM	DRY
2012	0.70	4.82	6.20	2.16	0.78	1.71	0.47	28.94	23.70	12.86	8.85	5.61	WET	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.93	2.00	2.44
April	1.57	2.75	3.35
May	2.76	3.75	4.40
June	2.29	3.61	4.35
July	1.79	3.30	4.03
August	1.49	2.90	3.55
Sept.	1.35	2.42	2.95
Jun-MAM	12.35	18.75	22.34
Jul-JMA	13.96	21.08	25.20
Aug-JJM	12.71	20.87	25.19
Sep-AJJ	10.34	18.91	23.06
Oct-SAJ	8.82	16.36	19.98

Normals are for 1971-2000 data

March	2.00
April	2.75
May	3.75
June	3.61
July	3.30
August	2.90
Sept.	2.42

Rainfall Data
Browns Valley
Station #MN1063
Traverse County, MN

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.84	0.46	1.99	3.58	2.12	2.61	0.37	7.73	15.18	15.51	15.65	8.45	NORM	NORM	NORM	NORM	DRY
1981	1.32	0.97	2.51	5.21	2.57	2.46	0.43	10.79	21.62	20.64	17.73	8.78	NORM	WET	NORM	NORM	NORM
1982	2.86	0.38	2.68	0.65	4.48	1.29	2.83	11.66	7.69	17.42	13.48	15.55	NORM	DRY	NORM	NORM	NORM
1983	3.10	0.40	0.40	2.12	2.23	5.13	2.19	5.10	7.56	11.33	21.97	19.06	DRY	DRY	DRY	NORM	WET
1984	1.74	3.21	1.09	7.05	1.96	1.66	0.99	11.43	26.54	21.07	15.95	8.25	NORM	WET	NORM	NORM	DRY
1985	1.76	1.52	3.47	2.69	1.84	2.05	3.69	15.21	16.53	14.37	12.52	17.01	NORM	NORM	NORM	NORM	NORM
1986	0.97	5.89	3.54	4.81	5.51	4.21	3.94	23.37	27.40	29.69	28.46	25.75	WET	WET	WET	WET	WET
1987	1.84	0.44	2.69	0.94	4.24	0.75	2.49	10.79	8.64	17.29	11.67	13.21	NORM	DRY	NORM	DRY	NORM
1988	0.91	0.57	3.03	0.83	1.45	5.08	3.85	11.14	9.12	9.04	18.97	23.16	NORM	DRY	DRY	NORM	WET
1989	2.00	2.83	1.06	2.03	2.70	5.53	3.22	10.84	11.04	13.22	24.02	23.42	NORM	NORM	NORM	WET	WET
1990	1.47	2.08	1.50	5.19	1.71	3.57	1.58	10.13	20.65	17.01	19.32	13.59	NORM	WET	NORM	NORM	NORM
1991	1.42	4.09	3.78	6.68	4.27	2.77	2.49	20.94	31.69	29.95	23.53	17.28	WET	WET	WET	WET	NORM
1992	1.31	1.83	1.42	5.87	4.03	0.94	2.66	9.23	22.28	25.25	16.75	13.89	NORM	WET	WET	NORM	NORM
1993	1.40	1.95	3.29	4.70	7.05	3.53	2.09	15.17	22.63	33.84	29.39	20.38	NORM	WET	WET	WET	WET
1994	0.52	3.55	2.80	1.01	7.03	1.62	1.19	16.02	12.18	25.91	19.93	13.84	WET	NORM	WET	NORM	NORM
1995	4.06	2.90	2.97	2.57	5.22	4.49	2.18	18.77	16.55	23.77	26.48	20.74	WET	NORM	WET	WET	WET
1996	0.73	0.18	4.18	2.96	4.33	0.82	2.01	13.63	17.42	23.09	14.08	12.00	NORM	NORM	NORM	NORM	NORM
1997	1.63	2.72	1.49	0.89	4.35	3.48	0.92	11.54	8.37	16.32	20.03	14.07	NORM	DRY	NORM	NORM	NORM
1998	2.15	2.91	4.03	3.95	1.66	1.91	0.16	20.06	22.82	16.91	13.00	5.96	WET	WET	NORM	NORM	DRY
1999	1.13	1.42	2.08	4.44	3.56	3.34	2.25	10.21	18.90	21.64	21.58	16.99	NORM	NORM	NORM	NORM	NORM
2000	1.11	1.90	1.61	2.65	6.86	2.49	1.36	9.74	13.07	27.49	23.84	15.92	NORM	NORM	WET	WET	NORM
2001	0.49	5.21	3.22	3.92	4.06	1.00	2.20	20.57	23.41	23.24	15.04	12.66	WET	WET	NORM	NORM	NORM
2002	1.66	1.94	2.46	4.74	2.96	4.84	1.72	12.92	21.08	20.82	25.18	17.80	NORM	WET	NORM	WET	WET
2003	0.67	3.12	2.51	10.39	2.85	0.77	1.72	14.44	39.31	31.84	18.40	9.55	NORM	WET	WET	NORM	NORM
2004	1.24	1.08	5.66	2.46	4.18	0.76	8.08	20.38	19.78	23.12	13.10	29.94	WET	NORM	NORM	NORM	WET
2005	0.12	1.21	3.00	7.64	2.91	4.17	2.83	11.54	30.13	27.01	25.97	19.74	NORM	WET	WET	WET	WET
2006	0.89	4.28	2.19	1.91	1.00	4.32	6.48	16.02	14.39	9.01	16.87	29.08	WET	NORM	DRY	NORM	WET
2007	2.68	4.44	3.25	6.79	1.69	2.29	5.26	21.31	31.31	21.90	17.04	22.05	WET	WET	NORM	NORM	WET
2008	1.59	3.22	1.69	6.06	3.35	1.04	3.39	13.10	24.78	23.86	15.88	15.60	NORM	WET	WET	NORM	NORM
2009	2.30	1.50	1.01	3.26	1.29	4.52	3.35	8.33	13.30	11.40	19.40	20.38	NORM	NORM	DRY	NORM	WET
2010	2.01	1.81	2.41	3.45	2.14	5.43	4.55	12.86	16.98	15.73	24.02	26.65	NORM	NORM	NORM	WET	WET
2011	1.91	1.42	3.79	3.89	6.47	1.79	0.47	16.12	20.67	30.98	22.20	11.46	WET	WET	WET	NORM	NORM
2012	0.35	4.21	1.80	2.71	2.99	1.51	0.20	14.17	15.94	16.19	13.22	6.61	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	1.02	1.63	1.97
April	1.07	2.02	2.46
May	1.50	2.37	2.86
June	1.93	3.30	4.01
July	2.18	3.44	4.15
August	1.91	2.79	3.32
Sept.	0.89	1.86	2.28
Jun-MAM	7.66	12.78	15.47
Jul-JMA	9.86	16.66	20.21
Aug-JJM	11.90	19.29	23.33
Sep-AJJ	12.02	18.55	22.27
Oct-SAJ	8.67	14.60	17.63

Normals are for 1971-2000 data

March	1.63
April	2.02
May	2.37
June	3.30
July	3.44
August	2.79
Sept.	1.86

NOTE:
Sisseton NWS Station (SD7742) was used for April 1998 and May 2008; May and June 2010.

Rainfall Data
Canby
Station #MN1263
Yellow Medicine County, MN

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.99	0.13	1.02	7.12	2.09	4.68	0.83	4.31	23.53	21.53	25.34	13.94	DRY	NORM	NORM	WET	NORM
1981	1.40	1.33	1.16	5.41	4.30	1.11	1.15	7.54	19.88	24.88	17.34	9.97	DRY	NORM	NORM	NORM	NORM
1982	1.06	1.73	2.67	1.88	6.18	2.04	3.07	12.53	12.71	24.97	20.36	19.47	NORM	NORM	NORM	NORM	WET
1983	3.47	2.00	3.22	3.44	1.79	1.30	2.68	17.13	18.76	15.47	10.92	12.43	NORM	NORM	NORM	DRY	NORM
1984	2.28	3.47	2.58	7.43	0.97	3.49	3.97	16.96	30.92	20.35	19.84	19.86	NORM	WET	NORM	NORM	WET
1985	3.14	2.37	2.75	1.91	3.28	4.31	3.70	16.13	13.60	16.41	21.40	23.00	NORM	NORM	NORM	NORM	WET
1986	1.64	4.36	3.25	4.68	6.57	2.09	5.65	20.11	24.90	32.32	24.09	27.70	WET	WET	WET	WET	WET
1987	1.83	0.38	1.78	2.78	5.02	2.41	2.46	7.93	12.28	22.40	20.05	17.22	DRY	NORM	NORM	NORM	NORM
1988	0.85	1.81	2.17	1.47	1.51	4.07	3.32	10.98	10.56	9.64	16.70	19.61	NORM	DRY	DRY	NORM	WET
1989	2.83	1.75	1.11	1.91	3.56	0.97	4.15	9.66	9.70	15.61	11.94	17.95	NORM	DRY	NORM	DRY	NORM
1990	2.40	1.45	5.32	6.76	4.87	2.79	1.07	21.26	32.37	33.45	24.87	13.66	WET	WET	WET	WET	NORM
1991	1.55	3.31	4.49	9.06	2.82	2.74	2.91	21.64	39.47	31.07	22.92	17.03	WET	WET	WET	NORM	NORM
1992	1.60	1.54	0.74	5.26	6.10	4.30	1.99	6.90	18.80	29.56	30.36	20.67	DRY	NORM	WET	WET	WET
1993	1.57	2.83	6.18	10.22	5.44	3.28	2.61	25.77	45.85	42.94	30.94	19.83	WET	WET	WET	WET	WET
1994	0.46	3.47	1.42	6.95	6.64	2.80	3.36	11.66	27.16	35.24	28.63	22.32	NORM	WET	WET	WET	WET
1995	3.95	5.66	5.15	2.70	5.12	2.13	3.28	30.72	24.06	25.91	19.33	19.22	WET	NORM	WET	NORM	NORM
1996	1.00	1.03	4.77	2.70	0.51	4.52	1.95	17.37	18.67	11.70	17.28	15.40	NORM	NORM	DRY	NORM	NORM
1997	1.44	2.69	1.17	0.59	4.79	3.69	2.65	10.33	6.80	16.72	21.24	20.12	NORM	DRY	NORM	NORM	WET
1998	1.68	2.77	1.46	1.58	2.16	1.66	0.52	11.60	10.43	11.10	10.88	7.04	NORM	DRY	DRY	DRY	DRY
1999	0.79	3.73	3.39	4.41	2.45	1.68	2.05	18.42	23.74	19.56	14.35	11.96	WET	NORM	NORM	NORM	NORM
2000	1.25	1.56	5.74	3.89	5.02	0.91	0.47	21.59	24.71	28.58	16.66	8.25	WET	NORM	WET	NORM	DRY
2001	0.87	8.30	3.24	3.62	2.92	1.09	2.86	27.19	25.64	19.24	12.73	13.68	WET	WET	NORM	NORM	NORM
2002	2.57	2.44	2.28	2.81	2.20	5.83	0.88	14.29	15.43	14.50	24.70	16.50	NORM	NORM	NORM	WET	NORM
2003	0.62	2.80	3.53	3.17	3.33	1.37	2.84	16.81	19.37	19.86	13.94	14.59	NORM	NORM	NORM	NORM	NORM
2004	0.64	1.75	4.72	4.45	2.73	4.15	4.11	18.30	24.54	21.81	22.36	23.36	NORM	NORM	NORM	NORM	WET
2005	0.65	2.75	3.53	4.05	1.68	2.25	4.94	16.74	21.96	16.67	14.16	21.00	NORM	NORM	NORM	NORM	WET
2006	1.67	2.99	3.00	1.86	1.57	4.41	7.44	16.65	14.57	11.43	18.23	32.71	NORM	NORM	DRY	NORM	WET
2007	3.20	4.48	1.91	3.32	1.07	3.73	1.24	17.89	18.26	11.76	16.65	12.25	NORM	NORM	DRY	NORM	NORM
2008	1.30	3.19	3.50	3.69	2.14	1.53	1.15	18.18	21.26	17.30	12.56	8.65	NORM	NORM	NORM	NORM	DRY
2009	2.15	0.99	0.87	3.05	2.54	2.60	1.83	6.74	11.88	14.59	15.93	13.23	DRY	NORM	NORM	NORM	NORM
2010	1.25	0.97	2.48	5.89	3.65	3.45	9.95	10.63	23.60	25.21	23.54	40.40	NORM	NORM	NORM	WET	WET
2011	2.15	2.05	4.66	4.44	5.74	0.51	0.31	20.23	24.69	30.76	17.45	7.69	WET	NORM	WET	NORM	DRY
2012	1.46	3.44	5.57	2.59	0.10	1.68	0.46	25.05	22.35	11.05	7.83	4.84	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	1.01	1.78	2.17
April	1.31	2.27	2.76
May	1.71	2.92	3.55
June	2.25	4.09	4.99
July	2.01	3.35	4.06
August	1.90	2.78	3.31
Sept.	1.37	2.38	2.89
Jun-MAM	8.76	15.08	18.34
Jul-JMA	11.48	20.38	24.83
Aug-JJM	12.24	21.15	25.71
Sep-AJJ	11.97	19.13	23.04
Oct-SAJ	9.92	16.05	19.35

Normals are for 1971-2000 data

March	1.78
April	2.27
May	2.92
June	4.09
July	3.35
August	2.78
Sept.	2.38

NOTE:
Clear Lake NWS Station (SD1777) was used for Sep. 2006.

Rainfall Data
Luverne
Station #MN4937
Luverne, MN

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.78	0.83	3.45	1.96	1.64	7.35	2.62	12.79	13.61	12.29	27.29	24.20	NORM	DRY	DRY	WET	WET
1981	1.83	1.66	1.16	6.54	4.52	5.78	0.94	8.63	23.60	27.80	32.92	18.90	DRY	NORM	WET	WET	NORM
1982	1.51	1.52	6.46	1.18	4.35	4.21	4.46	23.93	17.98	21.87	22.51	26.15	WET	NORM	NORM	NORM	WET
1983	4.27	1.39	2.28	7.93	2.02	1.42	1.12	13.89	29.74	24.20	16.23	8.22	NORM	WET	NORM	NORM	DRY
1984	3.01	5.73	4.04	8.29	3.11	1.60	1.02	26.59	38.68	29.95	19.31	9.37	WET	WET	WET	NORM	NORM
1985	2.90	4.41	4.30	3.00	1.87	5.38	4.16	24.62	22.01	15.91	22.88	25.11	WET	NORM	NORM	NORM	WET
1986	2.46	5.47	3.10	4.19	5.21	2.33	8.80	22.70	24.24	27.11	21.60	36.27	WET	NORM	WET	NORM	WET
1987	3.85	0.43	3.10	1.82	4.36	3.35	2.33	14.01	12.09	19.82	20.59	18.05	NORM	DRY	NORM	NORM	NORM
1988	0.46	3.15	1.32	1.87	0.63	2.74	4.60	10.72	11.40	6.95	11.35	19.91	DRY	DRY	DRY	NORM	NORM
1989	1.71	2.27	1.82	3.30	4.65	2.42	2.74	11.71	15.81	22.37	19.86	17.71	DRY	NORM	NORM	NORM	NORM
1990	1.73	1.43	4.48	3.34	3.07	3.08	0.49	18.03	20.41	20.37	18.72	10.70	NORM	NORM	NORM	NORM	NORM
1991	0.72	2.39	3.06	4.30	0.77	1.62	4.12	14.68	21.41	13.97	10.70	16.37	NORM	NORM	NORM	DRY	NORM
1992	1.94	2.08	1.71	4.57	9.07	5.42	2.69	11.23	19.21	38.06	38.97	27.98	DRY	NORM	WET	WET	WET
1993	1.87	2.04	6.77	9.13	10.49	3.30	1.52	26.26	42.97	56.50	40.01	21.65	WET	WET	WET	WET	WET
1994	0.14	4.27	1.75	8.78	1.27	3.18	1.68	13.93	34.11	23.12	20.86	12.67	NORM	WET	NORM	NORM	NORM
1995	4.67	3.93	4.50	1.96	4.60	2.01	3.35	26.03	18.81	22.22	17.19	18.67	WET	NORM	NORM	NORM	NORM
1996	0.82	0.38	4.07	4.37	1.61	3.31	2.65	13.79	21.63	17.64	17.52	16.18	NORM	NORM	NORM	NORM	NORM
1997	0.46	1.77	3.47	4.14	2.06	1.00	1.52	14.41	21.13	17.93	11.26	8.62	NORM	NORM	NORM	NORM	DRY
1998	2.48	2.55	0.83	5.00	4.35	3.81	0.16	10.07	19.21	23.88	25.13	12.45	DRY	NORM	NORM	WET	NORM
1999	2.49	4.06	2.84	4.34	3.21	1.53	1.80	19.13	22.76	21.15	15.35	11.67	NORM	NORM	NORM	NORM	NORM
2000	0.87	4.26	5.69	2.34	2.91	0.58	0.66	26.46	22.66	19.10	9.90	6.05	WET	NORM	NORM	DRY	DRY
2001	0.00	6.97	1.92	2.97	3.15	0.39	1.03	19.70	19.72	17.31	10.44	7.02	NORM	NORM	NORM	DRY	DRY
2002	1.41	2.29	1.82	2.57	1.80	8.26	1.30	11.45	13.64	12.36	30.95	22.22	DRY	DRY	DRY	WET	WET
2003	0.22	3.69	2.64	3.54	2.00	1.42	4.74	15.52	19.59	15.72	11.80	19.06	NORM	NORM	NORM	NORM	NORM
2004	2.03	1.28	8.10	6.00	1.40	2.18	5.12	28.89	35.48	24.30	15.34	21.12	WET	WET	NORM	NORM	WET
2005	0.00	2.87	2.99	6.19	3.54	1.48	2.22	14.71	27.42	25.99	17.71	13.16	NORM	WET	WET	NORM	NORM
2006	2.00	6.17	1.02	3.61	0.23	3.90	1.96	17.40	19.04	8.93	15.77	13.91	NORM	NORM	DRY	NORM	NORM
2007	4.97	1.93	2.63	3.98	0.32	6.18	2.27	16.72	19.13	11.55	23.16	19.49	NORM	NORM	DRY	WET	NORM
2008	1.34	2.68	3.34	3.95	2.52	1.91	1.78	16.72	21.21	18.80	14.72	11.68	NORM	NORM	NORM	NORM	NORM
2009	1.31	1.95	1.43	3.07	3.71	1.93	1.21	9.50	14.02	18.70	16.28	11.20	DRY	DRY	NORM	NORM	NORM
2010	1.92	2.46	1.81	7.34	8.99	3.84	8.66	12.27	28.10	43.46	36.84	42.65	DRY	WET	WET	WET	WET
2011	0.74	3.09	5.42	4.26	5.76	1.40	0.20	23.18	26.71	31.22	19.98	9.16	WET	WET	WET	NORM	DRY
2012	0.78	2.17	8.89	0.47	0.71	1.91	0.50	31.79	21.36	11.96	7.62	6.03	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.98	2.00	2.44
April	1.63	2.75	3.34
May	2.81	3.75	4.38
June	2.36	3.61	4.33
July	1.86	3.30	4.02
August	1.56	2.90	3.54
Sept.	1.40	2.42	2.94
Jun-MAM	12.67	18.75	22.26
Jul-JMA	14.33	21.08	25.09
Aug-JJM	13.11	20.87	25.10
Sep-AJJ	10.76	18.91	22.99
Oct-SAJ	9.18	16.36	19.92

Normals are for 1971-2000 data

March	2.00
April	2.75
May	3.75
June	3.61
July	3.30
August	2.90
Sept.	2.42

NOTE:

Sioux Falls Foss FLD NWS Station (SD7667) was used for June 1982; March 1996; April and May 2001; March-August 2002; March-June and September 2003; March-July and September 2004; April and May 2006; March-Sept. 2007-09; March-Sept. 2011.

Rock Co. NWS Station (MN7012) was used for March and June-September 2001; September 2002; July and August 2003; August 2004; and March-September 2005; and March and June-September 2006.

Rock Rapids NWS Station (IA7147) was used for March-Sept. 2010 and 2012.

Rainfall Data
Madison Sewage Plant
Station #MN4994
Lac Qui Parle County, MN

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.49	0.13	1.50	5.58	2.50	2.99	0.61	5.25	19.87	20.16	19.55	10.31	DRY	NORM	NORM	NORM	NORM
1981	0.64	0.81	0.94	4.99	2.58	2.51	0.79	5.08	17.66	18.66	17.68	9.97	DRY	NORM	NORM	NORM	NORM
1982	0.56	2.22	2.92	1.46	4.27	1.24	1.65	13.76	12.44	18.65	13.72	11.70	NORM	NORM	NORM	NORM	NORM
1983	2.34	0.95	2.60	3.96	2.64	1.93	3.33	12.04	18.03	18.44	15.03	16.49	NORM	NORM	NORM	NORM	NORM
1984	1.29	2.91	2.50	8.11	1.96	1.59	3.50	14.61	32.24	24.60	16.80	15.64	NORM	WET	NORM	NORM	NORM
1985	1.52	2.37	2.75	1.91	3.28	4.31	3.70	14.51	13.60	16.41	21.40	23.00	NORM	NORM	NORM	NORM	WET
1986	1.64	5.00	2.98	2.60	6.98	2.09	3.82	20.58	18.76	29.12	22.83	22.62	WET	NORM	WET	NORM	WET
1987	1.37	0.53	1.55	1.27	4.08	2.84	2.46	7.08	7.44	16.33	17.95	17.14	DRY	DRY	NORM	NORM	NORM
1988	0.69	0.89	2.24	0.72	0.53	3.41	3.32	9.19	7.53	5.27	12.01	17.31	NORM	DRY	DRY	DRY	NORM
1989	2.42	2.66	1.73	2.69	5.72	2.49	1.44	12.93	14.19	24.27	21.60	15.02	NORM	NORM	NORM	NORM	NORM
1990	1.51	1.22	2.92	5.17	3.39	3.56	1.05	12.71	22.57	23.43	22.63	13.66	NORM	NORM	NORM	NORM	NORM
1991	1.44	4.56	4.15	8.30	6.04	4.07	2.32	23.01	37.76	38.87	32.59	21.14	WET	WET	WET	WET	WET
1992	1.13	1.41	0.36	8.81	3.29	2.74	1.34	5.03	28.56	27.85	23.61	12.79	DRY	WET	WET	WET	NORM
1993	0.85	2.10	4.82	7.28	5.94	2.43	2.33	19.51	33.58	37.20	26.45	17.79	WET	WET	WET	WET	NORM
1994	0.59	3.59	2.01	4.17	3.64	2.65	3.00	13.80	20.12	21.27	19.40	17.94	NORM	NORM	NORM	NORM	NORM
1995	3.32	3.48	3.68	1.23	6.45	3.20	3.65	21.32	14.53	25.49	23.73	23.80	WET	NORM	NORM	WET	WET
1996	0.79	0.45	5.32	1.16	1.08	4.52	1.95	17.65	14.57	10.88	16.88	15.97	NORM	NORM	DRY	NORM	NORM
1997	1.01	3.41	1.11	1.37	7.44	3.48	1.38	11.16	9.74	26.17	26.69	18.54	NORM	DRY	WET	WET	NORM
1998	1.97	2.46	3.32	1.77	2.14	3.52	0.51	16.85	14.41	13.28	16.61	10.71	NORM	NORM	NORM	NORM	NORM
1999	0.92	2.10	5.02	4.00	3.47	3.08	2.90	20.18	24.14	23.43	20.18	18.33	WET	WET	NORM	NORM	NORM
2000	1.46	1.59	4.25	3.03	4.18	0.55	0.81	17.39	19.18	22.85	13.04	7.71	NORM	NORM	NORM	NORM	DRY
2001	0.76	6.75	2.41	4.09	2.79	0.93	3.13	21.49	23.84	18.96	12.46	14.04	WET	WET	NORM	DRY	NORM
2002	0.34	1.75	1.94	3.93	1.74	5.40	1.13	9.66	17.42	15.02	23.61	15.93	NORM	NORM	NORM	WET	NORM
2003	0.30	2.58	4.17	1.42	1.72	1.04	2.39	17.97	15.18	12.17	7.98	10.97	WET	NORM	DRY	DRY	NORM
2004	0.85	1.44	3.16	1.46	2.58	2.04	5.31	13.21	12.14	13.82	12.74	22.59	NORM	NORM	NORM	NORM	WET
2005	0.20	2.51	3.06	4.72	2.62	2.41	4.52	14.40	22.79	20.36	17.19	21.00	NORM	NORM	NORM	NORM	WET
2006	1.26	2.96	2.05	2.91	2.59	3.32	5.40	13.33	15.79	15.64	18.05	25.43	NORM	NORM	NORM	NORM	WET
2007	1.86	4.39	1.85	4.41	0.78	3.05	2.91	16.19	21.32	13.01	15.12	15.61	NORM	NORM	NORM	NORM	NORM
2008	1.14	2.59	4.11	4.00	2.38	0.83	2.26	18.65	22.81	19.25	11.25	10.82	WET	NORM	NORM	DRY	NORM
2009	3.65	0.82	0.42	1.81	1.90	4.63	0.28	6.55	7.09	9.74	19.50	12.00	DRY	DRY	DRY	NORM	NORM
2010	0.93	0.82	2.26	6.31	3.85	3.83	6.32	9.35	24.27	26.43	25.50	30.47	NORM	WET	WET	WET	WET
2011	1.76	1.99	3.86	4.62	7.32	0.92	0.21	17.32	23.57	35.06	22.02	9.79	NORM	NORM	WET	NORM	DRY
2012	1.36	3.54	4.54	2.07	0.50	2.30	0.31	22.06	18.83	10.18	9.97	6.03	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.78	1.49	1.81
April	1.27	2.19	2.67
May	1.74	2.94	3.58
June	2.12	3.77	4.60
July	2.10	3.52	4.26
August	2.07	2.90	3.44
Sept.	1.19	2.15	2.62
Jun-MAM	8.54	14.69	17.89
Jul-JMA	11.11	19.38	23.63
Aug-JJM	12.28	21.04	25.56
Sep-AJJ	12.53	19.51	23.44
Oct-SAJ	9.81	15.77	19.00

Normals are for 1971-2000 data

March	1.49
April	2.19
May	2.94
June	3.77
July	3.52
August	2.90
Sept.	2.15

NOTE:
Canby NWS Station (MN1263) was used for April 1980; April-Sept. 1985; Mar. and Aug. 1986; Sept. 1987 and 1988; and Aug. and Sept. 1996.

Rainfall Data
Pipestone
Station #MN6565
Pipestone County, MN

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.69	0.52	2.00	3.17	1.48	8.26	0.55	7.73	14.03	12.78	30.91	19.65	DRY	NORM	DRY	WET	NORM
1981	1.26	1.28	0.58	2.84	4.24	5.29	0.83	5.56	10.96	18.98	27.19	17.31	DRY	DRY	NORM	WET	NORM
1982	0.86	1.93	4.26	2.23	4.25	3.15	1.69	17.50	17.14	21.47	20.18	15.62	NORM	NORM	NORM	NORM	NORM
1983	3.67	2.31	2.49	6.56	3.24	2.39	1.57	15.76	26.97	25.33	20.21	12.73	NORM	WET	NORM	NORM	NORM
1984	1.88	4.86	3.06	9.57	2.99	1.18	0.94	20.78	39.69	31.17	19.09	8.17	WET	WET	WET	NORM	DRY
1985	2.86	3.30	4.77	1.66	1.60	4.50	4.70	23.77	17.82	12.89	18.36	24.70	WET	NORM	DRY	NORM	WET
1986	1.64	5.33	3.64	5.07	3.90	2.83	10.25	23.22	27.82	25.48	21.36	40.31	WET	WET	NORM	NORM	WET
1987	3.59	0.37	3.87	1.69	6.96	1.32	3.63	15.94	13.18	28.13	19.57	20.49	NORM	NORM	WET	NORM	NORM
1988	0.63	3.00	2.00	2.17	0.99	2.32	3.54	12.63	13.51	9.31	11.11	16.25	NORM	NORM	DRY	DRY	NORM
1989	2.02	1.69	0.96	3.00	7.75	1.46	2.34	8.28	12.61	30.21	22.88	17.69	DRY	DRY	WET	NORM	NORM
1990	2.00	1.58	4.83	4.04	5.07	3.17	0.41	19.65	23.36	28.12	23.69	12.64	NORM	NORM	WET	NORM	NORM
1991	0.64	2.13	3.18	3.28	1.48	2.25	4.59	14.44	18.33	14.18	12.99	19.75	NORM	NORM	NORM	NORM	NORM
1992	2.59	1.26	0.73	4.11	4.47	5.58	2.78	7.30	15.05	22.36	29.79	23.97	DRY	NORM	NORM	WET	WET
1993	1.14	2.19	8.61	9.86	6.29	2.92	2.86	31.35	48.99	47.20	31.20	20.71	WET	WET	WET	WET	NORM
1994	0.29	4.66	1.62	4.15	1.46	3.70	3.22	14.47	20.35	14.30	18.17	18.52	NORM	NORM	NORM	NORM	NORM
1995	4.07	5.62	3.94	2.83	6.42	3.21	3.50	27.13	21.99	28.86	25.30	23.34	WET	NORM	WET	WET	WET
1996	0.64	0.34	4.10	3.17	1.21	2.18	4.58	13.62	18.05	14.07	12.13	19.31	NORM	NORM	NORM	DRY	NORM
1997	0.85	2.01	2.08	3.67	1.91	1.11	1.92	11.11	17.18	15.15	10.82	9.89	NORM	NORM	NORM	DRY	DRY
1998	3.24	2.21	1.99	3.26	2.37	3.28	1.38	13.63	15.97	15.62	17.84	13.07	NORM	NORM	NORM	NORM	NORM
1999	0.83	5.25	3.22	6.79	3.38	2.29	1.35	20.99	32.06	26.94	20.42	12.01	WET	WET	WET	NORM	NORM
2000	1.08	3.01	7.83	2.08	1.71	2.39	0.95	30.59	24.91	17.12	12.67	9.34	WET	NORM	NORM	NORM	DRY
2001	0.08	6.89	3.57	5.19	2.59	0.80	3.14	24.57	29.60	21.72	12.77	13.61	WET	WET	NORM	NORM	NORM
2002	1.75	2.60	1.33	4.85	1.93	7.66	1.97	10.94	19.81	16.82	31.69	23.16	NORM	NORM	NORM	WET	WET
2003	0.43	7.64	2.74	4.08	1.79	1.67	4.29	23.93	25.36	16.27	12.67	18.00	WET	WET	NORM	NORM	NORM
2004	1.81	1.11	6.72	3.53	4.44	2.85	5.21	24.19	25.14	27.10	20.96	25.77	WET	NORM	WET	NORM	WET
2005	1.11	2.24	3.73	6.27	5.34	2.36	7.9	16.78	28.51	32.29	24.03	33.76	NORM	WET	WET	WET	WET
2006	2.82	3.24	1.63	2.82	0.24	5.47	3.44	14.19	14.96	7.99	19.71	21.50	NORM	NORM	DRY	NORM	NORM
2007	1.92	2.42	3.08	1.06	0.30	6.20	2.58	16.00	11.76	6.10	20.26	20.44	NORM	DRY	DRY	NORM	NORM
2008	1.13	2.72	2.92	5.04	2.64	1.81	1.51	15.33	23.68	20.92	15.75	10.79	NORM	NORM	NORM	NORM	NORM
2009	1.10	2.11	1.62	3.58	3.20	4.00	0.89	10.18	16.09	18.38	21.98	13.87	NORM	NORM	NORM	NORM	NORM
2010	0.59	2.01	3.53	7.78	6.02	5.06	9.58	15.20	32.41	37.15	35.00	44.88	NORM	WET	WET	WET	WET
2011	1.42	3.11	6.63	4.25	7.54	1.49	0.23	27.53	29.12	37.75	23.80	11.21	WET	WET	WET	NORM	NORM
2012	1.31	4.94	11.06	1.69	0.41	1.58	1.12	44.37	32.13	15.67	7.25	6.93	WET	WET	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.98	1.72	2.09
April	1.39	2.41	2.94
May	1.84	3.32	4.05
June	2.55	3.93	4.73
July	2.07	3.31	4.00
August	1.94	2.76	3.75
Sept.	1.46	2.22	3.36
Jun-MAM	9.28	16.50	20.12
Jul-JMA	12.72	20.84	25.23
Aug-JJM	13.15	21.11	25.51
Sep-AJJ	12.51	18.83	23.98
Oct-SAJ	10.33	15.49	21.58

Normals are for 1971-2000 data

March	1.72
April	2.41
May	3.32
June	3.93
July	3.31
August	2.76
Sept.	2.22

NOTE:
Flandreau NWS Station (SD2984) was used for Sept. 1981.

Rainfall Data
Wheaton
Station #MN8907
Traverse County, MN

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.68	0.11	1.28	5.52	1.72	2.74	2.11	4.74	19.23	17.48	17.18	13.53	DRY	NORM	NORM	NORM	NORM
2	1981	0.67	1.42	1.47	3.96	1.99	1.98	0.58	7.92	16.24	15.36	13.88	7.69	NORM	NORM	NORM	NORM	DRY
3	1982	2.56	0.28	1.18	2.11	3.06	5.05	2.17	6.66	8.97	14.58	23.38	19.67	DRY	DRY	NORM	WET	WET
4	1983	2.48	0.62	0.64	2.68	2.64	2.95	2.07	5.64	9.94	13.92	16.81	14.75	DRY	DRY	NORM	NORM	NORM
5	1984	1.63	2.94	1.27	8.72	1.64	1.88	0.90	11.32	31.64	23.63	17.64	8.10	NORM	WET	WET	NORM	DRY
6	1985	1.88	1.30	5.35	1.73	2.81	3.20	3.22	20.53	17.19	17.24	16.95	18.87	WET	NORM	NORM	NORM	WET
7	1986	0.93	6.01	2.45	5.99	3.90	4.37	4.84	20.30	28.88	26.13	26.90	27.16	WET	WET	WET	WET	WET
8	1987	1.30	0.60	2.13	0.79	3.76	1.27	2.95	8.89	7.23	14.99	12.12	15.15	NORM	DRY	NORM	NORM	NORM
9	1988	0.96	0.42	4.15	1.74	1.26	4.74	4.52	14.25	13.94	11.41	18.48	24.30	NORM	NORM	DRY	NORM	WET
10	1989	1.68	2.57	1.67	1.80	5.16	2.07	2.27	11.83	11.31	20.75	18.33	16.11	NORM	NORM	NORM	NORM	NORM
11	1990	2.35	2.15	1.48	5.37	2.51	3.31	2.75	11.09	21.22	19.75	20.32	17.38	NORM	NORM	NORM	NORM	NORM
12	1991	1.84	5.09	3.96	7.81	3.98	3.02	2.59	23.90	36.44	31.52	24.83	17.79	WET	WET	WET	WET	WET
13	1992	1.10	1.66	1.45	5.00	1.74	1.77	2.32	8.77	19.56	16.67	13.79	12.24	NORM	NORM	NORM	NORM	NORM
14	1993	1.48	1.82	3.97	4.82	7.13	2.27	1.66	17.03	24.22	35.00	25.89	16.65	WET	WET	WET	WET	NORM
15	1994	0.56	4.22	1.49	2.80	5.01	2.25	2.01	13.47	15.60	22.12	19.57	15.54	NORM	NORM	NORM	NORM	NORM
16	1995	4.10	2.39	3.96	2.12	4.33	3.20	5.92	20.76	16.67	21.19	20.38	28.49	WET	NORM	NORM	NORM	WET
17	1996	0.82	0.21	4.49	1.96	3.12	0.79	3.64	14.71	15.07	17.77	10.57	15.62	NORM	NORM	NORM	DRY	NORM
18	1997	1.52	2.90	1.56	1.33	3.19	4.01	0.95	12.00	10.01	13.79	19.74	14.06	NORM	DRY	NORM	NORM	NORM
19	1998	0.93	1.58	3.77	2.84	2.90	1.62	0.27	15.40	17.64	18.15	13.50	6.95	NORM	NORM	NORM	NORM	DRY
20	1999	1.57	1.44	4.43	4.11	3.62	2.99	3.13	17.74	22.63	23.51	20.32	18.99	WET	WET	WET	NORM	WET
21	2000	1.41	2.90	0.99	3.29	5.33	1.17	1.42	10.18	14.75	23.56	17.46	11.93	NORM	NORM	WET	NORM	NORM
22	2001	0.37	4.66	2.59	4.22	5.19	2.73	3.56	17.46	22.50	26.60	22.79	21.33	WET	WET	WET	WET	WET
23	2002	0.99	1.53	2.50	3.29	5.18	2.44	1.04	11.55	16.40	24.62	20.97	13.18	NORM	NORM	WET	NORM	NORM
24	2003	0.06	2.12	2.35	6.98	1.42	0.52	1.56	11.35	27.76	20.57	11.38	7.14	NORM	WET	NORM	DRY	DRY
25	2004	1.01	1.29	5.24	2.81	6.09	3.67	7.89	19.31	20.20	29.13	26.00	37.10	WET	NORM	WET	WET	WET
26	2005	0.06	1.26	2.30	8.92	3.90	4.13	3.45	9.48	32.62	31.84	29.11	22.51	NORM	WET	WET	WET	WET
27	2006	1.14	3.11	2.26	3.21	1.32	4.00	7.75	14.14	17.26	12.64	17.85	32.57	NORM	NORM	DRY	NORM	WET
28	2007	2.50	4.62	4.94	8.09	1.06	3.53	3.72	26.56	38.77	24.30	20.80	19.28	WET	WET	WET	NORM	WET
29	2008	1.01	3.06	1.66	4.58	0.70	3.00	3.76	12.11	20.12	12.92	14.98	17.98	NORM	NORM	NORM	NORM	WET
30	2009	2.58	1.06	1.19	2.26	1.28	2.70	2.53	8.27	10.22	9.55	12.92	14.27	NORM	DRY	DRY	NORM	NORM
31	2010	1.21	1.87	1.81	2.94	3.59	3.95	7.42	10.38	14.31	18.46	21.97	33.75	NORM	NORM	NORM	WET	WET
32	2011	1.07	1.48	3.36	4.12	8.02	2.52	0.41	14.11	20.56	35.66	27.72	14.29	NORM	NORM	WET	WET	NORM
33	2012	0.55	4.10	1.99	3.62	3.33	2.57	0.12	14.72	18.94	19.22	17.99	8.83	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.9	1.50	1.83
April	0.92	1.95	2.38
May	1.54	2.54	3.08
June	2.31	3.77	4.56
July	2.20	3.11	3.68
August	1.66	2.53	3.04
Sept.	0.96	2.10	2.56
Jun-MAM	7.36	13.02	15.83
Jul-JMA	10.93	18.34	22.22
Aug-JJM	12.76	19.41	23.24
Sep-AJJ	11.69	17.58	21.04
Oct-SAJ	8.40	14.47	17.44

Normals are for 1971-2000 data

March	1.50
April	1.95
May	2.54
June	3.77
July	3.11
August	2.53
Sept.	2.10

NOTE:

Victor 4 NNE NWS Station (SD8652) was used for May 1987.

White Rock Dam NWS Station (MN8947) was used for July 2010.

Rainfall Data
Forbes 10 NW
Station #ND3064
Dickey County, ND

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.12	0.60	1.51	2.48	2.34	2.98	0.27	6.85	11.06	13.49	16.10	9.11	DRY	NORM	NORM	NORM	NORM
1981	1.30	0.73	2.18	4.65	6.89	2.57	1.55	9.30	19.04	32.15	26.14	16.68	NORM	NORM	WET	WET	WET
1982	1.07	0.99	3.77	1.58	1.53	0.68	1.57	14.36	13.27	11.52	6.68	7.60	NORM	NORM	NORM	DRY	NORM
1983	2.00	1.20	1.32	3.05	2.35	1.57	0.72	8.36	12.99	14.47	12.46	7.65	NORM	NORM	NORM	NORM	NORM
1984	2.37	3.40	1.62	4.27	1.79	3.05	0.96	14.03	19.45	15.53	17.00	10.77	NORM	NORM	NORM	NORM	NORM
1985	1.33	0.46	4.10	1.64	0.34	1.51	2.09	14.55	13.58	8.40	6.85	9.63	NORM	NORM	DRY	DRY	NORM
1986	0.86	7.38	3.03	1.35	3.42	2.03	4.47	24.71	17.49	15.99	14.28	20.89	WET	NORM	NORM	NORM	WET
1987	1.48	0.00	2.79	1.90	4.06	3.07	0.41	9.85	11.28	18.77	19.23	11.43	NORM	NORM	NORM	WET	NORM
1988	0.18	0.03	2.61	1.52	0.35	1.72	1.89	8.07	9.81	6.70	7.38	9.46	NORM	DRY	DRY	DRY	NORM
1989	1.81	2.31	1.37	1.20	2.05	3.83	0.81	10.54	8.65	9.92	16.79	12.14	NORM	DRY	NORM	NORM	NORM
1990	0.36	1.36	1.26	4.83	1.90	2.12	2.52	6.86	18.37	16.62	14.99	13.70	DRY	NORM	NORM	NORM	NORM
1991	0.74	2.60	7.61	5.20	1.84	2.29	0.62	28.77	33.42	23.53	15.75	8.28	WET	WET	WET	NORM	NORM
1992	1.01	1.10	2.71	3.28	2.02	2.28	0.59	11.34	16.36	15.33	14.16	8.35	NORM	NORM	NORM	NORM	NORM
1993	0.13	0.61	4.18	5.64	6.63	2.13	1.55	13.89	25.89	35.35	25.29	15.54	NORM	WET	WET	WET	WET
1994	0.30	1.81	1.29	1.40	8.42	2.68	1.71	7.79	8.59	29.35	26.28	18.91	DRY	DRY	WET	WET	WET
1995	2.03	1.56	5.65	2.20	3.03	0.99	1.42	22.10	19.46	19.14	11.23	9.27	WET	NORM	NORM	NORM	NORM
1996	0.67	0.19	5.55	2.14	1.88	0.68	6.91	17.70	17.71	15.47	7.94	23.97	WET	NORM	NORM	DRY	WET
1997	1.16	1.19	1.25	3.00	2.85	1.03	1.01	7.29	12.69	15.80	11.79	7.94	DRY	NORM	NORM	NORM	NORM
1998	0.76	1.90	1.92	4.88	2.98	6.89	1.11	10.32	20.38	20.62	31.51	20.09	NORM	NORM	WET	WET	WET
1999	0.85	2.45	4.32	4.26	3.23	2.98	4.78	18.71	23.87	22.53	19.66	23.53	WET	WET	WET	WET	WET
2000	1.55	1.36	2.42	1.90	3.58	1.11	1.31	11.53	11.90	16.96	12.39	9.73	NORM	NORM	NORM	NORM	NORM
2001	0.00	2.68	1.44	3.33	2.66	0.98	3.21	9.68	15.55	16.08	11.59	14.25	NORM	NORM	NORM	NORM	NORM
2002	0.87	1.58	1.57	0.88	4.04	1.82	3.01	8.74	7.36	15.45	14.42	16.71	NORM	DRY	NORM	NORM	WET
2003	0.56	1.59	6.88	6.77	0.98	0.31	1.30	24.38	35.66	23.36	9.66	5.50	WET	WET	WET	NORM	DRY
2004	2.79	0.70	4.30	2.67	2.32	1.78	5.60	17.09	17.31	16.60	12.65	22.68	WET	NORM	NORM	NORM	WET
2005	0.08	0.65	4.69	8.76	3.73	3.54	5.24	15.45	36.31	33.40	26.84	26.53	NORM	WET	WET	WET	WET
2006	0.77	1.60	3.90	1.17	1.45	4.53	3.15	15.67	12.91	10.59	17.66	19.96	NORM	NORM	NORM	WET	WET
2007	1.39	2.45	4.97	3.27	3.68	3.20	1.10	21.20	22.20	22.55	20.23	13.38	WET	WET	WET	WET	NORM
2008	0.52	0.80	2.07	5.81	3.65	2.86	5.12	8.33	22.37	24.64	21.69	24.73	NORM	WET	WET	WET	WET
2009	2.83	1.43	0.85	3.11	3.09	3.43	2.96	8.24	12.46	16.34	19.58	18.83	NORM	NORM	NORM	WET	WET
2010	1.02	1.36	5.23	1.77	1.18	0.99	4.36	19.43	17.13	12.31	7.10	16.24	WET	NORM	NORM	DRY	WET
2011	1.04	2.96	2.82	4.37	4.60	2.26	1.09	15.42	21.71	25.36	20.35	12.39	NORM	WET	WET	WET	NORM
2012	0.44	4.17	1.85	0.98	2.08	1.14	0.22	14.33	10.81	10.05	8.56	5.02	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.66	1.30	1.58
April	0.78	1.74	2.15
May	1.91	3.01	3.62
June	1.85	3.17	3.85
July	1.24	2.45	3.00
August	1.35	2.10	2.53
Sept.	0.72	1.74	2.13
Jun-MAM	7.95	13.81	16.74
Jul-JMA	10.15	17.27	20.94
Aug-JJM	9.33	16.70	20.32
Sep-AJJ	8.38	14.37	17.44
Oct-SAJ	6.10	11.87	14.45

Normals are for 1971-2000 data

March	1.30
April	1.74
May	3.01
June	3.17
July	2.45
August	2.10
Sept.	1.74

NOTE:

Leola NWS Station (SD4891) was used for July 1986 and June 1998.

Fullerton NWS Station (ND3287) was used for Sept. 2012.

Rainfall Data
Forman 5 SSE
Station #ND3117
Sargent County, ND

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.94	0.38	2.22	4.01	0.85	3.43	2.10	8.36	16.85	12.79	16.00	14.01	NORM	NORM	NORM	NORM	NORM
2	1981	1.07	0.89	1.34	4.94	3.05	2.45	0.56	6.87	18.39	20.37	18.39	9.63	DRY	NORM	NORM	NORM	NORM
3	1982	2.21	0.44	2.44	1.58	1.56	1.44	1.25	10.41	10.06	10.28	9.02	8.19	NORM	NORM	DRY	DRY	NORM
4	1983	2.01	0.44	1.69	2.71	3.36	2.81	0.74	7.96	11.95	17.19	17.86	11.20	NORM	NORM	NORM	NORM	NORM
5	1984	2.06	2.39	0.94	5.14	1.64	1.55	0.97	9.66	19.69	16.14	13.07	7.65	NORM	NORM	NORM	NORM	NORM
6	1985	1.22	0.33	4.56	2.29	1.40	2.06	1.99	15.56	16.32	13.34	11.27	11.49	WET	NORM	NORM	NORM	NORM
7	1986	0.63	8.83	2.49	3.51	4.88	3.92	2.67	25.76	24.34	24.15	25.03	20.73	WET	WET	WET	WET	WET
8	1987	1.48	0.39	1.77	0.79	4.85	1.53	2.43	7.57	6.30	17.90	15.08	15.20	NORM	DRY	NORM	NORM	NORM
9	1988	0.67	0.03	2.46	1.62	1.70	2.06	5.68	8.11	9.81	10.80	11.20	22.86	NORM	DRY	DRY	NORM	WET
10	1989	1.65	2.04	2.42	1.97	2.93	2.86	2.02	12.99	12.79	15.15	16.41	14.71	NORM	NORM	NORM	NORM	NORM
11	1990	1.68	1.45	0.59	3.75	2.32	2.17	2.31	6.35	13.88	15.05	14.90	13.59	DRY	NORM	NORM	NORM	NORM
12	1991	0.41	3.47	4.65	7.21	4.80	1.22	1.23	21.30	34.40	33.47	20.47	10.93	WET	WET	WET	WET	NORM
13	1992	0.86	0.76	2.82	6.86	2.54	2.59	2.60	10.84	26.98	24.16	19.71	15.52	NORM	WET	WET	WET	NORM
14	1993	0.70	1.64	2.64	5.08	4.91	2.12	0.79	11.90	22.16	27.53	21.26	11.52	NORM	WET	WET	WET	NORM
15	1994	0.60	2.45	1.37	0.89	8.95	1.32	1.56	9.61	7.86	30.00	22.75	16.27	NORM	DRY	WET	WET	WET
16	1995	2.62	1.95	2.95	2.38	5.43	1.84	2.17	15.37	14.99	24.00	18.76	15.62	WET	NORM	WET	NORM	NORM
17	1996	1.17	0.22	4.51	2.14	1.74	0.46	2.63	15.14	15.66	14.01	7.00	10.55	WET	NORM	NORM	DRY	NORM
18	1997	0.76	1.99	1.23	1.26	4.55	2.66	2.54	8.43	8.23	17.40	18.34	17.49	NORM	DRY	NORM	NORM	WET
19	1998	1.46	4.20	5.87	8.42	2.15	1.93	0.48	27.47	41.20	29.16	18.51	7.45	WET	WET	WET	NORM	NORM
20	1999	1.20	0.78	2.61	4.64	3.70	3.98	5.34	10.59	19.92	22.99	23.98	27.68	NORM	NORM	WET	WET	WET
21	2000	1.40	1.70	2.81	3.03	5.32	1.39	1.35	13.23	16.41	24.83	17.84	12.15	NORM	NORM	WET	NORM	NORM
22	2001	0.12	3.85	1.60	4.00	4.38	1.41	3.54	12.62	19.05	22.74	16.99	17.82	NORM	NORM	WET	NORM	WET
23	2002	0.87	1.79	2.06	4.25	7.01	2.16	1.83	10.63	18.66	31.59	24.75	16.82	NORM	NORM	WET	WET	WET
24	2003	0.18	2.84	3.90	5.84	3.45	0.92	1.34	17.56	28.16	25.93	15.50	9.31	WET	WET	WET	NORM	NORM
25	2004	0.98	0.87	6.86	2.53	3.16	0.97	3.53	23.30	22.18	21.40	11.76	15.69	WET	WET	NORM	NORM	NORM
26	2005	0.05	0.54	3.05	11.44	2.63	4.86	2.96	10.28	40.96	33.82	31.28	21.23	NORM	WET	WET	WET	WET
27	2006	1.21	1.30	2.78	1.31	1.69	3.53	3.31	12.15	10.79	10.47	15.28	18.68	NORM	NORM	DRY	NORM	WET
28	2007	1.68	3.74	4.44	6.79	3.87	1.92	2.28	22.48	32.99	29.63	20.29	14.55	WET	WET	WET	WET	NORM
29	2008	0.32	1.19	1.48	4.43	1.82	1.63	4.59	7.14	17.44	15.80	12.96	18.85	NORM	NORM	NORM	NORM	WET
30	2009	1.62	1.24	1.21	7.79	2.23	2.31	2.83	7.73	27.03	23.48	19.18	15.34	NORM	WET	WET	NORM	NORM
31	2010	1.14	1.27	3.73	3.56	3.79	3.01	6.22	14.87	19.41	22.22	20.17	28.47	NORM	NORM	NORM	WET	WET
32	2011	1.49	2.58	3.15	3.18	7.96	1.34	0.48	16.10	18.42	33.39	23.12	12.08	WET	NORM	WET	WET	NORM
33	2012	0.78	3.18	2.20	3.18	1.98	1.02	0.15	13.74	17.12	14.50	10.20	4.47	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.72	1.24	1.51
April	0.70	1.68	2.05
May	1.60	2.60	3.15
June	1.99	3.54	4.31
July	1.99	3.02	3.62
August	1.52	2.25	2.69
Sept.	0.64	1.93	2.36
Jun-MAM	6.92	12.40	15.06
Jul-JMA	9.87	17.50	21.28
Aug-JJM	11.55	18.74	22.63
Sep-AJJ	10.53	16.33	19.62
Oct-SAJ	6.95	13.31	16.08

Normals are for 1971-2000 data

March	1.24
April	1.68
May	2.60
June	3.54
July	3.02
August	2.25
Sept.	1.93

NOTE:
Britton NWS station (SD1049) was used for July 1991; May 1993; July 1994; March 1997; April and Sept 1998; May 2000; August 2001; May, July, and August 2003; and May 2005.

Rainfall Data
FULLERTON 1 ESE
Station #ND3287
Dickey County, ND

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.38	0.94	5.04	2.16	1.23	2.74	0.71	17.38	17.50	13.05	12.84	8.84	WET	NORM	NORM	NORM	NORM
2	1981	1.14	0.63	1.47	4.43	5.37	2.94	1.85	6.81	16.86	26.44	23.99	16.80	DRY	NORM	WET	WET	WET
3	1982	1.91	0.57	2.99	1.39	3.13	0.29	1.15	12.02	10.72	15.16	8.52	7.16	NORM	NORM	NORM	DRY	NORM
4	1983	2.34	1.13	1.68	2.75	2.78	2.34	1.36	9.64	12.74	15.52	15.33	11.54	NORM	NORM	NORM	NORM	NORM
5	1984	1.85	2.99	0.74	4.62	2.20	1.03	1.12	10.05	18.33	16.58	12.11	7.62	NORM	NORM	NORM	NORM	NORM
6	1985	1.80	0.52	4.21	1.35	0.59	1.76	1.24	15.47	12.99	8.68	7.81	7.83	NORM	NORM	DRY	DRY	NORM
7	1986	1.81	8.61	3.55	1.76	5.22	3.85	5.58	29.68	20.99	22.73	23.75	29.66	WET	WET	WET	WET	WET
8	1987	1.80	0.00	3.65	0.96	2.83	2.61	0.63	12.75	10.18	14.06	14.45	9.94	NORM	NORM	NORM	NORM	NORM
9	1988	0.71	0.06	2.45	1.11	0.72	2.42	2.95	8.18	8.29	6.83	9.81	14.41	NORM	DRY	DRY	NORM	NORM
10	1989	2.56	2.85	1.29	1.31	2.63	3.82	0.98	12.13	9.36	11.80	18.03	13.21	NORM	NORM	NORM	NORM	NORM
11	1990	1.13	2.10	0.37	4.07	2.40	2.52	1.40	6.44	15.05	15.71	16.43	11.64	DRY	NORM	NORM	NORM	NORM
12	1991	0.89	3.39	9.24	4.98	0.80	0.95	1.94	35.39	36.81	21.60	9.43	8.52	WET	WET	NORM	NORM	NORM
13	1992	1.61	0.45	2.01	4.06	2.93	1.24	0.83	8.54	16.65	18.92	13.64	7.90	NORM	NORM	NORM	NORM	NORM
14	1993	0.59	1.26	3.56	6.74	6.99	2.43	0.64	13.79	28.60	38.01	28.01	13.77	NORM	WET	WET	WET	NORM
15	1994	0.50	2.03	0.83	1.00	6.25	2.28	0.88	7.05	6.69	21.58	20.34	13.45	DRY	DRY	NORM	WET	NORM
16	1995	1.99	1.77	3.21	3.26	5.14	1.68	1.14	15.16	17.97	25.15	18.58	11.92	NORM	NORM	WET	NORM	NORM
17	1996	0.93	0.32	3.23	1.62	1.93	0.42	5.38	11.26	11.64	12.26	6.74	18.91	NORM	NORM	NORM	DRY	WET
18	1997	1.05	1.47	1.62	2.12	3.77	1.02	1.13	8.85	11.07	17.17	12.72	9.20	NORM	NORM	NORM	NORM	NORM
19	1998	0.83	2.36	2.38	5.30	1.97	5.63	1.74	12.69	23.02	18.89	26.13	18.45	NORM	WET	NORM	WET	WET
20	1999	1.27	1.23	4.65	4.44	3.59	2.99	5.12	17.68	23.85	24.30	20.59	24.93	WET	WET	WET	WET	WET
21	2000	2.27	0.95	2.61	2.56	3.58	1.48	2.15	12.00	13.85	18.47	14.16	12.99	NORM	NORM	NORM	NORM	NORM
22	2001	0.03	1.82	2.62	2.88	3.30	2.77	3.89	11.53	15.70	18.28	17.79	20.51	NORM	NORM	NORM	NORM	WET
23	2002	0.70	1.46	1.47	2.24	3.85	2.51	2.37	8.03	11.12	17.50	17.47	15.98	NORM	NORM	NORM	NORM	NORM
24	2003	0.39	1.73	6.40	4.80	1.19	0.68	1.77	23.05	28.93	19.57	9.22	7.86	WET	WET	NORM	NORM	NORM
25	2004	1.71	0.79	6.53	2.20	2.41	1.40	5.35	22.88	20.45	18.16	11.22	21.26	WET	NORM	NORM	NORM	WET
26	2005	0.10	0.72	3.53	7.36	2.53	3.41	2.24	12.13	29.86	25.84	22.65	16.07	NORM	WET	WET	WET	NORM
27	2006	1.03	1.76	2.43	1.87	2.22	2.74	2.02	11.84	12.23	12.83	14.53	13.76	NORM	NORM	NORM	NORM	NORM
28	2007	2.21	1.97	6.69	3.75	1.72	2.88	2.40	26.22	26.60	19.35	15.83	14.68	WET	WET	NORM	NORM	NORM
29	2008	0.42	0.75	2.01	4.62	3.41	1.32	4.73	7.95	18.63	21.48	15.40	20.24	NORM	NORM	NORM	NORM	WET
30	2009	3.06	1.28	1.05	4.13	2.91	3.42	0.95	8.77	15.77	18.04	20.21	12.60	NORM	NORM	NORM	WET	NORM
31	2010	1.07	1.37	3.86	2.61	2.01	1.88	5.47	15.39	16.92	15.11	12.27	22.18	NORM	NORM	NORM	NORM	WET
32	2011	2.33	2.54	2.99	6.63	9.85	3.39	0.56	16.38	28.41	45.80	36.50	18.31	NORM	WET	WET	WET	WET
33	2012	0.70	4.19	3.92	1.37	3.94	1.11	0.22	20.84	16.14	18.48	12.58	6.82	WET	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.81	1.44	1.76
April	0.79	1.91	2.35
May	1.59	2.84	3.46
June	1.75	3.16	3.86
July	1.65	2.88	3.50
August	1.37	2.22	2.69
Sept.	0.88	2.02	2.48
Jun-MAM	7.16	13.78	16.84
Jul-JMA	9.22	17.07	20.85
Aug-JJM	10.04	17.80	21.68
Sep-AJJ	9.16	15.58	18.93
Oct-SAJ	7.03	13.38	16.32

Normals are for 1971-2000 data

March	1.44
April	1.91
May	2.84
June	3.16
July	2.88
August	2.22
Sept.	2.02

NOTE:
Oakes 2 S NWS Station (ND6620) was used for March 2012.

Rainfall Data
OAKES 2 S
Station #ND6620
Dickey County, ND

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.38	0.60	1.26	2.18	1.23	3.11	0.70	5.36	9.66	9.31	13.97	9.55	DRY	NORM	NORM	NORM	NORM
2	1981	0.25	1.03	1.35	4.04	2.82	0.90	1.36	6.36	15.85	17.89	12.38	8.70	NORM	NORM	NORM	NORM	NORM
3	1982	0.32	0.24	3.93	1.00	1.19	0.28	1.29	12.59	11.10	9.50	4.22	5.62	NORM	NORM	NORM	DRY	DRY
4	1983	1.50	0.00	1.60	2.93	5.22	2.62	2.01	6.30	11.99	23.12	21.23	16.49	NORM	NORM	WET	WET	NORM
5	1984	0.35	3.40	1.52	8.03	0.90	0.55	1.25	11.71	30.53	20.28	11.48	5.75	NORM	WET	NORM	NORM	DRY
6	1985	0.13	0.12	2.88	2.50	0.12	2.23	2.38	9.01	13.38	8.24	9.43	11.72	NORM	NORM	DRY	NORM	NORM
7	1986	0.80	7.52	3.27	2.23	5.48	3.03	4.26	25.65	20.75	24.17	22.28	24.32	WET	WET	WET	WET	WET
8	1987	3.09	0.00	2.40	1.45	3.87	0.38	1.31	10.29	9.15	16.91	10.33	8.56	NORM	NORM	NORM	NORM	NORM
9	1988	0.40	0.07	2.04	1.40	0.75	1.54	4.00	6.66	8.35	7.09	7.52	15.83	NORM	DRY	DRY	DRY	NORM
10	1989	2.15	2.46	1.00	1.85	4.05	5.75	1.47	10.07	10.01	16.85	27.20	19.96	NORM	NORM	NORM	WET	WET
11	1990	1.56	3.17	0.15	4.12	1.33	3.02	1.66	8.35	15.83	12.38	15.84	12.35	NORM	NORM	NORM	NORM	NORM
12	1991	1.08	2.98	5.68	7.64	2.06	1.00	1.45	24.08	37.26	27.14	14.76	8.41	WET	WET	WET	NORM	NORM
13	1992	0.54	1.11	2.47	5.38	1.75	1.36	1.82	10.17	22.19	18.48	12.96	9.93	NORM	WET	NORM	NORM	NORM
14	1993	0.52	1.45	2.28	5.27	5.33	1.90	0.96	10.26	21.82	28.81	21.63	12.01	NORM	WET	WET	WET	NORM
15	1994	0.50	2.55	0.75	0.61	6.55	1.73	2.80	7.85	5.88	21.62	18.90	18.41	NORM	DRY	WET	WET	WET
16	1995	1.67	0.90	2.95	0.93	4.85	1.38	2.07	12.32	9.59	19.36	14.77	13.82	NORM	NORM	NORM	NORM	NORM
17	1996	2.10	0.20	4.14	2.14	2.38	1.56	6.68	14.92	14.90	15.56	11.58	25.54	WET	NORM	NORM	NORM	WET
18	1997	1.10	2.17	1.35	1.42	3.67	3.18	1.46	9.49	9.13	15.20	18.30	14.41	NORM	NORM	NORM	WET	NORM
19	1998	1.90	3.25	3.73	6.58	2.08	4.90	0.99	19.59	30.45	23.13	25.44	14.85	WET	WET	WET	WET	NORM
20	1999	1.05	1.06	3.71	4.38	4.17	3.90	7.60	14.30	21.62	24.98	24.42	34.77	NORM	WET	WET	WET	WET
21	2000	0.75	1.99	1.91	2.57	5.93	1.32	1.78	10.46	13.52	24.84	18.39	13.91	NORM	NORM	WET	WET	NORM
22	2001	0.13	3.30	1.76	3.16	2.52	2.97	2.45	12.01	16.30	15.64	17.11	15.81	NORM	NORM	NORM	NORM	NORM
23	2002	0.70	1.56	2.03	4.81	2.91	2.50	0.58	9.91	20.05	20.38	18.13	9.65	NORM	WET	NORM	NORM	NORM
24	2003	0.39	1.73	5.12	5.48	2.48	0.68	0.77	19.21	28.41	23.52	12.48	6.15	WET	WET	WET	NORM	DRY
25	2004	1.71	0.79	6.53	0.67	2.91	0.79	4.96	22.88	15.86	16.60	8.86	19.37	WET	NORM	NORM	NORM	WET
26	2005	0.10	0.70	3.74	13.51	2.11	3.04	2.60	12.72	48.71	37.09	26.85	15.99	NORM	WET	WET	WET	NORM
27	2006	1.03	1.74	2.60	1.14	1.99	3.81	2.31	12.31	10.36	10.85	16.55	16.54	NORM	NORM	NORM	NORM	NORM
28	2007	1.52	2.26	7.07	5.17	3.51	2.65	1.73	27.25	31.91	27.94	20.14	14.00	WET	WET	WET	WET	NORM
29	2008	0.42	0.75	1.70	2.37	2.92	2.27	3.44	7.02	11.26	15.20	15.02	17.78	NORM	NORM	NORM	NORM	WET
30	2009	3.06	1.29	1.11	4.84	1.36	1.78	2.26	8.97	18.03	14.87	12.90	11.70	NORM	NORM	NORM	NORM	NORM
31	2010	1.00	1.80	5.65	2.61	2.98	2.34	7.27	21.55	20.93	19.81	15.59	29.47	WET	WET	NORM	NORM	WET
32	2011	2.33	2.54	2.99	6.63	9.85	3.39	0.56	16.38	28.41	45.80	36.50	18.31	WET	WET	WET	WET	WET
33	2012	0.70	2.63	2.68	2.51	3.32	1.01	0.82	14.00	15.52	17.66	12.18	7.80	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.54	1.04	1.27
April	0.64	1.71	2.11
May	1.36	2.45	2.99
June	1.79	3.25	3.97
July	1.28	2.76	3.37
August	1.15	2.04	2.49
Sept.	1.09	2.26	2.76
Jun-MAM	5.90	11.81	14.46
Jul-JMA	8.73	16.36	20.00
Aug-JJM	8.78	17.23	21.04
Sep-AJJ	7.80	14.89	18.18
Oct-SAJ	6.85	13.62	16.63

Normals are for 1971-2000 data

March	1.04
April	1.71
May	2.45
June	3.25
July	2.76
August	2.04
Sept.	2.26

NOTE:
Fullerton 1 ESE NWS Station (SD3287) was used for March and July 1980; March 1994; March 2002; March, April, and Aug. 2003; March-May 2004; March 2005 and 2006; March and April 2008, and March 2009, June 2010, and all of 2011.

Rainfall Data
Aberdeen WSO AP
Station #SD0020
Brown County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.88	1.15	1.64	2.53	0.80	5.93	0.92	8.10	12.02	9.10	21.92	15.42	NORM	NORM	DRY	WET	NORM
2	1981	2.00	0.12	1.60	2.10	3.97	2.91	1.38	7.04	9.62	17.71	18.77	13.93	NORM	DRY	NORM	NORM	NORM
3	1982	3.32	0.54	2.80	2.14	1.66	0.44	0.95	12.80	12.56	12.06	6.78	5.39	NORM	NORM	NORM	DRY	DRY
4	1983	2.65	0.69	1.66	3.47		2.21	1.55	9.01	14.42	8.60	10.10	9.07	NORM	NORM	DRY	NORM	NORM
5	1984	1.94	2.39	1.13	5.65	2.64	2.23	0.84	10.11	21.60	20.35	17.62	9.62	NORM	WET	NORM	NORM	NORM
6	1985	1.83	0.63	3.41	1.76	2.38	2.71	2.71	13.32	12.73	14.07	14.65	15.93	NORM	NORM	NORM	NORM	NORM
7	1986	0.58	7.88	3.32	2.48	3.78	2.85	2.82	26.30	21.96	19.62	18.59	17.94	WET	WET	NORM	NORM	WET
8	1987	1.91	0.41	2.01	0.77	2.13	1.87	1.33	8.76	6.74	9.94	10.64	9.86	NORM	DRY	DRY	NORM	NORM
9	1988	0.37	0.13	3.43	0.93	3.14	2.80	5.31	10.92	9.78	14.71	15.61	24.67	NORM	DRY	NORM	NORM	WET
10	1989	1.46	3.42	1.20	2.05	2.00	3.83	2.23	11.90	11.97	11.30	17.54	16.35	NORM	NORM	NORM	NORM	WET
11	1990	0.81	1.87	1.41	7.72	1.98	4.85	3.01	8.78	27.85	22.79	26.23	20.71	NORM	WET	WET	WET	WET
12	1991	0.77	3.70	7.36	4.76	1.32	2.28	0.57	30.25	32.70	20.84	14.24	7.59	WET	WET	NORM	NORM	NORM
13	1992	0.54	0.40	0.78	5.61	2.97	1.55	1.63	3.68	18.79	20.91	16.20	10.96	DRY	NORM	NORM	NORM	NORM
14	1993	0.42	1.51	3.11	6.20	7.37	4.42	1.21	12.77	26.33	37.62	34.20	19.84	NORM	WET	WET	WET	WET
15	1994	0.43	2.28	0.30	1.10	5.37	3.87	1.63	5.89	6.18	18.61	23.45	18.00	DRY	DRY	NORM	WET	WET
16	1995	2.34	2.26	5.98	1.34	3.57	2.36	1.50	24.80	18.24	19.37	15.56	12.79	WET	NORM	NORM	NORM	NORM
17	1996	0.87	0.15	4.46	4.12	1.85	0.24	5.32	14.55	21.43	18.25	8.54	18.29	NORM	NORM	NORM	DRY	WET
18	1997	0.79	2.01	1.72	2.65	1.41	3.75	0.82	9.97	13.40	11.25	16.72	11.37	NORM	NORM	NORM	NORM	NORM
19	1998	1.54	1.81	4.29	6.47	1.12	2.95	0.06	18.03	29.80	20.59	17.56	7.20	WET	WET	NORM	NORM	NORM
20	1999	0.92	1.76	2.97	5.23	2.80	3.19	4.27	13.35	23.39	21.83	20.40	21.99	NORM	WET	NORM	WET	WET
21	2000	1.21	2.47	2.93	4.94	4.51	1.69	0.51	14.94	23.15	26.34	19.03	9.42	NORM	WET	WET	NORM	NORM
22	2001	0.30	3.43	2.67	3.31	4.81	0.79	2.61	15.17	18.70	23.72	15.30	14.22	NORM	NORM	WET	NORM	NORM
23	2002	0.56	1.15	1.82	1.22	3.96	3.82	0.93	8.32	8.45	16.14	20.60	14.39	NORM	DRY	NORM	WET	NORM
24	2003	0.57	2.01	4.33	6.94	1.98	1.59	1.26	17.58	31.49	24.15	15.67	8.94	WET	WET	WET	NORM	NORM
25	2004	1.27	0.62	5.10	3.68	3.02	0.96	3.53	17.81	21.86	21.52	12.60	15.53	WET	WET	NORM	NORM	NORM
26	2005	0.16	0.35	2.64	6.21	0.8	2.9	1.19	8.78	24.26	17.46	16.51	10.17	NORM	WET	NORM	NORM	NORM
27	2006	0.65	2.41	2.16	3.21	0.71	2.47	2.67	11.95	16.36	10.71	12.04	13.66	NORM	NORM	NORM	NORM	NORM
28	2007	1.88	3.42	12.23	2.43	0.79	2.19	1.64	45.41	35.17	19.46	10.58	10.09	WET	WET	NORM	NORM	NORM
29	2008	1.76	0.81	1.32	3.21	6.26	1.24	3.61	7.34	13.08	26.52	19.45	19.57	NORM	NORM	WET	NORM	WET
30	2009	1.41	1.76	0.47	3.87	2.47	2.82	4.41	6.34	14.31	15.62	17.27	21.34	DRY	NORM	NORM	NORM	WET
31	2010	1.24	3.15	4.46	5.40	3.24	1.01	4.08	20.92	28.27	24.98	14.91	17.50	WET	WET	WET	NORM	WET
32	2011	1.19	2.98	2.93	4.69	6.63	0.87	0.64	15.94	22.91	32.20	20.56	10.29	WET	WET	WET	WET	NORM
33	2012	0.38	3.65	1.11	1.27	2.70	1.76	0.01	11.01	9.68	11.75	11.95	6.25	NORM	DRY	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.69	1.34	1.63
April	0.82	1.83	2.23
May	1.57	2.69	3.27
June	1.97	3.49	4.26
July	1.67	2.92	3.55
August	1.40	2.42	2.95
Sept.	0.71	1.81	2.19
Jun-MAM	7.04	13.07	15.90
Jul-JMA	9.87	17.68	21.55
Aug-JJM	10.52	18.43	22.44
Sep-AJJ	9.51	16.59	20.21
Oct-SAJ	6.60	13.19	16.02

Normals are for 1971-2000 data

March	1.34
April	1.83
May	2.69
June	3.49
July	2.92
August	2.42
Sept.	1.81

Rainfall Data
Academy 2 NE
Station #SD0043
Charles Mix County, SD

	Monthly Rainfall Totals							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.58	0.95	2.46	2.95	0.82	3.99	1.12	9.86	14.72	10.82	16.56	12.16	DRY	NORM	DRY	NORM	NORM
1981	2.25	1.13	2.92	3.45	6.19	1.66	0.42	13.27	17.32	28.39	20.81	10.77	NORM	NORM	WET	WET	NORM
1982	1.35	1.30	9.55	3.85	4.90	2.15	3.42	32.60	31.95	31.95	20.10	19.46	WET	WET	WET	WET	WET
1983	2.73	1.83	3.04	6.00	3.01	0.49	0.72	15.51	25.91	24.07	13.49	6.15	NORM	WET	WET	NORM	DRY
1984	1.77	5.88	3.30	4.50	2.86	3.92	0.68	23.43	25.98	20.88	21.98	12.74	WET	WET	NORM	WET	NORM
1985	1.47	2.76	2.28	2.65	2.81	5.38	4.91	13.83	15.27	16.01	24.41	28.30	NORM	NORM	NORM	WET	WET
1986	1.71	4.10	2.82	4.05	2.06	2.18	3.85	18.37	21.89	17.10	14.71	17.97	NORM	NORM	NORM	NORM	WET
1987	5.01	1.22	1.17	3.61	4.21	2.50	1.68	10.96	14.39	21.02	19.53	14.25	DRY	NORM	NORM	WET	NORM
1988	0.89	2.59	7.16	0.72	1.70	1.79	5.09	27.55	19.07	13.70	9.49	20.55	WET	NORM	NORM	DRY	WET
1989	0.84	1.33	0.98	1.82	2.48	1.23	1.47	6.44	8.75	12.06	10.47	9.35	DRY	DRY	DRY	NORM	NORM
1990	1.37	2.80	5.40	2.64	3.55	3.50	0.38	23.17	21.52	21.33	20.24	11.69	WET	NORM	NORM	WET	NORM
1991	1.14	3.00	4.12	3.11	0.88	2.02	0.82	19.50	20.57	12.98	10.93	7.38	NORM	NORM	NORM	NORM	DRY
1992	1.18	1.06	0.61	1.91	6.41	3.10	2.11	5.13	8.01	23.66	24.03	18.94	DRY	DRY	WET	WET	WET
1993	1.13	2.90	3.39	6.18	4.32	1.08	2.01	17.10	28.22	28.71	18.06	12.51	NORM	WET	WET	NORM	NORM
1994	0.11	3.17	1.49	4.59	4.46	2.12	2.18	10.92	19.92	24.05	19.87	15.24	DRY	NORM	WET	WET	NORM
1995	3.64	5.14	6.30	1.52	1.36	3.98	4.27	32.82	22.30	13.42	16.18	22.13	WET	NORM	NORM	NORM	WET
1996	0.99	1.64	7.06	2.59	1.58	0.59	7.45	25.45	23.53	16.98	7.52	25.11	WET	NORM	NORM	DRY	WET
1997	0.24	3.32	2.95	2.67	3.11	1.93	2.32	15.73	17.23	17.62	14.68	13.93	NORM	NORM	NORM	NORM	NORM
1998	1.49	2.71	2.80	5.79	3.27	4.42	3.83	15.31	25.68	24.19	25.59	23.60	NORM	WET	WET	WET	WET
1999	0.63	4.93	5.83	6.95	3.31	3.28	2.12	27.98	37.44	29.66	23.41	16.23	WET	WET	WET	WET	NORM
2000	0.36	1.36	3.43	2.39	0.98	0.84	0.27	13.37	15.39	11.15	6.87	3.47	NORM	NORM	DRY	DRY	DRY
2001	0.27	6.34	3.07	1.28	4.36	0.04	4.31	22.16	16.32	18.71	10.12	17.37	WET	NORM	NORM	NORM	WET
2002	1.29	1.65	2.54	1.36	1.08	3.14	1.37	12.21	10.81	8.50	12.94	11.47	NORM	DRY	DRY	NORM	NORM
2003	0.50	2.81	3.32	3.45	1.94	3.48	0.58	16.08	19.80	16.04	17.77	10.64	NORM	NORM	NORM	NORM	NORM
2004	2.80	0.87	4.50	5.69	2.18	1.07	4.19	18.04	26.94	22.42	13.26	16.89	NORM	WET	NORM	NORM	NORM
2005	1.02	2.51	4.16	8.79	0.99	1.54	2.39	18.52	37.20	24.71	15.39	11.24	NORM	WET	WET	NORM	NORM
2006	1.88	2.57	1.27	2.76	1.89	3.43	4.05	10.83	13.39	12.46	16.83	20.90	DRY	NORM	DRY	NORM	WET
2007	2.55	3.88	6.07	4.41	0.64	4.31	1.54	28.52	29.25	16.81	18.62	13.88	WET	WET	NORM	NORM	NORM
2008	0.70	2.43	2.69	6.75	2.35	3.25	1.32	13.63	28.06	23.24	21.20	12.81	NORM	WET	NORM	WET	NORM
2009	1.52	1.23	0.87	2.69	0.00	5.01	0.89	6.59	11.04	6.25	17.72	12.69	DRY	DRY	DRY	NORM	NORM
2010	1.05	2.81	3.57	5.79	5.15	1.56	2.57	17.38	27.32	30.60	20.77	15.98	NORM	WET	WET	WET	NORM
2011	0.33	2.40	4.16	9.95	2.89	2.58	0.49	17.61	40.57	32.73	23.47	9.52	NORM	WET	WET	WET	NORM
2012	1.13	4.03	3.37	1.64	0.67	1.25	0.11	19.30	15.69	8.66	6.73	3.50	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.68	1.52	1.85
April	1.79	2.68	3.21
May	2.29	3.78	4.58
June	2.24	3.34	3.99
July	1.92	2.97	3.57
August	1.26	2.17	2.64
Sept.	1.00	2.24	2.74
Jun-MAM	11.13	18.22	22.01
Jul-JMA	13.09	20.26	24.34
Aug-JJM	12.53	19.37	23.27
Sep-AJJ	9.86	15.79	19.05
Oct-SAJ	7.44	14.03	17.07

Normals are for 1971-2000 data

March	1.52
April	2.68
May	3.78
June	3.34
July	2.97
August	2.17
Sept.	2.24

Rainfall Data
Alexandria
Station #SD0128
Hanson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.76	0.49	0.77	2.56	1.07	3.04	0.27	4.05	9.71	9.10	13.82	7.96	DRY	DRY	DRY	NORM	DRY
1981	2.14	1.07	1.37	3.03	3.55	5.91	1.37	8.39	12.90	18.08	27.86	19.48	DRY	NORM	NORM	WET	WET
1982	1.03	1.09	5.96	1.47	3.12	2.25	1.03	21.09	17.42	18.26	14.46	10.71	WET	NORM	NORM	NORM	NORM
1983	2.29	1.91	1.38	7.43	2.28	0.48	0.93	10.25	26.96	23.08	13.43	6.03	NORM	WET	WET	NORM	DRY
1984	1.17	5.28	2.88	9.18	2.09	1.43	0.47	20.37	38.58	27.51	17.65	6.36	WET	WET	WET	NORM	DRY
1985	1.67	4.76	2.41	1.23	1.99	3.79	3.59	18.42	13.27	10.84	16.58	20.34	NORM	NORM	DRY	NORM	WET
1986	1.51	6.34	4.26	3.75	2.06	3.10	7.27	26.97	26.11	17.94	17.17	30.07	WET	WET	NORM	NORM	WET
1987	5.38	0.31	1.56	1.45	5.15	2.02	1.77	10.68	7.78	19.91	17.81	14.50	NORM	DRY	NORM	NORM	NORM
1988	0.47	3.07	3.03	0.48	1.16	4.19	3.34	15.70	10.57	7.47	15.37	19.56	NORM	DRY	DRY	NORM	WET
1989	0.98	0.81	1.58	3.28	3.64	1.54	2.07	7.34	13.81	19.06	15.18	12.93	DRY	NORM	NORM	NORM	NORM
1990	0.64	1.34	5.07	5.08	2.12	2.50	0.28	18.53	26.72	21.59	16.82	7.96	NORM	WET	NORM	NORM	DRY
1991	0.93	2.66	8.29	2.32	1.49	1.32	1.81	31.12	26.20	17.40	9.26	9.56	WET	WET	NORM	DRY	NORM
1992	1.52	1.93	1.23	2.14	7.31	5.44	2.82	9.07	10.81	27.44	33.08	26.65	DRY	DRY	WET	WET	WET
1993	1.37	2.02	5.40	8.86	8.16	3.94	2.06	21.61	39.40	47.60	37.00	22.22	WET	WET	WET	WET	WET
1994	0.21	2.71	1.21	3.07	3.03	0.91	2.00	9.26	14.34	16.44	11.86	10.85	DRY	NORM	NORM	NORM	NORM
1995	3.40	6.42	4.93	3.21	1.59	2.09	3.05	31.03	25.91	16.12	12.66	14.92	WET	WET	NORM	NORM	NORM
1996	0.74	0.73	5.18	4.29	1.31	1.23	4.20	17.74	23.96	17.69	10.60	16.37	NORM	WET	NORM	NORM	NORM
1997	0.61	2.18	4.54	1.93	3.16	1.50	1.73	18.59	17.05	17.88	12.75	11.35	NORM	NORM	NORM	NORM	NORM
1998	2.31	4.23	1.02	3.47	2.27	2.77	1.01	13.83	16.68	14.77	16.32	10.84	NORM	NORM	NORM	NORM	NORM
1999	0.77	5.29	2.78	3.29	6.14	2.80	4.88	19.69	20.72	27.78	23.97	26.38	NORM	NORM	WET	WET	WET
2000	0.92	2.42	3.39	2.55	1.65	6.20	0.62	15.93	16.85	13.44	24.45	15.91	NORM	NORM	NORM	WET	NORM
2001	0.43	6.07	2.07	3.79	5.63	0.05	3.52	18.78	21.58	26.54	15.20	16.29	NORM	NORM	WET	NORM	NORM
2002	1.05	1.81	1.61	2.10	1.54	7.21	1.29	9.50	11.33	10.43	26.81	19.83	NORM	DRY	DRY	WET	WET
2003	0.41	3.46	2.31	4.23	2.43	1.76	2.83	14.26	20.77	18.06	14.37	14.44	NORM	NORM	NORM	NORM	NORM
2004	1.24	1.04	6.09	4.27	0.80	4.30	4.69	21.59	26.03	17.03	18.77	23.47	WET	WET	NORM	NORM	WET
2005	0.44	2.54	2.83	7.65	0.34	1.12	3.09	14.01	31.15	19.15	11.69	11.85	NORM	WET	NORM	NORM	NORM
2006	1.29	3.84	1.13	2.40	0.77	6.21	6.76	12.36	13.30	8.24	22.57	33.47	NORM	NORM	DRY	WET	WET
2007	2.84	3.25	7.77	3.23	0.11	4.20	1.80	32.65	28.48	14.56	16.05	13.91	WET	WET	NORM	NORM	NORM
2008	1.28	3.13	2.50	6.21	1.84	0.93	1.45	15.04	26.76	20.44	12.68	8.05	NORM	WET	NORM	NORM	NORM
2009	1.57	2.75	1.00	5.94	7.94	3.36	1.36	10.07	22.57	36.70	31.90	18.74	NORM	NORM	WET	WET	WET
2010	2.69	2.00	1.95	9.91	8.69	3.25	3.58	12.54	35.63	47.84	37.04	25.93	NORM	WET	WET	WET	WET
2011	0.50	5.48	4.37	3.35	2.28	1.86	0.28	24.57	24.27	17.91	13.49	6.84	WET	WET	NORM	NORM	DRY
2012	0.30	4.43	5.58	1.61	0.25	2.06	1.39	25.90	20.42	9.55	8.29	8.54	WET	NORM	DRY	DRY	NORM
2013	1.02	1.85	5.62					21.58	13.09	5.62	0.00	0.00	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.79	1.49	1.82
April	1.45	2.58	3.15
May	1.87	3.25	3.95
June	2.15	3.39	4.08
July	1.70	2.88	3.49
August	1.47	2.62	3.19
Sept.	1.12	2.27	2.77
Jun-MAM	9.30	16.40	19.97
Jul-JMA	11.64	19.25	23.29
Aug-JJM	11.27	18.67	22.58
Sep-AJJ	9.96	17.01	20.63
Oct-SAJ	8.00	14.93	18.18

Normals are for 1971-2000 data

March	1.49
April	2.58
May	3.25
June	3.39
July	2.88
August	2.62
Sept.	2.27

NOTE:

Mitchell NWS Station (SD5671) was used for August 2000.

Mitchell MUNI AP (SD950) was used for June, July, August, and September 2012.

Rainfall Data
Ardmore 2 N
Station #SD0236
Fall River County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.34	0.79	2.10	1.11	1.29	2.74	0.13	9.22	8.32	8.19	11.91	7.16	NORM	DRY	DRY	NORM	NORM
1981	0.35	0.75	2.81	1.53	1.99	2.23	0.39	10.28	10.96	11.84	12.20	7.62	NORM	NORM	NORM	NORM	NORM
1982	0.87	0.67	5.30	5.40	0.98	2.93	2.86	18.11	27.47	19.04	16.15	15.42	WET	WET	WET	WET	WET
1983	1.69	0.91	3.11	2.85	1.10	1.83	0.29	12.84	15.68	12.11	10.54	5.63	NORM	NORM	NORM	NORM	NORM
1984	0.88	2.24	1.95	4.14	2.40	0.72	0.27	11.21	18.56	17.43	11.10	4.65	NORM	NORM	NORM	NORM	DRY
1985	0.49	1.65	1.90	2.30	1.70	0.64	2.35	9.49	12.35	11.60	7.62	10.03	NORM	NORM	NORM	NORM	NORM
1986	0.58	3.82	0.98	4.74	2.62	1.46	2.22	11.16	20.00	18.32	14.36	12.20	NORM	WET	NORM	NORM	WET
1987	2.27	0.59	3.68	1.07	0.66	1.23	0.17	14.49	11.16	7.80	6.08	3.63	NORM	NORM	DRY	DRY	DRY
1988	1.79	0.58	2.31	1.09	0.97	2.09	1.35	9.88	8.47	7.40	9.30	9.20	NORM	DRY	DRY	NORM	NORM
1989	0.84	1.47	1.36	2.58	1.62	1.88	4.07	7.86	11.93	11.38	11.46	17.59	DRY	NORM	NORM	NORM	WET
1990	1.13	2.19	3.58	2.02	3.82	1.23	1.23	16.25	15.41	19.08	13.35	9.97	NORM	NORM	WET	NORM	NORM
1991	0.91	1.67	6.29	3.60	1.66	0.83	1.26	23.12	25.05	18.47	9.41	7.10	WET	WET	NORM	NORM	NORM
1992	1.35	0.64	3.34	2.64	3.18	1.73	0.07	12.65	15.24	18.16	14.19	6.85	NORM	NORM	NORM	NORM	NORM
1993	1.42	1.77	1.55	5.40	3.43	1.63	1.53	9.61	21.07	22.64	17.15	11.28	NORM	WET	WET	WET	NORM
1994	0.44	1.16	2.18	4.07	2.42	0.89	0.48	9.30	17.73	17.58	11.58	5.64	NORM	NORM	NORM	NORM	NORM
1995	0.63	1.53	4.93	3.30	1.70	0.09	2.50	18.48	21.29	16.63	6.97	9.38	WET	WET	NORM	DRY	NORM
1996	1.15	2.05	4.26	1.58	1.13	2.33	1.74	18.03	15.31	10.81	10.83	11.01	WET	NORM	NORM	NORM	NORM
1997	0.14	2.79	3.82	3.97	8.20	1.58	0.64	17.18	22.34	36.36	25.11	13.28	WET	WET	WET	WET	WET
1998	1.79	0.50	2.13	4.46	2.10	4.23	1.55	9.18	18.14	17.35	21.35	15.21	NORM	NORM	NORM	WET	WET
1999	0.86	4.77	2.28	6.05	1.17	2.00	2.53	17.24	27.48	17.89	14.39	12.76	WET	WET	NORM	NORM	WET
2000	2.27	6.32	1.55	0.47	1.81	1.00	1.41	19.56	10.83	7.92	7.09	8.04	WET	NORM	DRY	DRY	NORM
2001	1.16	1.78	2.60	3.28	5.58	0.59	0.42	12.52	16.82	25.90	16.21	8.02	NORM	NORM	WET	WET	NORM
2002	2.51	1.06	2.13	0.80	1.06	3.43	1.73	11.02	7.72	6.91	13.21	13.11	NORM	DRY	DRY	NORM	WET
2003	2.09	2.35	1.71	7.30	0.11	1.53	1.46	11.92	27.67	16.64	12.11	7.55	NORM	WET	NORM	NORM	NORM
2004	1.04	0.81	1.41	0.82	2.85	0.66	3.31	6.89	6.09	11.60	8.50	14.10	DRY	DRY	NORM	NORM	WET
2005	1.35	2.22	2.59	6.27	0.96	1.73	0.66	13.56	26.21	18.01	13.38	6.40	NORM	WET	NORM	NORM	NORM
2006	2.69	1.62	1.29	1.71	1.29	2.24	1.09	9.80	9.33	8.58	11.01	9.04	NORM	DRY	DRY	NORM	NORM
2007	2.55	1.73	1.35	1.84	1.14	2.21	1.34	10.06	9.95	8.45	10.75	9.58	NORM	DRY	DRY	NORM	NORM
2008	0.57	0.85	4.55	1.92	2.33	1.42	1.11	15.92	15.71	15.38	10.84	8.50	NORM	NORM	NORM	NORM	NORM
2009	3.17	3.80	0.71	2.79	1.95	1.96	0.99	12.90	13.59	12.14	12.57	8.84	NORM	NORM	NORM	NORM	NORM
2010	0.65	3.44	2.96	3.72	2.56	0.76	0.94	16.41	20.52	18.08	11.12	6.90	WET	WET	NORM	NORM	NORM
2011	0.70	1.12	4.17	1.54	2.05	1.75	0.98	15.45	14.08	13.40	10.89	8.49	NORM	NORM	NORM	NORM	NORM
2012	0.05	1.88	1.67	3.54	1.22	0.35	0.10	8.82	15.84	12.41	7.03	2.22	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.54	1.04	1.27
April	1.10	1.91	2.33
May	1.88	2.87	3.44
June	1.70	2.80	3.39
July	1.41	2.29	2.81
August	0.87	1.59	1.93
Sept.	0.53	1.38	1.68
Jun-MAM	8.38	13.47	16.25
Jul-JMA	9.96	16.05	19.38
Aug-JJM	9.51	15.34	18.65
Sep-AJJ	7.13	12.15	14.80
Oct-SAJ	4.74	9.61	11.71

Normals are for 1971-2000 data

March	1.04
April	1.91
May	2.87
June	2.80
July	2.29
August	1.59
Sept.	1.38

NOTE:

Oelrichs NWS Station (SD6212) was used for March and April 1980; and Sept 2001.

Hot Springs NWS Station (SD4007) was used for June 2008, April 2009, and Sept. 2009.

Harrison 9 NE NWS Station (NE3618) was used for March-May 2011.

Rainfall Data
Arlington 1 W
Station #SD0281
Kingsbury County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.53	0.34	1.72	4.89	1.03	3.93	0.42	6.37	18.45	14.59	18.74	10.15	DRY	NORM	NORM	NORM	NORM
1981	1.94	1.76	0.82	3.55	2.79	2.24	0.96	7.92	14.05	16.29	15.85	10.15	DRY	NORM	NORM	NORM	NORM
1982	0.80	1.10	5.47	2.50	5.96	1.79	3.64	19.41	19.54	28.35	19.79	20.46	NORM	NORM	WET	NORM	WET
1983	3.86	2.50	1.00	2.89	2.05	4.21	3.13	11.86	13.17	12.93	19.62	19.86	NORM	NORM	DRY	NORM	WET
1984	1.08	3.04	2.25	10.64	1.78	3.24	2.52	13.91	39.46	28.87	23.92	15.82	NORM	WET	WET	WET	NORM
1985	2.11	3.24	3.87	2.55	3.77	4.17	5.69	20.20	18.63	20.28	22.60	29.18	WET	NORM	NORM	NORM	WET
1986	1.90	7.40	4.05	2.24	6.59	3.61	6.71	28.85	22.22	28.30	26.25	33.94	WET	NORM	WET	WET	WET
1987	2.59	0.42	1.61	1.50	5.03	3.44	3.24	8.26	8.14	19.70	21.88	21.63	DRY	DRY	NORM	NORM	WET
1988	1.43	1.52	2.63	1.52	1.07	5.60	2.59	12.36	11.34	8.88	20.46	20.04	NORM	DRY	DRY	NORM	WET
1989	1.80	1.54	2.09	4.33	3.88	3.35	2.35	11.15	18.71	22.39	22.14	17.63	NORM	NORM	NORM	NORM	NORM
1990	1.51	1.16	5.99	9.69	3.87	3.22	0.40	21.80	42.21	36.98	27.09	11.51	WET	WET	WET	WET	NORM
1991	0.72	4.47	6.04	4.50	2.04	2.63	2.01	27.78	30.05	21.16	16.47	13.33	WET	WET	NORM	NORM	NORM
1992	1.32	1.65	1.14	6.49	4.83	3.61	1.64	8.04	23.40	28.61	26.98	16.97	DRY	NORM	WET	WET	NORM
1993	0.95	2.73	4.26	7.44	5.28	2.97	2.44	19.19	33.57	34.98	26.91	18.54	NORM	WET	WET	WET	NORM
1994	0.56	3.06	2.66	7.58	3.05	3.19	2.64	14.66	31.12	26.97	23.25	17.35	NORM	WET	WET	NORM	NORM
1995	3.43	4.13	5.50	1.94	5.73	4.10	4.89	28.19	20.95	26.57	25.70	28.60	WET	NORM	WET	WET	WET
1996	0.67	0.59	7.19	3.86	1.75	2.56	2.29	23.42	26.55	20.16	15.04	13.74	WET	WET	NORM	NORM	NORM
1997	0.63	1.55	1.51	1.97	4.20	2.56	1.94	8.26	10.48	18.05	18.05	15.14	DRY	DRY	NORM	NORM	NORM
1998	1.03	3.99	3.47	2.70	3.04	4.37	0.03	19.42	19.03	17.99	21.89	11.87	NORM	NORM	NORM	NORM	NORM
1999	0.54	3.66	2.86	4.98	3.69	2.05	4.66	16.44	24.32	23.89	18.51	21.77	NORM	NORM	NORM	NORM	WET
2000	0.65	2.09	5.75	3.37	2.82	1.96	1.76	22.08	23.70	20.95	14.89	12.02	WET	NORM	NORM	NORM	NORM
2001	0.85	6.36	3.18	6.14	6.96	0.26	2.03	23.11	31.14	36.34	20.84	13.57	WET	WET	WET	NORM	NORM
2002	1.56	1.29	4.39	1.90	2.66	5.09	1.39	17.31	15.77	16.17	22.49	17.01	NORM	NORM	NORM	NORM	NORM
2003	0.09	1.27	2.05	4.84	2.51	1.76	1.06	8.78	19.89	19.26	15.14	9.21	DRY	NORM	NORM	NORM	NORM
2004	1.24	1.42	5.42	4.66	4.47	1.47	6.18	20.34	26.24	28.15	18.01	25.95	WET	WET	WET	NORM	WET
2005	0.35	1.92	3.02	3.74	1.55	2.82	6.46	13.25	19.18	15.15	15.30	26.57	NORM	NORM	NORM	NORM	WET
2006	1.65	1.84	1.97	2.32	0.57	4.44	4.59	11.24	12.74	8.32	16.78	23.22	NORM	DRY	DRY	NORM	WET
2007	2.56	3.37	5.96	2.90	0.17	5.26	2.11	27.18	23.99	12.27	19.02	17.02	WET	NORM	DRY	NORM	NORM
2008	1.26	1.36	2.71	3.83	2.31	1.47	2.62	12.11	18.27	17.30	12.86	13.11	NORM	NORM	NORM	NORM	NORM
2009	4.83	1.52	2.35	3.60	6.34	1.76	1.81	14.92	17.02	28.57	21.56	15.29	NORM	NORM	WET	NORM	NORM
2010	1.57	1.40	2.57	9.53	5.76	2.88	4.50	12.08	35.13	38.91	29.69	25.02	NORM	WET	WET	WET	WET
2011	1.40	2.08	4.98	2.84	2.80	1.81	0.21	20.50	20.56	19.06	13.87	7.05	WET	NORM	NORM	NORM	NORM
2012	0.48	3.57	4.88	1.86	0.93	2.62	0.73	22.26	18.91	11.39	11.58	8.36	WET	NORM	DRY	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.94	1.55	1.88
April	1.44	2.50	3.04
May	1.88	3.20	3.89
June	2.54	4.16	5.04
July	2.04	3.18	3.82
August	1.19	3.04	3.56
Sept.	0.79	2.43	2.97
Jun-MAM	9.46	16.15	19.63
Jul-JMA	12.82	21.38	25.94
Aug-JJM	13.08	21.06	25.43
Sep-AJJ	10.19	19.64	23.36
Oct-SAJ	6.79	16.55	19.85

Normals are for 1971-2000 data

March	1.55
April	2.50
May	3.20
June	4.16
July	3.18
August	3.04
Sept.	2.43

NOTE:
Brookings NWS Station (SD1076) was used for March, August, and Sept. 1980; March and April 2008; Seot 2012,

Rainfall Data
Armour
Station #SD0296
Douglas County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.22	1.09	1.41	2.45	0.64	5.95	0.18	7.63	11.26	8.23	21.58	13.08	DRY	DRY	DRY	WET	NORM
1981	2.56	0.51	2.25	2.34	3.56	1.38	1.42	10.33	12.03	17.61	13.60	10.58	DRY	DRY	NORM	NORM	NORM
1982	1.29	1.30	8.66	3.78	1.46	1.71	1.81	29.87	29.96	20.60	11.83	10.31	WET	WET	NORM	NORM	NORM
1983	3.05	1.60	2.60	6.26	4.56	0.11	0.57	14.05	25.58	28.80	15.71	6.49	NORM	WET	WET	NORM	DRY
1984	1.76	6.19	3.14	9.82	1.78	2.38	1.19	23.56	41.93	28.12	20.52	10.11	WET	WET	WET	WET	NORM
1985	1.67	3.49	3.54	1.82	2.71	5.07	4.69	19.27	16.03	15.31	22.45	26.92	NORM	NORM	NORM	WET	WET
1986	1.72	6.62	3.76	6.74	1.98	0.30	7.07	26.24	34.36	23.18	11.60	23.79	WET	WET	NORM	NORM	WET
1987	7.21	0.33	0.94	1.86	2.24	2.69	1.47	10.69	7.79	11.38	14.41	12.03	DRY	DRY	DRY	NORM	NORM
1988	0.89	2.90	2.74	1.84	2.37	2.62	3.90	14.91	13.90	13.53	14.44	19.31	NORM	NORM	NORM	NORM	WET
1989	0.91	1.07	1.95	2.15	3.44	1.28	3.04	8.90	11.42	16.57	12.87	15.12	DRY	DRY	NORM	NORM	NORM
1990	1.28	1.43	6.26	3.17	1.85	1.39	0.23	22.92	23.46	18.15	11.04	5.32	WET	NORM	NORM	NORM	DRY
1991	0.89	2.39	5.68	1.74	3.40	1.89	2.13	22.71	18.97	19.36	14.21	13.57	WET	NORM	NORM	NORM	NORM
1992	2.56	2.76	0.53	1.97	6.12	5.67	2.78	9.67	9.73	22.83	31.22	25.80	DRY	DRY	NORM	WET	WET
1993	0.85	3.49	5.87	3.70	6.54	3.46	1.13	25.44	26.33	32.89	27.16	16.85	WET	WET	WET	WET	NORM
1994	0.18	2.97	1.84	2.98	3.56	1.12	1.53	11.64	15.59	18.48	13.46	10.39	NORM	NORM	NORM	NORM	NORM
1995	3.46	5.63	7.83	1.27	2.68	1.96	3.60	38.21	25.10	18.41	12.51	17.40	WET	WET	NORM	NORM	NORM
1996	0.60	1.12	4.29	2.67	1.04	2.55	5.31	15.71	17.71	12.75	12.40	22.07	NORM	NORM	NORM	NORM	WET
1997	0.29	2.66	4.50	5.52	2.45	2.38	2.16	19.11	28.22	22.89	17.56	13.69	NORM	WET	NORM	NORM	NORM
1998	2.39	3.86	1.93	4.63	6.58	3.37	0.67	15.90	21.61	30.93	27.90	15.33	NORM	NORM	WET	WET	NORM
1999	0.78	4.37	4.17	3.83	5.80	0.78	2.38	22.03	24.20	29.23	17.77	14.50	WET	WET	WET	NORM	NORM
2000	0.69	1.14	4.71	1.44	0.62	4.03	0.59	17.10	14.88	9.45	14.77	10.45	NORM	NORM	DRY	NORM	NORM
2001	0.45	6.51	2.27	6.84	2.76	1.18	3.87	20.28	31.57	24.23	15.90	16.73	NORM	WET	WET	NORM	NORM
2002	0.93	2.18	1.13	2.07	0.32	4.44	1.98	8.68	10.65	6.23	16.03	15.14	DRY	DRY	DRY	NORM	NORM
2003	0.18	4.52	3.29	4.47	4.11	1.59	1.15	19.09	24.51	24.56	17.46	10.74	NORM	WET	WET	NORM	NORM
2004	2.78	1.11	5.67	4.14	0.73	0.83	3.25	22.01	24.87	16.14	8.09	12.14	WET	WET	NORM	DRY	NORM
2005	1.14	2.42	3.71	6.79	2.42	0.5	6.91	17.11	30.21	24.55	13.13	24.15	NORM	WET	WET	NORM	WET
2006	0.45	1.24	0.40	1.71	0.16	5.08	5.39	4.13	7.17	4.30	17.27	26.49	DRY	DRY	DRY	NORM	WET
2007	3.07	2.93	5.19	5.67	0.10	7.84	2.08	24.50	30.32	16.83	29.39	22.02	WET	WET	NORM	WET	WET
2008	1.40	1.25	2.45	4.15	2.48	0.78	0.53	11.25	18.60	18.19	11.45	5.63	NORM	NORM	NORM	NORM	DRY
2009	0.86	1.52	1.87	4.66	2.87	4.26	0.99	9.51	19.24	19.80	23.18	14.36	DRY	NORM	NORM	WET	NORM
2010	0.83	1.69	2.63	8.75	3.17	4.28	6.83	12.10	33.20	29.64	27.93	32.22	NORM	WET	WET	WET	WET
2011	1.05	1.07	4.00	3.89	2.03	2.31	0.24	15.19	20.74	17.87	14.88	7.37	NORM	NORM	NORM	NORM	DRY
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45	15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.83	1.73	2.11
April	1.48	2.53	3.08
May	2.35	3.71	4.48
June	2.23	3.31	3.96
July	1.93	3.14	3.80
August	1.24	2.29	2.79
Sept.	1.07	2.25	2.75
Jun-MAM	10.84	17.92	21.71
Jul-JMA	12.87	19.88	23.92
Aug-JJM	12.60	19.75	23.80
Sep-AJJ	9.81	16.46	19.93
Oct-SAJ	7.62	14.47	17.63

Normals are for 1971-2000 data

March	1.73
April	2.53
May	3.71
June	3.31
July	3.14
August	2.29
Sept.	2.25

NOTE:

Platte NWS Station (SD6669) was used for March and April 1980; and August 1981.

Wagner NWS Station (SD8767) was used for March 2007; June-July 2008; March-Sept. 2009-2010; March-April 2011.

Pickstown NWS Station (SD6574) was used for May-Sept. 2011; 2012.

Rainfall Data
Astoria 4 S
Station #SD0422
Brookings County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.53	0.34	1.09	9.28	2.58	3.93	0.42	4.48	30.36	27.39	26.23	11.70	DRY	WET	WET	WET	NORM
2	1981	1.18	1.50	0.71	2.89	4.01	3.69	0.74	6.31	11.59	18.52	21.98	13.61	DRY	DRY	NORM	NORM	NORM
3	1982	0.37	1.43	4.31	2.25	5.55	1.92	2.74	16.16	16.80	25.46	19.11	17.61	NORM	NORM	WET	NORM	NORM
4	1983	3.45	1.28	1.14	4.45	3.03	4.29	2.35	9.43	16.91	19.13	23.38	18.66	NORM	NORM	NORM	WET	NORM
5	1984	1.38	3.38	3.06	8.48	2.17	1.64	1.83	17.32	34.94	26.53	17.74	10.94	NORM	WET	WET	NORM	NORM
6	1985	3.35	2.01	3.57	0.82	1.49	3.92	5.09	18.08	11.61	9.68	15.56	24.60	NORM	DRY	DRY	NORM	WET
7	1986	1.04	5.36	3.72	4.42	3.71	3.43	7.67	22.92	26.06	23.69	22.13	33.58	WET	WET	NORM	NORM	WET
8	1987	2.48	0.28	1.65	2.54	5.29	1.88	4.55	7.99	11.20	22.60	18.76	22.70	DRY	DRY	NORM	NORM	WET
9	1988	0.29	1.80	1.52	1.42	1.75	2.94	4.70	8.45	9.10	9.61	13.74	21.73	DRY	DRY	DRY	NORM	WET
10	1989	1.30	1.59	0.78	4.02	6.04	1.52	2.36	6.82	15.21	26.94	20.66	16.16	DRY	NORM	WET	NORM	NORM
11	1990	1.30	1.07	5.59	7.55	3.74	3.13	0.66	20.21	34.90	31.91	24.42	11.98	WET	WET	WET	WET	NORM
12	1991	0.17	3.54	3.69	5.15	4.21	2.43	3.30	18.32	26.37	26.62	20.86	18.97	NORM	WET	WET	NORM	NORM
13	1992	1.25	1.79	1.19	7.98	3.69	4.67	1.87	8.40	28.11	28.22	29.37	18.64	DRY	WET	WET	WET	NORM
14	1993	0.79	1.96	4.32	8.69	5.18	2.27	2.12	17.67	36.67	37.24	25.86	16.08	NORM	WET	WET	WET	NORM
15	1994	0.40	2.99	1.52	11.23	1.67	5.68	3.94	10.94	39.72	28.99	31.61	24.85	NORM	WET	WET	WET	WET
16	1995	3.15	3.81	5.17	3.55	6.97	4.44	2.98	26.28	24.80	33.18	30.81	24.79	WET	NORM	WET	WET	WET
17	1996	0.22	0.36	4.24	2.59	1.32	2.24	3.24	13.66	16.61	13.38	11.95	15.52	NORM	NORM	NORM	DRY	NORM
18	1997	0.42	3.20	0.76	2.69	4.06	3.96	0.58	9.10	12.79	18.32	22.69	13.72	NORM	NORM	NORM	NORM	NORM
19	1998	0.85	1.36	1.90	1.41	4.47	5.34	0.93	9.27	9.39	18.13	26.37	17.94	NORM	DRY	NORM	WET	NORM
20	1999	0.11	2.29	2.98	3.75	2.13	1.60	1.00	13.63	19.50	16.87	12.81	8.33	NORM	NORM	NORM	DRY	DRY
21	2000	1.23	0.10	3.59	2.18	6.65	1.66	0.66	12.20	13.82	27.90	20.46	11.95	NORM	NORM	WET	NORM	NORM
22	2001	0.79	7.29	3.04	5.50	5.54	0.47	2.93	24.49	29.87	30.66	17.99	15.27	WET	WET	WET	NORM	NORM
23	2002	2.13	3.11	5.32	2.29	2.21	4.60	2.35	24.31	20.62	16.53	20.51	18.46	WET	NORM	NORM	NORM	NORM
24	2003	0.04	1.50	4.87	3.33	3.13	1.08	4.15	17.65	21.23	20.92	12.83	17.74	NORM	NORM	NORM	DRY	NORM
25	2004	0.82	1.56	6.39	4.29	2.57	2.30	4.92	23.11	27.21	22.68	16.33	21.93	WET	WET	NORM	NORM	WET
26	2005	0.19	1.72	4.91	6.31	2.98	2.6	8.17	18.36	30.47	26.47	20.07	32.69	NORM	WET	WET	NORM	WET
27	2006	1.24	2.86	2.08	2.38	0.15	6.97	6.01	13.20	14.16	7.29	23.59	32.12	NORM	NORM	DRY	WET	WET
28	2007	2.25	3.08	2.29	5.30	1.44	5.08	2.49	15.28	23.56	17.21	23.42	19.07	NORM	NORM	NORM	WET	NORM
29	2008	1.26	4.39	3.90	5.55	2.95	1.06	1.80	21.74	28.84	23.85	14.63	10.47	WET	WET	NORM	NORM	DRY
30	2009	1.25	0.87	1.78	4.14	5.68	2.25	1.31	8.33	16.85	27.10	22.25	14.11	DRY	NORM	WET	NORM	NORM
31	2010	0.46	2.15	3.51	8.80	5.74	4.08	13.04	15.29	35.57	38.33	32.52	53.02	NORM	WET	WET	WET	WET
32	2011	0.82	1.89	6.90	3.88	5.43	0.91	0.18	25.30	27.33	30.95	17.47	7.79	WET	WET	WET	NORM	DRY
33	2012	0.76	2.98	6.25	2.72	0.00	1.72	0.24	25.47	23.64	11.69	7.88	4.16	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	Interpolated from nearby stations.		
April	Interpolated from nearby stations.		
May	Interpolated from nearby stations.		
June	Interpolated from nearby stations.		
July	Interpolated from nearby stations.		
August	Interpolated from nearby stations.		
Sept.	Interpolated from nearby stations.		
Jun-MAM	8.9		18.4
Jul-JMA	12.0		24.8
Aug-JJM	12.9		25.3
Sep-AJJ	13.0		23.3
Oct-SAJ	10.7		20.3

Normals are for 1971-2000 data

Note: Brookings 2 NE NWS Station (SD1076) was used for March 1980 - May 1994, March 2001, March 2002, March 2008, and March 2011.

Rainfall Data
Belle Fourche
Station #SD0559
Butte County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.57	0.73	1.81	3.13	0.63	2.18	2.00	7.46	13.74	9.96	10.93	10.99	DRY	NORM	NORM	NORM	WET
2	1981	0.23	0.14	2.94	3.99	4.02	1.21	2.50	9.33	17.99	22.98	15.66	13.94	NORM	NORM	WET	WET	WET
3	1982	1.81	1.04	10.70	2.31	1.21	1.56	2.14	35.99	29.37	18.95	9.41	10.75	WET	WET	WET	NORM	WET
4	1983	2.60	1.45	1.57	0.26	2.34	4.52	1.28	10.21	5.37	9.11	18.50	15.22	NORM	DRY	NORM	WET	WET
5	1984	0.96	2.94	1.18	5.22	1.36	2.13	1.06	10.38	20.96	15.70	14.33	8.80	NORM	WET	NORM	WET	NORM
6	1985	1.54	0.62	1.40	2.15	0.89	0.96	0.61	6.98	9.87	8.37	6.81	4.64	DRY	DRY	DRY	NORM	NORM
7	1986	0.74	3.57	2.63	4.71	1.37	0.83	4.79	15.77	22.96	16.16	9.94	17.40	NORM	WET	NORM	NORM	WET
8	1987	2.20	0.34	4.07	0.47	1.77	3.85	1.21	15.09	9.89	10.32	15.56	13.10	NORM	DRY	NORM	WET	WET
9	1988	1.46	0.71	3.14	1.51	0.08	0.57	1.25	12.30	11.52	6.40	3.38	4.97	NORM	NORM	DRY	DRY	NORM
10	1989	1.57	3.92	1.52	1.99	2.64	0.26	2.13	13.97	12.93	13.42	8.05	9.55	NORM	NORM	NORM	NORM	NORM
11	1990	0.21	1.83	2.29	1.03	3.44	0.22	0.84	10.74	9.50	14.67	8.57	6.40	NORM	DRY	NORM	NORM	NORM
12	1991	0.65	3.19	3.30	2.31	0.45	1.00	0.21	16.93	16.72	9.27	6.21	3.08	WET	NORM	NORM	NORM	DRY
13	1992	0.93	1.30	1.71	3.05	3.03	0.91	0.44	8.66	13.87	16.90	11.84	6.17	NORM	NORM	NORM	NORM	NORM
14	1993	2.99	2.52	4.03	5.58	4.55	0.66	1.17	20.12	27.32	28.84	16.66	9.38	WET	WET	WET	WET	NORM
15	1994	0.54	1.71	1.19	1.92	4.19	0.47	0.62	7.53	9.85	17.60	11.71	6.99	DRY	DRY	NORM	NORM	NORM
16	1995	0.71	1.95	7.99	4.57	2.78	1.34	2.07	28.58	31.64	25.47	14.15	11.67	WET	WET	WET	WET	WET
17	1996	1.45	2.12	5.75	0.97	1.18	1.33	1.59	22.94	16.53	11.23	7.32	8.61	WET	NORM	NORM	NORM	NORM
18	1997	0.23	4.60	3.31	2.03	3.01	0.69	0.83	19.36	17.31	16.40	10.12	6.88	WET	NORM	NORM	NORM	NORM
19	1998	1.01	0.75	0.70	6.44	2.28	2.72	2.49	4.61	21.47	20.42	19.16	15.19	DRY	WET	WET	WET	WET
20	1999	0.82	3.51	2.11	6.79	2.80	0.74	0.54	14.17	28.10	24.09	14.61	5.90	NORM	WET	WET	WET	NORM
21	2000	0.00	1.99	2.47	4.26	1.41	1.14	1.00	11.39	19.71	15.22	10.50	6.69	NORM	NORM	NORM	NORM	NORM
22	2001	0.74	2.20	0.64	3.44	4.58	0.57	0.21	7.06	13.80	21.26	14.31	6.35	DRY	NORM	WET	WET	NORM
23	2002	0.00	1.16	1.18	1.75	0.25	1.93	2.60	5.86	8.77	5.43	8.04	11.91	DRY	DRY	DRY	NORM	WET
24	2003	0.20	0.87	2.41	3.06	0.60	1.04	3.43	9.17	14.87	10.33	7.38	12.97	NORM	NORM	NORM	NORM	WET
25	2004	0.70	1.13	2.78	0.26	4.65	1.60	1.17	11.30	7.47	17.25	14.36	11.36	NORM	DRY	NORM	WET	WET
26	2005	0.25	2.33	4.48	2.65	0.77	1.31	0.52	18.35	19.24	12.09	8.12	4.95	WET	NORM	NORM	NORM	NORM
27	2006	0.07	3.61	1.01	0.82	0.36	1.92	1.96	10.32	8.09	3.73	7.30	10.08	NORM	DRY	DRY	NORM	NORM
28	2007	2.06	0.96	3.03	2.78	0.72	2.75	0.00	13.07	15.36	10.75	12.47	6.22	NORM	NORM	NORM	NORM	NORM
29	2008	0.40	0.94	7.34	5.48	2.23	0.54	2.60	24.30	32.06	24.99	11.56	11.11	WET	WET	WET	NORM	WET
30	2009	1.74	2.37	0.73	2.13	1.45	3.48	1.04	8.67	10.22	9.34	15.47	11.53	NORM	NORM	NORM	WET	WET
31	2010	0.72	2.93	4.50	2.24	1.28	2.19	1.10	20.08	18.65	12.82	11.37	8.96	WET	NORM	NORM	NORM	NORM
32	2011	1.86	1.37	5.48	1.33	1.61	1.67	0.55	21.04	16.32	12.97	9.56	6.60	WET	NORM	NORM	NORM	NORM
33	2012	0.42	1.66	1.59	1.07	2.61	0.85	0.00	8.51	8.05	11.56	8.84	4.31	NORM	DRY	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.55	1.06	1.31
April	1.10	1.97	2.39
May	1.85	2.99	3.61
June	1.70	3.10	3.78
July	1.08	2.05	2.50
August	0.77	1.39	1.69
Sept.	0.60	1.30	1.58
Jun-MAM	8.30	13.97	16.92
Jul-JMA	9.90	17.25	20.95
Aug-JJM	8.49	15.34	18.67
Sep-AJJ	6.17	11.37	13.85
Oct-SAJ	4.42	8.73	10.62

Normals are for 1971-2000 data

March	1.06
April	1.97
May	2.99
June	3.10
July	2.05
August	1.39
Sept.	1.30

NOTE:
Newell NWS Station (SD6054) was used for March, April, May, and July 1986; August 1987; April 1988, and July 2008.
Belle Fourche 22 NNW NWS Station (SD0565) was used for Aug 2007.

Rainfall Data
Big Stone City 2 NW
Station #SD0662
Grant County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.49	0.24	1.56	6.74	2.81	3.68	0.85	5.65	23.58	23.47	23.40	12.72	DRY	WET	NORM	NORM	NORM
1981	0.83	1.19	1.48	3.93	4.67	2.04	0.57	7.65	15.94	23.35	19.39	10.46	DRY	NORM	NORM	NORM	NORM
1982	0.03	0.11	3.27	0.85	3.65	1.30	2.28	10.06	9.20	15.92	12.05	13.09	NORM	DRY	NORM	DRY	NORM
1983	0.70	0.14	1.19	3.84	4.12	4.03	2.54	4.55	14.04	21.23	24.17	19.80	DRY	NORM	NORM	WET	WET
1984	1.39	3.41	1.93	7.72	1.40	1.63	1.77	14.00	30.43	21.57	15.41	9.97	NORM	WET	NORM	NORM	DRY
1985	0.53	3.23	2.30	2.77	4.29	3.84	4.53	13.89	16.14	20.71	22.87	25.56	NORM	NORM	NORM	NORM	WET
1986	0.88	7.72	3.63	2.14	5.45	3.14	4.69	27.21	21.40	24.26	22.46	25.80	WET	WET	NORM	NORM	WET
1987	1.52	0.88	2.32	1.14	3.83	1.94	3.01	10.24	8.94	16.09	14.62	16.74	NORM	DRY	NORM	NORM	NORM
1988	0.93	0.89	1.89	1.18	1.68	3.42	1.34	8.38	8.21	9.29	14.80	12.54	DRY	DRY	DRY	NORM	NORM
1989	1.00	3.59	1.05	1.79	2.68	2.57	1.37	11.33	11.06	12.67	14.86	11.93	NORM	DRY	DRY	NORM	NORM
1990	1.64	1.45	1.75	4.83	2.09	5.85	1.21	9.79	19.44	17.68	26.56	17.42	NORM	NORM	NORM	WET	NORM
1991	1.13	3.88	4.17	8.57	6.35	4.54	1.82	21.40	37.93	40.36	34.89	20.89	WET	WET	WET	WET	WET
1992	1.46	1.04	0.94	7.60	3.46	1.26	1.25	6.36	25.72	26.52	18.30	9.73	DRY	WET	WET	NORM	DRY
1993	1.48	2.12	2.89	6.82	8.83	2.27	2.24	14.39	28.36	43.02	31.29	20.09	NORM	WET	WET	WET	WET
1994	0.49	4.24	2.84	3.48	7.91	2.11	2.11	17.49	20.36	33.53	25.63	18.46	WET	NORM	WET	WET	NORM
1995	3.93	3.37	3.45	1.73	6.65	5.20	2.42	21.02	15.46	26.86	30.63	24.31	WET	NORM	WET	WET	WET
1996	0.40	0.13	4.32	1.63	3.62	1.93	3.04	13.62	13.66	18.44	14.66	16.60	NORM	NORM	NORM	NORM	NORM
1997	1.55	3.07	1.73	1.16	3.84	4.89	1.20	12.88	10.01	15.57	23.51	17.22	NORM	DRY	NORM	NORM	NORM
1998	1.14	2.87	1.99	4.02	2.40	3.69	0.15	12.85	18.91	17.23	19.89	10.23	NORM	NORM	NORM	NORM	DRY
1999	0.77	1.45	3.06	3.63	5.52	1.92	3.66	12.85	18.46	26.88	20.43	20.34	NORM	NORM	WET	NORM	WET
2000	0.67	1.32	2.85	3.16	5.68	0.43	1.54	11.86	16.50	26.21	15.81	11.16	NORM	NORM	WET	NORM	NORM
2001	0.67	7.46	3.34	6.07	2.88	0.48	2.27	25.61	32.35	24.12	13.27	10.65	WET	WET	NORM	DRY	NORM
2002	0.77	1.64	1.88	4.37	2.69	3.92	1.36	9.69	18.51	18.69	21.51	14.61	NORM	NORM	NORM	NORM	NORM
2003	0.50	1.93	3.72	1.54	2.49	0.90	1.46	15.52	13.99	14.27	9.22	8.67	NORM	NORM	NORM	DRY	DRY
2004	0.95	1.27	5.30	3.29	3.12	2.19	7.19	19.39	21.74	21.24	16.10	29.07	WET	WET	NORM	NORM	WET
2005	0.4	1.63	3.05	4.9	2.59	2.63	3.06	12.81	22.43	20.62	17.97	17.03	NORM	WET	NORM	NORM	NORM
2006	1.10	3.34	1.93	2.58	1.04	1.67	4.81	13.57	14.94	10.21	9.67	18.81	NORM	NORM	DRY	DRY	NORM
2007	2.02	4.74	3.21	5.34	2.09	2.95	3.86	21.13	27.18	20.16	18.37	19.57	WET	WET	NORM	NORM	WET
2008	1.19	2.20	2.87	6.60	4.29	1.70	2.83	14.20	27.74	28.94	20.28	16.18	NORM	WET	WET	NORM	NORM
2009	2.32	0.92	0.89	2.02	3.18	6.89	3.81	6.83	8.76	14.47	29.05	28.39	DRY	DRY	NORM	WET	WET
2010	1.11	1.28	2.34	3.34	3.41	8.26	5.45	10.69	15.98	19.25	34.94	36.28	NORM	NORM	NORM	WET	WET
2011	1.22	1.50	4.63	6.20	8.08	0.72	0.22	18.11	29.36	41.27	24.52	10.18	WET	WET	WET	WET	DRY
2012	1.09	3.74	2.46	5.83	1.70	2.09	0.09	15.95	26.15	19.22	15.50	6.15	WET	WET	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.76	1.22	1.48
April	1.30	2.28	2.78
May	1.78	2.50	2.95
June	2.14	3.39	4.09
July	2.71	3.98	4.75
August	1.99	2.92	3.48
Sept.	1.25	2.03	2.45
Jun-MAM	8.70	13.28	15.89
Jul-JMA	11.28	17.45	20.95
Aug-JJM	14.19	21.22	25.38
Sep-AJJ	13.53	20.11	24.03
Oct-SAJ	10.44	15.91	19.06

Normals are for 1971-2000 data

March	1.22
April	2.28
May	2.50
June	3.39
July	3.98
August	2.92
Sept.	2.03

NOTE:
Milbank 2 SSW NWS Station (SD5536) was used for March - Sept. 1980-1983, Sept. 2000, and Sept. 2008.

Rainfall Data
Bison
Station #SD0701
Perkins County. SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.63	0.74	0.25	1.74	0.96	3.20	0.17	2.86	6.46	6.61	13.26	7.87	DRY	DRY	DRY	NORM	NORM
1981	0.00	0.30	2.10	2.84	2.40	3.97	2.08	6.90	13.02	14.98	19.55	16.58	DRY	NORM	NORM	WET	WET
1982	2.60	2.19	7.27	1.41	1.49	1.15	1.46	28.79	20.96	14.56	7.84	8.17	WET	WET	NORM	NORM	NORM
1983	1.30	1.02	2.87	3.64	2.48	2.93	0.35	11.95	17.68	17.59	17.39	9.39	NORM	NORM	NORM	WET	NORM
1984	0.82	3.55	0.60	5.27	0.52	2.13	1.49	9.72	20.56	12.70	12.70	9.25	NORM	WET	NORM	NORM	NORM
1985	1.51	1.22	2.75	1.77	0.85	1.72	0.94	12.20	12.03	8.84	8.63	7.11	NORM	NORM	DRY	NORM	NORM
1986	0.78	5.30	4.53	1.45	3.72	0.67	2.57	24.97	18.71	18.59	10.90	12.77	WET	NORM	WET	NORM	WET
1987	2.32	0.25	4.95	1.70	1.39	1.36	0.68	17.67	15.25	12.52	8.56	6.15	WET	NORM	NORM	NORM	NORM
1988	1.65	0.98	1.03	2.46	0.43	0.44	0.67	6.70	10.42	7.24	4.64	3.32	DRY	NORM	DRY	DRY	DRY
1989	3.96	4.10	2.12	2.44	4.32	1.49	1.51	18.52	15.66	19.96	15.55	11.83	WET	NORM	WET	WET	WET
1990	0.27	1.76	1.54	1.82	0.63	0.11	0.19	8.41	10.30	7.07	3.41	1.42	NORM	NORM	DRY	DRY	DRY
1991	0.90	2.45	3.40	1.67	1.28	0.48	0.25	16.00	14.26	10.58	5.67	2.99	NORM	NORM	NORM	DRY	DRY
1992	0.40	0.99	2.73	5.50	5.25	1.04	0.71	10.57	22.95	29.48	19.12	9.46	NORM	WET	WET	WET	NORM
1993	1.22	1.14	1.61	5.81	9.31	0.71	0.54	8.33	21.79	41.16	26.56	12.35	NORM	WET	WET	WET	WET
1994	0.59	2.13	0.09	2.82	2.80	0.76	1.16	5.12	10.77	14.13	10.70	7.80	DRY	NORM	NORM	NORM	NORM
1995	0.88	2.18	5.31	3.10	2.25	1.72	0.63	21.17	22.10	18.26	12.76	7.58	WET	WET	NORM	NORM	NORM
1996	1.12	0.94	7.28	1.78	1.54	1.87	3.72	24.84	20.84	15.46	10.47	16.44	WET	WET	NORM	NORM	WET
1997	0.44	4.68	2.11	4.16	1.90	1.60	1.52	16.13	21.38	16.13	12.76	9.66	NORM	WET	NORM	NORM	NORM
1998	0.93	0.58	1.51	4.07	1.09	2.51	0.83	6.62	15.81	12.92	13.78	8.60	DRY	NORM	NORM	NORM	NORM
1999	0.19	3.04	3.92	5.37	2.61	4.46	1.00	18.03	26.99	22.49	23.97	14.53	WET	WET	WET	WET	WET
2000	1.48	2.32	3.52	1.97	2.82	0.12	0.33	16.68	15.27	15.92	7.97	4.05	WET	NORM	NORM	NORM	DRY
2001	0.28	2.34	2.22	3.53	5.00	0.23	1.38	11.62	17.37	24.28	14.22	9.60	NORM	NORM	WET	NORM	NORM
2002	0.28	0.81	1.22	1.37	2.84	1.30	0.61	5.56	7.36	12.48	10.95	7.27	DRY	DRY	NORM	NORM	NORM
2003	2.61	1.65	3.16	2.62	1.45	0.06	2.62	15.39	15.83	12.75	5.70	9.43	NORM	NORM	NORM	DRY	NORM
2004	0.40	0.87	2.26	1.42	3.19	2.04	1.87	8.92	9.65	14.67	13.92	12.88	NORM	DRY	NORM	NORM	WET
2005	0.58	0.88	5.16	2.96	3.26	1.95	0.95	17.82	20.08	20.86	15.33	10.01	WET	WET	WET	WET	NORM
2006	2.25	1.45	0.69	0.62	0.46	1.66	3.37	7.22	4.69	3.31	6.52	13.89	NORM	DRY	DRY	NORM	WET
2007	1.28	1.24	6.73	2.24	0.94	2.03	0.17	23.95	21.42	14.03	10.21	5.51	WET	WET	NORM	NORM	NORM
2008	0.78	1.41	4.07	4.91	0.66	2.47	0.63	15.81	24.28	15.87	13.64	7.49	NORM	WET	NORM	NORM	NORM
2009	2.32	1.43	1.59	3.26	2.34	1.15	0.34	9.95	14.39	15.13	11.39	5.66	NORM	NORM	NORM	NORM	NORM
2010	0.87	1.91	5.58	2.18	2.90	2.70	2.81	21.43	19.61	18.64	16.08	16.73	WET	WET	WET	WET	WET
2011	0.93	2.32	4.56	3.31	2.53	4.19	0.00	19.25	21.37	18.77	20.94	10.91	WET	WET	WET	WET	WET
2012	0.53	2.72	2.76	0.50	2.33	0.98	0.00	14.25	9.74	10.75	8.10	4.29	NORM	DRY	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.21	1.49
April	1.14	2.11	2.57
May	1.39	2.72	3.33
June	2.00	2.82	3.34
July	1.18	2.27	2.77
August	0.71	1.47	1.80
Sept.	0.53	1.20	1.47
Jun-MAM	7.05	13.59	16.62
Jul-JMA	9.92	16.01	19.25
Aug-JJM	8.93	15.17	18.32
Sep-AJJ	6.49	11.77	14.28
Oct-SAJ	4.19	8.81	10.78

Normals are for 1971-2000 data

March	1.21
April	2.11
May	2.72
June	2.82
July	2.27
August	1.47
Sept.	1.20

Rainfall Data
Blunt
Station #SD0760
Hughes County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.44	0.08	1.36	4.48	2.16	3.38	0.27	4.68	16.24	16.80	18.94	9.73	DRY	NORM	NORM	WET	NORM
1981	2.12	0.37	2.62	1.71	4.93	2.44	0.20	10.72	10.74	20.83	18.89	10.41	NORM	DRY	NORM	WET	NORM
1982	1.46	1.19	5.06	5.05	2.16	2.43	0.88	19.02	26.46	21.64	16.66	9.66	WET	WET	WET	NORM	NORM
1983	0.94	0.81	2.73	4.02	0.96	3.06	0.79	10.75	18.33	13.65	15.12	9.45	NORM	NORM	NORM	NORM	NORM
1984	0.87	2.99	2.66	7.62	2.07	0.62	1.14	14.83	31.17	24.11	13.62	6.73	NORM	WET	WET	NORM	NORM
1985	1.92	0.68	1.41	1.78	1.63	2.59	1.73	7.51	8.84	9.86	12.81	12.00	DRY	DRY	DRY	NORM	NORM
1986	1.21	5.47	4.81	3.41	3.15	1.54	2.10	26.58	25.32	21.08	14.33	12.53	WET	WET	NORM	NORM	NORM
1987	2.31	0.12	2.40	0.95	2.16	2.18	0.74	9.75	7.77	10.78	11.81	8.74	NORM	DRY	DRY	NORM	NORM
1988	0.07	1.11	2.66	2.50	3.76	1.59	1.07	10.27	13.93	18.94	14.79	10.15	NORM	NORM	NORM	NORM	NORM
1989	1.94	2.54	1.97	0.85	2.73	1.72	3.73	12.93	9.03	11.86	11.47	17.36	NORM	DRY	NORM	NORM	WET
1990	1.48	1.83	2.50	3.32	2.59	3.27	0.97	12.64	16.79	16.91	18.31	12.04	NORM	NORM	NORM	WET	NORM
1991	0.63	3.03	7.49	5.23	1.20	2.35	1.51	29.16	33.70	21.55	14.68	10.43	WET	WET	WET	NORM	NORM
1992	0.57	0.51	0.78	4.65	6.96	1.54	1.09	3.93	16.02	30.96	23.19	13.31	DRY	NORM	WET	WET	WET
1993	1.18	1.46	2.17	4.36	3.89	0.59	1.86	10.61	18.88	22.56	13.91	10.65	NORM	NORM	WET	NORM	NORM
1994	0.16	1.83	1.44	3.39	5.40	1.25	1.21	8.14	14.88	24.42	17.94	11.53	DRY	NORM	WET	WET	NORM
1995	1.10	3.76	4.13	5.59	2.19	2.19	1.66	21.01	28.79	21.88	16.54	11.55	WET	WET	WET	NORM	NORM
1996	0.76	0.51	4.73	1.81	2.38	0.73	7.01	15.97	15.40	15.49	8.76	24.87	NORM	NORM	NORM	DRY	WET
1997	0.39	2.46	3.76	4.74	4.48	1.65	0.41	16.59	24.20	26.68	18.65	9.01	NORM	WET	WET	WET	NORM
1998	2.24	1.16	2.91	3.32	1.05	3.00	0.02	13.29	16.94	12.70	14.42	7.11	NORM	NORM	NORM	NORM	NORM
1999	0.48	3.00	5.75	4.73	0.55	3.62	3.57	23.73	28.69	16.86	16.69	18.50	WET	WET	NORM	NORM	WET
2000	0.96	1.76	4.27	1.92	1.56	3.43	0.11	17.29	16.06	12.79	15.33	8.75	WET	NORM	NORM	NORM	NORM
2001	0.43	3.94	2.63	2.37	2.65	0.24	1.91	16.20	16.31	15.32	8.39	8.86	NORM	NORM	NORM	DRY	NORM
2002	0.95	0.66	0.80	3.41	1.68	5.11	1.78	4.67	12.49	12.66	22.10	17.24	DRY	NORM	NORM	WET	WET
2003	0.49	2.55	3.40	3.04	1.71	1.45	0.95	15.79	18.47	14.61	10.81	7.46	NORM	NORM	NORM	NORM	NORM
2004	3.43	0.27	3.87	2.63	3.16	2.13	4.44	15.58	15.90	18.61	15.34	20.74	NORM	NORM	NORM	NORM	WET
2005	0.45	1.88	3.2	4.73	0.61	0.63	1.47	13.81	22.47	14.49	7.84	6.28	NORM	WET	NORM	DRY	NORM
2006	1.40	1.32	0.55	0.81	0.50	4.46	2.54	5.69	4.85	3.67	15.19	17.04	DRY	DRY	DRY	NORM	WET
2007	3.15	2.15	3.63	4.70	0.33	2.15	1.49	18.34	23.51	14.02	11.81	9.10	WET	WET	NORM	NORM	NORM
2008	0.86	0.75	2.23	4.39	3.88	0.41	2.83	9.05	18.38	22.65	13.38	13.19	NORM	NORM	WET	NORM	WET
2009	0.59	1.54	0.85	3.00	2.86	4.42	0.39	6.22	12.24	15.43	21.98	12.87	DRY	NORM	NORM	WET	NORM
2010	1.53	2.14	5.35	3.55	3.38	1.70	4.47	21.86	23.49	22.59	15.41	20.19	WET	WET	WET	NORM	WET
2011	1.53	3.88	3.55	6.14	3.98	1.31	0.82	19.94	29.40	27.77	18.03	9.06	WET	WET	WET	WET	NORM
2012	0.25	4.13	1.89	2.65	1.01	0.00	0.00	14.18	15.86	10.22	4.67	1.01	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.56	1.28	1.56
April	0.88	1.82	2.22
May	2.07	3.13	3.76
June	2.07	3.25	3.92
July	1.63	2.72	3.29
August	1.19	2.00	2.43
Sept.	0.45	1.36	1.67
Jun-MAM	8.53	14.31	17.28
Jul-JMA	11.23	17.83	21.50
Aug-JJM	11.10	17.79	21.47
Sep-AJJ	8.90	14.69	17.79
Oct-SAJ	5.36	10.80	13.16

Normals are for 1971-2000 data

March	1.28
April	1.82
May	3.13
June	3.25
July	2.72
August	2.00
Sept.	1.36

NOTE:
Pierre Regional AP NWS Station (SD6597) was used for March, June, and Sept. 2007; and Sept. 2008.
Harold 12 SSW NWS Station (SD3608) was used for June-Sept. 2011, and 2012.

Rainfall Data
Bonesteel
Station #SD0778
Gregory County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.05	0.90	3.60	1.45	3.05	3.75	0.25	13.65	12.45	15.65	18.80	11.30	NORM	DRY	NORM	NORM	NORM
1981	1.75	1.80	3.15	3.40	5.40	2.70	2.60	14.80	18.30	26.15	22.30	18.60	NORM	NORM	NORM	NORM	NORM
1982	0.45	1.45	8.30	0.59	1.63	2.20	2.50	28.25	19.82	14.37	10.45	13.53	WET	NORM	DRY	DRY	NORM
1983	3.40	1.65	3.80	8.88	4.40	0.40	0.85	18.10	35.89	34.76	18.88	7.75	NORM	WET	WET	NORM	DRY
1984	1.55	6.80	6.30	3.35	4.67	3.00	2.10	34.05	29.45	27.01	21.69	16.97	WET	WET	NORM	NORM	NORM
1985	1.10	5.28	1.60	1.90	3.30	5.15	2.45	16.46	14.18	15.30	23.95	20.95	NORM	DRY	NORM	NORM	NORM
1986	1.85	5.65	5.96	4.80	2.20	0.60	9.10	31.03	31.97	22.16	11.00	30.70	WET	WET	NORM	DRY	WET
1987	8.10	1.40	3.28	1.02	3.25	3.95	5.80	20.74	11.02	15.07	19.37	28.55	NORM	DRY	NORM	NORM	WET
1988	0.65	4.40	6.00	1.70	4.07	2.11	7.30	27.45	21.50	21.61	16.17	30.19	WET	NORM	NORM	NORM	WET
1989	0.66	0.83	2.00	4.85	5.25	3.17	1.95	8.32	19.38	27.45	24.86	17.44	DRY	NORM	NORM	WET	NORM
1990	1.50	2.27	5.05	3.60	2.26	2.50	0.13	21.19	23.17	19.03	15.62	7.65	NORM	NORM	NORM	NORM	DRY
1991	0.80	2.90	6.50	4.50	0.90	1.90	3.45	26.10	29.40	18.20	12.00	15.05	NORM	WET	NORM	DRY	NORM
1992	3.60	1.88	0.75	6.73	6.27	5.00	1.70	9.61	23.57	33.02	34.27	21.37	DRY	NORM	WET	WET	NORM
1993	0.95	3.25	6.30	5.60	7.10	2.70	4.00	26.35	32.65	38.80	27.90	24.50	WET	WET	WET	WET	WET
1994	0.05	2.75	0.37	6.68	6.25	1.95	1.12	6.66	23.53	32.48	25.03	13.51	DRY	NORM	WET	WET	NORM
1995	3.14	4.82	9.01	1.17	1.45	3.47	4.05	39.81	26.35	15.70	14.48	20.54	WET	NORM	NORM	NORM	NORM
1996	0.43	1.24	9.13	3.50	1.43	3.72	8.42	30.30	30.00	20.42	17.52	34.13	WET	WET	NORM	NORM	WET
1997	0.12	3.05	3.58	1.90	1.70	5.00	3.65	16.96	15.91	12.48	20.30	22.65	NORM	NORM	DRY	NORM	NORM
1998	1.96	4.60	2.17	5.90	3.72	3.15	0.95	17.67	26.64	25.13	22.79	12.87	NORM	NORM	NORM	NORM	NORM
1999	1.33	5.55	4.34	4.38	5.03	0.30	2.69	25.45	27.37	28.19	15.34	13.70	NORM	NORM	WET	NORM	NORM
2000	1.40	1.29	4.23	3.60	2.10	0.40	0.25	16.67	20.55	17.73	9.00	3.65	NORM	NORM	NORM	DRY	DRY
2001	0.87	8.65	2.92	1.67	3.10	1.00	3.55	26.93	19.50	15.56	10.87	15.75	WET	NORM	NORM	DRY	NORM
2002	1.17	2.10	1.52	0.85	0.50	3.15	1.52	9.93	7.69	4.72	11.30	11.36	DRY	DRY	DRY	DRY	NORM
2003	0.54	2.43	3.13	3.90	1.10	1.55	0.50	14.79	20.39	14.23	10.75	5.70	NORM	NORM	DRY	DRY	DRY
2004	2.17	0.83	4.18	3.97	2.11	0.80	5.89	16.37	21.10	18.45	10.59	21.38	NORM	NORM	NORM	DRY	NORM
2005	0.77	3.64	4.28	12.05	0.47	0.65	2.26	20.89	48.35	29.79	14.94	8.55	NORM	WET	WET	NORM	DRY
2006	1.24	0.94	0.81	3.12	0.45	2.69	3.58	5.55	11.92	8.40	12.09	16.57	DRY	DRY	DRY	DRY	NORM
2007	2.22	3.48	6.28	3.45	0.48	5.47	1.41	28.02	26.39	14.62	20.82	15.65	WET	NORM	DRY	NORM	NORM
2008	1.00	2.09	3.82	6.77	2.81	3.19	1.54	16.64	30.04	25.79	21.96	13.81	NORM	WET	NORM	NORM	NORM
2009	1.67	1.72	2.10	4.75	3.96	6.89	0.47	11.41	20.17	23.48	33.34	19.15	DRY	NORM	NORM	WET	NORM
2010	1.83	2.55	4.03	6.68	6.60	5.72	2.30	19.02	30.65	37.19	37.04	24.94	NORM	WET	WET	WET	WET
2011	0.97	3.28	6.98	4.76	3.21	5.72	0.51	28.47	31.52	26.13	28.34	16.18	WET	WET	NORM	WET	NORM
2012	0.44	4.76	1.70	1.75	1.34	1.13	0.46	15.06	13.41	9.22	7.82	4.98	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.67	1.76	2.08
April	1.92	2.97	3.47
May	2.92	4.41	5.77
June	2.35	3.67	4.55
July	2.34	3.55	4.28
August	1.93	2.89	3.89
Sept.	1.25	2.96	3.73
Jun-MAM	13.27	20.93	26.33
Jul-JMA	14.81	22.80	28.66
Aug-JJM	14.64	22.40	27.71
Sep-AJJ	12.82	19.44	24.78
Oct-SAJ	9.95	18.21	23.25

Normals are for 1971-2000 data

March	1.76
April	2.97
May	4.41
June	3.67
July	3.55
August	2.89
Sept.	2.96

NOTE:
Gregory NWS Station (SD3452) was used for June-Sept. 2004, March-Sept. 2005, March-Sept. 2006, and March-Sept. 2007-09.
Butte NWS Station (NE1365) was used for March-Sept. 2010-2012.

Rainfall Data
Bridgewater
Station #SD1032
McCook County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.61	0.62	0.77	2.56	1.07	3.04	1.23	4.16	9.84	9.10	13.82	10.84	DRY	DRY	DRY	NORM	DRY
2	1981	2.28	1.07	0.83	2.60	4.32	6.84	1.37	6.91	10.53	18.99	31.76	22.11	DRY	DRY	NORM	WET	NORM
3	1982	1.03	1.47	7.77	1.47	2.98	2.62	1.48	27.28	21.42	19.65	15.29	12.66	WET	NORM	NORM	NORM	NORM
4	1983	2.14	1.59	1.31	7.43	2.28	0.48	0.93	9.25	26.50	23.01	13.43	6.03	DRY	WET	NORM	NORM	DRY
5	1984	1.17	5.28	2.88	9.18	0.40	1.40	1.04	20.37	38.58	22.44	14.18	6.32	NORM	WET	NORM	NORM	DRY
6	1985	2.20	4.76	2.41	1.64	2.86	2.87	3.02	18.95	14.50	14.27	15.97	17.66	NORM	NORM	NORM	NORM	NORM
7	1986	1.65	7.06	3.19	4.27	2.30	2.62	7.00	25.34	26.25	18.63	16.73	28.54	WET	WET	NORM	NORM	WET
8	1987	3.53	0.36	2.63	1.84	6.46	1.72	2.25	12.14	11.14	25.69	19.92	16.65	NORM	DRY	WET	NORM	NORM
9	1988	0.48	2.33	3.94	0.57	0.98	3.73	2.95	16.96	11.92	8.02	13.72	17.29	NORM	DRY	DRY	NORM	NORM
10	1989	1.34	0.95	3.00	3.50	2.80	1.75	2.95	12.24	17.45	18.40	14.35	15.15	NORM	NORM	NORM	NORM	NORM
11	1990	1.00	1.70	7.10	3.30	3.40	4.50	0.85	25.70	25.80	23.90	23.60	14.95	WET	WET	NORM	NORM	NORM
12	1991	0.80	2.95	4.55	2.95	2.40	2.80	3.05	20.35	20.90	17.65	16.15	17.15	NORM	NORM	NORM	NORM	NORM
13	1992	2.00	2.15	1.15	2.85	9.55	6.05	3.05	9.75	13.00	35.50	40.10	30.80	DRY	NORM	WET	WET	WET
14	1993	1.55	1.55	5.60	7.05	6.95	5.90	2.55	21.45	33.90	40.55	38.65	26.40	NORM	WET	WET	WET	WET
15	1994	0.20	3.25	2.25	8.45	2.10	3.10	3.20	13.45	33.10	25.45	21.95	17.90	NORM	WET	WET	NORM	NORM
16	1995	3.80	3.80	8.40	2.15	3.25	3.20	3.40	36.60	27.05	22.45	18.25	19.85	WET	WET	NORM	NORM	NORM
17	1996	0.35	1.15	7.45	2.15	1.30	4.30	6.50	25.00	22.50	15.65	17.65	29.40	WET	NORM	NORM	NORM	WET
18	1997	0.00	2.65	4.20	9.90	3.10	2.75	2.75	17.90	40.75	33.30	24.35	16.85	NORM	WET	WET	NORM	NORM
19	1998	2.95	4.05	1.05	5.60	3.50	4.75	1.70	14.20	22.95	22.75	26.85	18.10	NORM	NORM	NORM	WET	NORM
20	1999	0.50	6.10	4.70	4.60	5.55	3.20	6.05	26.80	29.30	30.55	25.30	30.10	WET	WET	WET	WET	WET
21	2000	1.20	2.40	6.80	5.25	3.60	5.70	0.82	26.40	31.75	28.10	29.55	17.46	WET	WET	WET	WET	NORM
22	2001	0.35	7.60	2.75	3.55	8.11	1.60	4.05	23.80	23.75	34.18	24.57	23.46	WET	NORM	WET	NORM	WET
23	2002	0.60	1.80	1.80	4.55	3.00	9.20	2.30	9.60	19.05	19.90	38.15	28.30	DRY	NORM	NORM	WET	WET
24	2003	0.00	3.90	3.75	6.65	2.00	3.65	3.20	19.05	31.35	23.05	21.60	18.90	NORM	WET	NORM	NORM	NORM
25	2004	0.90	0.95	7.10	2.65	4.35	4.70	5.75	24.10	23.10	25.45	25.45	31.00	WET	NORM	WET	WET	WET
26	2005	1.10	4.25	4.45	6.35	0.80	1.7	2.8	22.95	32.20	19.55	13.05	12.60	WET	WET	NORM	DRY	NORM
27	2006	1.60	4.05	1.50	2.25	0.20	5.10	6.55	14.20	13.80	6.60	17.95	30.05	NORM	NORM	DRY	NORM	WET
28	2007	5.20	1.75	4.90	3.95	0.00	6.55	1.85	23.40	23.40	12.80	23.60	18.65	WET	NORM	DRY	NORM	NORM
29	2008	0.25	2.10	1.75	7.75	1.95	0.70	1.95	9.70	28.85	23.10	13.75	9.20	DRY	WET	NORM	NORM	DRY
30	2009	0.90	1.55	2.30	8.65	8.00	1.45	2.18	10.90	32.10	43.60	29.00	17.44	NORM	WET	WET	WET	NORM
31	2010	0.39	2.05	2.03	9.62	9.39	5.26	2.85	10.58	34.97	49.44	44.18	28.46	DRY	WET	WET	WET	WET
32	2011	0.50	2.50	4.28	3.18	1.93	4.26	0.28	18.34	20.60	16.43	19.82	11.29	NORM	NORM	NORM	NORM	DRY
33	2012	0.00	1.95	5.18	1.05	0.20	1.32	0.30	19.44	15.46	7.88	5.41	3.74	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.81	1.58	1.95
April	1.43	2.45	2.97
May	2.33	3.86	4.67
June	2.30	3.63	4.38
July	2.02	3.23	3.90
August	2.31	3.52	4.22
Sept.	1.62	2.78	3.37
Jun-MAM	10.66	18.06	21.90
Jul-JMA	12.99	21.06	25.45
Aug-JJM	12.99	20.81	25.13
Sep-AJJ	13.27	20.65	24.84
Oct-SAJ	11.50	18.61	22.45

Normals are for 1971-2000 data

March	1.58
April	2.45
May	3.86
June	3.63
July	3.23
August	3.52
Sept.	2.78

NOTE:
Alexandria NWS Station (SD0128) was used for May-August 1980, April and Sept. 1981, June 1982, March and June-Sept. 1983; March-June 1984; and May 1985; Sept. 2011.

Rainfall Data
Britton
Station #SD1049
Marshall County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.58	0.60	1.72	2.80	0.74	4.05	1.11	6.94	12.44	9.54	16.43	12.17	DRY	NORM	DRY	NORM	NORM
1981	1.16	0.71	1.10	4.89	2.37	2.46	0.82	5.88	17.58	17.99	17.01	9.75	DRY	NORM	NORM	NORM	NORM
1982	0.68	0.38	2.27	1.79	1.88	0.83	2.12	8.25	10.29	11.49	8.04	9.90	NORM	DRY	DRY	DRY	NORM
1983	1.62	0.58	1.55	2.58	2.69	3.84	1.52	7.43	11.42	14.78	19.48	14.93	DRY	NORM	NORM	NORM	NORM
1984	1.20	2.08	1.10	7.39	1.63	0.80	1.00	8.66	26.45	20.77	13.05	6.23	NORM	WET	NORM	NORM	DRY
1985	0.88	0.14	4.65	2.68	1.40	1.65	2.16	15.11	17.48	14.21	10.43	11.18	NORM	NORM	NORM	NORM	NORM
1986	0.46	7.27	3.52	2.62	8.37	3.57	4.09	25.56	22.17	33.87	30.07	27.78	WET	WET	WET	WET	WET
1987	1.38	0.53	2.09	2.19	3.46	1.31	2.02	8.71	11.28	16.85	13.04	12.14	NORM	NORM	NORM	NORM	NORM
1988	0.39	0.15	4.05	0.76	1.46	3.35	5.47	12.84	10.53	9.95	13.73	24.57	NORM	NORM	DRY	NORM	WET
1989	1.85	2.69	1.25	2.67	3.57	2.91	2.26	10.98	13.20	17.30	18.54	16.17	NORM	NORM	NORM	NORM	NORM
1990	1.80	1.65	2.38	3.88	2.35	2.37	2.56	12.24	18.05	17.19	15.69	14.77	NORM	NORM	NORM	NORM	NORM
1991	0.56	3.98	7.37	5.81	4.80	1.93	1.78	30.63	36.15	33.39	21.20	14.00	WET	WET	WET	WET	NORM
1992	0.80	0.83	1.49	5.84	5.63	2.53	3.53	6.93	21.33	30.06	24.69	21.28	DRY	NORM	WET	WET	WET
1993	0.58	2.13	2.64	5.90	10.70	1.44	0.55	12.76	25.11	46.54	31.62	15.23	NORM	WET	WET	WET	NORM
1994	0.39	2.90	1.42	0.88	8.95	1.87	1.81	10.45	8.38	30.03	24.39	18.12	NORM	DRY	WET	WET	WET
1995	2.95	1.76	2.69	2.42	2.55	4.09	4.55	14.54	14.40	15.18	19.79	24.38	NORM	NORM	NORM	NORM	WET
1996	0.80	0.39	4.38	2.01	1.77	0.69	3.60	14.72	15.18	13.71	7.62	13.95	NORM	NORM	NORM	DRY	NORM
1997	0.76	1.88	1.58	2.29	2.81	2.77	1.79	9.26	11.91	14.59	16.22	13.72	NORM	NORM	NORM	NORM	NORM
1998	1.56	4.20	6.35	6.23	2.29	2.90	0.48	29.01	35.59	25.68	19.51	9.53	WET	WET	WET	NORM	NORM
1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	NORM	NORM	NORM	NORM	WET
2000	0.97	1.57	2.81	3.54	5.25	1.53	1.27	12.54	17.81	25.64	18.63	12.12	NORM	NORM	WET	NORM	NORM
2001	0.15	3.33	2.38	2.44	4.57	1.41	2.36	13.95	15.41	20.97	15.81	14.47	NORM	NORM	NORM	NORM	NORM
2002	0.65	0.76	1.61	0.49	3.51	3.09	0.59	7.00	5.45	13.12	16.78	11.46	DRY	DRY	NORM	NORM	NORM
2003	0.18	3.04	3.90	6.09	3.45	0.92	1.21	17.96	29.11	26.43	15.75	8.92	WET	WET	WET	NORM	NORM
2004	0.78	0.87	6.90	1.86	2.78	1.12	4.00	23.22	20.25	18.96	10.78	17.02	WET	NORM	NORM	NORM	NORM
2005	0.00	0.49	3.05	11.11	3.37	6.09	4.27	10.13	39.92	35.38	36.12	28.36	NORM	WET	WET	WET	WET
2006	1.41	2.48	2.28	2.02	0.78	3.84	3.45	13.21	13.10	8.66	15.10	18.81	NORM	NORM	DRY	NORM	WET
2007	1.72	3.79	6.01	5.42	1.60	2.50	1.90	27.33	32.07	21.65	16.12	12.30	WET	WET	NORM	NORM	NORM
2008	0.61	1.98	1.32	4.53	4.07	2.48	4.11	8.53	18.21	22.59	20.11	21.36	NORM	NORM	NORM	NORM	WET
2009	2.55	0.78	1.19	7.38	4.36	3.54	5.71	7.68	25.30	29.03	26.72	28.57	NORM	WET	WET	WET	WET
2010	1.22	1.14	3.30	3.16	1.81	2.25	4.31	13.40	17.22	15.05	13.53	19.24	NORM	NORM	NORM	NORM	WET
2011	1.42	2.00	3.11	2.93	9.91	2.09	0.67	14.75	17.01	38.70	29.02	16.10	NORM	NORM	WET	WET	NORM
2012	0.69	4.22	0.74	3.10	2.34	1.04	0.23	11.35	15.00	13.96	10.90	5.11	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.62	1.03	1.24
April	0.79	1.72	2.10
May	1.76	2.87	3.47
June	2.05	3.44	4.17
July	1.88	3.33	4.10
August	1.51	2.28	2.73
Sept.	0.93	2.08	2.54
Jun-MAM	7.48	13.08	15.85
Jul-JMA	10.46	17.78	21.55
Aug-JJM	11.50	19.74	24.11
Sep-AJJ	10.34	16.94	20.56
Oct-SAJ	7.69	14.13	17.18

Normals are for 1971-2000 data

March	1.03
April	1.72
May	2.87
June	3.44
July	3.33
August	2.28
Sept.	2.08

Rainfall Data
Brookings 2 NE
Station #SD1076
Brookings County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.53	0.34	1.09	9.28	2.58	3.93	0.42	4.48	30.36	27.39	26.23	11.70	DRY	WET	WET	WET	NORM
2	1981	1.18	1.50	0.71	2.89	4.01	3.69	0.74	6.31	11.59	18.52	21.98	13.61	DRY	DRY	NORM	NORM	NORM
3	1982	0.37	1.43	4.31	2.25	5.55	1.92	2.74	16.16	16.80	25.46	19.11	17.61	NORM	NORM	WET	NORM	NORM
4	1983	3.45	1.28	1.14	4.45	3.03	4.29	2.35	9.43	16.91	19.13	23.38	18.66	NORM	NORM	NORM	WET	NORM
5	1984	1.38	3.38	3.06	8.48	2.17	1.64	1.83	17.32	34.94	26.53	17.74	10.94	NORM	WET	WET	NORM	NORM
6	1985	3.35	2.01	3.57	0.82	1.49	3.92	5.09	18.08	11.61	9.68	15.56	24.60	WET	DRY	DRY	NORM	WET
7	1986	1.04	5.36	3.72	4.42	3.71	3.43	7.67	22.92	26.06	23.69	22.13	33.58	WET	WET	NORM	NORM	WET
8	1987	2.48	0.28	1.65	2.54	5.29	1.88	4.55	7.99	11.20	22.60	18.76	22.70	NORM	DRY	NORM	NORM	WET
9	1988	0.29	1.80	1.52	1.42	1.75	2.94	4.70	8.45	9.10	9.61	13.74	21.73	NORM	DRY	DRY	NORM	WET
10	1989	1.30	1.59	0.78	4.02	6.04	1.52	2.36	6.82	15.21	26.94	20.66	16.16	DRY	NORM	WET	NORM	NORM
11	1990	1.30	1.07	5.59	7.55	3.74	3.13	0.66	20.21	34.90	31.91	24.42	11.98	WET	WET	WET	WET	NORM
12	1991	0.17	3.54	3.69	5.15	4.21	2.43	3.30	18.32	26.37	26.62	20.86	18.97	WET	WET	WET	NORM	NORM
13	1992	1.25	1.79	1.19	7.98	3.69	4.67	1.87	8.40	28.11	28.22	29.37	18.64	NORM	WET	WET	WET	NORM
14	1993	0.79	1.96	4.32	8.69	5.18	2.27	2.12	17.67	36.67	37.24	25.86	16.08	WET	WET	WET	WET	NORM
15	1994	0.40	2.99	1.52	10.21	2.08	3.57	2.75	10.94	36.66	28.18	25.08	17.47	NORM	WET	WET	WET	NORM
16	1995	2.77	2.71	4.52	2.73	6.85	4.46	3.93	21.75	19.94	30.53	29.81	27.56	WET	NORM	WET	WET	WET
17	1996	0.39	0.26	4.92	2.84	0.86	3.02	2.61	15.67	18.62	13.18	13.62	14.73	NORM	NORM	NORM	NORM	NORM
18	1997	0.67	2.14	1.36	2.40	2.69	1.55	1.72	9.03	12.06	14.23	12.43	10.95	NORM	DRY	NORM	DRY	NORM
19	1998	0.66	1.82	1.54	2.04	1.59	3.51	0.76	8.92	11.02	10.39	15.75	10.89	NORM	DRY	DRY	NORM	NORM
20	1999	1.34	4.18	3.42	2.58	2.72	1.86	2.84	19.96	18.76	16.74	13.60	14.96	WET	NORM	NORM	NORM	NORM
21	2000	1.11	1.47	6.74	3.01	1.77	1.61	0.92	24.27	23.98	18.07	11.38	7.75	WET	NORM	NORM	DRY	DRY
22	2001	0.79	5.90	1.91	3.66	2.60	0.73	2.26	18.32	20.70	17.03	11.05	10.84	WET	NORM	NORM	DRY	NORM
23	2002	2.13	1.29	3.09	2.43	2.70	7.22	1.39	13.98	14.76	16.05	29.49	21.31	NORM	NORM	NORM	WET	WET
24	2003	0.10	1.95	2.74	3.30	2.76	2.21	3.44	12.22	17.33	17.62	15.45	17.50	NORM	NORM	NORM	NORM	NORM
25	2004	1.15	1.62	6.21	2.68	4.37	0.91	6.21	23.02	22.08	24.68	14.15	24.82	WET	NORM	NORM	NORM	WET
26	2005	0.54	1.85	3.79	5.99	3.47	3.52	7.65	15.61	27.40	26.18	23.49	33.46	NORM	WET	WET	WET	WET
27	2006	1.59	2.65	2.02	2.35	0.23	5.65	6.36	12.95	13.74	7.41	19.76	30.61	NORM	NORM	DRY	NORM	WET
28	2007	2.13	3.62	1.86	2.99	0.14	6.45	1.20	14.95	16.31	8.26	22.62	16.64	NORM	NORM	DRY	NORM	NORM
29	2008	1.26	1.36	3.04	5.95	1.89	0.79	1.61	13.10	25.29	20.61	12.10	8.30	NORM	WET	NORM	DRY	DRY
30	2009	0.91	1.09	2.36	3.73	3.97	1.76	1.52	10.17	17.00	21.73	16.95	12.05	NORM	NORM	NORM	NORM	NORM
31	2010	1.06	1.54	2.68	9.48	6.75	5.28	8.43	12.18	35.34	41.89	38.82	42.60	NORM	WET	WET	WET	WET
32	2011	0.82	2.64	6.17	3.98	4.88	1.52	0.14	24.61	26.92	28.77	18.30	8.34	WET	WET	WET	NORM	DRY
33	2012	0.54	2.77	6.94	1.59	1.40	2.48	0.73	26.90	21.42	14.32	11.83	8.55	WET	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.67	1.29	1.58
April	1.20	2.03	2.47
May	1.61	2.95	3.60
June	2.55	4.23	5.12
July	2.02	3.11	3.74
August	2.25	2.94	3.42
Sept.	1.28	2.48	3.03
Jun-MAM	7.90	14.20	17.32
Jul-JMA	12.07	20.62	25.03
Aug-JJM	12.77	20.74	25.06
Sep-AJJ	13.34	19.27	22.86
Oct-SAJ	10.36	16.43	19.67

Normals are for 1971-2000 data

March	1.29
April	2.03
May	2.95
June	4.23
July	3.11
August	2.94
Sept.	2.48

NOTE:
Brookings NWS Station (SD1079) was used for March 2007.

Rainfall Data
Bryant 1 NE
Station #SD1102
Hamlin County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.60	0.59	1.03	5.81	2.89	3.90	0.78	4.87	20.08	21.32	23.29	13.03	DRY	NORM	NORM	NORM	NORM
1981	1.68	0.84	1.15	3.27	5.59	3.13	1.61	6.81	12.95	24.46	23.84	16.68	DRY	DRY	NORM	NORM	NORM
1982	1.18	1.23	6.54	2.04	6.67	2.29	2.94	23.26	20.43	30.63	22.25	20.07	WET	NORM	WET	NORM	WET
1983	2.93	1.05	1.66	2.52	1.79	1.85	3.30	10.01	11.93	12.07	11.65	15.39	NORM	DRY	DRY	DRY	NORM
1984	1.37	2.83	2.80	8.47	2.68	3.89	1.17	15.43	33.84	27.78	25.50	13.97	NORM	WET	WET	WET	NORM
1985	2.11	1.99	2.11	2.66	3.08	4.25	8.34	12.42	14.19	16.67	21.57	36.60	NORM	NORM	NORM	NORM	WET
1986	1.33	8.67	3.50	4.32	3.49	3.93	4.12	29.17	28.63	22.61	23.09	23.71	WET	WET	NORM	NORM	WET
1987	3.18	0.84	1.22	2.21	5.61	2.99	1.52	8.52	9.91	22.47	22.40	16.15	DRY	DRY	NORM	NORM	NORM
1988	0.81	1.39	2.85	0.63	1.15	4.04	2.09	12.14	8.98	7.56	15.05	15.50	NORM	DRY	DRY	NORM	NORM
1989	2.20	2.91	1.84	3.20	4.43	3.82	1.70	13.54	16.19	21.53	23.52	17.17	NORM	NORM	NORM	NORM	NORM
1990	1.03	1.00	2.95	6.56	5.17	1.14	0.87	11.88	26.58	31.58	20.32	10.06	NORM	WET	WET	NORM	NORM
1991	0.66	5.48	4.57	10.40	1.56	1.52	2.59	25.33	45.82	30.05	18.08	12.37	WET	WET	WET	NORM	NORM
1992	1.20	2.11	0.74	5.56	5.18	2.39	2.95	7.64	20.27	27.40	23.09	18.81	DRY	NORM	WET	NORM	NORM
1993	0.80	2.93	2.77	9.08	3.79	4.41	2.22	14.97	35.71	32.30	29.89	19.27	NORM	WET	WET	WET	NORM
1994	0.22	1.95	2.24	4.97	2.94	4.76	2.23	10.84	21.34	21.00	25.13	19.15	NORM	NORM	NORM	WET	NORM
1995	3.11	4.41	4.45	2.13	4.15	2.49	5.09	25.28	19.70	21.16	17.90	24.40	WET	NORM	NORM	NORM	WET
1996	0.51	0.35	4.43	2.30	1.10	2.60	3.15	14.50	16.11	12.33	12.30	15.75	NORM	NORM	DRY	DRY	NORM
1997	1.51	2.60	1.42	2.10	8.28	2.02	3.40	10.97	11.74	30.46	24.72	22.52	NORM	DRY	WET	WET	WET
1998	1.92	2.13	2.51	2.84	5.22	6.23	0.63	13.71	15.67	23.85	31.97	19.57	NORM	NORM	NORM	WET	NORM
1999	0.65	2.91	4.34	6.64	5.65	3.23	2.94	19.49	31.51	34.57	27.63	20.93	WET	WET	WET	WET	WET
2000	0.86	1.69	4.78	3.96	3.72	2.23	0.99	18.58	23.13	23.86	18.09	11.15	NORM	NORM	NORM	NORM	NORM
2001	0.46	2.63	4.25	4.67	5.89	1.10	2.46	18.47	25.14	31.26	19.75	15.47	NORM	NORM	WET	NORM	NORM
2002	1.35	1.53	2.94	1.69	1.01	4.39	1.72	13.23	12.48	9.35	16.88	14.95	NORM	DRY	DRY	NORM	NORM
2003	0.45	1.77	2.47	4.08	1.81	0.71	1.58	11.40	18.95	16.06	9.83	7.97	NORM	NORM	NORM	DRY	DRY
2004	1.36	1.94	4.95	3.41	2.55	1.56	7.51	20.09	22.07	19.42	13.19	28.20	WET	NORM	NORM	NORM	WET
2005	0.26	2.42	2.79	4.1	2.13	2.77	7.93	13.47	20.30	17.38	16.67	31.46	NORM	NORM	NORM	NORM	WET
2006	1.32	2.56	1.13	2.03	0.86	6.81	5.51	9.83	10.91	7.77	24.18	31.01	NORM	DRY	DRY	WET	WET
2007	1.84	4.49	5.80	3.18	0.18	4.94	4.00	28.22	25.63	12.70	18.36	22.06	WET	WET	DRY	NORM	WET
2008	1.48	1.69	3.00	5.36	2.44	0.52	2.37	13.86	23.77	21.04	11.80	10.59	NORM	NORM	NORM	DRY	NORM
2009	1.33	2.02	2.03	3.58	6.91	2.63	2.77	11.46	16.82	29.92	25.29	20.48	NORM	NORM	WET	WET	WET
2010	1.45	1.43	3.22	9.79	6.00	3.96	5.73	13.97	37.24	40.80	33.67	31.11	NORM	WET	WET	WET	WET
2011	2.06	2.12	3.66	3.56	1.46	1.00	0.31	17.28	20.12	15.16	9.48	4.39	NORM	NORM	NORM	DRY	DRY
2012	0.69	4.25	4.24	7.46	0.30	2.86	0.25	21.91	35.11	20.06	16.64	6.77	WET	WET	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.76	1.45	1.77
April	1.40	2.45	2.98
May	1.93	3.10	3.75
June	2.59	4.11	4.97
July	1.98	3.52	4.29
August	2.01	2.94	3.50
Sept.	1.34	2.36	2.87
Jun-MAM	9.35	15.65	18.98
Jul-JMA	13.03	20.98	25.39
Aug-JJM	13.05	21.88	26.56
Sep-AJJ	12.58	19.97	24.05
Oct-SAJ	10.02	16.48	19.90

Normals are for 1971-2000 data

March	1.45
April	2.45
May	3.10
June	4.11
July	3.52
August	2.94
Sept.	2.36

NOTE:
De Smet NWS Station (SD2302) was used for July-September 2006.

Rainfall Data
Buffalo Gap
Station #SD1124
Custer County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.53	0.95	2.50	1.94	1.48	2.71	0.38	10.93	11.77	10.82	13.03	8.04	NORM	DRY	DRY	NORM	NORM
1981	0.35	0.56	5.67	1.12	5.65	0.94	0.08	18.48	15.26	24.86	15.24	7.77	WET	NORM	WET	NORM	NORM
1982	1.23	1.18	5.74	4.64	2.44	1.40	2.30	20.81	26.58	22.34	13.72	12.14	WET	WET	WET	NORM	NORM
1983	1.03	0.65	2.57	2.50	3.55	0.82	0.30	10.04	13.29	18.22	12.06	6.09	NORM	NORM	NORM	NORM	NORM
1984	1.29	3.71	2.31	4.28	2.03	0.71	0.36	15.64	21.17	16.96	10.47	4.53	NORM	NORM	NORM	NORM	DRY
1985	0.60	1.17	1.08	1.59	2.22	0.39	2.66	6.18	8.10	10.92	7.20	10.98	DRY	DRY	DRY	DRY	NORM
1986	0.78	4.09	1.44	5.27	1.86	1.92	3.78	13.28	22.78	17.56	14.75	17.04	NORM	WET	NORM	NORM	WET
1987	2.31	0.19	6.82	1.06	1.05	1.41	0.90	23.15	17.01	12.09	7.39	6.57	WET	NORM	NORM	DRY	NORM
1988	0.10	0.72	3.46	2.19	1.27	3.74	0.88	11.92	14.21	11.65	15.95	11.39	NORM	NORM	NORM	NORM	NORM
1989	0.99	1.28	1.58	1.23	3.01	2.13	3.13	8.29	8.13	13.07	13.64	16.66	DRY	DRY	NORM	NORM	WET
1990	1.46	1.76	5.20	2.47	1.84	0.79	1.28	20.58	19.57	15.66	8.52	7.26	WET	NORM	NORM	DRY	NORM
1991	0.29	3.18	4.13	5.60	0.50	1.58	0.90	19.04	28.24	16.83	11.34	6.36	WET	WET	NORM	NORM	NORM
1992	1.87	0.74	3.78	3.76	3.90	1.54	1.21	14.69	19.58	23.00	16.18	10.61	NORM	NORM	WET	NORM	NORM
1993	0.72	2.22	1.56	4.80	4.91	3.38	1.61	9.84	19.74	25.89	24.76	16.50	NORM	NORM	WET	WET	WET
1994	0.63	1.02	1.95	2.72	2.02	0.77	0.60	8.52	13.08	13.45	9.07	5.36	DRY	NORM	NORM	NORM	DRY
1995	0.20	1.76	5.93	5.32	3.06	1.45	1.73	21.51	29.58	25.75	15.79	11.15	WET	WET	WET	NORM	NORM
1996	0.95	2.43	5.03	1.18	1.06	4.74	2.66	20.90	16.03	10.57	17.52	18.52	WET	NORM	DRY	WET	WET
1997	0.14	3.23	4.67	3.87	9.23	1.54	0.64	20.61	24.18	40.10	26.95	14.23	WET	WET	WET	WET	WET
1998	2.70	0.37	4.62	4.79	3.57	4.28	4.25	17.30	23.98	24.91	24.77	24.88	NORM	WET	WET	WET	WET
1999	0.47	1.24	2.48	6.37	1.06	4.16	1.47	10.39	25.31	18.40	20.97	13.79	NORM	WET	NORM	WET	WET
2000	0.30	5.69	1.46	1.18	1.17	0.83	1.64	16.06	12.15	7.33	6.01	7.75	NORM	NORM	DRY	DRY	NORM
2001	0.53	1.77	2.80	2.93	2.09	0.79	0.72	12.47	16.16	14.93	9.48	5.83	NORM	NORM	NORM	NORM	NORM
2002	1.64	1.18	1.88	1.07	0.31	2.29	3.33	9.64	8.15	4.95	8.56	14.88	NORM	DRY	DRY	DRY	WET
2003	1.57	1.81	2.84	3.43	0.07	1.15	2.37	13.71	17.78	9.91	7.02	9.48	NORM	NORM	DRY	DRY	NORM
2004	0.53	0.84	1.75	0.88	1.44	0.88	2.89	7.46	6.98	7.83	6.40	11.87	DRY	DRY	DRY	DRY	NORM
2005	0.68	1.7	4.07	2.67	1.65	2.19	0.33	16.29	17.85	14.36	12.54	7.02	NORM	NORM	NORM	NORM	NORM
2006	2.35	1.62	0.97	1.13	1.86	1.10	1.09	8.50	6.95	8.81	8.15	7.33	DRY	DRY	DRY	DRY	NORM
2007	0.80	1.12	1.98	1.00	1.60	2.56	1.00	8.98	8.08	8.78	11.88	9.72	DRY	DRY	DRY	NORM	NORM
2008	0.99	1.81	5.53	2.52	2.97	1.92	1.97	21.20	20.43	19.48	14.22	12.72	WET	NORM	NORM	NORM	NORM
2009	1.43	3.28	1.65	3.73	2.15	2.56	0.83	12.94	17.77	15.56	15.71	9.76	NORM	NORM	NORM	NORM	NORM
2010	0.59	4.57	5.78	6.00	2.56	2.93	1.45	27.07	34.13	25.46	19.91	12.77	WET	WET	WET	WET	NORM
2011	0.99	1.41	5.33	2.04	1.26	2.81	1.17	19.80	18.19	13.19	12.99	10.39	WET	NORM	NORM	NORM	NORM
2012	0.07	1.56	2.84	2.34	2.21	0.13	0.06	11.71	14.26	14.15	7.15	2.65	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.48	0.93	1.14
April	1.03	1.93	2.36
May	2.30	3.35	3.99
June	2.05	3.15	3.79
July	1.64	2.76	3.34
August	1.10	1.90	2.31
Sept.	0.66	1.50	1.83
Jun-MAM	9.44	14.84	17.83
Jul-JMA	11.78	18.08	21.71
Aug-JJM	11.32	17.93	21.59
Sep-AJJ	8.63	14.37	17.40
Oct-SAJ	5.82	11.06	13.45

Normals are for 1971-2000 data

March	0.93
April	1.93
May	3.35
June	3.15
July	2.76
August	1.90
Sept.	1.50

Note:

District average was used for Sept. 1996.

Oral NWS Station (SD6304) was used for May-Sept. 2000; March and May-Sept. 2001; March and May-Sept. 2002; March-July and Sept. 2003; March, April, August, and Sept. 2004; March, May, and June 2005; and March-April 2006; June-September 2006; and March-Sept. 2007-2012.

Hot Springs NWS Station (SD4007) was used for April 2001, April 2002, August 2003, and May 2006.

Rainfall Data
Camp Crook
Station #SD1294
Harding County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.38	0.34	1.52	1.14	0.18	2.81	0.07	5.62	6.80	4.34	9.93	6.01	DRY	DRY	DRY	NORM	NORM
1981	0.00	0.35	1.50	2.44	2.52	1.96	0.71	5.20	10.67	13.94	13.36	8.57	DRY	NORM	NORM	WET	NORM
1982	1.95	0.82	6.93	2.79	2.16	1.94	1.06	24.38	23.05	18.99	12.93	9.22	WET	WET	WET	WET	NORM
1983	0.93	0.25	1.40	1.20	2.54	1.82	0.42	5.63	6.65	11.42	11.74	7.44	DRY	DRY	NORM	NORM	NORM
1984	0.40	2.86	1.24	3.79	0.27	1.07	1.86	9.84	16.71	9.63	7.54	7.99	NORM	NORM	NORM	NORM	NORM
1985	1.05	0.55	1.29	1.48	0.63	0.58	1.36	6.02	7.57	6.14	4.48	5.87	DRY	DRY	DRY	DRY	NORM
1986	0.37	2.63	2.73	2.44	1.31	0.70	4.44	13.82	15.41	11.54	7.16	16.03	NORM	NORM	NORM	NORM	WET
1987	0.91	0.02	3.40	1.57	2.90	2.13	1.07	11.15	11.53	15.24	13.76	10.37	NORM	NORM	NORM	WET	WET
1988	0.19	0.59	1.92	1.84	0.27	0.58	1.11	7.13	9.95	6.41	4.12	4.76	NORM	NORM	DRY	DRY	NORM
1989	1.48	2.46	1.00	2.11	6.02	1.05	1.41	9.40	10.79	23.28	17.30	12.35	NORM	NORM	WET	WET	WET
1990	0.22	1.72	0.38	2.65	1.58	0.70	0.12	4.80	10.43	10.42	7.91	3.34	DRY	NORM	NORM	NORM	DRY
1991	0.33	3.73	3.72	2.05	0.34	1.33	0.87	18.95	17.32	8.84	6.72	5.61	WET	NORM	NORM	NORM	NORM
1992	0.31	1.29	1.41	2.52	3.37	0.61	1.04	7.12	11.67	16.56	11.09	7.71	NORM	NORM	NORM	NORM	NORM
1993	0.21	2.31	1.95	5.21	5.54	0.57	0.03	10.68	21.84	28.99	18.00	6.77	NORM	WET	WET	WET	NORM
1994	0.25	1.25	0.25	1.97	4.68	0.34	1.02	3.50	7.66	18.23	12.35	8.42	DRY	DRY	WET	WET	NORM
1995	0.38	2.61	5.63	2.14	3.00	1.47	0.93	22.49	20.29	18.91	12.55	8.73	WET	WET	WET	WET	NORM
1996	1.01	0.86	6.28	2.04	0.48	0.62	1.27	21.57	19.54	11.80	4.86	5.53	WET	WET	NORM	DRY	NORM
1997	0.11	1.19	1.77	3.17	2.03	1.63	0.65	7.80	14.24	14.20	12.12	7.24	NORM	NORM	NORM	NORM	NORM
1998	1.62	0.25	1.63	3.16	2.38	2.35	1.99	7.01	12.99	15.09	14.97	13.05	NORM	NORM	NORM	WET	WET
1999	0.35	1.75	3.42	5.01	1.04	1.93	1.06	14.11	23.62	16.56	12.88	8.08	NORM	WET	NORM	WET	NORM
2000	0.60	1.04	3.37	1.62	2.41	0.78	0.42	12.79	12.64	13.84	8.78	5.23	NORM	NORM	NORM	NORM	NORM
2001	0.66	1.37	0.88	4.98	3.70	0.29	0.50	6.04	18.07	21.94	13.25	5.78	DRY	WET	WET	WET	NORM
2002	0.33	0.79	0.62	3.13	1.54	0.81	0.66	3.77	11.42	11.50	8.64	5.14	DRY	NORM	NORM	NORM	NORM
2003	2.31	1.22	1.75	1.98	0.21	0.56	3.63	10.00	10.66	6.34	4.08	12.22	NORM	NORM	DRY	DRY	WET
2004	0.73	0.49	2.08	0.70	1.31	4.11	1.31	7.95	6.75	7.41	15.65	13.46	NORM	DRY	DRY	WET	WET
2005	0.28	1.02	2.98	1.93	0.7	3.26	0.94	11.26	12.77	8.94	13.11	10.04	NORM	NORM	NORM	WET	WET
2006	0.14	3.11	1.31	1.57	0.37	1.56	2.19	10.29	10.44	5.56	6.99	10.06	NORM	NORM	DRY	NORM	WET
2007	1.51	1.04	3.83	3.61	1.84	1.08	0.66	15.08	19.53	16.57	10.53	5.98	WET	WET	NORM	NORM	NORM
2008	0.33	1.70	6.72	6.18	2.68	1.67	0.89	23.89	33.68	27.12	16.55	8.69	WET	WET	WET	WET	NORM
2009	2.11	0.95	1.00	3.01	1.44	0.79	0.46	7.01	11.98	11.34	8.26	4.40	NORM	NORM	NORM	NORM	NORM
2010	0.30	1.64	3.82	3.90	4.85	1.99	2.04	15.04	20.98	26.17	19.57	14.95	WET	WET	WET	WET	WET
2011	0.19	1.67	7.26	2.28	1.86	2.31	0.17	25.31	23.03	17.40	12.93	6.99	WET	WET	WET	WET	NORM
2012	0.01	1.34	1.75	1.01	5.05	0.62	0.00	7.94	7.87	18.92	12.97	6.29	NORM	DRY	WET	WET	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.31	0.62	0.76
April	0.63	1.43	1.74
May	1.50	2.75	3.35
June	1.87	2.58	3.04
July	0.93	2.05	2.50
August	0.78	1.19	1.43
Sept.	0.43	1.11	1.34
Jun-MAM	6.07	11.73	14.29
Jul-JMA	9.24	14.67	17.56
Aug-JJM	8.03	14.06	16.93
Sep-AJJ	6.07	10.25	12.33
Oct-SAJ	3.78	7.76	9.38

Normals are for 1971-2000 data

March	0.62
April	1.43
May	2.75
June	2.58
July	2.05
August	1.19
Sept.	1.11

NOTE:

Harding 3 SE NWS Station (SD3560) was used for Aug. 1980; June and July 1984; May 1985; and March, April, and June 2008.

Redig 11 NE NWS Station (SD7062) was used for Aug. 2002.

Rainfall Data
Canton
Station #SD1392
Lincoln County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.37	0.92	1.41	2.08	1.74	4.82	1.11	6.44	9.98	10.79	20.02	14.71	DRY	DRY	DRY	NORM	NORM
1981	1.70	0.41	1.43	4.09	3.99	2.91	1.00	6.81	15.54	21.58	20.80	12.81	DRY	NORM	NORM	NORM	NORM
1982	0.73	1.26	5.03	1.87	3.34	5.79	2.72	18.34	16.93	18.79	25.92	23.08	NORM	NORM	NORM	WET	WET
1983	3.25	2.39	3.07	10.44	3.85	0.80	0.82	17.24	39.85	35.50	20.54	7.91	NORM	WET	WET	NORM	DRY
1984	1.51	6.00	3.57	7.51	1.58	0.64	0.98	24.22	35.67	23.33	12.59	5.80	WET	WET	NORM	NORM	DRY
1985	1.82	5.25	3.82	2.97	0.87	5.77	4.80	23.78	21.80	12.37	22.02	26.81	WET	NORM	DRY	NORM	WET
1986	1.90	5.49	2.91	3.84	2.13	2.33	6.13	21.61	22.83	16.98	15.09	25.18	WET	NORM	NORM	NORM	WET
1987	3.10	0.48	2.26	2.35	2.86	1.62	2.55	10.84	12.05	15.54	12.93	13.75	NORM	DRY	NORM	NORM	NORM
1988	0.69	3.24	2.42	1.12	0.75	3.98	3.83	14.43	11.44	6.91	14.56	20.20	NORM	DRY	DRY	NORM	WET
1989	0.88	1.59	0.85	2.48	4.78	3.47	2.20	6.61	10.73	20.15	22.45	18.32	DRY	DRY	NORM	NORM	NORM
1990	1.38	1.29	3.81	4.60	2.25	4.62	2.01	15.39	22.71	19.76	22.96	17.52	NORM	NORM	NORM	NORM	NORM
1991	0.92	2.42	4.16	3.60	3.64	1.28	1.99	18.24	21.54	22.28	14.72	12.17	NORM	NORM	NORM	NORM	NORM
1992	1.55	2.10	2.43	2.76	7.85	4.22	3.75	13.04	15.24	31.50	31.12	27.54	NORM	NORM	WET	WET	WET
1993	2.02	1.63	8.84	8.32	7.78	3.47	1.93	31.80	44.27	48.82	34.29	20.51	WET	WET	WET	WET	WET
1994	0.02	2.58	1.43	3.65	1.98	2.04	2.30	9.47	16.39	14.67	13.73	12.96	DRY	NORM	NORM	NORM	NORM
1995	3.26	3.99	4.88	1.53	2.74	4.73	2.33	25.88	18.34	16.16	21.20	19.19	WET	NORM	NORM	NORM	NORM
1996	1.38	0.71	3.59	3.51	1.61	3.01	2.76	13.57	18.42	15.44	15.76	15.91	NORM	NORM	NORM	NORM	NORM
1997	0.11	2.80	3.61	4.07	3.09	1.96	2.06	16.54	22.23	21.02	16.13	13.19	NORM	NORM	NORM	NORM	NORM
1998	3.28	3.82	1.59	4.25	3.10	3.66	0.06	15.69	19.75	19.39	21.43	10.60	NORM	NORM	NORM	NORM	NORM
1999	0.90	3.60	2.82	3.16	3.73	1.03	0.49	16.56	18.72	20.33	13.71	7.26	NORM	NORM	NORM	NORM	DRY
2000	0.41	1.98	3.75	2.27	2.68	1.94	1.10	15.62	16.29	16.33	13.45	9.86	NORM	NORM	NORM	NORM	NORM
2001	0.44	5.76	1.77	2.80	4.71	0.60	2.31	17.27	17.70	21.50	14.02	12.84	NORM	NORM	NORM	NORM	NORM
2002	0.86	2.05	2.84	1.45	4.75	5.54	2.06	13.48	12.08	19.99	27.57	22.01	NORM	DRY	NORM	WET	WET
2003	1.02	2.27	2.78	4.13	4.29	1.14	5.72	13.90	20.22	23.91	16.13	23.73	NORM	NORM	NORM	NORM	WET
2004	2.01	0.98	4.17	1.89	0.79	3.46	4.88	16.48	14.99	10.32	13.85	22.35	NORM	NORM	DRY	NORM	WET
2005	1.05	2.68	5.56	6.14	0.8	1.17	3.42	23.09	32.22	20.24	11.25	13.40	WET	WET	NORM	DRY	NORM
2006	2.65	3.54	0.94	3.36	0.38	2.75	6.97	12.55	15.50	8.80	12.37	26.79	NORM	NORM	DRY	NORM	WET
2007	2.26	3.45	3.07	1.35	0.01	7.99	1.99	18.37	13.64	5.80	25.34	21.96	NORM	NORM	DRY	WET	WET
2008	1.21	2.17	5.16	6.52	4.65	0.68	2.16	21.03	32.05	32.15	17.86	12.49	WET	WET	WET	NORM	NORM
2009	1.25	1.44	0.80	5.48	7.16	3.24	2.09	6.53	19.48	33.24	29.52	19.91	DRY	NORM	WET	WET	WET
2010	1.18	3.19	2.14	6.67	9.98	3.43	6.30	13.98	27.48	45.42	36.92	35.74	NORM	WET	WET	WET	WET
2011	0.84	3.80	5.17	5.09	1.49	1.24	0.34	23.95	29.41	19.82	11.79	4.99	WET	WET	NORM	DRY	DRY
2012	0.84	2.57	6.88	0.68	0.67	1.72	0.82	26.62	18.37	10.25	7.18	6.57	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.7	1.53	1.87
April	1.47	2.45	2.97
May	2.12	3.06	3.64
June	2.34	3.68	4.44
July	1.97	3.18	3.85
August	2.00	3.19	3.91
Sept.	1.08	2.14	2.64
Jun-MAM	10.00	15.61	18.73
Jul-JMA	12.73	19.61	23.57
Aug-JJM	12.71	19.96	24.07
Sep-AJJ	12.28	19.61	23.87
Oct-SAJ	9.21	15.98	19.59

Normals are for 1971-2000 data

March	1.53
April	2.45
May	3.06
June	3.68
July	3.18
August	3.19
Sept.	2.14

NOTE:

Beresford NWS Station (SD0669) was used for March-Sept 2003; March-Sept 2004; March-Sept. 2005; March-Sept. 2006; and April-March 2009.

Rock Valley NWS Station (IA7152) was used for July 2010; April and July 2011.

Rainfall Data
Castlewood
Station #SD1519
Hamlin County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.79	0.25	1.44	11.71	2.95	2.94	0.79	5.61	38.26	33.71	26.43	11.20	DRY	WET	WET	WET	NORM
1981	1.24	1.50	0.84	3.17	6.93	1.61	0.76	6.76	12.69	27.97	21.86	12.43	DRY	NORM	WET	NORM	NORM
1982	0.62	0.71	6.53	4.52	3.44	3.23	2.54	21.63	27.33	25.89	21.09	17.52	WET	WET	NORM	NORM	NORM
1983	2.90	0.91	1.92	2.72	1.40	2.08	3.94	10.48	12.91	11.56	11.76	17.38	NORM	NORM	DRY	DRY	NORM
1984	1.62	2.99	3.76	8.25	1.56	1.80	2.40	18.88	35.26	24.94	16.77	12.36	WET	WET	NORM	NORM	NORM
1985	2.15	2.40	1.99	3.60	2.95	3.62	8.03	12.92	17.18	18.04	20.36	34.28	NORM	NORM	NORM	NORM	WET
1986	0.65	6.42	3.68	2.82	5.24	2.35	4.36	24.53	22.24	25.04	20.35	23.02	WET	NORM	NORM	NORM	WET
1987	2.58	0.56	0.95	1.14	7.42	1.96	3.21	6.55	5.88	25.49	21.86	20.97	DRY	DRY	NORM	NORM	WET
1988	0.93	1.10	1.93	0.49	1.97	5.68	2.11	8.92	6.43	8.82	21.47	19.66	NORM	DRY	DRY	NORM	WET
1989	2.28	1.27	0.65	1.57	2.66	2.98	3.19	6.77	7.28	11.77	15.83	18.19	DRY	DRY	DRY	NORM	NORM
1990	1.59	0.94	3.66	8.82	3.71	2.71	0.74	14.45	34.72	32.43	24.37	11.35	NORM	WET	WET	WET	NORM
1991	0.74	3.98	6.28	5.62	1.47	2.33	3.22	27.54	33.40	21.93	15.55	15.79	WET	WET	NORM	NORM	NORM
1992	1.07	1.33	0.51	9.07	4.68	3.20	1.59	5.26	29.56	32.69	28.03	15.85	DRY	WET	WET	WET	NORM
1993	0.80	2.22	3.31	7.65	5.25	1.69	2.44	15.17	31.79	34.36	23.22	15.95	NORM	WET	WET	NORM	NORM
1994	0.29	2.18	1.80	5.01	2.69	3.94	2.42	10.05	20.81	19.89	22.21	17.83	NORM	NORM	NORM	NORM	NORM
1995	2.71	2.97	4.09	2.14	4.53	2.29	3.07	20.92	17.57	21.96	18.07	18.32	WET	NORM	NORM	NORM	NORM
1996	0.35	0.15	4.72	2.85	0.63	2.93	2.80	14.81	18.14	12.31	12.90	14.89	NORM	NORM	NORM	NORM	NORM
1997	0.88	3.00	0.73	2.42	8.24	1.66	2.71	9.07	11.72	30.29	23.88	19.69	NORM	NORM	WET	WET	WET
1998	0.67	1.81	2.67	2.49	4.50	6.26	0.46	12.30	14.62	21.15	30.27	18.40	NORM	NORM	NORM	WET	NORM
1999	0.62	2.32	4.15	8.44	5.14	2.72	1.92	17.71	35.94	36.45	26.88	16.34	WET	WET	WET	WET	NORM
2000	0.66	1.15	4.21	2.59	3.91	1.38	0.74	15.59	17.34	21.12	14.55	8.89	NORM	NORM	NORM	NORM	DRY
2001	2.75	7.48	3.12	6.22	5.85	1.10	3.00	27.07	32.38	33.11	21.22	17.05	WET	WET	WET	NORM	NORM
2002	0.00	0.85	2.22	2.84	2.48	4.92	1.78	8.36	13.81	15.34	22.56	17.66	NORM	NORM	NORM	NORM	NORM
2003	0.39	0.78	1.72	3.15	1.92	2.33	1.88	7.11	13.67	13.78	13.98	12.22	DRY	NORM	NORM	NORM	NORM
2004	0.87	1.78	4.00	2.56	1.99	2.19	8.81	16.43	17.46	15.09	13.11	32.80	NORM	NORM	NORM	NORM	WET
2005	0.08	1.1	4	3.18	1.74	4.56	7.34	14.28	18.64	15.58	20.34	32.88	NORM	NORM	NORM	NORM	WET
2006	0.73	1.81	1.57	2.09	1.18	4.41	3.58	9.06	11.22	9.29	17.68	20.74	NORM	NORM	DRY	NORM	WET
2007	4.62	6.09	3.92	3.21	0.48	5.25	3.90	28.56	23.56	11.78	19.92	22.68	WET	NORM	DRY	NORM	WET
2008	1.18	3.33	6.83	3.83	2.28	1.97	2.55	28.33	28.48	21.33	14.30	13.87	WET	WET	NORM	NORM	NORM
2009	5.02	1.61	1.47	3.03	5.27	4.63	1.26	12.65	13.64	23.34	27.46	18.31	NORM	NORM	NORM	WET	NORM
2010	0.21	1.02	2.51	6.08	4.67	2.14	7.35	9.78	24.28	28.68	21.84	31.00	NORM	NORM	WET	NORM	WET
2011	1.30	0.96	5.03	3.15	2.74	0.32	0.39	18.31	20.47	19.55	9.59	4.55	WET	NORM	NORM	DRY	DRY
2012	0.85	2.69	3.08	5.06	0.55	1.92	0.29	15.47	24.03	14.85	11.92	5.26	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.72	1.33	1.63
April	1.09	1.99	2.42
May	1.56	2.95	3.60
June	2.33	4.15	5.05
July	1.96	3.41	4.15
August	2.02	2.87	3.40
Sept.	1.26	2.31	2.82
Jun-MAM	7.58	14.16	17.27
Jul-JMA	11.20	20.34	24.77
Aug-JJM	12.10	21.48	26.15
Sep-AJJ	12.31	19.58	23.55
Oct-SAJ	9.78	16.08	19.41

Normals are for 1971-2000 data

March	1.33
April	1.99
May	2.95
June	4.15
July	3.41
August	2.87
Sept.	2.31

NOTE:

Bryant 1 NE NWS Station (SD1102) was used for August 2001.

Watertown RGNL AP NWS Station (SD946) was used for 2012.

Rainfall Data
Cedar Butte 1 NE
Station #SD1539
Mellette County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.06	0.61	0.69	2.51	1.03	2.35	0.75	4.35	9.52	8.80	11.62	7.98	DRY	DRY	DRY	NORM	NORM
1981	0.82	0.35	3.05	2.55	5.24	1.94	0.05	10.67	14.10	23.87	18.85	9.27	NORM	NORM	WET	WET	NORM
1982	1.54	1.10	6.71	4.15	2.72	1.16	1.92	23.87	26.97	23.17	13.07	10.80	WET	WET	WET	NORM	NORM
1983	1.71	2.39	4.68	3.15	2.13	1.29	0.34	20.53	21.20	17.37	11.28	5.73	WET	NORM	NORM	NORM	DRY
1984	1.22	2.44	1.78	3.35	4.74	1.56	1.26	11.44	16.05	22.70	17.51	11.64	NORM	NORM	WET	NORM	NORM
1985	0.49	1.05	0.70	1.98	1.57	2.43	1.99	4.69	8.39	9.37	12.41	12.40	DRY	DRY	DRY	NORM	NORM
1986	2.88	5.41	1.14	6.06	0.84	1.61	2.69	17.12	25.87	15.78	12.57	12.13	NORM	WET	NORM	NORM	NORM
1987	3.30	0.32	4.11	1.10	3.25	2.01	1.24	16.27	11.84	16.06	13.63	10.99	NORM	NORM	NORM	NORM	NORM
1988	1.15	1.01	4.99	5.29	0.86	0.22	1.60	18.14	26.86	18.15	7.67	6.10	NORM	WET	NORM	DRY	NORM
1989	1.12	1.17	1.15	0.66	5.66	1.65	2.85	6.91	5.45	19.45	16.93	17.51	DRY	DRY	NORM	NORM	WET
1990	1.31	1.16	5.81	6.34	2.50	0.54	0.58	21.06	31.80	25.99	12.96	5.32	WET	WET	WET	NORM	DRY
1991	0.57	2.84	5.87	6.97	0.57	2.13	0.73	23.86	35.49	21.52	14.50	7.02	WET	WET	NORM	NORM	NORM
1992	1.91	0.51	1.35	1.52	4.88	2.28	1.34	6.98	7.77	19.03	18.12	13.46	DRY	DRY	NORM	WET	WET
1993	0.44	3.92	1.86	6.45	3.89	1.77	2.71	13.86	26.99	26.43	19.54	15.56	NORM	WET	WET	WET	WET
1994	0.07	1.54	2.39	6.99	2.23	4.69	0.90	10.32	27.29	23.06	25.52	14.31	NORM	WET	WET	WET	WET
1995	1.11	3.03	4.91	4.97	1.83	0.92	1.12	21.90	27.76	20.34	11.39	7.03	WET	WET	NORM	NORM	NORM
1996	2.12	0.71	5.79	1.81	2.00	0.59	3.36	20.91	17.72	15.41	7.58	13.26	WET	NORM	NORM	DRY	WET
1997	0.00	3.57	3.31	5.17	5.44	2.12	0.54	17.07	25.70	29.97	22.41	11.30	NORM	WET	WET	WET	NORM
1998	0.48	1.12	3.01	5.77	6.30	0.45	0.93	11.75	24.45	33.45	19.72	9.99	NORM	WET	WET	WET	NORM
1999	0.57	3.71	3.32	3.38	2.44	3.34	3.08	17.95	20.49	17.40	18.28	18.36	NORM	NORM	NORM	WET	WET
2000	1.53	3.39	1.67	1.66	1.68	1.23	0.56	13.32	11.71	10.03	8.71	5.82	NORM	NORM	DRY	DRY	DRY
2001	0.19	4.53	3.99	2.59	4.01	0.30	2.01	21.22	20.28	21.20	11.51	10.64	WET	NORM	NORM	NORM	NORM
2002	1.49	0.77	1.98	0.72	0.34	3.01	3.05	8.97	6.89	4.44	10.43	15.51	NORM	DRY	DRY	NORM	WET
2003	1.15	2.31	2.33	3.28	3.73	0.26	0.71	12.76	16.81	20.08	11.52	6.38	NORM	NORM	NORM	NORM	NORM
2004	3.63	0.49	3.37	2.00	2.79	1.52	2.87	14.72	13.23	15.74	12.14	14.44	NORM	NORM	NORM	NORM	WET
2005	0.97	4.43	3.78	4.1	2.83	1.28	0.65	21.17	24.29	20.47	13.60	7.34	WET	WET	NORM	NORM	NORM
2006	2.95	2.06	0.58	1.64	0.14	2.94	4.69	8.81	8.14	4.28	10.74	20.09	NORM	DRY	DRY	NORM	WET
2007	2.44	1.96	3.97	3.23	0.28	4.27	0.99	18.27	19.59	11.27	16.60	11.79	NORM	NORM	DRY	NORM	NORM
2008	0.51	1.32	4.85	4.45	2.18	0.40	1.94	17.70	24.37	20.29	10.01	8.80	NORM	WET	NORM	NORM	NORM
2009	1.47	2.40	0.90	2.83	4.93	1.89	0.31	8.97	12.69	21.35	18.36	9.64	NORM	NORM	NORM	WET	NORM
2010	2.35	2.80	2.79	4.82	2.97	1.10	1.57	16.32	22.84	21.34	14.06	9.88	NORM	NORM	NORM	NORM	NORM
2011	0.68	1.97	4.75	6.02	2.36	2.53	1.34	18.87	29.53	23.87	18.33	11.44	WET	WET	WET	WET	NORM
2012	0.05	3.52	3.25	2.84	1.03	0.96	0.59	16.84	18.54	12.02	7.78	4.72	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.59	1.30	1.60
April	1.12	2.12	2.59
May	1.99	3.22	3.89
June	1.95	3.47	4.22
July	1.80	2.86	3.45
August	1.08	1.78	2.15
Sept.	0.63	1.40	1.71
Jun-MAM	8.80	15.20	18.45
Jul-JMA	10.95	18.97	23.03
Aug-JJM	11.29	18.74	22.68
Sep-AJJ	8.79	14.53	17.57
Oct-SAJ	5.85	10.62	12.88

Normals are for 1971-2000 data

March	1.30
April	2.12
May	3.22
June	3.47
July	2.86
August	1.78
Sept.	1.40

NOTE:
District average was used for March-June 1998.
Wood NWS Station (SD9442) was used for March 2002; March and Sept 2004; April 2006; and Sept. 2007.

Rainfall Data
Centerville 6 SE
Station #SD1579
Clay County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.30	0.98	2.17	2.12	1.25	6.49	1.09	8.77	11.68	10.16	24.09	17.50	DRY	DRY	DRY	WET	NORM
1981	1.71	0.41	1.66	5.09	5.76	3.77	1.26	7.51	19.00	29.12	27.92	17.08	DRY	NORM	WET	WET	NORM
1982	0.71	1.16	9.34	1.69	3.01	2.66	1.27	31.05	24.91	21.75	15.69	12.14	WET	NORM	NORM	NORM	NORM
1983	2.80	2.00	3.16	11.02	2.95	1.06	2.16	16.28	41.38	34.05	20.10	11.55	NORM	WET	WET	NORM	NORM
1984	1.67	6.43	4.06	7.94	2.06	1.15	1.34	26.71	38.37	26.12	15.51	8.38	WET	WET	WET	NORM	DRY
1985	1.85	4.93	5.53	4.42	0.54	5.05	3.22	28.30	29.25	15.99	20.65	20.30	WET	WET	NORM	NORM	WET
1986	1.89	5.17	4.44	3.38	2.31	2.68	5.26	25.55	24.19	18.13	16.04	23.45	WET	NORM	NORM	NORM	WET
1987	4.15	0.50	3.15	3.58	4.75	1.42	2.67	14.60	17.54	24.56	17.34	15.60	NORM	NORM	NORM	NORM	NORM
1988	0.52	2.65	2.04	1.45	0.83	5.24	4.15	11.94	11.08	7.43	18.83	23.76	NORM	DRY	DRY	NORM	WET
1989	1.15	1.66	1.19	3.20	3.79	1.97	1.61	8.04	13.64	18.96	16.69	12.56	DRY	DRY	NORM	NORM	NORM
1990	1.80	1.90	5.83	5.05	2.87	1.79	1.10	23.09	28.71	24.54	16.16	9.75	WET	WET	NORM	NORM	NORM
1991	1.00	2.73	5.43	3.49	4.07	1.68	1.36	22.75	24.06	24.62	16.67	11.51	WET	NORM	NORM	NORM	NORM
1992	2.25	1.92	2.32	1.89	6.74	4.69	4.17	13.05	12.23	26.32	29.44	28.63	NORM	DRY	WET	WET	WET
1993	1.16	2.51	5.38	5.67	7.12	4.40	1.76	22.32	30.28	38.08	33.11	21.20	WET	WET	WET	WET	WET
1994	0.00	2.47	1.51	4.39	3.39	1.41	2.30	9.47	18.66	20.46	15.40	13.11	DRY	NORM	NORM	NORM	NORM
1995	4.19	4.45	5.23	1.77	3.80	3.22	2.39	28.78	20.22	20.17	19.03	17.41	WET	NORM	NORM	NORM	NORM
1996	0.78	0.49	4.95	3.89	3.87	2.93	5.36	16.61	22.06	24.34	20.42	25.81	NORM	NORM	NORM	NORM	WET
1997	0.37	2.21	3.51	3.60	1.27	2.08	3.47	15.32	20.03	14.52	12.38	15.84	NORM	NORM	NORM	NORM	NORM
1998	3.72	5.23	1.98	5.51	2.78	3.16	0.28	20.12	25.72	21.34	20.55	9.94	NORM	NORM	NORM	NORM	NORM
1999	0.63	4.56	4.00	6.48	3.46	0.58	0.25	21.75	32.00	27.34	15.14	5.37	WET	WET	WET	NORM	DRY
2000	1.29	1.33	2.35	3.68	3.13	2.94	0.54	11.00	17.07	19.10	18.76	10.63	DRY	NORM	NORM	NORM	NORM
2001	0.37	5.16	3.11	1.49	4.51	1.28	3.22	20.02	15.85	19.62	14.35	16.73	NORM	NORM	NORM	NORM	NORM
2002	0.68	2.16	2.51	2.04	2.68	6.25	1.12	12.53	13.30	14.63	26.15	18.54	NORM	DRY	NORM	WET	NORM
2003	1.00	2.88	3.21	5.03	5.04	1.37	5.92	16.39	24.39	28.39	19.22	25.54	NORM	NORM	WET	NORM	WET
2004	2.39	1.32	4.99	2.26	0.99	4.12	5.95	20.00	18.08	12.48	16.60	27.08	NORM	NORM	DRY	NORM	WET
2005	1.32	2.63	3.86	8.67	0.89	1.25	3.79	18.16	36.36	23.87	14.20	14.76	NORM	WET	NORM	NORM	NORM
2006	1.81	3.44	1.51	3.72	0.39	3.23	7.84	13.22	17.62	10.12	14.19	30.37	NORM	NORM	DRY	NORM	WET
2007	1.89	3.04	3.49	2.16	0.00	4.95	1.96	18.44	16.50	7.81	17.01	15.78	NORM	NORM	DRY	NORM	NORM
2008	1.14	2.84	6.30	5.08	2.35	2.33	2.70	25.72	30.68	23.51	16.77	15.11	WET	WET	NORM	NORM	NORM
2009	1.57	1.67	1.03	5.55	4.84	3.04	2.52	8.00	20.38	26.65	24.35	18.48	DRY	NORM	WET	WET	NORM
2010	1.46	1.91	2.15	7.27	8.04	3.62	6.93	11.73	28.02	40.81	34.21	36.07	NORM	WET	WET	WET	WET
2011	0.92	3.51	5.17	4.38	1.06	3.43	0.74	23.45	26.99	17.11	16.79	10.14	WET	WET	NORM	NORM	NORM
2012	0.55	2.27	4.07	0.83	0.32	1.15	0.59	17.30	12.90	6.69	4.92	4.39	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.86	1.64	2.02
April	1.43	2.47	3.01
May	2.50	3.65	4.35
June	2.65	3.95	4.72
July	1.89	3.35	4.08
August	1.72	2.83	3.43
Sept.	1.26	2.26	2.75
Jun-MAM	11.22	17.53	21.09
Jul-JMA	14.38	21.62	25.87
Aug-JJM	13.47	21.60	26.03
Sep-AJJ	11.59	19.14	23.17
Oct-SAJ	9.11	15.79	19.19

Normals are for 1971-2000 data

March	1.64
April	2.47
May	3.65
June	3.95
July	3.35
August	2.83
Sept.	2.26

Rainfall Data
Chamberlain 5 S
Station #SD1621
Brule County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.58	0.95	2.46	2.95	0.82	3.99	1.12	9.86	14.72	10.82	16.56	12.16	DRY	NORM	DRY	NORM	NORM
2	1981	2.81	0.64	1.79	1.58	3.32	3.08	0.26	9.46	8.96	14.91	17.46	10.26	DRY	DRY	NORM	NORM	NORM
3	1982	1.34	0.96	6.76	2.38	3.55	2.66	2.43	23.54	21.62	22.17	17.46	16.16	WET	NORM	NORM	NORM	NORM
4	1983	1.99	1.78	3.32	3.95	6.85	1.90	2.30	15.51	20.27	31.77	23.35	17.55	NORM	NORM	WET	WET	WET
5	1984	1.42	4.49	3.02	6.78	2.17	3.23	1.12	19.46	30.87	23.09	20.81	11.99	NORM	WET	WET	WET	NORM
6	1985	2.28	2.55	2.74	3.22	2.04	2.79	3.24	15.60	17.69	15.30	15.67	17.34	NORM	NORM	NORM	NORM	WET
7	1986	1.18	3.47	2.89	2.02	2.08	1.78	3.11	16.79	15.31	13.17	11.52	14.97	NORM	NORM	NORM	NORM	NORM
8	1987	4.95	1.23	1.96	3.51	3.73	3.52	1.15	13.29	15.68	20.17	21.53	14.22	NORM	NORM	NORM	WET	NORM
9	1988	0.75	2.70	7.06	1.72	2.16	0.98	3.38	27.33	21.98	16.98	8.98	14.26	WET	NORM	NORM	DRY	NORM
10	1989	1.71	1.61	1.57	2.57	3.31	2.40	1.61	9.64	12.46	16.64	16.39	12.94	DRY	DRY	NORM	NORM	NORM
11	1990	1.46	1.49	6.61	2.87	2.61	3.36	0.67	24.27	23.32	20.18	18.17	11.34	WET	NORM	NORM	NORM	NORM
12	1991	1.08	3.18	4.97	5.13	0.48	1.72	2.03	22.35	28.51	16.67	11.25	10.01	WET	WET	NORM	NORM	NORM
13	1992	1.16	1.20	0.63	3.88	6.07	3.05	3.05	5.45	14.10	26.60	25.17	21.32	DRY	NORM	WET	WET	WET
14	1993	1.33	3.25	3.12	5.63	4.77	0.48	2.04	17.19	26.38	28.69	16.61	11.85	NORM	WET	WET	NORM	NORM
15	1994	0.13	2.74	1.34	5.66	3.55	3.08	1.18	9.63	22.40	23.31	22.00	13.25	DRY	NORM	WET	WET	NORM
16	1995	2.25	6.17	5.89	3.70	1.08	1.96	3.75	32.26	29.05	16.53	11.74	16.25	WET	WET	NORM	NORM	WET
17	1996	0.87	0.84	5.40	1.28	2.70	2.06	6.95	18.75	15.48	16.06	12.86	27.67	NORM	NORM	NORM	NORM	WET
18	1997	0.20	2.86	3.54	3.95	3.10	2.58	1.62	16.54	21.79	20.74	17.89	13.12	NORM	NORM	NORM	NORM	NORM
19	1998	1.52	2.34	1.74	5.92	3.38	1.72	0.39	11.42	23.58	23.72	17.84	7.99	NORM	NORM	WET	NORM	DRY
20	1999	0.52	3.66	7.62	4.75	1.25	3.49	2.23	30.70	33.15	20.87	17.72	14.92	WET	WET	NORM	NORM	NORM
21	2000	0.42	3.14	4.05	2.71	2.52	1.49	0.31	18.85	19.37	17.03	12.22	6.43	NORM	NORM	NORM	NORM	DRY
22	2001	0.28	7.19	3.55	2.84	2.71	0.20	3.49	25.31	22.81	17.36	8.86	13.58	WET	NORM	NORM	DRY	NORM
23	2002	1.46	1.37	1.65	2.51	0.84	5.70	1.82	9.15	12.20	9.19	21.29	17.70	DRY	DRY	DRY	WET	WET
24	2003	0.90	2.79	4.15	5.41	2.27	1.85	0.64	18.93	27.32	21.78	15.50	7.89	NORM	WET	NORM	NORM	DRY
25	2004	2.23	0.72	3.77	4.31	0.73	1.71	3.76	14.98	21.19	14.58	10.90	15.43	NORM	NORM	NORM	DRY	NORM
26	2005	1.26	2.62	3.52	8.99	0.92	0.7	2.4	17.06	36.63	24.26	12.93	9.52	NORM	WET	WET	NORM	NORM
27	2006	1.84	1.49	0.55	1.27	1.00	1.45	4.38	6.47	6.40	6.09	7.62	17.04	DRY	DRY	DRY	DRY	WET
28	2007	2.49	2.56	5.61	4.09	0.24	8.87	1.59	24.44	26.05	14.51	31.18	22.75	WET	WET	NORM	WET	WET
29	2008	0.74	2.43	3.30	6.33	3.22	1.36	1.32	15.50	28.02	25.62	16.85	9.90	NORM	WET	WET	NORM	NORM
30	2009	1.85	1.61	0.79	5.06	0.00	5.10	0.27	7.44	18.37	10.91	20.36	11.01	DRY	NORM	DRY	WET	NORM
31	2010	1.67	3.82	5.50	6.89	6.47	1.25	1.46	25.81	35.49	38.69	23.58	13.35	WET	WET	WET	WET	NORM
32	2011	0.42	2.39	4.04	6.31	2.10	3.26	0.36	17.32	29.40	22.96	20.29	9.70	NORM	WET	WET	WET	NORM
33	2012	0.89	3.08	1.37	3.48	0.68	1.31	0.09	11.16	16.26	10.37	8.77	3.57	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.71	1.45	1.77
April	1.62	2.40	2.86
May	2.36	3.62	4.35
June	2.44	3.40	4.02
July	1.93	2.92	3.50
August	1.63	2.28	2.70
Sept.	1.07	1.98	2.42
Jun-MAM	11.03	17.11	20.54
Jul-JMA	13.66	19.84	23.62
Aug-JJM	13.03	19.18	22.89
Sep-AJJ	11.19	16.08	19.12
Oct-SAJ	8.40	13.42	16.16

Normals are for 1971-2000 data

March	1.45
April	2.40
May	3.62
June	3.40
July	2.92
August	2.28
Sept.	1.98

Note: Academy 2 NE NWS Station (SD0043) was used for March - Sept. 1980, April 2008, and Sept. 2008.

Rainfall Data
Chester
Station #SD1634
Lake County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.86	0.68	1.60	4.03	2.79	5.01	1.52	7.02	15.97	18.03	24.64	17.37	DRY	NORM	NORM	WET	NORM
1981	1.72	1.32	0.89	3.86	3.51	3.75	1.35	7.03	14.68	19.14	22.13	15.06	DRY	NORM	NORM	NORM	NORM
1982	1.35	2.08	5.56	1.78	5.43	4.28	4.43	22.19	18.54	25.41	25.48	27.28	NORM	NORM	WET	WET	WET
1983	3.83	2.70	2.17	4.68	1.66	1.91	1.39	15.74	21.08	16.51	13.73	9.65	NORM	NORM	NORM	NORM	NORM
1984	1.66	5.24	3.93	8.40	2.31	0.65	1.30	23.93	38.30	27.66	14.97	7.51	WET	WET	WET	NORM	DRY
1985	3.18	4.65	3.51	1.44	1.76	2.87	4.00	23.01	15.99	11.67	13.57	19.50	WET	NORM	DRY	NORM	NORM
1986	1.73	6.30	3.65	7.07	2.37	4.67	6.40	25.28	34.81	24.90	25.82	30.91	WET	WET	NORM	WET	WET
1987	3.00	0.41	3.00	2.83	7.50	1.74	1.74	12.82	14.90	31.16	23.05	16.20	NORM	NORM	WET	WET	NORM
1988	0.61	3.40	3.46	1.82	0.79	4.92	2.94	17.79	15.78	9.47	18.16	19.45	NORM	NORM	DRY	NORM	NORM
1989	1.76	1.95	0.96	3.60	2.21	1.33	3.81	8.54	14.67	14.79	12.01	16.30	DRY	NORM	NORM	NORM	NORM
1990	1.43	2.28	4.75	8.37	3.19	2.78	0.56	20.24	36.89	31.06	23.09	10.43	NORM	WET	WET	WET	NORM
1991	0.49	2.14	3.98	4.30	1.63	2.61	4.02	16.71	23.00	17.47	15.39	18.91	NORM	NORM	NORM	NORM	NORM
1992	1.36	1.63	0.96	6.20	6.62	8.10	1.92	7.50	22.15	33.22	43.74	28.58	DRY	NORM	WET	WET	WET
1993	0.97	2.03	5.08	9.18	6.29	3.49	2.13	20.27	39.73	42.31	32.23	19.66	NORM	WET	WET	WET	NORM
1994	0.36	1.79	1.33	3.73	1.43	2.28	2.75	7.93	15.64	13.08	13.43	14.24	DRY	NORM	DRY	NORM	NORM
1995	3.11	5.01	4.40	2.06	6.18	5.01	1.87	26.33	19.99	27.06	29.45	21.81	WET	NORM	WET	WET	WET
1996	0.56	0.34	4.01	3.77	1.30	2.49	5.32	13.27	19.67	15.45	13.84	22.24	NORM	NORM	NORM	NORM	WET
1997	1.37	2.25	3.81	2.39	4.33	2.23	4.32	17.30	17.04	21.58	17.74	21.75	NORM	NORM	NORM	NORM	WET
1998	1.63	3.89	1.07	4.10	4.37	2.83	1.35	12.62	18.33	22.38	21.33	14.08	DRY	NORM	NORM	NORM	NORM
1999	1.02	5.06	3.81	5.33	3.39	3.77	1.95	22.57	28.67	24.64	23.42	16.78	WET	WET	NORM	WET	NORM
2000	0.99	2.31	6.47	3.04	2.43	2.84	1.66	25.02	24.37	19.84	16.42	13.09	WET	NORM	NORM	NORM	NORM
2001	0.89	5.70	1.89	3.35	1.89	1.96	2.75	17.96	19.53	14.26	13.01	14.06	NORM	NORM	NORM	NORM	NORM
2002	1.98	1.78	1.38	3.37	0.73	7.29	1.32	9.68	14.65	10.31	26.70	19.27	DRY	NORM	DRY	WET	NORM
2003	0.26	2.82	2.22	4.85	1.77	1.56	3.66	12.56	21.81	17.23	13.07	15.87	DRY	NORM	NORM	NORM	NORM
2004	1.57	1.30	5.16	3.05	6.13	2.76	5.64	19.65	20.77	29.65	23.59	28.57	NORM	NORM	WET	WET	WET
2005	1.04	2.04	4.19	6.81	3.02	2.73	10.03	17.69	30.85	26.87	21.04	38.57	NORM	WET	WET	NORM	WET
2006	1.85	2.87	1.36	2.09	0.61	9.33	5.82	11.67	11.86	7.37	31.30	36.73	DRY	DRY	DRY	WET	WET
2007	2.53	5.18	2.10	3.32	0.89	6.84	1.16	19.19	19.34	11.41	25.62	18.05	NORM	NORM	DRY	WET	NORM
2008	1.09	3.07	2.12	2.87	3.05	0.90	1.84	13.59	15.92	17.01	11.67	10.37	NORM	NORM	NORM	NORM	NORM
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07	10.73	21.39	26.18	21.20	12.22	DRY	NORM	WET	NORM	NORM
2010	0.97	1.99	2.10	6.64	4.43	4.30	7.99	11.25	26.11	28.67	28.40	37.00	DRY	WET	WET	WET	WET
2011	0.43	3.20	6.52	3.76	6.77	3.35	0.23	26.39	27.52	34.35	27.35	14.16	WET	WET	WET	WET	NORM
2012	0.47	2.68	8.58	1.45	0.36	2.62	1.24	31.57	24.19	12.56	10.03	9.32	WET	NORM	DRY	DRY	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	Interpolated from nearby stations.		
April	Interpolated from nearby stations.		
May	Interpolated from nearby stations.		
June	Interpolated from nearby stations.		
July	Interpolated from nearby stations.		
August	Interpolated from nearby stations.		
Sept.	Interpolated from nearby stations.		
Jun-MAM	12.7		22.3
Jul-JMA	14.3		25.1
Aug-JJM	13.1		25.1
Sep-AJJ	10.8		23.0
Oct-SAJ	9.2		19.9

Normals are for 1971-2000 data

NOTE:

Chester 2 N NWS Station (SD1636) was used for March - Sept. 2002, March - April 2003, June - Sept. 2003, March - Aug. 2004, July - Sept. 2005, March - Sept. 2007, March - April, 2008, June 2008, Aug. - Sept. 2008, and March - Sept. 2009-2010; 2012.

Wentworth 2 WNW NWS Station (SD9042) was used for March - Sept 2001, May 2003, Sept. 2004, and March - June 2005; Aug. 2011.

Colton NWS Station (SD1851) was used for May and July 2008; March-July 2011; Sept. 2011.

Rainfall Data
Clark
Station #SD1739
Clark County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.64	0.98	0.97	5.06	2.33	4.86	0.71	5.51	18.10	18.08	24.30	14.18	DRY	NORM	NORM	WET	NORM
1981	1.43	0.67	1.81	2.35	4.07	1.03	0.74	8.20	11.34	18.72	13.58	8.35	DRY	DRY	NORM	NORM	DRY
1982	1.36	0.95	4.20	1.52	5.52	2.08	2.58	15.86	13.91	23.80	18.80	17.42	NORM	NORM	NORM	NORM	NORM
1983	2.63	0.38	1.44	3.25	2.25	3.82	2.54	7.71	13.01	14.69	19.21	17.51	DRY	NORM	NORM	NORM	NORM
1984	1.74	2.57	1.68	6.24	2.01	3.72	1.28	11.92	24.65	20.19	21.42	13.29	NORM	WET	NORM	NORM	NORM
1985	1.75	1.32	2.09	2.26	6.26	4.45	4.84	10.66	12.28	25.39	28.13	29.68	NORM	NORM	WET	WET	WET
1986	0.78	6.68	2.57	3.82	2.68	3.47	5.79	21.85	23.28	18.25	19.59	26.99	WET	WET	NORM	NORM	WET
1987	2.94	0.33	2.28	0.86	3.15	3.99	1.29	10.44	7.47	13.45	19.13	15.00	NORM	DRY	NORM	NORM	NORM
1988	0.72	1.18	2.94	1.11	0.94	3.35	4.31	11.90	10.39	7.98	13.04	20.57	NORM	DRY	DRY	NORM	WET
1989	1.23	1.91	2.87	2.18	2.19	2.64	1.00	13.66	14.19	13.80	14.48	10.47	NORM	NORM	NORM	NORM	NORM
1990	1.60	1.92	2.56	5.95	2.07	1.03	0.89	13.12	24.89	20.67	13.18	6.80	NORM	WET	NORM	NORM	DRY
1991	0.32	5.06	4.92	7.54	2.23	2.80	2.24	25.20	37.52	26.69	20.40	14.55	WET	WET	WET	NORM	NORM
1992	0.92	1.46	0.49	5.54	5.43	2.57	2.14	5.31	19.06	27.86	24.11	16.99	DRY	NORM	WET	WET	NORM
1993	1.04	2.06	3.88	9.87	5.94	3.55	1.96	16.80	39.43	41.44	32.40	18.92	WET	WET	WET	WET	WET
1994	0.53	2.50	2.14	4.48	6.51	4.91	1.73	11.95	20.22	30.63	32.23	21.52	NORM	NORM	WET	WET	WET
1995	3.06	2.69	3.85	2.20	6.45	1.92	2.45	19.99	16.99	27.60	20.86	17.64	WET	NORM	WET	NORM	NORM
1996	0.40	0.24	5.00	1.54	1.33	1.69	3.78	15.88	14.86	12.07	9.27	16.05	NORM	NORM	NORM	DRY	NORM
1997	1.58	2.00	1.27	2.46	7.74	1.62	1.59	9.39	11.92	29.41	22.80	15.75	NORM	NORM	WET	WET	NORM
1998	0.60	2.60	4.66	2.97	3.43	2.66	0.05	19.78	20.83	20.89	17.81	8.90	WET	NORM	NORM	NORM	NORM
1999	0.64	1.82	4.39	6.74	1.82	4.58	2.89	17.45	30.82	23.33	24.12	19.65	WET	WET	NORM	WET	WET
2000	0.37	1.23	2.94	2.86	2.91	1.81	0.69	11.65	15.69	17.39	14.11	8.60	NORM	NORM	NORM	NORM	NORM
2001	0.44	5.78	2.39	4.66	2.68	0.58	3.78	19.17	24.54	19.75	11.76	15.18	WET	WET	NORM	NORM	NORM
2002	0.94	1.12	2.11	2.71	2.89	5.09	0.73	9.51	13.47	16.20	23.76	15.26	NORM	NORM	NORM	WET	NORM
2003	0.28	1.35	3.12	2.80	1.95	2.22	1.78	12.34	15.99	14.57	13.36	11.73	NORM	NORM	NORM	NORM	NORM
2004	2.34	1.79	4.78	3.98	3.23	1.14	5.74	20.26	23.29	22.43	13.86	22.73	WET	WET	NORM	NORM	WET
2005	0.12	0.89	2.54	5.84	2.7	2.63	3.1	9.52	23.49	22.32	19.13	17.26	NORM	WET	NORM	NORM	NORM
2006	2.45	1.41	0.61	2.06	0.69	3.69	5.83	7.10	8.81	6.80	14.51	25.56	DRY	DRY	DRY	NORM	WET
2007	2.55	2.58	9.09	3.64	0.09	4.99	2.83	34.98	31.68	16.64	18.79	18.56	WET	WET	NORM	NORM	WET
2008	1.15	1.82	1.85	4.67	4.99	1.25	3.40	10.34	19.53	26.16	18.40	17.69	NORM	NORM	WET	NORM	NORM
2009	0.90	1.13	1.66	2.97	5.87	3.29	3.20	8.14	13.36	25.21	24.58	22.05	DRY	NORM	WET	WET	WET
2010	1.20	1.98	3.15	5.31	5.10	1.84	5.79	14.61	24.21	29.07	21.03	26.15	NORM	WET	WET	NORM	WET
2011	1.26	2.28	3.43	3.39	4.79	1.49	0.76	16.11	19.31	24.58	17.44	10.05	NORM	NORM	WET	NORM	NORM
2012	0.55	3.93	2.07	1.14	0.40	1.81	0.10	14.62	11.49	5.55	7.37	4.32	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.73	1.31	1.59
April	1.13	1.98	2.41
May	1.75	2.86	3.46
June	2.33	3.75	4.53
July	1.55	3.14	3.84
August	2.04	2.90	3.43
Sept.	0.92	1.99	2.42
Jun-MAM	8.24	13.85	16.79
Jul-JMA	11.62	18.95	22.92
Aug-JJM	11.06	19.78	24.04
Sep-AJJ	11.55	18.73	22.50
Oct-SAJ	8.39	14.91	17.96

Normals are for 1971-2000 data

March	1.31
April	1.98
May	2.86
June	3.75
July	3.14
August	2.90
Sept.	1.99

NOTE:
Raymond 3 NE NWS Station (SD7007) was used for May-Sept. 2012.

Rainfall Data
Clear Lake
Station #SD1777
Deuel County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.69	0.13	2.54	7.97	2.72	4.64	0.78	8.57	29.12	26.64	27.33	14.34	DRY	WET	WET	WET	NORM
1981	1.41	1.26	1.21	4.16	2.96	1.13	0.75	7.56	16.16	18.41	13.47	7.47	DRY	NORM	NORM	NORM	DRY
1982	1.14	1.43	5.33	2.65	6.80	3.73	2.60	19.99	20.04	31.03	27.44	22.06	WET	NORM	WET	WET	WET
1983	4.09	1.46	1.63	3.23	2.48	1.64	2.62	11.90	14.41	15.53	13.11	13.62	NORM	NORM	NORM	DRY	NORM
1984	2.06	3.28	2.56	7.92	1.18	1.09	3.55	16.30	32.16	21.94	13.55	14.01	NORM	WET	NORM	NORM	NORM
1985	3.09	2.35	2.94	2.43	5.03	4.33	5.30	16.61	15.52	22.89	25.48	29.59	NORM	NORM	NORM	WET	WET
1986	1.35	5.85	4.15	3.42	5.85	2.34	4.43	25.50	24.41	28.54	22.14	23.82	WET	NORM	WET	NORM	WET
1987	2.20	0.70	1.42	1.35	4.93	1.95	2.78	7.86	7.59	18.91	17.06	17.17	DRY	DRY	NORM	NORM	NORM
1988	1.08	1.21	1.74	0.48	2.27	6.34	2.34	8.72	6.13	9.51	24.04	21.97	DRY	DRY	DRY	NORM	WET
1989	2.95	1.82	1.10	1.89	2.48	4.66	3.15	9.89	9.69	12.32	20.83	21.25	NORM	DRY	DRY	NORM	WET
1990	1.53	1.44	3.88	8.46	5.10	3.02	1.12	16.05	34.58	36.10	27.72	14.50	NORM	WET	WET	WET	NORM
1991	1.15	4.67	4.38	5.82	3.03	3.59	2.45	23.63	30.89	25.11	22.65	17.56	WET	WET	NORM	NORM	NORM
1992	1.41	2.00	1.39	16.12	4.10	2.73	2.08	9.58	53.14	45.93	32.51	15.80	NORM	WET	WET	WET	NORM
1993	1.92	2.67	4.99	8.41	5.51	2.14	2.85	22.23	37.88	38.34	25.85	18.34	WET	WET	WET	WET	NORM
1994	0.57	3.02	1.89	6.84	2.70	4.27	3.07	12.28	27.32	23.67	25.05	20.45	NORM	WET	NORM	WET	NORM
1995	3.95	5.05	4.37	1.58	5.45	1.86	4.14	27.16	18.53	23.88	18.06	21.59	WET	NORM	NORM	NORM	WET
1996	0.40	0.77	5.47	1.94	1.88	2.95	2.96	18.35	17.53	14.99	14.55	16.66	NORM	NORM	NORM	NORM	NORM
1997	1.58	2.83	1.14	1.49	7.27	4.49	1.59	10.66	9.58	25.93	29.50	21.02	NORM	DRY	NORM	WET	WET
1998	1.67	0.70	3.53	4.95	2.04	2.63	0.38	13.66	22.61	19.55	16.92	8.44	NORM	NORM	NORM	NORM	DRY
1999	0.79	2.19	4.76	6.23	3.20	1.98	6.27	19.45	30.40	26.82	18.57	25.97	WET	WET	WET	NORM	WET
2000	0.81	1.08	3.79	2.21	3.48	1.13	1.16	14.34	15.29	18.65	12.56	9.22	NORM	NORM	NORM	DRY	DRY
2001	0.44	6.16	0.54	6.52	4.29	1.52	2.23	14.38	26.80	26.45	19.66	14.02	NORM	WET	NORM	NORM	NORM
2002	2.21	2.38	1.85	2.21	2.00	4.34	1.11	12.52	12.71	12.27	19.23	14.01	NORM	NORM	DRY	NORM	NORM
2003	0.68	2.28	2.77	3.05	2.73	1.00	2.01	13.55	16.97	17.06	11.51	10.76	NORM	NORM	NORM	DRY	DRY
2004	0.87	1.73	4.69	3.10	2.65	5.38	8.85	18.40	20.41	18.84	24.54	39.96	NORM	NORM	NORM	NORM	WET
2005	0.39	2.29	4.74	4.52	1.83	3.33	5.07	19.19	25.33	19.27	18.17	23.70	WET	NORM	NORM	NORM	WET
2006	1.39	2.69	2.49	2.60	1.10	4.72	7.44	14.24	15.47	10.99	18.96	32.86	NORM	NORM	DRY	NORM	WET
2007	2.97	4.60	2.87	3.72	1.88	3.91	2.29	20.78	21.50	15.95	19.21	16.57	WET	NORM	NORM	NORM	NORM
2008	1.10	3.35	3.49	4.27	2.95	0.92	1.25	18.27	23.14	20.88	12.93	8.54	NORM	NORM	NORM	DRY	DRY
2009	3.74	1.14	1.10	3.92	4.94	2.57	1.97	9.32	15.10	23.76	21.51	15.99	NORM	NORM	NORM	NORM	NORM
2010	0.82	1.11	3.17	6.69	4.23	2.84	7.38	12.55	27.52	29.24	23.67	32.05	NORM	WET	WET	NORM	WET
2011	1.67	1.73	5.41	4.20	5.13	0.62	0.25	21.36	25.15	29.20	16.32	7.12	WET	NORM	WET	NORM	DRY
2012	1.27	3.82	4.89	2.55	0.55	2.72	0.40	23.58	21.25	11.64	11.81	7.19	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.92	1.79	2.19
April	1.28	2.25	2.74
May	1.89	3.12	3.78
June	2.15	4.27	5.22
July	2.37	3.46	4.12
August	2.17	3.12	3.71
Sept.	1.39	2.44	2.97
Jun-MAM	9.15	15.65	19.01
Jul-JMA	11.51	21.30	25.96
Aug-JJM	13.30	22.04	26.58
Sep-AJJ	13.40	20.55	24.59
Oct-SAJ	10.88	17.02	20.45

Normals are for 1971-2000 data

March	1.79
April	2.25
May	3.12
June	4.27
July	3.46
August	3.12
Sept.	2.44

NOTE:
Castlewood NWS Station (SD1519) was used for March and June 1999.

Rainfall Data
Colton
Station #SD1851
Minnehaha County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.67	0.66	1.64	3.80	2.27	4.59	0.60	6.91	15.34	16.05	22.11	13.25	DRY	NORM	NORM	NORM	NORM
2	1981	1.81	1.63	0.57	2.88	3.43	3.47	1.37	6.78	11.41	16.62	20.15	14.48	DRY	DRY	NORM	NORM	NORM
3	1982	1.39	1.84	6.27	1.33	6.00	6.70	4.72	23.88	18.37	26.93	33.43	33.56	WET	NORM	WET	WET	WET
4	1983	3.75	2.23	2.53	4.33	1.63	2.58	1.75	15.80	20.28	16.08	15.33	12.04	NORM	NORM	NORM	NORM	NORM
5	1984	1.42	4.97	2.94	8.36	1.44	1.30	0.80	20.18	35.93	23.98	15.14	6.44	WET	WET	NORM	NORM	DRY
6	1985	2.83	5.06	3.91	1.65	2.41	3.26	3.02	24.68	17.83	14.44	16.25	17.99	WET	NORM	NORM	NORM	NORM
7	1986	1.63	6.50	3.82	7.99	3.02	3.84	8.91	26.09	38.11	28.86	25.55	37.43	WET	WET	WET	WET	WET
8	1987	3.71	0.38	3.57	2.56	8.02	2.68	2.03	15.18	15.20	32.75	26.64	19.47	NORM	NORM	WET	WET	NORM
9	1988	0.66	3.46	3.86	1.54	3.32	4.89	3.34	19.16	15.80	16.90	22.85	23.12	WET	NORM	NORM	NORM	WET
10	1989	1.32	1.94	1.07	3.56	2.25	1.89	3.53	8.41	14.76	14.94	13.73	16.62	DRY	NORM	NORM	NORM	NORM
11	1990	1.44	2.80	4.31	6.85	3.63	3.95	0.42	19.97	31.97	28.90	25.96	12.79	WET	WET	WET	WET	NORM
12	1991	0.48	2.12	4.91	7.22	3.22	2.37	3.20	19.45	33.60	29.01	20.77	17.56	WET	WET	WET	NORM	NORM
13	1992	2.09	2.25	1.10	5.68	9.30	6.34	2.08	9.89	21.49	40.36	43.30	28.22	NORM	NORM	WET	WET	WET
14	1993	2.11	2.11	6.71	9.29	8.79	2.60	2.60	26.46	43.40	51.66	34.67	21.79	WET	WET	WET	WET	WET
15	1994	0.22	4.02	1.74	4.35	1.27	1.40	3.36	13.48	20.55	14.25	11.09	14.15	NORM	NORM	NORM	DRY	NORM
16	1995	2.85	7.19	5.87	2.15	5.20	4.16	3.69	34.84	25.38	25.77	25.03	24.59	WET	NORM	NORM	WET	WET
17	1996	0.62	0.35	5.18	2.30	1.49	3.97	3.53	16.86	17.61	14.25	17.19	20.02	NORM	NORM	NORM	NORM	NORM
18	1997	0.70	2.13	4.49	2.32	2.32	1.68	3.43	18.43	18.07	16.09	12.00	15.97	NORM	NORM	NORM	DRY	NORM
19	1998	2.33	4.01	1.25	3.42	3.79	4.90	1.81	14.10	16.77	19.46	25.70	19.02	NORM	NORM	NORM	WET	NORM
20	1999	0.92	5.53	4.21	4.24	4.67	1.41	1.39	24.61	26.67	26.70	17.81	11.66	WET	WET	WET	NORM	NORM
21	2000	1.01	3.57	7.44	3.08	2.75	5.17	2.10	30.47	27.69	21.85	24.09	19.39	WET	WET	NORM	NORM	NORM
22	2001	0.76	6.68	2.25	4.51	2.90	0.46	2.16	20.87	24.71	19.97	11.69	10.30	WET	NORM	NORM	DRY	DRY
23	2002	1.80	1.98	1.60	2.72	1.57	9.24	2.19	10.56	13.34	11.75	33.58	26.62	NORM	NORM	DRY	WET	WET
24	2003	0.29	2.86	2.89	5.35	2.53	1.51	3.74	14.68	24.69	21.18	14.94	16.77	NORM	NORM	NORM	NORM	NORM
25	2004	2.03	1.28	8.10	6.00	1.40	3.79	5.08	28.89	35.48	24.30	20.17	24.22	WET	WET	NORM	NORM	WET
26	2005	1.91	2.76	3.34	3.86	2.65	1.44	9.45	17.45	21.02	19.01	13.48	33.88	NORM	NORM	NORM	NORM	WET
27	2006	2.13	4.85	1.28	1.63	0.46	6.38	4.42	15.67	12.30	5.92	21.69	26.48	NORM	NORM	DRY	NORM	WET
28	2007	4.84	1.78	2.79	6.55	0.88	9.64	1.91	16.77	27.01	18.53	37.23	25.89	NORM	WET	NORM	WET	WET
29	2008	0.87	2.68	2.12	3.17	3.05	0.74	1.12	12.59	16.43	17.61	11.49	7.89	NORM	NORM	NORM	DRY	DRY
30	2009	0.82	2.56	1.18	6.62	3.20	2.11	0.63	9.48	24.78	24.02	19.35	9.31	NORM	NORM	NORM	NORM	DRY
31	2010	0.90	2.07	2.15	10.04	4.58	5.05	6.59	11.49	36.49	35.97	34.35	34.45	NORM	WET	WET	WET	WET
32	2011	0.43	3.20	6.52	3.76	6.77	1.76	0.23	26.39	27.52	34.35	22.58	10.98	WET	WET	WET	NORM	NORM
33	2012	0.27	3.24	7.32	0.95	0.40	3.50	0.89	28.71	20.73	10.42	12.25	10.07	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.95	1.64	1.99
April	1.76	2.97	3.61
May	2.38	3.64	4.38
June	2.58	3.93	4.71
July	2.31	3.61	4.35
August	2.27	3.23	3.83
Sept.	1.63	2.66	3.22
Jun-MAM	9.2	15.7	19.0
Jul-JMA	11.5	21.3	26.0
Aug-JJM	13.3	22.0	26.6
Sep-AJJ	13.4	20.6	24.6
Oct-SAJ	10.9	17.0	20.5

Normals are for 1971-2000 data

March	1.79
April	2.25
May	3.12
June	4.27
July	3.46
August	3.12
Sept.	2.44

NOTE:

Sioux Falls Foss FLD NWS Station (SD7667) was used for March - July 2004 and April 2008.

Montrose 8 N NWS Station (SD5738) was used for Aug. 2011.

Rainfall Data
Columbia 8 N
Station #SD1873
Brown County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.54	0.58	2.52	2.40	1.08	4.71	1.03	9.26	12.82	10.56	18.69	13.59	NORM	NORM	DRY	NORM	NORM
2	1981	0.78	1.21	1.71	3.19	5.69	2.78	1.18	8.33	14.20	25.16	22.91	14.79	NORM	NORM	WET	WET	NORM
3	1982	4.19	0.62	2.57	1.56	3.41	0.72	2.08	13.14	10.44	15.92	10.54	11.09	NORM	NORM	NORM	NORM	NORM
4	1983	2.99	0.67	1.65	3.88	5.09	3.00	0.85	9.28	15.61	24.68	23.06	13.64	NORM	NORM	WET	WET	NORM
5	1984	1.49	2.92	1.20	6.22	1.57	2.25	0.85	10.93	23.98	18.35	16.11	8.62	NORM	WET	NORM	NORM	NORM
6	1985	1.13	0.46	3.74	2.11	2.31	2.79	2.29	13.27	14.27	14.89	15.10	14.76	NORM	NORM	NORM	NORM	NORM
7	1986	0.48	9.60	3.16	3.25	4.52	3.28	3.16	29.16	25.67	23.22	22.13	20.56	WET	WET	WET	WET	WET
8	1987	2.38	0.28	2.10	1.28	3.87	1.73	0.92	9.24	8.32	16.27	14.21	10.09	NORM	DRY	NORM	NORM	NORM
9	1988	0.26	0.10	3.03	1.19	3.97	2.70	5.09	9.55	9.73	17.32	17.23	24.64	NORM	DRY	NORM	NORM	WET
10	1989	1.50	2.88	0.87	1.70	2.01	2.83	2.44	9.87	9.72	10.30	14.21	14.99	NORM	DRY	DRY	NORM	NORM
11	1990	1.10	2.66	1.78	4.90	1.57	4.31	2.13	11.76	20.92	16.29	20.97	16.58	NORM	WET	NORM	WET	WET
12	1991	0.69	3.68	5.52	3.59	1.62	1.63	0.62	24.61	25.49	17.56	11.72	6.74	WET	WET	NORM	NORM	DRY
13	1992	0.80	0.47	2.84	4.01	3.46	2.49	5.05	10.26	18.18	21.24	18.40	23.59	NORM	NORM	NORM	NORM	WET
14	1993	0.53	1.32	2.35	6.05	5.80	2.60	1.02	10.22	24.17	31.85	25.45	14.06	NORM	WET	WET	WET	NORM
15	1994	0.36	1.81	1.21	0.69	5.01	2.60	1.70	7.61	6.30	17.62	18.51	15.31	DRY	DRY	NORM	NORM	NORM
16	1995	1.86	1.61	4.00	1.55	3.32	2.95	1.48	17.08	14.26	17.06	17.04	13.66	WET	NORM	NORM	NORM	NORM
17	1996	0.76	0.38	4.54	3.12	1.14	1.31	3.99	15.14	18.82	14.20	9.33	15.73	NORM	NORM	NORM	DRY	NORM
18	1997	0.69	2.07	1.57	2.21	3.54	0.52	1.33	9.54	11.84	16.61	10.85	8.57	NORM	NORM	NORM	NORM	NORM
19	1998	1.61	2.01	4.93	5.56	1.07	4.21	0.13	20.42	28.55	19.26	20.33	9.88	WET	WET	NORM	WET	NORM
20	1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	NORM	NORM	WET	NORM	WET
21	2000	4.70	1.45	2.41	2.53	7.39	1.83	0.77	14.83	13.86	29.64	22.80	13.36	NORM	NORM	WET	WET	NORM
22	2001	0.18	3.25	3.29	2.81	5.81	0.68	1.82	16.55	18.26	26.34	16.47	12.63	WET	NORM	WET	NORM	NORM
23	2002	0.37	0.85	1.24	0.45	3.58	3.48	1.17	5.79	4.68	12.88	18.05	14.05	DRY	DRY	NORM	NORM	NORM
24	2003	0.17	2.52	4.75	7.74	1.83	1.52	1.44	19.46	35.24	25.72	15.96	9.19	WET	WET	WET	NORM	NORM
25	2004	1.85	0.51	8.99	2.62	2.76	3.45	3.82	29.84	26.35	22.51	18.49	21.12	WET	WET	WET	NORM	WET
26	2005	0.06	0.62	3.44	8.05	3.56	2.58	1.69	11.62	31.65	30.22	22.91	13.79	NORM	WET	WET	WET	NORM
27	2006	1.54	2.45	2.43	1.80	0.83	4.10	2.58	13.73	12.71	8.52	15.76	16.77	NORM	NORM	DRY	NORM	WET
28	2007	1.59	3.41	11.23	3.70	3.35	3.20	2.25	42.10	36.97	28.68	20.00	16.50	WET	WET	WET	WET	NORM
29	2008	1.01	0.86	1.85	3.11	5.22	2.76	3.87	8.28	13.89	23.73	21.83	22.35	NORM	NORM	WET	WET	WET
30	2009	1.21	1.11	0.84	5.12	5.61	7.22	3.28	5.95	18.15	27.91	38.00	29.89	DRY	NORM	WET	WET	WET
31	2010	1.31	1.51	4.85	2.98	4.43	1.93	4.92	18.88	20.15	24.10	17.63	23.05	WET	NORM	WET	NORM	WET
32	2011	1.05	2.38	3.05	4.55	7.93	1.46	0.68	14.96	22.13	35.94	24.79	12.89	NORM	WET	WET	WET	NORM
33	2012	0.34	3.09	1.19	1.84	3.13	2.28	0.09	10.09	10.99	14.26	14.94	7.96	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.69	1.42	1.73
April	0.82	1.80	2.20
May	1.83	2.78	3.33
June	1.85	3.19	3.87
July	1.70	2.95	3.58
August	1.56	2.31	2.76
Sept.	0.81	1.99	2.47
Jun-MAM	7.82	13.36	16.12
Jul-JMA	10.03	16.93	20.47
Aug-JJM	10.63	18.01	21.81
Sep-AJJ	9.93	16.02	19.31
Oct-SAJ	7.25	13.54	16.51

Normals are for 1971-2000 data

March	1.42
April	1.80
May	2.78
June	3.19
July	2.95
August	2.31
Sept.	1.99

Rainfall Data
Conde
Station #SD1917
Spink County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.50	1.24	1.26	4.46	2.17	3.54	0.56	6.76	17.14	16.69	19.42	10.93	DRY	NORM	NORM	NORM	NORM
1981	1.24	0.85	1.45	2.13	1.85	1.69	0.73	7.29	10.14	11.26	10.90	7.42	NORM	NORM	NORM	NORM	NORM
1982	1.22	0.82	4.67	2.21	2.77	2.18	2.27	16.87	16.79	17.40	14.29	13.94	WET	NORM	NORM	NORM	NORM
1983	2.08	0.53	1.32	4.42	4.92	2.82	1.82	7.10	16.43	24.92	22.72	16.02	NORM	NORM	WET	WET	NORM
1984	1.46	2.24	1.56	8.54	2.61	3.78	0.77	10.62	30.98	26.47	25.10	12.48	NORM	WET	WET	WET	NORM
1985	0.83	0.65	2.54	1.88	1.90	2.62	2.83	9.75	11.37	12.00	13.54	15.63	NORM	NORM	NORM	NORM	NORM
1986	0.35	7.02	2.11	3.98	2.77	2.99	3.83	20.72	23.18	18.38	18.49	20.24	WET	WET	NORM	NORM	WET
1987	2.93	0.49	1.71	0.84	2.13	1.53	1.12	9.04	6.43	9.78	9.69	8.55	NORM	DRY	NORM	DRY	NORM
1988	0.41	0.85	4.23	0.93	1.72	3.08	3.69	14.80	12.10	11.25	13.61	18.95	NORM	NORM	NORM	NORM	WET
1989	1.77	3.50	0.81	1.53	0.68	3.19	2.59	11.20	9.71	5.91	12.46	14.83	NORM	NORM	DRY	NORM	NORM
1990	1.74	1.52	1.98	5.94	2.69	1.94	1.58	10.72	23.30	21.93	17.14	11.31	NORM	WET	WET	NORM	NORM
1991	0.57	6.30	6.91	3.24	1.60	3.26	2.38	33.90	29.84	18.19	16.22	15.26	WET	WET	NORM	NORM	NORM
1992	0.78	0.52	0.40	9.79	3.87	1.39	1.10	3.02	30.69	31.59	21.70	9.95	DRY	WET	WET	WET	NORM
1993	0.91	1.50	3.08	4.26	9.29	5.18	1.12	13.15	20.44	39.47	38.38	23.01	NORM	WET	WET	WET	WET
1994	0.30	2.52	1.02	0.62	5.29	4.62	1.07	8.40	6.42	18.13	25.06	17.74	NORM	DRY	NORM	WET	WET
1995	2.88	3.60	4.01	2.23	4.15	2.99	1.80	22.11	18.31	20.92	19.50	15.53	WET	NORM	NORM	NORM	NORM
1996	0.83	0.05	3.71	2.33	1.10	0.59	2.94	12.06	14.46	11.67	6.30	11.10	NORM	NORM	NORM	DRY	NORM
1997	0.50	2.60	1.60	1.04	13.66	2.45	2.51	10.50	8.92	44.66	35.71	26.09	NORM	DRY	WET	WET	WET
1998	1.13	4.51	5.65	3.79	2.54	3.03	0.03	27.10	27.18	20.85	17.96	8.69	WET	WET	NORM	NORM	NORM
1999	1.04	2.35	3.48	4.73	2.26	4.08	5.90	16.18	23.50	19.72	21.49	28.12	WET	WET	NORM	WET	WET
2000	0.58	1.12	2.03	2.98	2.41	1.97	0.53	8.91	14.12	15.22	13.71	7.94	NORM	NORM	NORM	NORM	NORM
2001	0.16	4.34	2.38	4.45	3.66	1.05	2.19	15.98	22.45	22.26	14.92	12.33	NORM	WET	WET	NORM	NORM
2002	0.78	1.07	1.65	1.95	2.77	4.91	0.41	7.87	10.22	13.86	22.22	13.82	NORM	NORM	NORM	WET	NORM
2003	0.85	2.32	4.64	5.56	1.78	1.03	0.95	19.41	28.28	21.10	12.21	6.69	WET	WET	NORM	NORM	DRY
2004	2.26	1.25	4.44	3.92	4.69	1.54	4.52	18.08	21.89	26.35	17.92	21.33	WET	WET	WET	NORM	WET
2005	0.19	0.73	2.38	9.51	2.07	5.57	3.91	8.79	34.02	27.61	30.36	24.94	NORM	WET	WET	WET	WET
2006	1.45	2.45	2.20	2.20	0.53	3.31	2.86	12.95	13.45	8.19	13.19	15.73	NORM	NORM	DRY	NORM	NORM
2007	1.36	3.12	10.56	5.81	0.09	1.64	3.20	39.28	41.67	22.45	10.91	12.97	WET	WET	WET	NORM	NORM
2008	0.66	1.62	1.54	2.92	3.74	1.03	5.61	8.52	13.46	18.60	13.49	22.63	NORM	NORM	NORM	NORM	WET
2009	1.21	1.13	1.43	2.03	3.60	1.80	3.56	7.76	10.08	16.29	14.63	17.88	NORM	NORM	NORM	NORM	WET
2010	1.62	2.97	3.42	5.26	3.59	1.02	5.43	17.82	25.59	24.71	15.50	21.92	WET	WET	WET	NORM	WET
2011	1.16	3.59	3.71	3.94	2.86	0.80	0.74	19.47	22.83	20.17	12.06	6.68	WET	WET	NORM	NORM	DRY
2012	0.29	3.93	2.07	1.14	0.40	1.81	0.10	14.36	11.49	5.55	7.37	4.32	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.17	1.42
April	0.92	1.95	2.38
May	1.49	2.70	3.29
June	1.79	2.98	3.62
July	1.48	3.07	3.75
August	1.94	2.70	3.19
Sept.	0.65	1.70	2.08
Jun-MAM	6.91	13.17	16.05
Jul-JMA	9.27	16.29	19.82
Aug-JJM	9.51	17.87	21.78
Sep-AJJ	10.57	17.22	20.69
Oct-SAJ	7.31	13.57	16.37

Normals are for 1971-2000 data

March	1.17
April	1.95
May	2.70
June	2.98
July	3.07
August	2.70
Sept.	1.70

NOTE:

Raymond 3 NE NWS Station (SD7007) was used for June 1983; May 1985; June - July 1986; March 2007; and March - Sept. 2008 and 2009; Sept. 2011; March - Sept. 2012.

Turton NWS Station (SD8420) was used for March-Sept. 2010; March-Aug. 2011.

Rainfall Data
Cottonwood 2 E
Station #SD1972
Jackson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.94	1.02	0.49	2.90	2.00	1.68	0.60	4.45	10.70	12.29	11.94	7.16	DRY	NORM	NORM	NORM	NORM
1981	0.14	0.17	2.50	4.56	4.49	2.98	0.12	7.98	18.85	25.09	22.48	10.81	NORM	NORM	WET	WET	WET
1982	1.83	0.55	7.18	2.58	3.12	1.55	1.63	24.47	22.65	21.70	13.47	11.11	WET	WET	WET	NORM	WET
1983	1.25	1.08	4.16	2.22	1.30	0.85	0.30	15.89	16.06	12.50	7.37	3.90	NORM	NORM	NORM	NORM	DRY
1984	0.59	2.24	3.15	6.57	1.36	1.02	0.44	14.52	28.25	20.37	12.35	4.72	NORM	WET	WET	NORM	NORM
1985	1.22	0.79	0.72	1.95	1.89	1.58	1.43	4.96	8.08	10.29	10.47	9.34	DRY	DRY	NORM	NORM	NORM
1986	1.82	5.43	2.26	3.84	1.93	2.80	2.82	19.46	21.47	15.73	16.10	15.99	WET	WET	NORM	WET	WET
1987	1.96	0.41	3.62	1.33	1.59	0.94	0.38	13.64	11.64	11.05	7.33	4.61	NORM	NORM	NORM	NORM	NORM
1988	0.90	0.62	2.94	4.09	1.56	1.13	0.56	10.96	18.77	15.80	10.60	5.50	NORM	NORM	NORM	NORM	NORM
1989	1.42	1.21	1.41	0.92	1.07	0.19	3.48	8.07	6.79	6.46	3.63	11.89	NORM	DRY	DRY	DRY	WET
1990	1.62	0.59	2.93	1.87	2.83	0.86	0.55	11.59	12.06	15.16	10.11	6.20	NORM	NORM	NORM	NORM	NORM
1991	0.26	2.33	6.83	5.85	0.22	1.45	0.76	25.41	33.54	19.19	10.64	5.40	WET	WET	NORM	NORM	NORM
1992	1.66	0.93	1.15	5.73	4.17	1.01	0.42	6.97	20.42	25.12	17.10	7.45	DRY	NORM	WET	WET	NORM
1993	0.30	1.86	2.67	4.72	4.54	1.39	1.80	12.03	21.36	25.73	17.97	12.72	NORM	WET	WET	WET	WET
1994	0.26	1.79	0.83	1.92	2.04	3.03	0.69	6.33	9.21	10.79	15.09	10.17	DRY	DRY	NORM	NORM	NORM
1995	1.30	1.90	5.20	2.69	1.17	0.11	0.83	20.70	20.37	14.09	5.36	3.88	WET	NORM	NORM	DRY	DRY
1996	0.89	1.28	5.11	1.15	1.98	0.99	3.13	18.78	14.95	13.35	8.08	13.35	WET	NORM	NORM	NORM	WET
1997	0.50	2.70	3.34	6.32	6.44	1.99	0.67	15.92	28.34	35.30	25.17	12.43	NORM	WET	WET	WET	WET
1998	2.73	0.23	3.04	3.42	2.31	3.73	0.85	12.31	16.57	16.81	19.23	12.32	NORM	NORM	NORM	WET	WET
1999	0.75	2.49	2.39	4.05	0.51	2.10	2.47	12.90	19.42	12.02	11.37	12.12	NORM	NORM	NORM	NORM	WET
2000	1.38	3.59	1.01	2.10	1.61	0.28	0.20	11.59	11.91	10.04	6.16	2.77	NORM	NORM	NORM	DRY	DRY
2001	0.50	2.80	1.66	2.21	4.58	1.09	0.97	11.08	12.75	19.82	14.64	9.67	NORM	NORM	WET	NORM	NORM
2002	1.27	1.08	1.95	0.35	0.91	1.82	3.46	9.28	6.03	5.38	7.63	14.93	NORM	DRY	DRY	NORM	WET
2003	1.41	2.02	1.60	2.01	0.44	0.46	0.89	10.25	11.25	6.94	4.27	4.03	NORM	NORM	DRY	DRY	DRY
2004	1.22	0.27	1.65	1.88	1.29	0.66	3.96	6.71	9.21	9.28	6.44	14.49	DRY	DRY	DRY	DRY	WET
2005	1.12	3.16	4.12	2.52	1.19	0.78	1.19	19.80	18.96	12.73	7.24	6.32	WET	NORM	NORM	NORM	NORM
2006	1.80	2.05	0.49	0.93	0.58	2.39	2.25	7.37	5.82	4.09	9.26	12.11	DRY	DRY	DRY	NORM	WET
2007	1.83	1.47	2.31	1.59	0.57	2.33	1.15	11.70	10.86	7.20	9.72	8.68	NORM	NORM	DRY	NORM	NORM
2008	0.59	1.38	5.55	3.84	3.93	1.63	0.58	20.00	24.00	25.02	16.59	8.93	WET	WET	WET	WET	NORM
2009	1.63	2.08	0.31	2.13	2.88	1.18	0.31	6.72	9.09	13.21	11.43	6.17	DRY	DRY	NORM	NORM	NORM
2010	1.08	2.31	2.81	3.99	4.01	1.08	1.18	14.13	19.90	22.82	15.25	9.71	NORM	NORM	WET	WET	NORM
2011	0.44	1.77	5.09	1.66	2.23	0.86	0.45	19.25	16.93	15.10	8.70	5.30	WET	NORM	NORM	NORM	NORM
2012	0.02	2.05	1.22	4.52	0.78	1.40	0.00	7.78	18.05	12.60	10.28	3.58	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.54	1.15	1.40
April	0.90	1.71	2.09
May	1.69	2.95	3.59
June	1.85	3.07	3.72
July	1.31	2.26	2.74
August	0.84	1.63	1.99
Sept.	0.39	1.12	1.35
Jun-MAM	7.41	13.42	16.35
Jul-JMA	9.83	16.82	20.43
Aug-JJM	9.32	15.87	19.25
Sep-AJJ	6.99	12.48	15.17
Oct-SAJ	4.16	8.88	10.77

Normals are for 1961-1990 data

March	1.15
April	1.71
May	2.95
June	3.07
July	2.26
August	1.63
Sept.	1.12

Rainfall Data
Custer
Station #SD2087
Custer County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.03	1.46	2.34	3.28	3.99	2.24	0.61	10.97	15.98	20.87	17.98	10.30	NORM	NORM	NORM	NORM	NORM
1981	0.54	1.08	6.35	0.75	3.12	2.02	0.41	21.75	16.03	17.21	13.05	8.39	WET	NORM	NORM	NORM	NORM
1982	1.08	1.12	5.06	5.81	4.15	2.52	3.64	18.50	28.67	29.13	21.67	20.11	WET	WET	WET	WET	WET
1983	1.00	0.58	3.58	1.33	2.33	3.81	0.75	12.90	11.73	13.23	17.42	12.20	NORM	NORM	NORM	NORM	NORM
1984	0.00	2.75	2.09	5.23	5.96	1.65	1.01	11.77	22.62	30.43	22.10	12.29	NORM	WET	WET	WET	NORM
1985	1.63	0.69	1.34	1.11	2.38	0.74	3.33	7.03	6.70	10.70	8.09	13.85	DRY	DRY	DRY	DRY	NORM
1986	0.71	3.30	1.85	4.86	1.13	1.66	4.17	12.86	21.58	14.96	12.10	16.96	NORM	NORM	NORM	NORM	WET
1987	1.43	0.32	3.74	1.10	1.77	1.34	0.79	13.29	11.10	11.25	8.66	6.82	NORM	DRY	DRY	DRY	DRY
1988	0.99	1.18	2.38	2.13	2.03	2.02	0.31	10.49	12.33	12.73	12.25	7.00	NORM	NORM	NORM	NORM	DRY
1989	1.01	1.56	2.01	1.87	2.20	1.27	4.85	10.16	11.19	12.35	10.08	19.29	NORM	DRY	NORM	DRY	WET
1990	1.99	2.31	3.56	1.00	4.85	1.50	1.36	17.29	12.43	20.11	15.20	11.93	NORM	NORM	NORM	NORM	NORM
1991	1.08	2.67	7.54	4.14	1.96	2.93	0.45	29.04	30.17	21.70	16.85	9.17	WET	WET	NORM	NORM	NORM
1992	2.38	0.69	2.68	3.12	3.13	1.54	0.47	11.80	15.41	18.31	14.00	7.62	NORM	NORM	NORM	NORM	NORM
1993	1.11	1.98	3.00	5.95	2.92	2.03	1.17	14.07	25.83	23.66	17.88	10.49	NORM	WET	WET	NORM	NORM
1994	0.82	2.15	1.81	1.97	1.64	1.69	0.29	10.55	11.68	10.67	10.32	5.89	NORM	NORM	DRY	DRY	DRY
1995	1.21	1.99	7.55	4.94	2.28	1.04	1.38	27.84	31.91	24.27	12.62	8.50	WET	WET	WET	NORM	NORM
1996	0.89	2.17	5.47	2.24	1.91	4.31	2.06	21.64	19.83	15.68	18.99	16.71	WET	NORM	NORM	NORM	WET
1997	0.40	2.29	3.33	2.76	4.30	4.11	2.21	14.97	17.23	21.75	23.69	19.15	NORM	NORM	NORM	WET	WET
1998	1.79	0.78	3.09	5.07	1.84	3.32	2.38	12.62	22.17	18.75	18.71	15.62	NORM	WET	NORM	NORM	WET
1999	0.67	3.43	2.67	4.57	3.40	7.54	1.29	15.54	22.48	22.01	33.99	22.35	NORM	WET	NORM	WET	WET
2000	0.80	4.30	1.66	0.80	2.07	0.96	0.62	14.38	10.02	9.47	7.82	5.85	NORM	DRY	DRY	DRY	DRY
2001	0.69	2.58	3.16	1.76	5.63	3.31	1.25	15.33	14.18	23.57	22.95	16.00	NORM	NORM	WET	WET	WET
2002	1.54	1.93	2.79	1.85	1.74	3.75	3.00	13.77	13.06	11.71	16.58	18.24	NORM	NORM	DRY	NORM	WET
2003	1.63	2.54	1.41	3.94	0.61	2.48	1.62	10.94	17.18	11.12	12.60	10.43	NORM	NORM	DRY	NORM	NORM
2004	0.80	0.52	1.70	1.79	2.89	0.74	2.62	6.94	9.29	13.95	9.79	12.23	DRY	DRY	NORM	DRY	NORM
2005	0.60	1.73	1.62	1.00	0.69	0.3	1.00	8.92	7.97	5.69	3.28	4.29	DRY	DRY	DRY	DRY	DRY
2006	2.06	0.88	3.54	1.95	2.67	1.50	2.84	14.44	13.81	15.45	11.79	14.19	NORM	NORM	NORM	NORM	NORM
2007	0.82	1.97	4.04	1.23	3.81	5.23	1.31	16.88	13.74	17.93	24.54	18.20	NORM	NORM	NORM	WET	WET
2008	1.25	1.34	6.31	4.38	3.47	0.89	1.49	22.86	27.10	25.48	13.99	9.72	WET	WET	WET	NORM	NORM
2009	0.64	3.78	1.95	3.29	3.74	1.80	1.32	14.05	17.55	19.75	16.17	11.30	NORM	NORM	NORM	NORM	NORM
2010	0.41	3.29	4.37	5.25	3.47	0.85	1.66	20.10	27.78	25.28	14.74	10.15	WET	WET	WET	NORM	NORM
2011	1.47	0.70	5.97	1.80	2.09	4.59	1.28	20.78	18.04	15.84	19.75	15.11	WET	NORM	NORM	WET	WET
2012	0.24	1.64	2.66	3.15	3.11	0.50	0.18	11.50	16.41	18.29	10.87	4.65	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.64	1.07	1.32
April	1.35	2.06	2.48
May	2.18	3.31	3.97
June	1.93	3.17	3.85
July	2.03	3.02	3.61
August	1.51	2.38	2.86
Sept.	0.66	1.50	1.83
Jun-MAM	9.88	15.12	18.19
Jul-JMA	11.50	18.19	21.97
Aug-JJM	12.13	18.71	22.50
Sep-AJJ	10.52	16.35	19.65
Oct-SAJ	7.03	12.28	14.82

Normals are for 1971-2000 data

March	1.07
April	2.06
May	3.31
June	3.17
July	3.02
August	2.38
Sept.	1.50

Note:
Hermosa 3 SSW NWS Station (SD3775) was used for March-June 1983.

Rainfall Data
Deadwood
Station #SD2207
Lawrence County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.20	3.22	3.54	2.44	1.10	2.54	0.60	18.26	17.62	11.72	12.26	7.98	NORM	NORM	DRY	NORM	NORM
1981	0.03	0.22	5.98	3.36	3.74	1.46	1.36	18.41	22.26	23.92	15.22	10.74	NORM	NORM	NORM	NORM	NORM
1982	2.36	2.60	15.99	3.30	4.00	2.65	2.26	55.53	44.48	34.59	19.25	16.08	WET	WET	WET	WET	WET
1983	2.87	2.68	3.48	1.12	2.65	4.47	0.82	18.67	13.00	13.67	19.83	14.05	NORM	DRY	NORM	WET	NORM
1984	2.76	6.62	2.25	5.78	2.38	3.06	1.03	22.75	28.46	20.95	19.72	11.59	NORM	NORM	NORM	WET	NORM
1985	1.77	1.11	2.15	3.12	0.55	0.31	2.81	10.44	14.77	10.04	5.15	9.60	DRY	DRY	DRY	DRY	NORM
1986	0.84	4.39	2.35	4.00	2.88	0.48	5.23	16.67	21.09	18.99	11.20	19.53	NORM	NORM	NORM	NORM	WET
1987	4.20	1.00	3.59	0.64	1.27	4.71	1.51	16.97	10.10	8.68	17.31	15.22	NORM	DRY	DRY	NORM	WET
1988	4.00	1.00	5.34	3.19	0.48	2.05	3.33	22.02	21.25	13.16	10.30	14.57	NORM	NORM	NORM	NORM	NORM
1989	2.55	5.28	3.35	2.64	2.18	1.16	2.34	23.16	19.90	15.17	10.48	11.52	NORM	NORM	NORM	NORM	NORM
1990	1.97	4.08	3.18	1.84	3.02	0.46	0.97	19.67	15.96	15.92	9.26	6.85	NORM	NORM	NORM	NORM	NORM
1991	1.25	3.05	7.50	4.26	1.86	0.41	0.83	29.85	30.83	21.60	9.21	5.17	WET	WET	NORM	NORM	DRY
1992	2.20	3.87	3.05	3.63	2.14	1.26	0.88	19.09	20.86	16.73	11.69	7.30	NORM	NORM	NORM	NORM	NORM
1993	1.14	4.53	4.91	8.31	5.37	1.49	1.55	24.93	39.28	37.64	23.52	13.00	NORM	WET	WET	WET	NORM
1994	2.29	2.34	1.22	0.93	3.28	0.25	1.00	10.63	7.57	12.92	8.24	6.78	DRY	DRY	NORM	DRY	NORM
1995	2.49	3.83	13.32	5.82	6.05	0.88	2.08	50.11	47.93	43.11	20.56	14.05	WET	WET	WET	WET	NORM
1996	3.94	1.28	4.03	2.02	1.60	4.04	2.85	18.59	15.40	12.87	17.34	18.23	NORM	NORM	NORM	NORM	WET
1997	0.95	5.93	3.78	2.27	6.49	3.37	1.00	24.15	20.30	27.79	25.36	16.23	NORM	NORM	WET	WET	WET
1998	2.35	1.80	1.48	8.74	2.85	3.94	1.50	10.39	30.98	27.51	26.26	15.23	DRY	WET	WET	WET	WET
1999	2.05	4.71	3.42	7.52	0.96	4.17	0.96	21.73	34.11	21.34	21.95	12.18	NORM	WET	NORM	WET	NORM
2000	2.36	5.16	4.77	3.66	2.48	0.00	1.86	26.99	25.68	19.53	8.62	8.06	NORM	NORM	NORM	NORM	NORM
2001	1.95	4.09	3.28	3.37	6.23	2.46	0.92	19.97	20.76	28.71	23.21	13.91	NORM	NORM	WET	WET	NORM
2002	1.85	3.47	3.00	0.62	0.88	2.50	5.50	17.79	11.33	6.88	9.88	22.38	NORM	DRY	DRY	NORM	WET
2003	1.93	1.93	5.35	4.80	1.62	0.94	3.15	21.84	27.03	19.81	10.86	12.95	NORM	NORM	NORM	NORM	NORM
2004	2.25	2.48	2.93	0.73	5.93	1.73	0.93	16.00	10.53	22.18	17.78	12.18	NORM	DRY	NORM	NORM	NORM
2005	1.26	4.32	6.25	2.86	1.16	2.52	1.5	28.65	25.40	15.45	12.74	10.70	WET	NORM	NORM	NORM	NORM
2006	1.60	8.36	4.01	0.82	1.01	1.96	6.77	30.35	18.84	8.68	8.72	25.24	WET	NORM	DRY	NORM	WET
2007	3.08	1.85	9.41	6.25	2.13	3.35	0.62	35.01	39.42	28.30	20.56	10.69	WET	WET	WET	WET	NORM
2008	2.21	3.59	10.85	9.03	3.39	1.54	1.28	41.94	52.38	39.08	20.43	10.31	WET	WET	WET	WET	NORM
2009	6.26	3.16	1.90	3.35	3.51	3.69	1.76	18.28	17.01	19.13	21.44	16.17	NORM	NORM	NORM	WET	WET
2010	1.36	6.05	5.82	5.08	1.42	2.88	1.06	30.92	32.93	20.24	16.56	10.36	WET	WET	NORM	NORM	NORM
2011	1.85	2.89	8.28	5.11	1.78	2.13	0.62	32.47	34.78	23.84	15.06	7.90	WET	WET	NORM	NORM	NORM
2012	0.39	3.60	2.87	1.47	3.38	2.27	0.00	16.20	13.75	15.95	15.04	7.92	NORM	DRY	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	1.65	2.36	3.28
April	2.40	3.49	4.66
May	2.74	4.62	5.11
June	2.31	3.94	4.68
July	1.64	2.71	3.38
August	0.98	2.03	2.54
Sept.	0.92	1.74	2.04
Jun-MAM	14.67	23.20	27.93
Jul-JMA	14.81	24.55	28.92
Aug-JJM	12.28	20.63	24.61
Sep-AJJ	8.53	15.45	19.06
Oct-SAJ	6.36	11.99	14.58

Normals are for 1971-2000 data

March	2.36
April	3.49
May	4.62
June	3.94
July	2.71
August	2.03
Sept.	1.74

NOTE:

Lead NWS Station (SD4834) was used for Sept. 1983; March-July 1984; March 1990; August and Sept. 1996; June and Sept. 2001; March 2003; March 2004; Sept. 2005; and May-September 2006; 2012.

Deadwood 2 NE NWS Station (SD2209) was used for March-Sept. 2007-11.

Rainfall Data
De Smet
Station #SD2302
Kingsbury County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.69	0.67	1.71	5.27	1.86	4.17	0.95	7.16	19.90	17.83	21.50	13.05	DRY	NORM	NORM	NORM	NORM
1981	1.57	0.64	1.09	3.86	4.72	2.38	0.69	6.12	14.40	22.97	20.44	11.55	DRY	NORM	NORM	NORM	NORM
1982	0.93	1.56	6.30	1.86	4.62	2.33	2.77	22.95	19.74	23.88	18.09	17.59	WET	NORM	NORM	NORM	NORM
1983	3.28	1.05	1.31	3.39	2.05	1.44	3.44	9.31	13.84	14.24	11.81	15.25	NORM	NORM	NORM	DRY	NORM
1984	1.28	3.46	2.11	11.92	1.55	5.85	2.22	14.53	43.44	30.60	32.57	19.91	NORM	WET	WET	WET	WET
1985	3.51	2.39	3.84	2.51	3.31	4.21	7.62	19.81	17.60	18.79	21.76	34.59	WET	NORM	NORM	NORM	WET
1986	1.40	7.36	3.88	2.86	7.45	3.46	4.46	27.76	23.70	31.95	28.14	27.75	WET	NORM	WET	WET	WET
1987	3.30	0.45	0.97	1.79	8.31	3.28	1.76	7.11	7.76	29.48	28.25	20.15	DRY	DRY	WET	WET	WET
1988	1.63	1.17	2.28	1.71	1.63	2.42	3.82	10.81	10.86	10.59	12.23	17.93	NORM	DRY	DRY	NORM	NORM
1989	1.87	2.45	2.15	4.67	4.57	3.30	2.60	13.22	20.76	25.20	23.71	18.97	NORM	NORM	NORM	WET	NORM
1990	0.81	0.74	5.00	9.72	3.12	2.33	0.17	17.29	39.90	33.80	22.95	8.29	NORM	WET	WET	NORM	DRY
1991	0.35	4.06	6.54	6.25	1.51	1.50	2.13	28.09	35.89	23.57	13.77	10.90	WET	WET	NORM	NORM	NORM
1992	1.09	2.02	1.37	4.18	4.21	3.12	2.66	9.24	17.30	22.36	21.96	18.43	NORM	NORM	NORM	NORM	NORM
1993	1.25	3.11	3.64	8.74	5.34	3.24	2.07	18.39	36.61	37.14	29.14	18.03	NORM	WET	WET	WET	NORM
1994	0.55	1.33	1.45	2.60	3.35	3.87	2.59	7.56	12.03	16.70	20.91	18.86	DRY	NORM	NORM	NORM	NORM
1995	2.76	4.31	4.63	3.63	5.60	2.73	4.05	25.27	24.46	28.69	23.02	23.21	WET	WET	WET	NORM	WET
1996	0.40	0.25	5.05	1.64	2.07	1.49	3.78	16.05	15.27	14.54	10.25	16.39	NORM	NORM	NORM	DRY	NORM
1997	0.20	1.27	0.10	1.55	7.32	1.21	4.29	3.04	6.12	25.16	19.82	22.61	DRY	DRY	NORM	NORM	WET
1998	2.10	2.23	3.40	3.67	3.71	4.57	0.26	16.76	20.04	21.87	24.80	13.63	NORM	NORM	NORM	WET	NORM
1999	1.00	2.91	2.53	4.47	7.29	3.57	3.42	14.41	21.38	33.34	29.76	24.69	NORM	NORM	WET	WET	WET
2000	0.35	1.60	4.88	3.69	2.48	1.84	0.53	18.19	22.43	19.70	14.17	7.75	NORM	NORM	NORM	NORM	DRY
2001	0.86	6.27	3.27	5.84	2.65	0.93	1.73	23.21	30.33	22.90	13.93	9.70	WET	WET	NORM	NORM	NORM
2002	2.49	1.20	1.88	1.81	2.20	4.39	1.30	10.53	10.39	12.10	19.38	14.88	NORM	DRY	DRY	NORM	NORM
2003	0.30	2.42	2.10	4.58	2.46	1.41	1.10	11.44	20.36	18.64	13.73	8.58	NORM	NORM	NORM	NORM	DRY
2004	1.02	1.38	5.76	4.88	5.39	1.79	4.32	21.06	27.54	31.69	21.03	21.93	WET	WET	WET	NORM	WET
2005	0.25	1.02	2.45	3.46	2.23	1.47	9.7	9.64	16.30	16.06	12.33	34.27	NORM	NORM	NORM	NORM	WET
2006	1.59	1.79	0.98	2.46	0.86	6.81	5.51	8.11	11.13	8.48	24.61	31.01	DRY	DRY	DRY	WET	WET
2007	3.39	3.42	4.25	2.27	1.05	4.17	2.14	22.98	18.73	11.94	16.88	15.81	WET	NORM	DRY	NORM	NORM
2008	2.19	3.46	2.21	3.77	3.12	1.14	1.30	15.74	19.19	19.11	13.43	9.30	NORM	NORM	NORM	NORM	NORM
2009	2.27	1.91	4.12	3.34	7.00	1.97	2.57	18.45	20.17	31.80	23.25	18.65	NORM	NORM	WET	NORM	NORM
2010	1.34	1.24	3.15	10.72	7.74	2.50	3.23	13.27	39.70	47.81	33.70	22.43	NORM	WET	WET	WET	WET
2011	2.41	2.33	4.18	2.88	3.15	2.83	0.34	19.61	19.33	19.39	17.67	9.83	WET	NORM	NORM	NORM	NORM
2012	0.71	3.65	3.79	1.26	1.01	2.79	0.85	19.38	15.01	9.34	11.65	9.14	WET	NORM	DRY	DRY	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.75	1.53	1.87
April	1.20	2.21	2.69
May	1.69	3.08	3.75
June	2.45	3.92	4.74
July	2.00	3.55	4.32
August	1.85	2.76	3.30
Sept.	0.98	2.36	2.87
Jun-MAM	8.22	15.19	18.50
Jul-JMA	11.93	20.13	24.41
Aug-JJM	12.59	21.57	26.19
Sep-AJJ	12.00	19.30	23.28
Oct-SAJ	8.64	16.15	19.53

Normals are for 1971-2000 data

March	1.53
April	2.21
May	3.08
June	3.92
July	3.55
August	2.76
Sept.	2.36

NOTE:
Iroquois NWS Station (SD4254) was used for June 2003.

Rainfall Data
Dupree
Station #SD2429
Ziebach County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.27	0.89	1.35	2.12	1.04	2.41	0.60	6.10	9.95	8.71	11.43	7.66	DRY	DRY	DRY	NORM	NORM
2	1981	0.15	0.09	2.21	4.41	2.80	2.73	1.56	6.96	17.74	19.43	18.20	12.94	DRY	NORM	NORM	WET	WET
3	1982	2.52	0.79	7.30	2.10	2.40	2.59	0.86	26.00	21.69	18.70	14.67	10.16	WET	WET	NORM	NORM	NORM
4	1983	1.42	0.76	2.36	2.34	0.85	2.35	0.99	10.02	12.50	9.59	11.09	8.52	NORM	NORM	DRY	NORM	NORM
5	1984	0.98	2.52	1.44	4.49	2.30	2.18	0.98	10.34	18.87	17.32	15.63	9.60	NORM	NORM	NORM	NORM	NORM
6	1985	1.81	1.14	2.23	2.03	1.07	2.25	1.74	10.78	11.69	9.50	10.92	10.79	NORM	NORM	DRY	NORM	NORM
7	1986	0.60	4.63	4.00	3.02	4.34	0.37	3.06	21.86	21.69	23.06	12.81	14.26	WET	WET	WET	NORM	WET
8	1987	3.54	0.24	5.72	1.89	4.53	3.11	0.47	21.18	17.35	23.09	20.28	12.16	WET	NORM	WET	WET	WET
9	1988	1.21	0.77	2.90	3.80	0.06	0.65	0.36	11.45	17.97	10.68	5.87	2.44	NORM	NORM	NORM	DRY	DRY
10	1989	1.91	3.04	0.35	1.21	2.38	1.75	1.89	9.04	7.37	9.91	11.22	11.55	NORM	DRY	NORM	NORM	WET
11	1990	0.27	0.98	1.58	5.52	1.54	1.03	0.57	6.97	20.70	17.24	11.69	5.31	DRY	NORM	NORM	NORM	NORM
12	1991	0.68	2.46	5.32	2.02	1.29	0.85	0.56	21.56	19.16	13.23	7.15	4.67	WET	NORM	NORM	DRY	NORM
13	1992	0.50	0.50	1.01	3.58	5.47	1.25	0.59	4.53	13.26	24.58	18.27	9.74	DRY	NORM	WET	WET	NORM
14	1993	1.37	1.47	3.53	7.10	4.18	0.16	0.60	14.90	29.83	30.27	15.94	6.30	NORM	WET	WET	WET	NORM
15	1994	0.48	1.51	0.61	3.79	3.10	1.07	0.76	5.33	14.10	17.49	13.20	7.52	DRY	NORM	NORM	NORM	NORM
16	1995	1.26	2.67	4.23	6.22	0.69	2.00	0.96	19.29	29.79	18.74	13.60	7.57	WET	WET	NORM	NORM	NORM
17	1996	0.36	1.14	6.63	1.47	0.52	0.89	5.55	22.53	18.81	11.13	5.18	18.95	WET	NORM	NORM	DRY	WET
18	1997	0.14	2.39	2.65	0.80	3.90	2.56	0.45	12.87	10.09	15.95	16.28	10.37	NORM	DRY	NORM	WET	NORM
19	1998	0.90	0.91	1.38	4.39	1.23	2.50	0.22	6.86	16.84	13.85	14.35	6.89	DRY	NORM	NORM	NORM	NORM
20	1999	0.53	2.94	3.19	5.26	2.53	5.55	1.48	15.98	25.10	21.30	26.97	18.07	NORM	WET	WET	WET	WET
21	2000	2.48	4.60	3.87	3.06	1.73	0.15	0.39	23.29	21.52	15.18	6.97	3.20	WET	NORM	NORM	DRY	DRY
22	2001	0.14	2.05	1.76	2.27	3.34	0.13	0.73	9.52	12.38	16.32	9.34	5.79	NORM	NORM	NORM	NORM	NORM
23	2002	0.40	0.84	0.72	1.86	1.25	0.78	1.32	4.24	7.86	8.19	6.70	6.77	DRY	DRY	DRY	DRY	NORM
24	2003	0.93	1.71	2.22	1.77	1.44	0.69	1.29	11.01	11.46	10.08	6.72	6.69	NORM	NORM	NORM	DRY	NORM
25	2004	0.88	1.11	2.84	1.90	3.59	1.27	3.80	11.62	12.49	17.41	12.89	17.53	NORM	NORM	NORM	NORM	WET
26	2005	0.57	1.92	3.74	3.59	3.59	1.38	0.43	15.63	20.17	21.69	14.91	7.64	NORM	NORM	WET	NORM	NORM
27	2006	1.20	1.54	0.66	1.32	0.28	2.25	2.97	6.26	6.82	4.14	8.63	13.69	DRY	DRY	DRY	NORM	WET
28	2007	2.00	2.12	3.72	4.14	2.66	2.30	0.31	17.40	21.98	19.98	16.36	8.19	WET	WET	WET	WET	NORM
29	2008	0.66	2.13	4.43	7.31	4.50	1.06	0.86	18.21	32.92	32.55	19.49	9.20	WET	WET	WET	WET	NORM
30	2009	1.93	1.92	2.17	3.13	3.19	1.71	0.67	12.28	15.65	18.00	14.64	8.62	NORM	NORM	NORM	NORM	NORM
31	2010	0.79	2.03	5.99	8.00	2.25	0.75	3.60	22.82	38.01	28.74	14.75	14.55	WET	WET	WET	NORM	WET
32	2011	1.44	2.62	5.08	4.90	3.15	2.20	0.47	21.92	27.48	24.33	17.80	8.96	WET	WET	WET	WET	NORM
33	2012	0.38	2.68	1.88	2.82	3.73	0.53	0.15	11.38	14.90	18.71	11.87	5.24	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.45	1.15	1.39
April	0.94	1.86	2.27
May	1.76	3.06	3.72
June	2.27	3.34	3.98
July	1.14	2.25	2.75
August	0.88	1.70	2.08
Sept.	0.46	1.17	1.42
Jun-MAM	7.61	14.05	17.09
Jul-JMA	11.27	18.00	21.65
Aug-JJM	9.72	16.49	19.93
Sep-AJJ	7.19	12.94	15.72
Oct-SAJ	4.28	9.16	11.17

Normals are for 1971-2000 data

March	1.15
April	1.86
May	3.06
June	3.34
July	2.25
August	1.70
Sept.	1.17

NOTE:
Dupree 15 SSE NWS Station (SD2446) was used for May 1983, March 1994, and March 1996.

Rainfall Data
Dupree 15 SSE
Station #SD2446
Ziebach County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.38	0.87	0.73	1.67	1.08	1.86	1.41	4.31	7.34	7.31	9.41	9.03	DRY	DRY	DRY	NORM	NORM
1981	0.14	0.00	2.33	2.41	2.47	2.60	0.46	7.13	11.89	14.56	15.15	9.05	NORM	NORM	NORM	NORM	NORM
1982	2.54	0.38	7.84	2.75	4.65	3.44	1.21	26.82	24.31	27.29	22.37	15.16	WET	WET	WET	WET	WET
1983	1.20	0.53	2.36	2.98	1.35	1.95	1.19	9.34	14.19	12.37	11.53	8.82	NORM	NORM	NORM	NORM	NORM
1984	0.51	1.77	1.79	5.85	2.26	0.51	0.81	9.42	22.90	20.27	11.90	5.71	NORM	WET	WET	NORM	NORM
1985	1.81	1.14	2.23	2.03	1.07	2.31	1.65	10.78	11.69	9.50	11.10	10.64	NORM	NORM	DRY	NORM	NORM
1986	0.66	3.64	4.93	3.31	2.42	0.89	3.51	22.73	23.43	18.81	10.82	14.73	WET	WET	NORM	NORM	WET
1987	3.41	0.08	3.84	1.72	3.48	5.58	0.44	15.09	12.92	17.72	25.42	15.96	NORM	NORM	NORM	WET	WET
1988	0.44	0.76	3.44	1.48	1.50	0.17	0.97	12.28	12.08	10.90	4.99	4.75	NORM	NORM	NORM	DRY	NORM
1989	2.12	2.25	0.98	1.12	3.31	1.07	2.00	9.56	7.57	13.15	10.95	11.45	NORM	DRY	NORM	NORM	NORM
1990	0.54	1.15	1.90	3.50	2.09	1.87	0.95	8.54	15.45	15.17	13.29	8.68	NORM	NORM	NORM	NORM	NORM
1991	0.46	4.69	4.98	1.88	2.24	1.31	0.55	24.78	20.29	15.46	10.29	6.51	WET	WET	NORM	NORM	NORM
1992	0.63	0.17	1.22	3.17	7.74	2.26	0.61	4.63	12.12	30.78	25.43	14.09	DRY	NORM	WET	WET	WET
1993	1.28	1.61	3.93	5.87	6.24	0.65	1.22	16.29	27.08	34.39	20.30	11.20	NORM	WET	WET	WET	NORM
1994	0.48	1.25	0.60	5.42	2.99	0.10	1.12	4.78	18.71	20.41	11.70	6.55	DRY	NORM	WET	NORM	NORM
1995	0.93	1.98	6.34	4.50	1.43	0.35	0.77	23.91	28.16	19.63	8.41	4.44	WET	WET	NORM	NORM	NORM
1996	0.36	0.79	6.38	1.62	0.87	2.78	8.17	21.08	18.41	12.23	11.70	30.94	WET	NORM	NORM	NORM	WET
1997	0.23	3.16	4.57	0.47	5.16	3.11	0.87	20.26	13.71	20.99	20.12	13.99	WET	NORM	WET	WET	WET
1998	0.95	0.61	1.50	3.76	1.25	2.09	0.15	6.67	14.89	12.77	12.53	5.88	DRY	NORM	NORM	NORM	NORM
1999	0.37	3.04	3.06	3.33	2.11	2.33	1.06	15.63	19.15	16.05	14.54	9.95	NORM	NORM	NORM	NORM	NORM
2000	2.77	4.79	3.26	2.47	2.67	0.00	0.17	22.13	18.72	16.21	7.81	3.18	WET	NORM	NORM	NORM	DRY
2001	0.12	1.59	2.47	1.53	4.16	0.00	0.92	10.71	11.12	18.01	9.85	6.92	NORM	NORM	NORM	NORM	NORM
2002	0.69	0.63	0.83	1.61	1.64	1.75	1.35	4.44	7.12	8.97	10.14	9.19	DRY	DRY	DRY	NORM	NORM
2003	0.58	2.60	1.58	1.94	1.31	0.46	1.26	10.52	11.58	9.39	5.94	6.01	NORM	NORM	DRY	DRY	NORM
2004	0.84	0.55	3.00	3.67	2.64	1.80	3.78	10.94	17.56	18.26	14.35	17.58	NORM	NORM	NORM	NORM	WET
2005	0.56	1.55	3.7	4.28	2.2	2.7	0.83	14.76	21.79	18.86	16.78	10.09	NORM	WET	NORM	WET	NORM
2006	0.75	1.12	0.82	2.04	0.31	1.84	2.62	5.45	8.88	5.83	8.18	11.85	DRY	DRY	DRY	NORM	WET
2007	2.94	1.34	2.54	3.09	2.01	4.33	0.73	13.24	15.69	14.75	20.10	12.86	NORM	NORM	NORM	WET	WET
2008	0.59	2.25	4.43	8.18	3.78	1.89	1.36	18.38	35.65	32.13	21.41	11.64	WET	WET	WET	WET	WET
2009	2.59	1.76	1.56	2.70	2.78	2.90	0.70	10.79	12.98	15.30	16.96	10.68	NORM	NORM	NORM	WET	NORM
2010	1.61	1.83	3.86	7.40	2.37	1.46	3.05	16.85	31.75	25.77	16.52	14.44	WET	WET	WET	WET	WET
2011	0.70	2.00	1.96	5.04	1.35	2.25	0.71	10.58	21.04	16.09	14.49	7.98	NORM	WET	NORM	NORM	NORM
2012	0.23	2.68	1.88	2.75	3.73	0.52	0.00	11.23	14.69	18.57	11.77	4.77	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.44	1.08	1.31
April	0.69	1.64	2.02
May	1.71	3.03	3.69
June	1.93	2.98	3.58
July	1.51	2.58	3.13
August	0.68	1.52	1.87
Sept.	0.48	1.29	1.56
Jun-MAM	6.95	13.45	16.42
Jul-JMA	9.90	16.64	20.14
Aug-JJM	10.10	16.73	20.24
Sep-AJJ	6.99	12.70	15.45
Oct-SAJ	4.31	9.49	11.55

Normals are for 1971-2000 data

March	1.08
April	1.64
May	3.03
June	2.98
July	2.58
August	1.52
Sept.	1.29

NOTE:
Dupree NWS Station (SD2429) was used for March-July 1985; May 2008; April, May and July 2012.

Rainfall Data
Eagle Butte
Station #SD2468
Dewey County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.11	0.57	1.16	1.67	0.97	2.20	0.60	4.73	7.90	7.41	10.21	7.17	DRY	DRY	DRY	NORM	NORM
1981	0.34	0.11	3.40	3.43	2.55	2.42	0.93	10.76	17.20	17.91	15.79	10.18	NORM	NORM	NORM	NORM	NORM
1982	4.21	1.27	9.68	2.39	3.74	2.62	0.83	35.79	27.80	25.68	17.73	11.47	WET	WET	WET	WET	NORM
1983	1.55	1.49	3.96	2.10	1.44	2.67	1.11	16.41	15.71	12.48	12.99	10.11	NORM	NORM	NORM	NORM	NORM
1984	2.05	2.64	1.34	5.44	1.88	1.13	0.30	11.35	21.64	17.86	12.59	5.04	NORM	WET	NORM	NORM	DRY
1985	3.26	1.20	1.70	2.74	0.57	2.77	1.66	10.76	12.82	8.89	12.19	11.09	NORM	NORM	DRY	NORM	NORM
1986	0.88	5.01	5.75	3.73	2.74	0.94	2.84	28.15	27.70	21.43	12.03	13.14	WET	WET	WET	NORM	WET
1987	1.76	0.38	5.38	3.55	1.98	4.65	0.56	18.66	21.79	18.42	21.46	12.96	WET	WET	NORM	WET	WET
1988	0.45	1.89	2.82	4.55	0.15	0.80	0.87	12.69	21.18	12.37	7.25	4.36	NORM	NORM	NORM	DRY	DRY
1989	2.04	2.80	0.71	1.02	2.25	1.22	1.95	9.77	7.28	9.50	9.18	10.54	NORM	DRY	DRY	NORM	NORM
1990	0.12	1.39	1.51	4.54	2.02	1.89	1.25	7.43	18.03	16.65	14.25	9.55	DRY	NORM	NORM	NORM	NORM
1991	0.64	2.36	4.75	2.13	3.70	1.76	0.50	19.61	18.25	20.11	14.81	8.72	WET	NORM	NORM	NORM	NORM
1992	0.50	0.64	1.07	4.12	5.09	1.68	0.73	4.99	15.14	24.58	19.34	10.64	DRY	NORM	WET	WET	NORM
1993	1.48	1.01	4.37	5.94	6.04	0.73	0.61	16.61	27.57	34.37	20.21	9.33	NORM	WET	WET	WET	NORM
1994	0.28	1.41	0.68	3.51	2.72	1.07	0.91	5.14	13.30	15.86	12.16	7.59	DRY	NORM	NORM	NORM	NORM
1995	0.84	2.12	4.27	4.34	0.71	1.89	0.66	17.89	23.68	15.08	11.43	6.47	WET	WET	NORM	NORM	NORM
1996	0.30	0.81	5.89	3.32	0.81	1.08	7.69	19.59	22.55	14.96	8.18	26.04	WET	WET	NORM	DRY	WET
1997	0.14	2.70	3.19	1.20	5.56	3.29	0.60	15.11	12.68	22.27	22.19	13.94	NORM	NORM	WET	WET	WET
1998	0.60	1.10	0.97	3.79	0.53	3.24	0.48	5.71	14.41	10.14	14.57	8.45	DRY	NORM	DRY	NORM	NORM
1999	0.21	2.68	3.43	4.79	3.08	2.78	1.85	15.86	23.91	22.25	19.29	14.19	NORM	WET	WET	WET	WET
2000	2.53	4.28	3.26	3.56	1.83	0.65	0.15	20.87	21.48	15.87	9.17	3.58	WET	NORM	NORM	NORM	DRY
2001	0.23	1.86	2.25	2.65	2.48	0.00	0.41	10.70	14.31	14.99	7.61	3.71	NORM	NORM	NORM	DRY	DRY
2002	0.63	0.71	0.83	1.11	2.26	2.04	1.23	4.54	5.70	9.83	11.75	10.03	DRY	DRY	DRY	NORM	NORM
2003	0.87	2.49	2.53	2.10	1.35	0.60	1.72	13.44	13.85	10.78	6.60	7.71	NORM	NORM	NORM	DRY	NORM
2004	1.07	0.35	3.53	3.08	2.24	1.07	4.69	12.36	16.65	16.41	10.77	18.45	NORM	NORM	NORM	NORM	WET
2005	0.83	1.92	3.63	3.09	2.06	1.47	1.23	15.56	18.45	15.99	11.62	8.69	NORM	NORM	NORM	NORM	NORM
2006	1.41	1.36	1.01	0.52	0.63	1.86	3.20	7.16	4.94	3.94	7.36	13.95	DRY	DRY	DRY	DRY	WET
2007	2.14	1.40	2.25	1.88	1.35	4.31	0.10	11.69	11.54	10.06	17.51	10.27	NORM	DRY	DRY	WET	NORM
2008	0.85	2.65	4.89	7.63	3.93	1.09	1.47	20.82	35.32	31.94	18.76	10.52	WET	WET	WET	WET	NORM
2009	3.14	1.63	0.82	6.15	1.93	1.98	0.70	8.86	21.72	18.91	15.95	7.99	NORM	WET	NORM	NORM	NORM
2010	1.83	3.23	3.87	10.50	2.63	2.19	3.00	19.90	42.47	32.76	22.33	16.01	WET	WET	WET	WET	WET
2011	0.68	2.82	3.28	6.22	3.06	2.01	0.62	16.16	28.04	24.90	18.37	8.94	NORM	WET	WET	WET	NORM
2012	0.23	2.68	1.63	2.53	1.55	0.32	0.00	10.48	13.53	11.34	6.59	2.19	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.44	1.25	1.5
April	1.07	1.92	2.34
May	1.82	3.17	3.86
June	2.30	3.24	3.83
July	1.27	2.52	3.08
August	1.23	1.91	2.30
Sept.	0.47	1.20	1.46
Jun-MAM	8.04	14.60	17.76
Jul-JMA	11.61	17.98	21.55
Aug-JJM	10.23	17.21	20.76
Sep-AJJ	8.53	14.01	16.89
Oct-SAJ	5.14	9.94	12.06

Normals are for 1971-2000 data

March	1.25
April	1.92
May	3.17
June	3.24
July	2.52
August	1.91
Sept.	1.20

NOTE:

Dupree 15 SSE NWS Station (SD2446) was used for Sept. 2009; March 2012.

Dupree NWS Station (SD2429) was used for April 2012.

Rainfall Data
Edgemont
Station #SD2557
Fall River County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	2.38	2.16	3.23	2.09	0.97	1.85	0.39	16.39	14.89	10.32	9.58	5.84	WET	NORM	NORM	NORM	NORM
1981	0.66	0.74	3.22	1.73	2.54	1.00	0.16	11.80	12.37	14.30	9.81	5.02	NORM	NORM	NORM	NORM	NORM
1982	1.34	1.00	4.18	4.45	2.20	3.29	2.42	15.88	22.71	19.68	18.72	16.04	WET	WET	WET	WET	WET
1983	0.89	0.75	1.95	4.25	1.05	3.31	0.28	8.24	17.40	13.60	16.28	8.51	DRY	NORM	NORM	WET	NORM
1984	0.77	3.29	3.26	1.88	2.40	1.62	0.47	17.13	15.45	14.22	11.54	7.05	WET	NORM	NORM	NORM	NORM
1985	0.77	3.15	1.05	1.03	1.20	0.50	1.99	10.22	8.34	6.71	4.93	8.17	NORM	DRY	DRY	DRY	NORM
1986	0.52	3.27	1.07	4.87	1.63	1.19	3.52	10.27	20.02	15.70	11.70	14.57	NORM	WET	NORM	NORM	WET
1987	1.35	0.69	2.97	0.59	1.71	1.04	0.76	11.64	8.40	9.28	7.13	6.07	NORM	DRY	NORM	DRY	NORM
1988	1.17	0.63	2.54	2.88	2.18	1.87	0.84	10.05	14.35	14.84	12.85	8.44	NORM	NORM	NORM	NORM	NORM
1989	1.14	1.67	1.41	1.20	2.21	1.46	3.94	8.71	8.09	10.44	10.00	16.95	NORM	DRY	NORM	NORM	WET
1990	1.17	2.31	4.45	1.22	3.84	0.86	2.48	19.14	14.87	18.41	11.48	13.00	WET	NORM	WET	NORM	WET
1991	0.35	1.58	4.91	3.16	0.36	1.52	0.29	18.24	20.88	12.31	8.44	4.27	WET	WET	NORM	NORM	DRY
1992	1.07	0.66	2.49	2.14	3.93	1.72	0.10	9.86	12.06	18.56	15.16	7.67	NORM	NORM	WET	WET	NORM
1993	1.08	1.71	1.98	6.14	2.67	1.82	1.00	10.44	24.09	22.27	16.94	9.31	NORM	WET	WET	WET	NORM
1994	0.73	1.62	1.47	1.22	2.04	0.45	0.32	8.38	8.22	10.03	6.65	3.90	DRY	DRY	NORM	DRY	DRY
1995	0.63	1.36	4.42	3.09	1.07	0.55	3.61	16.61	19.47	13.81	6.88	13.00	WET	WET	NORM	DRY	WET
1996	0.85	3.00	3.68	1.86	0.55	2.72	1.37	17.89	15.94	9.05	11.12	10.10	WET	NORM	NORM	NORM	NORM
1997	0.32	2.52	2.84	3.17	4.61	1.05	0.73	13.88	17.71	23.01	15.54	8.90	NORM	NORM	WET	WET	NORM
1998	2.02	0.27	3.58	3.36	3.38	2.36	2.08	13.30	17.51	20.44	17.20	14.34	NORM	NORM	WET	WET	WET
1999	0.55	3.76	1.17	5.57	0.98	1.96	1.79	11.58	22.81	15.25	13.41	10.27	NORM	WET	NORM	WET	NORM
2000	1.48	4.74	0.78	0.43	2.21	0.49	1.19	13.30	7.59	8.27	6.32	6.76	NORM	DRY	DRY	DRY	NORM
2001	0.83	2.46	1.67	3.22	4.96	1.26	0.33	10.76	15.46	22.99	16.92	8.47	NORM	NORM	WET	WET	NORM
2002	1.42	1.69	1.68	1.23	0.74	2.38	2.47	9.84	8.74	6.36	9.85	12.91	NORM	DRY	DRY	NORM	WET
2003	1.88	1.96	1.95	2.80	0.05	1.89	1.58	11.65	14.26	7.70	8.57	8.57	NORM	NORM	DRY	NORM	NORM
2004	0.91	0.32	0.97	0.89	2.46	0.98	2.39	4.46	4.93	10.13	8.75	11.59	DRY	DRY	NORM	NORM	WET
2005	1.68	2.73	2.66	6.24	2.07	1.91	0.37	15.12	26.77	21.35	16.11	7.00	NORM	WET	WET	WET	NORM
2006	0.93	1.35	2.11	1.35	3.15	1.34	0.91	9.96	9.62	14.26	11.67	8.56	NORM	DRY	NORM	NORM	NORM
2007	1.74	1.09	1.72	0.67	3.50	2.05	0.83	9.08	6.54	13.56	13.82	10.09	NORM	DRY	NORM	WET	NORM
2008	0.74	0.85	4.66	1.92	3.10	1.43	1.00	16.42	15.93	17.80	12.41	8.96	WET	NORM	WET	NORM	NORM
2009	1.68	3.32	0.63	2.11	1.97	0.73	0.76	10.21	10.91	10.76	8.24	5.71	NORM	NORM	NORM	NORM	NORM
2010	0.39	2.52	3.30	3.45	1.63	1.15	0.24	15.33	19.47	15.09	10.16	4.65	NORM	WET	NORM	NORM	DRY
2011	0.44	0.47	4.74	1.30	2.00	1.27	0.74	15.60	13.85	13.34	9.11	6.76	NORM	NORM	NORM	NORM	NORM
2012	0.06	1.30	2.54	1.17	1.60	1.00	0.10	10.28	9.89	9.68	7.37	3.90	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	0.95	1.15
April	1.29	2.11	2.56
May	1.83	2.66	3.17
June	1.58	2.51	3.03
July	1.27	1.95	2.34
August	1.01	1.56	1.88
Sept.	0.51	1.23	1.50
Jun-MAM	8.67	13.15	15.78
Jul-JMA	9.69	14.96	17.99
Aug-JJM	8.80	13.53	16.25
Sep-AJJ	7.15	11.09	13.35
Oct-SAJ	4.82	8.76	10.60

Normals are for 1971-2000 data

March	0.95
April	2.11
May	2.66
June	2.51
July	1.95
August	1.56
Sept.	1.23

NOTE:
Hot Springs NWS Station (SD4007) was used for June 2008.

Rainfall Data
Edgemont 23 NNW
Station #SD2565
Custer County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	2.38	2.16	3.23	2.09	0.97	1.85	0.39	16.39	14.89	10.32	9.58	5.84	WET	NORM	NORM	NORM	NORM
1981	0.66	0.74	3.22	1.73	2.54	1.00	0.16	11.80	12.37	14.30	9.81	5.02	NORM	NORM	NORM	NORM	DRY
1982	1.34	1.00	4.18	4.45	2.20	3.29	2.42	15.88	22.71	19.68	18.72	16.04	WET	WET	WET	WET	WET
1983	0.89	0.75	1.95	4.25	1.05	3.31	0.28	8.24	17.40	13.60	16.28	8.51	NORM	NORM	NORM	WET	NORM
1984	0.77	3.29	3.26	1.88	2.40	1.62	0.47	17.13	15.45	14.22	11.54	7.05	WET	NORM	NORM	NORM	NORM
1985	0.77	3.15	1.05	1.03	1.20	0.50	1.99	10.22	8.34	6.71	4.93	8.17	NORM	DRY	DRY	DRY	NORM
1986	0.52	3.27	1.07	4.87	1.63	1.19	3.52	10.27	20.02	15.70	11.70	14.57	NORM	WET	NORM	NORM	WET
1987	1.35	0.69	2.97	0.59	1.71	1.04	0.76	11.64	8.40	9.28	7.13	6.07	NORM	DRY	DRY	DRY	NORM
1988	1.17	0.63	2.54	2.88	2.18	1.87	0.84	10.05	14.35	14.84	12.85	8.44	NORM	NORM	NORM	NORM	NORM
1989	1.14	1.67	1.41	1.20	2.21	1.46	3.94	8.71	8.09	10.44	10.00	16.95	NORM	DRY	NORM	NORM	WET
1990	1.21	2.94	2.38	1.35	2.51	1.15	1.36	14.23	11.75	12.61	9.82	8.89	WET	NORM	NORM	NORM	NORM
1991	0.24	1.84	6.77	4.03	0.80	1.41	0.22	24.23	27.47	17.23	9.86	4.28	WET	WET	WET	NORM	DRY
1992	1.23	0.98	1.83	4.21	3.97	1.66	0.33	8.68	17.27	22.16	17.13	8.28	NORM	NORM	WET	WET	NORM
1993	0.35	0.59	3.10	6.63	4.18	1.88	1.00	10.83	26.68	28.90	20.63	10.94	NORM	WET	WET	WET	WET
1994	0.70	1.96	1.49	2.39	0.79	0.92	0.17	9.09	12.11	8.64	6.73	3.14	NORM	NORM	DRY	DRY	DRY
1995	0.93	1.32	3.88	4.85	1.69	1.35	1.79	15.21	23.63	18.65	12.28	9.76	WET	WET	WET	NORM	NORM
1996	1.15	2.96	4.30	1.20	1.57	3.71	1.41	19.97	15.16	11.41	15.47	13.22	WET	NORM	NORM	WET	WET
1997	0.29	2.37	1.75	1.89	5.37	0.69	1.82	10.28	11.54	21.64	14.70	12.21	NORM	NORM	WET	NORM	WET
1998	1.93	0.49	2.59	4.69	3.20	2.36	1.24	10.68	19.74	21.57	18.17	11.64	NORM	WET	WET	WET	WET
1999	0.00	2.44	1.93	4.83	0.67	3.93	1.27	10.67	20.79	13.60	17.96	12.34	NORM	WET	NORM	WET	WET
2000	0.47	2.78	1.13	2.37	2.30	0.49	0.78	9.42	12.15	12.77	8.44	5.62	NORM	NORM	NORM	DRY	DRY
2001	0.84	1.98	1.62	3.22	1.87	2.00	0.33	9.66	14.88	13.67	12.96	6.86	NORM	NORM	NORM	NORM	NORM
2002	1.40	1.28	2.96	0.81	1.38	2.38	2.88	12.84	9.63	8.72	10.71	14.78	NORM	DRY	DRY	NORM	WET
2003	1.88	1.43	1.46	4.27	0.61	3.79	1.80	9.12	17.16	11.83	16.86	13.59	NORM	NORM	NORM	WET	WET
2004	0.50	0.85	1.50	2.37	2.47	0.60	1.97	6.70	10.96	13.65	9.11	9.58	DRY	NORM	NORM	NORM	NORM
2005	1.04	2.83	2.66	3.01	1.15	2.42	1.00	14.68	17.18	12.13	12.57	8.99	WET	NORM	NORM	NORM	NORM
2006	0.93	1.42	2.11	0.78	1.33	1.63	0.91	10.10	7.98	7.66	8.33	7.32	NORM	DRY	DRY	DRY	NORM
2007	1.05	1.20	2.34	0.67	3.50	2.05	0.83	10.47	7.89	14.18	13.82	10.09	NORM	DRY	NORM	NORM	NORM
2008	0.74	0.83	4.66	1.97	3.10	3.26	1.00	16.38	16.06	17.90	17.95	12.62	WET	NORM	WET	WET	WET
2009	0.71	3.32	0.63	3.24	2.12	0.73	0.76	9.24	14.30	13.47	9.67	5.86	NORM	NORM	NORM	NORM	NORM
2010	0.39	2.31	3.63	6.25	3.26	0.27	0.63	15.90	28.32	25.91	13.58	5.69	WET	WET	WET	NORM	DRY
2011	1.03	1.38	5.62	1.30	2.00	1.27	0.74	20.65	16.52	14.22	9.11	6.76	WET	NORM	NORM	NORM	NORM
2012	0.06	1.03	1.90	2.65	1.60	0.03	0.03	7.82	12.78	12.00	5.94	1.75	DRY	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.47	0.83	1.02
April	1.05	1.71	2.07
May	1.81	2.48	2.92
June	1.81	2.71	3.25
July	1.44	2.16	2.59
August	1.29	1.79	2.11
Sept.	0.56	1.03	1.26
Jun-MAM	8.00	11.69	13.92
Jul-JMA	10.10	14.80	17.66
Aug-JJM	9.75	14.38	17.19
Sep-AJJ	8.56	12.40	14.76
Oct-SAJ	5.70	8.83	10.59

Normals are for 1971-2000 data

March	0.83
April	1.71
May	2.48
June	2.71
July	2.16
August	1.79
Sept.	1.03

Note:

Edgemont NWS Station (SD2557) was used for March - Sept. 1980-89; Aug. 1998; Aug. 2000; June 2001; Sept. 2001; Aug. 2002; March 2003; May 2005; March 2006; May 2006; Sept. 2006; June - Sept. 2007; March 2008; May 2008; July 2008; Sept. 2008; April - May 2009; Aug. - Sept. 2009; and March 2010; and June - Sept. 2011; March, April, and July 2012.

Rainfall Data
Elm Springs 3 ESE
Station #SD2647
Meade County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.73	1.15	1.15	2.20	0.75	1.12	0.82	6.48	10.05	7.80	7.06	5.45	DRY	NORM	DRY	NORM	NORM
1981	0.11	0.07	1.86	1.91	3.62	1.91	0.98	5.83	9.52	16.54	14.88	10.38	DRY	DRY	NORM	WET	WET
1982	2.59	0.74	11.31	2.58	2.63	3.52	1.32	38.00	31.10	24.36	18.40	13.63	WET	WET	WET	WET	WET
1983	1.61	1.09	2.89	2.16	0.94	2.21	0.34	12.46	13.35	10.03	10.67	6.38	NORM	NORM	NORM	NORM	NORM
1984	0.47	3.31	1.76	3.62	3.88	2.24	1.23	12.37	17.69	20.64	18.10	12.05	NORM	NORM	WET	WET	WET
1985	1.19	0.60	1.30	1.90	0.68	0.69	1.34	6.29	8.90	7.14	5.33	6.08	DRY	DRY	DRY	DRY	NORM
1986	0.93	4.78	2.79	3.14	1.28	1.59	3.91	18.86	19.78	12.91	10.47	16.19	WET	NORM	NORM	NORM	WET
1987	2.18	0.05	4.93	0.79	2.61	3.57	0.37	17.07	12.28	14.34	16.72	10.86	NORM	NORM	NORM	WET	WET
1988	1.36	0.58	3.16	3.64	0.32	1.46	1.13	12.00	17.82	11.40	8.66	6.63	NORM	NORM	NORM	NORM	NORM
1989	1.43	1.56	1.07	0.86	0.65	1.55	2.74	7.76	6.28	4.74	6.81	11.97	DRY	DRY	DRY	NORM	WET
1990	1.14	0.98	2.90	1.55	0.99	1.51	0.97	11.80	11.43	8.97	8.06	6.92	NORM	NORM	NORM	NORM	NORM
1991	0.68	2.27	4.99	4.47	1.45	1.78	0.86	20.19	25.66	18.28	12.71	7.59	WET	WET	WET	NORM	NORM
1992	0.87	0.70	2.20	4.52	2.60	0.63	0.48	8.87	18.66	19.04	11.61	5.30	NORM	NORM	WET	NORM	NORM
1993	0.89	2.62	4.79	3.67	4.03	0.73	1.54	20.50	23.21	24.22	13.92	10.11	WET	WET	WET	WET	NORM
1994	0.17	1.17	0.53	2.84	0.69	1.61	0.43	4.10	10.75	8.28	9.05	5.20	DRY	NORM	DRY	NORM	NORM
1995	1.01	1.86	8.18	4.09	1.79	0.32	0.63	29.27	30.49	21.73	8.63	4.32	WET	WET	WET	NORM	NORM
1996	1.10	1.67	5.41	0.59	1.61	2.07	1.92	20.67	14.26	11.42	10.02	11.51	WET	NORM	NORM	NORM	WET
1997	0.45	3.33	5.77	3.74	4.27	1.39	0.96	24.42	26.09	26.06	16.45	9.93	WET	WET	WET	WET	NORM
1998	2.27	0.56	2.32	5.79	1.21	2.27	1.38	10.35	22.57	17.53	15.02	9.89	NORM	WET	WET	WET	NORM
1999	1.65	3.55	2.13	4.16	2.51	2.54	0.93	15.14	20.29	17.98	16.80	10.38	NORM	WET	WET	WET	WET
2000	2.13	4.57	1.96	2.87	2.81	0.07	0.36	17.15	17.10	16.13	8.70	4.03	NORM	NORM	NORM	NORM	NORM
2001	0.37	1.82	2.61	2.16	3.69	0.45	0.25	11.84	13.52	18.00	10.89	5.34	NORM	NORM	WET	NORM	NORM
2002	1.06	1.74	1.99	0.45	0.87	1.10	1.86	10.51	7.07	5.50	5.49	8.65	NORM	DRY	DRY	DRY	NORM
2003	1.82	2.35	1.54	2.88	1.39	0.15	2.11	11.14	14.07	11.47	6.11	8.02	NORM	NORM	NORM	DRY	NORM
2004	1.35	0.24	4.65	1.42	1.61	1.26	3.45	15.78	13.80	12.32	8.42	14.48	NORM	NORM	NORM	NORM	WET
2005	1.15	1.02	4.86	2.87	1.07	1.55	1.01	17.77	19.35	13.81	9.66	7.20	WET	NORM	NORM	NORM	NORM
2006	1.51	2.31	1.28	0.66	0.63	1.35	3.14	9.97	6.85	4.49	5.97	12.75	NORM	DRY	DRY	DRY	WET
2007	1.48	1.27	2.98	3.48	0.16	1.98	0.27	12.96	17.67	10.42	9.74	4.93	NORM	NORM	NORM	NORM	NORM
2008	0.64	1.31	8.41	4.62	2.25	1.59	0.65	28.49	31.99	24.40	13.89	7.38	WET	WET	WET	WET	NORM
2009	2.50	2.90	1.55	2.27	2.84	2.44	0.20	12.95	12.81	14.61	15.27	8.32	NORM	NORM	NORM	WET	NORM
2010	0.76	2.96	4.92	2.85	1.45	1.43	2.46	21.44	21.35	14.97	10.04	11.69	WET	WET	NORM	NORM	WET
2011	1.12	1.74	6.68	3.11	2.37	2.91	1.02	24.64	24.43	20.01	16.58	11.25	WET	WET	WET	WET	WET
2012	0.07	1.97	1.46	1.58	0.82	0.95	0.02	8.39	9.63	7.08	6.07	2.78	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.49	1.12	1.36
April	0.82	1.79	2.18
May	1.90	3.22	3.90
June	1.66	2.72	3.30
July	1.04	1.90	2.32
August	0.83	1.54	1.88
Sept.	0.39	1.12	1.37
Jun-MAM	7.83	14.36	17.42
Jul-JMA	9.60	16.39	19.88
Aug-JJM	8.34	14.36	17.46
Sep-AJJ	6.23	11.14	13.58
Oct-SAJ	3.87	8.34	10.19

Normals are for 1971-2000 data

March	1.12
April	1.79
May	3.22
June	2.72
July	1.90
August	1.54
Sept.	1.12

NOTE:
Wasta NWS Station (SD8911) was used for April 2008.

Rainfall Data
Eureka
Station #SD2797
McPherson County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.43	0.35	0.64	1.85	2.71	3.62	0.71	3.05	7.18	12.47	18.13	12.08	DRY	DRY	NORM	NORM	NORM
2	1981	1.48	0.38	1.75	3.27	6.13	2.73	1.50	7.49	13.69	26.68	23.72	16.09	NORM	NORM	WET	WET	WET
3	1982	0.87	0.84	3.44	1.31	0.86	0.24	0.76	12.87	11.65	8.64	3.75	3.62	NORM	NORM	DRY	DRY	DRY
4	1983	1.73	1.04	2.12	2.64	4.40	3.58	1.26	10.17	13.20	20.60	22.18	15.34	NORM	NORM	NORM	WET	WET
5	1984	1.33	3.02	1.43	6.12	1.43	0.55	0.67	11.66	24.24	17.96	10.63	4.54	NORM	WET	NORM	NORM	DRY
6	1985	0.63	0.64	2.73	2.23	1.30	2.92	1.92	10.10	12.79	11.09	13.59	12.90	NORM	NORM	NORM	NORM	NORM
7	1986	0.95	5.30	5.43	1.42	3.04	3.06	3.09	27.84	20.42	17.39	16.68	18.43	WET	WET	NORM	NORM	WET
8	1987	1.09	0.07	2.87	1.40	3.95	3.77	0.95	9.84	10.01	17.52	20.61	14.34	NORM	DRY	NORM	WET	WET
9	1988	0.15	0.18	1.49	1.14	0.63	1.64	1.22	4.98	6.58	5.66	7.32	7.57	DRY	DRY	DRY	DRY	NORM
10	1989	1.91	5.30	1.65	1.90	1.16	1.80	0.79	17.46	14.30	8.93	9.62	7.13	WET	NORM	DRY	NORM	NORM
11	1990	0.67	1.90	0.80	5.08	2.94	4.65	2.06	6.87	18.74	19.78	24.91	18.42	DRY	NORM	NORM	WET	WET
12	1991	0.32	2.44	6.61	5.35	1.26	0.81	0.28	25.03	31.71	21.09	10.30	3.72	WET	WET	WET	NORM	DRY
13	1992	0.45	0.61	2.20	4.76	5.33	4.86	1.80	8.27	19.29	27.71	30.00	20.45	NORM	NORM	WET	WET	WET
14	1993	0.20	0.82	3.54	6.50	10.34	4.36	0.99	12.46	27.40	47.56	40.26	22.03	NORM	WET	WET	WET	WET
15	1994	0.42	1.86	1.14	1.92	6.06	2.21	1.05	7.56	9.90	23.16	20.67	13.63	NORM	DRY	WET	WET	NORM
16	1995	1.32	2.10	3.73	5.79	4.23	1.22	1.15	16.71	26.93	28.00	17.91	10.12	WET	WET	WET	NORM	NORM
17	1996	0.51	0.54	4.57	2.79	1.36	1.11	4.24	15.30	18.05	14.23	8.84	16.30	WET	NORM	NORM	NORM	WET
18	1997	0.59	2.80	1.87	4.21	1.33	0.53	0.48	11.80	19.17	14.28	8.46	3.83	NORM	NORM	NORM	DRY	DRY
19	1998	1.07	1.09	1.22	2.55	3.22	4.70	0.68	6.91	11.18	15.98	23.09	14.66	DRY	NORM	NORM	WET	WET
20	1999	0.48	2.08	5.20	3.45	3.17	2.86	4.49	20.24	22.83	21.61	18.37	22.36	WET	WET	WET	NORM	WET
21	2000	1.58	1.24	3.04	4.30	2.92	1.68	0.89	13.18	20.22	20.40	15.18	8.95	NORM	WET	NORM	NORM	NORM
22	2001	0.04	3.41	1.52	4.27	3.43	1.09	2.08	11.42	19.26	20.35	14.40	11.85	NORM	NORM	NORM	NORM	NORM
23	2002	0.53	1.01	1.03	1.13	4.29	2.88	0.79	5.64	6.46	16.16	18.35	12.42	DRY	DRY	NORM	NORM	NORM
24	2003	0.22	2.00	4.59	4.23	1.72	0.34	1.21	17.99	23.87	18.21	8.69	6.03	WET	WET	NORM	DRY	NORM
25	2004	1.62	0.75	3.81	3.51	1.79	2.06	3.78	14.55	18.90	16.20	13.27	17.25	NORM	NORM	NORM	NORM	WET
26	2005	0.17	0.8	3.31	7.21	1.34	2.58	0.69	11.70	29.05	21.75	17.63	8.57	NORM	WET	WET	NORM	NORM
27	2006	0.17	0.93	1.04	0.71	0.72	3.20	1.94	5.15	5.14	4.62	11.75	12.94	DRY	DRY	DRY	NORM	NORM
28	2007	2.47	1.94	5.77	9.16	1.11	3.14	1.38	23.66	40.96	27.42	20.80	11.53	WET	WET	WET	WET	NORM
29	2008	0.71	0.73	1.33	5.73	3.68	2.73	3.74	6.16	20.58	23.83	21.28	20.36	DRY	WET	WET	WET	WET
30	2009	1.82	1.60	1.13	4.31	3.86	1.82	1.46	8.41	16.79	21.33	17.49	11.88	NORM	NORM	WET	NORM	NORM
31	2010	1.59	2.07	5.65	1.51	1.45	0.19	3.51	22.68	17.90	13.02	4.98	12.36	WET	NORM	NORM	DRY	NORM
32	2011	1.29	3.61	2.69	5.83	3.68	2.41	0.11	16.58	26.48	25.39	20.42	8.83	WET	WET	WET	WET	NORM
33	2012	0.03	2.83	2.79	1.81	1.35	1.62	0.01	14.06	13.84	10.46	9.37	4.62	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.48	0.93	1.13
April	0.83	1.79	2.18
May	1.65	2.63	3.17
June	1.97	3.17	3.82
July	1.53	2.78	3.40
August	1.25	2.30	2.81
Sept.	0.64	1.43	1.74
Jun-MAM	7.09	12.40	15.00
Jul-JMA	10.04	16.56	19.98
Aug-JJM	10.18	17.31	21.01
Sep-AJJ	8.78	15.63	19.05
Oct-SAJ	5.95	11.67	14.24

Normals are for 1971-2000 data

March	0.93
April	1.79
May	2.63
June	3.17
July	2.78
August	2.30
Sept.	1.43

NOTE:

Rainfall Data
Faith
Station #SD2852
Meade County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.40	0.89	0.89	2.13	1.65	2.12	0.50	4.85	9.06	10.10	11.79	7.39	DRY	DRY	DRY	NORM	NORM
1981	0.00	0.07	2.34	4.08	3.22	2.00	1.70	7.16	16.99	20.16	16.52	12.32	DRY	NORM	WET	WET	WET
1982	4.43	1.07	7.23	1.19	3.49	2.49	1.58	28.26	19.10	20.08	15.64	13.21	WET	NORM	WET	WET	WET
1983	0.68	0.79	2.17	3.27	1.46	1.33	0.95	8.77	14.94	13.09	10.18	6.97	NORM	NORM	NORM	NORM	NORM
1984	0.50	2.36	2.39	3.71	2.16	2.95	0.68	12.39	18.27	16.29	16.88	10.10	NORM	NORM	NORM	WET	NORM
1985	1.52	0.93	3.00	2.38	0.89	1.11	1.29	12.38	14.07	10.43	7.49	6.98	NORM	NORM	DRY	NORM	NORM
1986	0.92	4.61	4.07	3.23	2.74	0.47	3.21	22.35	22.44	18.75	10.12	13.31	WET	WET	NORM	NORM	WET
1987	2.90	0.14	5.06	0.76	2.08	3.53	0.37	18.36	12.54	12.82	15.51	10.25	WET	NORM	NORM	WET	NORM
1988	1.23	0.43	2.96	1.13	1.62	0.45	0.52	10.97	9.74	10.08	5.72	4.08	NORM	DRY	DRY	DRY	DRY
1989	2.32	3.61	1.19	0.97	2.28	1.24	2.23	13.11	8.90	9.97	9.25	11.45	NORM	DRY	DRY	NORM	WET
1990	0.37	1.34	1.88	2.68	2.28	0.35	0.92	8.69	13.14	14.08	8.29	5.74	NORM	NORM	NORM	NORM	NORM
1991	1.02	2.15	2.54	2.32	1.60	0.79	1.57	12.94	14.19	11.98	7.89	7.89	NORM	NORM	NORM	NORM	NORM
1992	0.64	0.39	1.23	3.60	4.55	1.43	0.76	5.11	13.65	22.08	16.99	9.69	DRY	NORM	WET	WET	NORM
1993	1.83	1.77	3.52	4.55	7.76	0.43	0.80	15.93	22.46	35.90	21.36	11.02	NORM	WET	WET	WET	WET
1994	0.35	1.66	0.67	3.02	4.07	0.62	1.00	5.68	12.06	18.92	13.02	8.31	DRY	NORM	NORM	NORM	NORM
1995	1.12	2.62	4.72	4.18	2.08	2.51	1.32	20.52	24.60	19.32	15.87	11.06	WET	WET	NORM	WET	WET
1996	0.83	1.58	6.79	1.33	0.79	0.99	5.04	24.36	19.15	11.82	5.88	17.89	WET	NORM	NORM	DRY	WET
1997	0.39	4.75	3.40	1.78	4.22	2.87	0.43	20.09	16.89	19.62	18.83	11.25	WET	NORM	NORM	WET	WET
1998	0.88	0.78	1.46	4.00	2.03	1.18	0.08	6.82	15.70	15.55	11.60	4.63	DRY	NORM	NORM	NORM	NORM
1999	1.10	2.61	3.09	4.37	2.93	2.37	0.63	15.59	21.90	20.62	17.34	9.56	NORM	WET	WET	WET	NORM
2000	2.36	4.17	4.53	2.67	2.54	0.11	0.32	24.29	21.24	17.49	8.08	3.72	WET	WET	NORM	NORM	DRY
2001	0.19	1.79	1.74	2.12	5.18	0.00	0.92	8.99	11.63	21.52	12.48	7.94	NORM	NORM	WET	NORM	NORM
2002	0.66	0.49	0.95	2.01	0.83	0.78	1.17	4.49	8.42	7.46	6.01	5.90	DRY	DRY	DRY	DRY	NORM
2003	1.01	1.21	1.82	2.05	0.08	0.26	1.51	8.89	11.00	6.16	2.99	5.13	NORM	NORM	DRY	DRY	NORM
2004	0.83	1.16	3.69	1.52	4.80	1.29	3.68	14.22	13.10	21.13	14.99	18.42	NORM	NORM	WET	WET	WET
2005	0.80	1.72	4.02	3.11	2.46	1.40	0.60	16.30	19.09	17.62	12.23	7.06	NORM	NORM	NORM	NORM	NORM
2006	1.29	1.32	0.63	3.46	0.46	3.20	3.38	5.82	12.96	8.93	13.98	17.00	DRY	NORM	DRY	NORM	WET
2007	1.59	1.54	3.66	2.51	5.38	2.42	0.81	15.65	16.39	24.82	20.53	12.65	NORM	NORM	WET	WET	WET
2008	0.68	1.96	5.12	6.03	4.50	2.12	1.00	19.96	30.29	30.68	21.39	11.74	WET	WET	WET	WET	WET
2009	2.13	1.79	2.22	2.37	3.29	2.84	1.04	12.37	13.34	16.83	17.47	12.09	NORM	NORM	NORM	WET	WET
2010	0.86	2.51	5.43	4.65	1.08	1.03	3.53	22.17	27.32	17.97	9.90	13.73	WET	WET	NORM	NORM	WET
2011	1.45	2.71	4.25	3.19	2.34	2.67	0.43	19.62	20.78	17.65	15.88	8.97	WET	WET	NORM	WET	NORM
2012	0.57	2.68	1.88	3.04	3.73	0.28	0.04	11.57	15.56	19.15	11.34	4.41	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.55	1.15	1.41
April	0.89	1.88	2.30
May	1.94	3.05	3.68
June	1.86	2.81	3.37
July	1.64	2.65	3.20
August	0.67	1.32	1.61
Sept.	0.44	1.23	1.49
Jun-MAM	8.15	14.06	17.05
Jul-JMA	10.35	16.41	19.77
Aug-JJM	10.58	16.62	20.02
Sep-AJJ	7.15	12.07	14.60
Oct-SAJ	4.30	8.98	10.89

Normals are for 1971-2000 data

March	1.15
April	1.88
May	3.05
June	2.81
July	2.65
August	1.32
Sept.	1.23

NOTE:
Dupree 15 SSE NWS Station (SD2446) was used for August 2002; April, May and July 2012.

Rainfall Data
Faulkton 1 NW
Station #SD2927
Faulk County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.39	1.28	0.75	2.53	2.89	4.45	0.57	5.20	10.37	14.48	21.66	13.50	DRY	NORM	NORM	WET	NORM
1981	3.45	0.10	1.21	2.18	3.23	3.43	0.44	7.28	9.06	15.26	18.93	11.41	DRY	DRY	NORM	NORM	NORM
1982	1.00	1.57	4.09	1.41	2.28	0.91	1.62	16.41	13.98	13.75	8.70	8.96	NORM	NORM	NORM	DRY	NORM
1983	2.11	1.33	2.50	4.12	4.31	2.14	2.43	12.27	18.69	23.67	19.16	15.88	NORM	NORM	WET	NORM	NORM
1984	1.46	2.62	2.12	7.00	1.95	0.85	1.25	13.06	27.86	21.97	13.45	7.40	NORM	WET	WET	NORM	NORM
1985	3.91	0.59	1.83	1.26	2.72	4.92	5.41	10.58	8.03	12.51	21.46	28.79	NORM	DRY	NORM	WET	WET
1986	0.76	5.58	2.35	3.64	3.64	2.15	2.15	18.97	21.20	20.55	17.37	14.39	WET	WET	WET	NORM	NORM
1987	2.61	0.25	2.35	0.87	2.39	1.98	0.79	10.16	7.56	11.26	11.59	8.72	NORM	DRY	NORM	NORM	NORM
1988	0.31	1.02	3.41	1.16	1.61	2.25	2.91	12.58	11.32	10.56	11.13	14.84	NORM	NORM	NORM	NORM	NORM
1989	2.69	2.53	1.07	0.83	0.76	2.28	2.81	10.96	7.16	5.01	9.19	13.75	NORM	DRY	DRY	DRY	NORM
1990	0.85	2.59	3.13	4.20	2.87	1.46	1.17	15.42	21.45	20.14	14.32	9.30	NORM	WET	WET	NORM	NORM
1991	0.62	3.67	8.53	3.22	1.29	2.27	1.62	33.55	30.39	18.84	12.61	10.69	WET	WET	NORM	NORM	NORM
1992	0.48	0.34	0.47	4.73	3.39	3.40	1.40	2.57	15.47	20.10	21.71	14.39	DRY	NORM	WET	WET	NORM
1993	1.00	2.32	2.84	4.06	7.39	1.97	1.86	14.16	20.18	33.13	24.75	16.91	NORM	WET	WET	WET	WET
1994	0.40	2.60	0.41	1.19	9.53	2.09	1.54	6.83	6.99	31.38	26.52	18.33	DRY	DRY	WET	WET	WET
1995	2.41	4.70	5.72	3.07	1.98	1.68	0.29	28.97	25.35	17.80	12.07	6.21	WET	WET	NORM	NORM	DRY
1996	0.99	0.16	4.77	1.89	2.27	1.67	7.56	15.62	15.37	15.36	11.44	28.29	NORM	NORM	NORM	NORM	WET
1997	1.12	2.85	2.63	2.49	2.20	1.16	3.97	14.71	15.58	14.21	10.37	16.43	NORM	NORM	NORM	NORM	WET
1998	2.04	1.27	2.80	6.52	1.15	4.83	0.07	12.98	26.43	19.29	23.31	11.02	NORM	WET	NORM	WET	NORM
1999	0.98	2.08	5.33	3.97	0.94	2.61	2.46	21.13	24.65	16.09	13.68	13.54	WET	WET	NORM	NORM	NORM
2000	1.34	3.08	3.71	3.00	1.29	6.64	0.35	18.63	19.50	13.58	25.50	15.62	WET	NORM	NORM	WET	NORM
2001	0.09	4.28	2.45	2.90	2.25	0.45	1.65	16.00	17.88	15.00	8.75	8.10	NORM	NORM	NORM	DRY	NORM
2002	0.74	1.21	1.55	1.91	5.63	4.92	1.06	7.81	10.04	22.26	27.93	18.65	NORM	NORM	WET	WET	WET
2003	0.48	2.13	4.37	3.95	2.21	0.20	0.89	17.85	22.72	18.90	8.97	5.28	WET	WET	NORM	DRY	DRY
2004	2.09	0.77	4.39	3.57	5.85	2.55	3.76	16.80	20.26	29.08	22.92	22.23	NORM	WET	WET	WET	WET
2005	0.19	1.4	2.03	8.68	0.67	1.69	3.79	9.08	31.50	21.40	15.09	15.42	NORM	WET	WET	NORM	NORM
2006	1.07	1.12	0.99	0.75	1.28	3.41	2.76	6.28	5.35	6.33	13.54	16.38	DRY	DRY	DRY	NORM	WET
2007	2.11	3.39	3.53	3.10	0.33	5.15	2.16	19.48	19.75	10.72	19.21	17.11	WET	NORM	NORM	NORM	WET
2008	2.22	1.21	2.74	4.98	6.37	1.75	2.67	12.86	21.63	31.81	22.97	17.88	NORM	WET	WET	WET	WET
2009	1.72	1.14	2.37	4.00	3.03	3.25	1.28	11.11	17.88	19.46	19.81	13.37	NORM	NORM	NORM	WET	NORM
2010	1.67	1.59	5.13	3.34	2.74	1.46	3.78	20.24	21.87	20.03	13.20	17.00	WET	WET	WET	NORM	WET
2011	2.15	2.60	3.56	5.93	2.18	3.41	0.70	18.03	27.51	21.96	20.52	11.10	WET	WET	WET	WET	NORM
2012	0.22	3.93	2.09	2.18	1.21	1.92	0.00	14.35	14.65	10.08	10.36	5.05	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.65	1.49	1.82
April	1.00	2.01	2.46
May	1.61	3.00	3.66
June	1.81	2.85	3.43
July	1.49	2.58	3.14
August	1.73	2.68	3.22
Sept.	0.57	1.73	2.12
Jun-MAM	7.48	14.51	17.72
Jul-JMA	9.65	16.56	20.07
Aug-JJM	9.70	16.44	19.94
Sep-AJJ	9.98	16.05	19.37
Oct-SAJ	6.66	13.13	15.94

Normals are for 1971-2000 data

March	1.49
April	2.01
May	3.00
June	2.85
July	2.58
August	2.68
Sept.	1.73

NOTE:
Orient NWS Station (SD6335) was used for March 2008.

Rainfall Data
Flandreau
Station #SD2984
Moody County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.59	0.51	1.41	3.91	1.88	6.33	0.84	5.84	15.06	14.87	26.66	17.06	DRY	NORM	NORM	WET	NORM
1981	1.41	1.62	0.58	3.28	5.42	5.12	0.83	6.39	12.62	23.40	29.48	18.15	DRY	NORM	NORM	WET	NORM
1982	0.81	1.92	3.88	1.98	5.69	1.72	2.54	16.29	15.62	24.91	18.52	16.75	NORM	NORM	NORM	NORM	NORM
1983	3.49	0.94	2.38	6.52	3.55	3.30	2.27	12.51	25.26	26.07	23.52	16.96	NORM	WET	WET	NORM	NORM
1984	1.91	4.12	3.06	10.05	1.96	0.89	1.23	19.33	40.39	29.04	16.64	7.43	WET	WET	WET	NORM	DRY
1985	1.58	3.95	4.65	1.83	1.35	4.54	4.72	23.43	18.74	12.36	18.15	24.59	WET	NORM	DRY	NORM	WET
1986	0.92	5.55	3.00	3.96	4.13	2.53	9.52	21.02	23.43	23.31	19.81	37.75	WET	NORM	NORM	NORM	WET
1987	3.09	0.34	2.76	1.68	4.48	2.58	2.21	12.05	10.90	19.56	18.38	16.27	NORM	DRY	NORM	NORM	NORM
1988	1.08	2.62	1.64	1.68	0.69	4.31	3.97	11.24	10.94	7.07	15.99	21.22	NORM	DRY	DRY	NORM	WET
1989	1.11	1.32	1.25	3.16	4.66	1.18	4.08	7.50	13.30	21.55	16.02	19.26	DRY	NORM	NORM	NORM	NORM
1990	1.61	1.72	5.30	6.72	2.86	4.82	0.20	20.95	32.48	27.32	26.90	13.10	WET	WET	WET	WET	NORM
1991	0.50	2.71	3.80	5.54	2.76	2.11	2.23	17.32	26.93	23.16	17.39	13.67	NORM	WET	NORM	NORM	NORM
1992	0.76	1.63	0.53	4.76	1.13	4.32	2.28	5.61	16.97	13.44	19.98	16.61	DRY	NORM	NORM	NORM	NORM
1993	0.48	1.53	3.13	9.57	9.36	1.56	2.44	12.93	36.50	50.35	32.97	19.80	NORM	WET	WET	WET	NORM
1994	0.22	2.54	2.07	5.63	1.23	3.95	2.77	11.51	23.57	17.02	19.94	17.44	NORM	NORM	NORM	NORM	NORM
1995	3.93	4.97	4.16	1.08	9.79	3.75	3.19	26.35	16.53	35.69	31.91	26.86	WET	NORM	WET	WET	WET
1996	0.31	0.17	5.14	4.86	1.81	3.04	4.24	16.07	25.03	20.29	17.60	20.61	NORM	WET	NORM	NORM	NORM
1997	0.41	2.44	1.32	3.24	1.97	1.20	1.81	9.25	14.80	13.71	10.78	9.80	NORM	NORM	NORM	DRY	DRY
1998	1.95	2.32	2.05	2.40	2.80	3.90	1.05	12.74	13.62	15.25	19.70	13.75	NORM	NORM	NORM	NORM	NORM
1999	0.94	4.23	2.48	3.97	2.88	3.17	1.75	16.84	21.10	19.06	19.24	14.47	NORM	NORM	NORM	NORM	NORM
2000	1.10	2.65	6.48	2.85	2.71	2.72	1.32	25.84	24.16	20.31	16.43	12.11	WET	WET	NORM	NORM	NORM
2001	1.17	7.84	2.57	5.07	1.65	0.36	2.23	24.56	28.19	17.66	9.45	9.06	WET	WET	NORM	DRY	DRY
2002	2.07	1.52	1.91	3.67	0.74	7.93	0.76	10.84	16.35	11.47	28.94	18.88	NORM	NORM	DRY	WET	NORM
2003	0.33	3.48	2.54	2.44	2.15	2.02	5.30	14.91	15.88	13.87	12.80	22.09	NORM	NORM	NORM	NORM	WET
2004	2.21	1.60	7.15	4.56	5.25	3.46	4.00	26.86	29.58	32.02	25.44	24.17	WET	WET	WET	WET	WET
2005	1.45	2.11	4.71	6.52	6.61	2.09	7.34	19.80	31.09	37.58	26.01	32.81	WET	WET	WET	WET	WET
2006	2.72	2.79	1.20	2.99	0.14	6.23	5.37	11.90	14.16	7.60	21.96	28.71	NORM	NORM	DRY	NORM	WET
2007	2.13	3.40	2.62	4.58	0.24	7.72	2.41	16.79	22.38	12.50	28.22	22.91	NORM	NORM	DRY	WET	WET
2008	1.30	2.85	4.06	3.94	3.89	2.58	1.77	19.18	22.79	23.61	19.46	14.36	WET	NORM	NORM	NORM	NORM
2009	1.76	2.26	1.69	3.58	2.99	3.11	0.94	11.35	16.38	17.82	18.89	12.03	NORM	NORM	NORM	NORM	NORM
2010	0.39	1.61	2.44	7.57	6.29	5.07	10.40	10.93	29.20	36.45	35.36	47.63	NORM	WET	WET	WET	WET
2011	1.08	2.83	6.43	5.19	8.18	2.14	0.27	26.03	31.26	41.35	27.97	13.27	WET	WET	WET	WET	NORM
2012	1.44	2.98	11.00	1.54	0.07	2.10	1.02	40.40	29.60	14.29	7.98	7.33	WET	WET	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.75	1.34	1.64
April	1.27	2.22	2.70
May	1.75	3.00	3.65
June	2.39	3.84	4.64
July	2.02	3.37	4.09
August	1.96	3.06	3.69
Sept.	1.40	2.55	3.11
Jun-MAM	8.54	14.78	17.99
Jul-JMA	11.94	19.74	23.92
Aug-JJM	12.59	20.79	25.20
Sep-AJJ	12.31	19.76	23.89
Oct-SAJ	10.14	17.14	20.80

Normals are for 1971-2000 data

March	1.34
April	2.22
May	3.00
June	3.84
July	3.37
August	3.06
Sept.	2.55

NOTE:
District average was used for July 1996.

Rainfall Data
Forestburg 3 NE
Station #SD3029
Sanborn County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.80	0.93	0.55	5.05	1.41	2.93	0.26	4.31	17.18	14.88	16.66	8.05	DRY	NORM	NORM	NORM	NORM
1981	1.91	1.26	1.00	2.19	2.68	2.16	1.07	7.43	9.83	13.42	14.03	10.21	DRY	DRY	NORM	NORM	NORM
1982	1.09	1.78	6.20	1.48	5.97	2.55	2.20	23.25	18.62	27.07	21.07	17.67	WET	NORM	WET	WET	WET
1983	3.41	2.07	0.69	2.95	3.14	0.61	1.94	9.62	12.30	16.01	11.06	10.18	DRY	NORM	NORM	NORM	NORM
1984	1.27	4.65	2.54	7.32	1.40	2.56	1.18	18.19	31.69	21.38	17.80	10.06	NORM	WET	NORM	NORM	NORM
1985	2.05	2.50	3.90	2.65	2.13	2.89	2.85	18.75	18.25	15.59	15.58	16.46	NORM	NORM	NORM	NORM	WET
1986	1.49	6.56	2.94	4.66	1.56	3.61	5.00	23.43	26.42	16.94	18.61	23.78	WET	WET	NORM	WET	WET
1987	5.68	0.73	1.95	2.66	4.11	1.98	1.65	12.99	12.61	19.60	16.82	13.02	NORM	NORM	NORM	NORM	NORM
1988	0.27	2.14	4.06	0.20	0.93	1.45	4.01	16.73	10.86	7.25	6.41	15.86	NORM	DRY	DRY	DRY	WET
1989	1.23	1.33	2.31	3.34	4.65	1.72	1.27	10.82	15.97	22.94	17.80	11.90	NORM	NORM	WET	NORM	NORM
1990	1.00	0.80	5.64	6.47	2.38	0.98	0.30	19.52	31.49	25.72	14.17	5.24	NORM	WET	WET	NORM	DRY
1991	0.77	4.23	7.29	2.36	1.92	3.25	2.02	31.10	25.89	17.77	15.95	14.48	WET	WET	NORM	NORM	NORM
1992	1.01	2.98	1.64	3.70	4.86	4.08	2.52	11.89	17.36	23.62	25.66	20.58	NORM	NORM	WET	WET	WET
1993	1.40	3.25	3.94	6.49	6.81	1.18	1.29	19.72	30.60	37.35	23.65	13.04	NORM	WET	WET	WET	NORM
1994	0.19	2.75	1.50	4.25	3.36	1.85	1.33	10.19	18.50	20.08	16.52	11.05	NORM	NORM	NORM	NORM	NORM
1995	3.27	5.25	6.02	2.99	2.15	3.84	3.32	31.83	26.26	18.45	18.81	19.79	WET	WET	NORM	WET	WET
1996	0.59	0.86	5.02	2.51	2.72	1.67	3.54	17.37	18.43	18.20	12.96	16.68	NORM	NORM	NORM	NORM	WET
1997	0.14	2.50	3.78	1.01	2.01	1.62	1.35	16.48	13.09	11.83	9.89	9.30	NORM	NORM	NORM	DRY	NORM
1998	1.51	2.52	4.34	4.62	1.87	2.38	0.35	19.57	25.06	19.19	15.50	7.68	NORM	WET	NORM	NORM	DRY
1999	0.49	5.72	2.44	3.77	2.01	2.67	2.96	19.25	21.91	16.01	15.80	16.23	NORM	NORM	NORM	NORM	WET
2000	0.50	3.58	4.55	3.06	2.16	1.96	0.79	21.31	21.86	17.15	13.26	8.45	WET	NORM	NORM	NORM	NORM
2001	0.58	8.02	1.99	3.12	2.01	0.00	2.37	22.59	21.36	14.26	7.14	9.12	WET	NORM	NORM	DRY	NORM
2002	1.00	1.77	3.18	3.70	2.16	4.29	1.27	14.08	19.23	17.06	20.89	14.55	NORM	NORM	NORM	WET	NORM
2003	0.23	3.15	2.35	3.90	1.60	2.52	1.49	13.58	19.55	14.95	14.66	11.11	NORM	NORM	NORM	NORM	NORM
2004	2.48	2.26	7.48	3.73	1.77	1.47	4.78	29.44	28.41	20.25	11.68	19.05	WET	WET	NORM	NORM	WET
2005	0.39	0.67	2.97	5.77	0.99	1.87	5.16	10.64	23.92	17.48	13.36	20.21	NORM	WET	NORM	NORM	WET
2006	0.62	2.75	0.69	2.49	0.84	6.81	3.64	8.19	11.60	8.19	24.60	25.38	DRY	DRY	DRY	WET	WET
2007	1.99	3.00	6.63	3.05	0.10	5.93	2.99	27.88	25.41	13.03	21.04	20.93	WET	WET	NORM	WET	WET
2008	0.98	2.41	2.65	4.31	2.92	0.33	1.15	13.75	20.64	20.03	11.14	7.03	NORM	NORM	NORM	NORM	DRY
2009	1.03	2.91	2.36	2.82	6.12	2.30	1.87	13.93	16.09	26.36	21.96	16.33	NORM	NORM	WET	WET	WET
2010	2.58	2.44	1.93	11.10	6.54	3.19	2.46	13.25	39.60	43.75	33.75	20.30	NORM	WET	WET	WET	WET
2011	0.92	2.42	3.88	3.46	1.13	1.47	0.24	17.40	20.56	14.19	10.13	4.79	NORM	NORM	NORM	DRY	DRY
2012	0.41	4.59	4.43	2.36	0.25	2.24	0.98	22.88	20.53	9.90	9.58	7.67	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.74	1.60	1.95
April	1.68	2.65	3.19
May	1.98	3.38	4.10
June	2.10	3.29	3.97
July	1.85	2.80	3.36
August	1.46	2.12	2.53
Sept.	0.98	1.94	2.37
Jun-MAM	10.04	17.04	20.63
Jul-JMA	11.94	19.28	23.30
Aug-JJM	11.73	18.36	22.12
Sep-AJJ	10.18	15.25	18.28
Oct-SAJ	7.71	12.86	15.53

Normals are for 1971-2000 data

March	1.60
April	2.65
May	3.38
June	3.29
July	2.80
August	2.12
Sept.	1.94

NOTE:
Carthage NWS Station (SD1474) was used for March-June 2011.

Rainfall Data
Ft. Meade
Station #SD3069
Meade County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.23	1.99	2.07	2.60	1.44	1.90	0.15	11.42	13.93	11.59	11.18	5.69	NORM	NORM	NORM	NORM	NORM
1981	0.05	0.30	7.14	2.44	6.17	0.23	2.37	22.07	21.90	30.53	15.47	13.74	NORM	NORM	WET	WET	WET
1982	2.59	1.20	8.73	2.03	1.98	1.68	2.41	31.18	24.75	18.73	11.03	12.57	WET	NORM	NORM	NORM	WET
1983	1.84	2.08	2.19	1.58	1.60	1.41	0.24	12.57	11.20	10.15	9.01	5.14	NORM	DRY	DRY	NORM	NORM
1984	0.76	7.23	1.40	7.92	1.87	2.85	1.05	19.42	33.79	22.85	20.21	10.72	NORM	WET	WET	WET	NORM
1985	1.70	0.67	1.17	1.89	1.13	3.00	1.34	6.55	8.68	8.34	13.15	11.15	DRY	DRY	DRY	NORM	WET
1986	0.72	5.02	2.27	5.59	3.08	0.27	5.98	17.57	26.33	22.69	12.56	21.56	NORM	WET	WET	NORM	WET
1987	2.13	0.42	4.44	0.58	1.76	3.67	0.85	16.29	11.04	10.88	15.11	11.65	NORM	DRY	NORM	NORM	WET
1988	4.22	0.63	3.88	2.97	0.60	2.12	1.06	17.12	17.30	11.62	10.53	8.02	NORM	NORM	NORM	NORM	NORM
1989	1.94	3.70	2.17	1.68	1.79	0.70	1.73	15.85	13.08	10.90	7.36	8.38	NORM	NORM	NORM	DRY	NORM
1990	0.76	2.32	2.17	2.16	1.76	0.95	0.63	11.91	13.14	11.77	8.53	5.55	NORM	NORM	NORM	NORM	NORM
1991	1.31	3.96	6.78	3.86	1.58	1.27	0.69	29.57	29.10	19.24	10.83	6.19	WET	WET	NORM	NORM	NORM
1992	2.16	2.18	1.83	3.88	2.64	1.19	0.54	12.01	17.48	17.51	12.73	6.64	NORM	NORM	NORM	NORM	NORM
1993	0.93	3.79	5.67	5.90	3.75	1.67	1.91	25.52	32.83	28.72	18.41	12.82	WET	WET	WET	WET	WET
1994	0.68	2.66	1.15	0.52	2.04	0.93	0.74	9.45	6.52	8.31	7.39	6.12	DRY	DRY	DRY	DRY	NORM
1995	0.88	2.53	8.50	6.00	2.96	0.50	1.05	31.44	37.53	29.38	13.42	7.11	WET	WET	WET	NORM	NORM
1996	2.02	1.83	9.09	2.88	0.49	1.00	2.10	32.95	28.65	16.32	6.86	8.79	WET	WET	NORM	DRY	NORM
1997	0.48	2.16	4.71	2.55	4.35	0.52	0.87	18.93	19.23	22.86	12.81	8.00	NORM	NORM	WET	NORM	NORM
1998	1.87	0.66	0.92	7.01	3.64	2.56	1.70	5.95	23.53	25.86	21.97	13.86	DRY	NORM	WET	WET	WET
1999	1.94	4.83	2.24	6.59	1.76	2.25	1.39	18.32	29.08	20.70	16.86	10.43	NORM	WET	NORM	WET	NORM
2000	1.86	3.69	4.35	3.17	1.82	1.42	1.25	22.29	21.90	16.15	11.07	8.41	WET	NORM	NORM	NORM	NORM
2001	0.84	2.07	1.51	2.41	4.50	0.31	0.42	9.51	12.32	19.83	12.34	6.38	DRY	NORM	NORM	NORM	NORM
2002	1.40	2.08	2.51	0.69	0.95	1.86	2.78	13.09	9.17	6.74	8.17	13.01	NORM	DRY	DRY	NORM	WET
2003	1.67	2.27	2.80	2.45	1.28	0.44	1.74	14.61	15.22	11.54	6.33	7.38	NORM	NORM	NORM	DRY	NORM
2004	0.73	1.69	1.84	0.98	2.63	1.87	0.82	9.63	8.31	11.69	11.85	8.83	DRY	DRY	NORM	NORM	NORM
2005	0.68	3.22	4.76	3.69	1.29	2.51	0.97	21.40	23.81	16.01	13.80	9.22	NORM	NORM	NORM	NORM	NORM
2006	2.11	4.68	3.58	0.81	0.58	1.61	3.57	22.21	14.27	6.94	6.80	14.51	NORM	NORM	DRY	DRY	WET
2007	1.68	1.78	5.51	3.73	2.98	3.42	0.28	21.77	23.99	21.91	19.95	10.66	NORM	NORM	WET	WET	NORM
2008	1.01	1.42	9.38	6.05	1.73	0.42	0.61	31.99	38.33	26.67	10.77	4.40	WET	WET	WET	NORM	DRY
2009	2.89	2.49	0.81	3.61	2.97	2.82	0.94	10.30	14.94	16.94	18.01	11.43	DRY	NORM	NORM	WET	WET
2010	0.35	3.24	5.28	3.61	1.04	1.43	0.94	22.67	24.63	15.62	9.98	6.72	WET	NORM	NORM	NORM	NORM
2011	1.53	1.80	9.34	3.72	1.19	1.43	0.47	33.15	31.64	20.35	10.39	5.46	WET	WET	NORM	NORM	NORM
2012	0.28	2.21	2.50	1.08	1.05	0.56	0.00	12.20	10.45	7.81	4.86	2.17	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.77	1.50	1.84
April	1.50	2.70	3.29
May	2.26	3.79	4.60
June	2.04	3.71	4.52
July	1.32	2.20	2.67
August	0.93	1.50	1.81
Sept.	0.55	1.31	1.59
Jun-MAM	10.55	18.27	22.22
Jul-JMA	12.14	21.41	26.05
Aug-JJM	10.30	17.81	21.65
Sep-AJJ	7.47	12.61	15.29
Oct-SAJ	4.83	9.13	11.06

Normals are for 1971-2000 data

March	1.50
April	2.70
May	3.79
June	3.71
July	2.20
August	1.50
Sept.	1.31

Rainfall Data
Gann Valley 4 NW
Station #SD3217
Buffalo County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.42	0.23	1.16	4.98	1.34	4.22	0.20	4.36	17.49	15.14	20.32	10.38	DRY	NORM	NORM	WET	NORM
2	1981	2.80	0.29	1.13	1.38	2.71	2.47	0.49	6.77	6.69	12.02	14.21	9.12	DRY	DRY	NORM	NORM	NORM
3	1982	1.74	0.67	5.95	2.26	5.12	2.77	1.61	20.93	19.35	25.83	20.81	15.49	WET	NORM	WET	WET	WET
4	1983	1.51	0.90	2.42	3.84	2.23	1.87	1.79	10.57	17.26	16.79	13.91	11.34	NORM	NORM	NORM	NORM	NORM
5	1984	1.13	3.20	2.08	4.18	1.27	2.39	0.87	13.77	19.90	14.25	13.89	8.66	NORM	NORM	NORM	NORM	NORM
6	1985	2.14	0.80	2.02	3.87	1.87	4.43	2.89	9.80	16.45	15.37	20.90	19.40	NORM	NORM	NORM	WET	WET
7	1986	1.07	4.43	3.70	3.36	1.31	2.95	5.37	21.03	21.91	14.35	14.83	23.32	WET	WET	NORM	NORM	WET
8	1987	2.91	1.23	1.68	1.89	2.57	1.60	0.78	10.41	10.26	13.17	11.83	8.11	NORM	DRY	NORM	NORM	NORM
9	1988	0.63	1.92	6.03	1.82	2.15	0.80	2.32	22.56	19.44	16.12	8.52	10.71	WET	NORM	NORM	DRY	NORM
10	1989	1.71	1.17	0.97	1.82	3.26	1.19	1.01	6.96	8.57	14.39	11.91	8.67	DRY	DRY	NORM	NORM	NORM
11	1990	1.02	1.87	4.61	7.36	2.75	3.45	0.85	18.59	33.17	27.58	23.21	12.20	WET	WET	WET	WET	NORM
12	1991	1.14	3.75	6.09	2.18	0.28	2.71	1.82	26.91	22.47	11.29	10.87	11.16	WET	WET	NORM	NORM	NORM
13	1992	0.84	0.89	1.23	7.05	4.71	2.47	2.39	6.31	24.50	29.46	23.88	16.82	DRY	WET	WET	WET	WET
14	1993	1.13	3.10	4.31	5.33	4.23	0.34	2.12	20.26	27.71	27.66	14.81	11.27	WET	WET	WET	NORM	NORM
15	1994	0.09	2.91	0.21	3.28	2.88	2.95	0.84	6.54	13.17	15.41	17.89	11.30	DRY	NORM	NORM	NORM	NORM
16	1995	2.23	3.80	6.29	1.28	2.00	2.59	3.32	28.70	20.22	14.85	13.05	17.14	WET	NORM	NORM	NORM	WET
17	1996	0.79	0.50	3.75	1.09	2.31	1.14	7.14	13.04	11.27	12.86	9.13	26.01	NORM	NORM	NORM	NORM	WET
18	1997	0.20	2.32	3.26	3.89	4.97	4.09	1.18	14.62	20.51	25.95	26.10	16.69	NORM	NORM	WET	WET	WET
19	1998	1.05	2.42	2.02	5.97	4.03	4.47	0.17	11.95	24.37	26.05	27.44	13.48	NORM	WET	WET	WET	NORM
20	1999	0.23	2.66	4.77	5.32	1.59	3.71	1.66	19.86	28.16	20.18	19.63	13.99	WET	WET	NORM	WET	NORM
21	2000	0.39	1.41	2.18	3.60	1.10	1.34	1.70	9.75	16.57	12.68	9.82	8.88	NORM	NORM	NORM	NORM	NORM
22	2001	0.38	4.32	2.73	3.54	1.29	0.03	2.63	17.21	20.40	13.68	6.21	9.24	NORM	NORM	NORM	DRY	NORM
23	2002	0.60	1.33	1.10	2.05	0.82	4.20	1.35	6.56	9.68	7.66	16.29	13.27	DRY	DRY	DRY	NORM	NORM
24	2003	0.60	1.92	2.23	2.48	1.85	2.58	1.60	11.13	13.82	12.74	13.92	11.81	NORM	NORM	NORM	NORM	NORM
25	2004	2.80	0.55	4.50	3.80	3.57	3.66	5.58	17.40	20.95	22.81	21.92	27.63	WET	NORM	WET	WET	WET
26	2005	0.28	2.32	4.39	7.91	0.47	2.4	2.69	18.09	34.83	21.62	16.05	13.34	WET	WET	WET	NORM	NORM
27	2006	0.63	1.03	0.86	2.59	0.95	3.65	3.05	5.27	10.52	8.89	15.44	17.40	DRY	DRY	DRY	NORM	WET
28	2007	1.79	1.98	8.93	4.82	0.28	3.03	0.96	32.54	34.30	19.41	14.47	9.22	WET	WET	NORM	NORM	NORM
29	2008	0.77	1.12	3.58	9.88	3.05	1.18	2.90	13.75	37.92	32.49	19.52	14.11	NORM	WET	WET	WET	NORM
30	2009	1.77	1.10	1.07	4.68	2.51	2.95	0.51	7.18	17.28	17.96	18.55	9.94	DRY	NORM	NORM	WET	NORM
31	2010	0.89	2.25	3.95	7.33	3.75	3.01	2.69	17.24	32.14	29.86	23.86	17.84	NORM	WET	WET	WET	WET
32	2011	0.46	1.94	5.23	6.57	3.50	2.14	0.20	20.03	32.11	28.87	19.99	8.38	WET	WET	WET	WET	NORM
33	2012	0.79	3.76	1.81	2.39	1.66	0.33	0.39	13.74	14.55	11.57	6.70	3.49	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.47	1.17	1.42
April	1.14	2.00	2.43
May	1.71	3.03	3.69
June	2.06	3.20	3.85
July	1.53	2.58	3.14
August	1.26	2.21	2.69
Sept.	0.69	1.82	2.21
Jun-MAM	7.88	14.26	17.35
Jul-JMA	10.74	17.66	21.36
Aug-JJM	10.42	17.17	20.81
Sep-AJJ	8.90	14.99	18.20
Oct-SAJ	6.12	12.46	15.15

Normals are for 1971-2000 data

March	1.17
April	2.00
May	3.03
June	3.20
July	2.58
August	2.21
Sept.	1.82

Note: Lake Sharpe Project NWS Station (SD0649) was used for July 2005, August 2007, and June - July 2009.
Gann Valley NWS Station (SD3211) replaced Gann Valley 4NW NWS Station (SD3217) beginning August 2009.

Rainfall Data
Gettysburg
Station #SD3294
Potter County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.39	0.49	1.65	3.33	2.28	1.63	0.68	6.32	13.78	15.15	12.78	7.58	DRY	NORM	NORM	NORM	NORM
1981	2.13	0.95	1.82	3.26	3.78	2.56	0.73	9.49	14.37	19.68	18.50	11.09	NORM	NORM	NORM	WET	NORM
1982	1.13	1.02	5.47	2.51	2.06	0.32	0.73	19.58	19.49	16.67	7.59	4.89	WET	NORM	NORM	DRY	DRY
1983	1.93	1.15	4.17	3.05	4.17	4.43	1.56	16.74	18.64	22.78	24.68	17.71	WET	NORM	WET	WET	WET
1984	1.59	2.95	1.85	4.85	3.02	1.60	0.51	13.04	21.20	20.61	15.69	7.75	NORM	WET	WET	NORM	NORM
1985	2.04	0.74	0.80	1.32	1.46	3.00	2.28	5.92	6.30	7.82	13.24	14.30	DRY	DRY	DRY	NORM	WET
1986	0.97	5.92	5.30	2.60	2.83	2.05	1.73	28.71	24.32	18.99	14.41	12.12	WET	WET	NORM	NORM	NORM
1987	2.15	0.08	2.19	1.64	4.58	2.38	0.53	8.88	9.38	19.21	17.94	10.93	NORM	DRY	NORM	WET	NORM
1988	0.34	1.18	4.42	1.22	1.28	2.98	0.55	15.96	13.68	10.70	12.72	8.89	NORM	NORM	DRY	NORM	NORM
1989	2.07	4.54	0.44	1.33	2.01	2.31	2.62	12.47	9.41	9.13	12.28	14.49	NORM	DRY	DRY	NORM	WET
1990	1.74	2.40	2.93	5.01	1.78	1.87	1.27	15.33	23.29	18.29	14.18	9.33	NORM	WET	NORM	NORM	NORM
1991	0.32	2.42	4.40	6.16	1.63	1.39	1.63	18.36	29.70	21.61	13.59	9.30	WET	WET	WET	NORM	NORM
1992	0.26	0.22	0.71	5.07	5.89	3.67	1.29	2.83	16.85	28.52	27.86	17.10	DRY	NORM	WET	WET	WET
1993	0.25	0.95	1.40	4.70	3.40	0.50	1.21	6.35	17.85	21.00	13.00	8.03	DRY	NORM	WET	NORM	NORM
1994	0.00	1.18	1.08	1.65	7.00	1.48	2.23	5.60	8.29	25.38	20.09	16.65	DRY	DRY	WET	WET	WET
1995	1.31	3.17	3.35	4.59	1.98	1.91	1.31	17.70	23.64	18.47	14.28	9.73	WET	WET	NORM	NORM	NORM
1996	0.69	0.64	5.36	1.77	2.37	1.90	6.25	18.05	16.67	16.01	12.21	24.92	WET	NORM	NORM	NORM	WET
1997	0.07	3.01	2.54	3.88	4.29	1.41	1.41	13.71	19.73	23.17	16.69	11.34	NORM	NORM	WET	NORM	NORM
1998	1.08	1.45	2.93	4.01	1.16	2.83	0.08	12.77	19.34	14.43	14.82	7.06	NORM	NORM	NORM	NORM	NORM
1999	1.07	1.83	4.32	4.80	2.49	3.52	3.29	17.69	24.87	21.39	20.34	19.40	WET	WET	WET	WET	WET
2000	1.84	2.28	3.20	2.98	2.26	0.77	0.31	16.00	17.62	15.94	9.81	4.73	NORM	NORM	NORM	NORM	DRY
2001	0.06	3.66	3.26	1.48	4.47	1.70	1.06	17.16	14.62	19.63	15.52	11.05	WET	NORM	NORM	NORM	NORM
2002	0.95	0.88	1.14	1.49	1.61	3.09	1.80	6.13	7.63	8.95	13.98	13.19	DRY	DRY	DRY	NORM	NORM
2003	0.49	2.14	1.83	3.57	1.99	1.31	2.00	10.26	16.51	14.94	11.48	10.61	NORM	NORM	NORM	NORM	NORM
2004	2.53	1.74	3.67	4.25	4.79	1.56	3.07	17.02	21.83	26.54	18.51	17.12	WET	WET	WET	WET	WET
2005	0.47	1.43	0.68	5.17	0.60	0.77	2.28	5.37	18.30	12.82	8.68	8.98	DRY	NORM	NORM	DRY	NORM
2006	0.32	1.25	1.10	1.21	1.40	5.56	2.89	6.12	7.08	7.72	20.69	21.19	DRY	DRY	DRY	WET	WET
2007	2.16	1.33	3.69	6.92	1.47	5.20	2.27	15.89	29.47	21.94	25.46	18.68	NORM	WET	WET	WET	WET
2008	0.62	0.66	1.80	5.78	5.45	2.78	2.47	7.34	21.60	29.71	25.02	18.42	DRY	WET	WET	WET	WET
2009	0.87	1.39	2.07	2.25	3.01	3.82	0.75	9.86	12.28	15.60	19.73	12.90	NORM	NORM	NORM	WET	NORM
2010	1.49	2.06	3.73	2.91	1.75	0.47	2.60	16.80	18.25	14.80	7.82	10.49	WET	NORM	NORM	DRY	NORM
2011	0.85	1.96	1.85	6.26	3.48	1.74	0.70	10.32	24.44	24.81	18.44	9.06	NORM	WET	WET	WET	NORM
2012	0.10	3.20	2.92	2.11	1.70	0.95	0.02	15.26	15.37	12.24	8.36	3.66	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.51	1.20	1.47
April	1.00	1.93	2.36
May	1.68	2.86	3.47
June	2.06	3.07	3.67
July	1.70	2.64	3.18
August	1.30	2.15	2.61
Sept.	0.54	1.37	1.66
Jun-MAM	7.55	13.64	16.60
Jul-JMA	10.54	16.86	20.31
Aug-JJM	10.90	16.92	20.35
Sep-AJJ	9.36	14.80	17.86
Oct-SAJ	5.92	11.05	13.38

Normals are for 1971-2000 data

March	1.20
April	1.93
May	2.86
June	3.07
July	2.64
August	2.15
Sept.	1.37

NOTE:
Onida 4 NW NWS Station (SD6292) was used for March 1981; Sept. 2002; April 2003; and March and April 2005; Sept. 2012.

Rainfall Data
Glad Valley 2 W
Station #SD3316
Ziebach County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.06	1.22	0.68	1.07	0.51	2.66	0.41	4.54	5.79	4.35	10.07	7.06	DRY	DRY	DRY	NORM	NORM
1981	0.12	0.12	1.74	2.77	2.37	3.16	1.78	5.58	11.91	14.39	16.99	14.03	DRY	NORM	NORM	WET	WET
1982	2.14	0.74	7.34	1.25	1.69	0.44	0.83	25.64	19.17	14.91	5.95	5.06	WET	NORM	NORM	DRY	NORM
1983	1.11	0.80	3.93	1.78	2.35	2.32	0.27	14.50	14.00	14.54	13.44	7.80	NORM	NORM	NORM	NORM	NORM
1984	0.42	2.36	1.12	4.24	0.51	0.40	0.86	8.50	17.32	11.13	6.46	3.89	NORM	NORM	NORM	DRY	DRY
1985	2.25	2.08	2.29	2.57	1.65	2.98	1.90	13.28	14.37	12.38	14.81	13.31	NORM	NORM	NORM	WET	WET
1986	0.81	5.02	5.32	1.82	4.58	1.10	2.23	26.81	21.12	22.70	14.28	13.47	WET	WET	WET	NORM	WET
1987	1.98	0.29	5.37	1.41	7.37	2.13	0.94	18.67	15.26	30.30	22.54	14.45	WET	NORM	WET	WET	WET
1988	0.05	0.66	1.19	1.67	0.10	0.52	0.41	4.94	8.05	4.83	3.43	2.37	DRY	DRY	DRY	DRY	DRY
1989	1.82	3.84	0.55	1.60	1.59	0.91	1.24	11.15	9.74	8.52	7.51	7.13	NORM	DRY	DRY	NORM	NORM
1990	0.34	1.26	1.26	2.80	1.87	0.32	1.09	6.64	12.18	12.47	7.50	5.78	DRY	NORM	NORM	NORM	NORM
1991	0.78	1.95	3.96	1.38	0.55	0.93	0.67	16.56	14.01	8.37	5.27	4.42	NORM	NORM	DRY	DRY	DRY
1992	0.44	0.57	1.67	3.48	3.89	1.06	0.28	6.59	14.35	20.30	14.44	6.85	DRY	NORM	WET	NORM	NORM
1993	0.76	1.07	1.56	6.54	7.60	0.62	0.52	7.58	23.81	37.44	23.60	10.40	DRY	WET	WET	WET	NORM
1994	0.92	1.55	0.31	5.35	3.00	0.61	1.00	4.95	18.22	20.01	13.18	7.22	DRY	NORM	WET	NORM	NORM
1995	1.58	2.48	4.20	3.92	1.56	1.35	0.70	19.14	22.64	16.72	11.09	6.36	WET	WET	NORM	NORM	NORM
1996	1.62	1.71	7.65	1.93	1.09	1.31	5.77	27.99	22.80	14.78	8.04	21.02	WET	WET	NORM	NORM	WET
1997	0.74	3.59	2.09	3.72	3.98	1.94	0.34	14.19	18.93	21.47	17.50	8.88	NORM	NORM	WET	WET	NORM
1998	0.60	1.06	0.87	3.94	1.49	2.31	0.77	5.33	14.62	13.22	13.85	8.42	DRY	NORM	NORM	NORM	NORM
1999	0.61	2.15	4.18	4.89	1.46	3.25	1.12	17.45	25.18	18.34	17.56	11.32	NORM	WET	NORM	WET	WET
2000	2.38	3.28	3.84	2.32	2.39	0.50	0.60	20.46	17.92	15.65	8.60	5.19	WET	NORM	NORM	NORM	NORM
2001	0.86	2.27	2.14	2.33	5.64	0.07	1.05	11.82	13.54	23.72	13.82	8.93	NORM	NORM	WET	NORM	NORM
2002	0.17	0.63	0.79	0.58	2.02	1.07	0.64	3.80	3.95	8.01	7.83	6.08	DRY	DRY	DRY	NORM	NORM
2003	2.27	2.08	2.34	2.54	2.16	0.58	1.63	13.45	14.38	13.90	8.60	8.21	NORM	NORM	NORM	NORM	NORM
2004	1.26	0.51	1.49	2.12	4.50	1.73	2.46	6.75	9.85	19.23	16.31	15.34	DRY	DRY	NORM	WET	WET
2005	1.00	1.16	2.75	5.93	1.16	1.32	0.49	11.57	24.45	18.09	12.21	5.27	NORM	WET	NORM	NORM	NORM
2006	0.93	1.06	0.50	1.10	0.88	1.87	3.23	4.55	5.36	5.34	8.47	14.31	DRY	DRY	DRY	NORM	WET
2007	1.89	1.74	3.03	3.68	1.08	2.10	1.01	14.46	18.84	13.63	12.14	8.31	NORM	NORM	NORM	NORM	NORM
2008	0.83	2.15	4.75	6.16	1.58	2.61	1.92	19.38	30.13	21.81	17.15	12.56	WET	WET	WET	WET	WET
2009	2.64	1.82	1.95	3.01	3.14	1.84	2.69	12.13	14.75	17.39	14.81	14.89	NORM	NORM	NORM	WET	WET
2010	0.98	2.09	4.16	1.32	2.50	3.67	3.18	17.64	14.37	14.30	17.33	19.38	WET	NORM	NORM	WET	WET
2011	1.25	2.13	3.58	3.64	3.02	2.56	0.28	16.25	20.21	19.92	17.36	8.98	NORM	NORM	WET	WET	NORM
2012	0.66	2.30	2.30	2.62	3.44	0.52	0.02	12.16	14.76	17.86	11.06	4.54	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.49	1.03	1.29
April	1.05	2.00	2.44
May	1.75	3.13	3.81
June	2.02	2.91	3.47
July	1.33	2.48	3.02
August	0.77	1.43	1.75
Sept.	0.56	1.20	1.46
Jun-MAM	7.84	14.42	17.60
Jul-JMA	10.61	16.99	20.47
Aug-JJM	9.78	16.39	19.81
Sep-AJJ	6.99	12.16	14.76
Oct-SAJ	4.55	8.94	10.90

Normals are for 1971-2000 data

March	1.03
April	2.00
May	3.13
June	2.91
July	2.48
August	1.43
Sept.	1.20

NOTE:

Usta 8 WNW Kelly Ranch NWS Station (SD8528) was used for July and Sept. 1980; March-Sept. 1984; April 1988.

Isabel NWS Station (SD4268) was used for August 2005; March and August 2008.

Isabel 14 NNE NWS Station (SD4271) was used for May and July 2012.

Rainfall Data
Gregory
Station #SD3452
Gregory County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.30	0.72	2.66	4.05	1.96	4.43	0.18	9.72	18.19	16.64	21.26	11.36	DRY	NORM	NORM	NORM	NORM
1981	1.80	1.26	3.97	3.17	8.65	2.58	0.30	16.23	18.71	36.26	28.21	14.71	NORM	NORM	WET	WET	NORM
1982	2.03	1.72	7.72	3.38	3.35	2.49	3.66	28.63	27.30	24.53	17.55	19.31	WET	WET	NORM	NORM	WET
1983	3.95	2.21	3.85	6.95	2.76	1.95	0.85	19.92	30.76	26.03	18.32	9.21	NORM	WET	WET	NORM	NORM
1984	1.55	5.54	3.45	3.15	3.91	3.25	1.55	22.98	21.89	21.48	20.72	15.06	NORM	NORM	NORM	NORM	NORM
1985	1.80	1.98	1.00	2.90	2.65	5.50	5.85	8.76	12.68	14.75	24.70	31.20	DRY	DRY	NORM	WET	WET
1986	1.92	3.74	4.67	5.88	3.28	1.07	8.45	23.41	30.72	26.27	15.65	30.77	NORM	WET	WET	NORM	WET
1987	6.65	2.45	2.60	2.50	3.40	6.11	2.81	19.35	15.15	17.80	27.63	24.05	NORM	DRY	NORM	WET	WET
1988	1.50	3.06	6.38	2.12	2.24	4.15	4.51	26.76	22.18	17.34	19.05	24.07	WET	NORM	NORM	NORM	WET
1989	1.11	1.17	0.87	2.34	3.21	0.85	3.00	6.06	9.93	15.18	11.31	13.91	DRY	DRY	NORM	DRY	NORM
1990	2.06	4.42	5.20	3.55	4.10	4.60	0.30	26.50	25.47	24.60	25.55	14.20	WET	NORM	NORM	WET	NORM
1991	1.70	3.37	6.95	2.15	0.85	1.85	0.50	29.29	23.72	13.80	9.40	6.05	WET	NORM	DRY	DRY	DRY
1992	2.85	1.48	0.70	3.50	7.07	3.40	2.00	7.91	13.38	28.91	27.84	19.87	DRY	DRY	WET	WET	WET
1993	0.85	4.45	2.62	5.50	3.05	2.30	3.10	17.61	26.19	22.77	18.50	16.95	NORM	WET	NORM	NORM	NORM
1994	0.15	2.53	1.81	4.80	3.58	2.32	2.42	10.64	20.55	22.15	18.92	15.48	DRY	NORM	NORM	NORM	NORM
1995	3.01	6.80	6.95	2.52	2.08	1.55	3.36	37.46	28.26	18.23	11.33	15.26	WET	WET	NORM	DRY	NORM
1996	0.82	1.55	7.24	1.93	2.77	1.00	3.16	25.64	21.82	19.41	10.47	14.25	WET	NORM	NORM	DRY	NORM
1997	0.40	3.20	1.87	4.69	4.63	1.28	1.87	12.41	21.01	25.14	17.79	12.80	NORM	NORM	NORM	NORM	NORM
1998	1.96	2.44	4.04	7.43	5.60	3.85	0.62	18.96	32.81	35.70	30.18	15.16	NORM	WET	WET	WET	NORM
1999	0.70	5.37	6.18	5.96	2.91	0.79	4.11	29.98	35.61	26.83	14.15	16.82	WET	WET	WET	NORM	NORM
2000	0.28	1.58	4.74	3.12	0.55	0.62	0.25	17.66	20.42	12.63	6.08	2.54	NORM	NORM	DRY	DRY	DRY
2001	0.13	8.18	4.09	2.78	3.70	2.16	2.95	28.76	24.70	20.75	16.66	16.87	WET	NORM	NORM	NORM	NORM
2002	0.74	1.85	2.67	1.35	0.58	3.13	1.54	12.45	11.24	7.11	11.90	11.46	NORM	DRY	DRY	NORM	NORM
2003	0.59	3.03	5.24	4.33	1.16	3.46	0.98	22.37	26.50	17.38	17.03	11.02	NORM	WET	NORM	NORM	NORM
2004	2.39	1.16	3.88	3.97	2.11	0.80	5.89	16.35	20.83	18.15	10.59	21.38	NORM	NORM	NORM	DRY	WET
2005	0.77	3.64	4.28	12.05	0.47	0.65	2.26	20.89	48.35	29.79	14.94	8.55	NORM	WET	WET	NORM	NORM
2006	1.24	0.94	0.81	3.12	0.45	2.69	3.58	5.55	11.92	8.40	12.09	16.57	DRY	DRY	DRY	NORM	NORM
2007	2.22	3.48	6.28	3.45	0.48	5.47	1.41	28.02	26.39	14.62	20.82	15.65	WET	WET	DRY	NORM	NORM
2008	1.00	2.09	3.82	6.77	2.81	3.19	1.54	16.64	30.04	25.79	21.96	13.81	NORM	WET	WET	WET	NORM
2009	1.67	1.72	2.10	4.75	3.96	6.89	0.47	11.41	20.17	23.48	33.34	19.15	DRY	NORM	NORM	WET	NORM
2010	1.60	3.33	4.46	9.87	4.82	1.40	2.39	21.64	41.86	38.66	23.71	14.79	NORM	WET	WET	WET	NORM
2011	1.45	2.55	4.02	5.83	2.51	4.42	0.47	18.61	28.08	23.21	24.11	12.76	NORM	WET	NORM	WET	NORM
2012	1.18	2.91	1.69	1.21	1.58	0.86	0.35	12.07	9.92	8.85	6.95	4.35	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.82	1.88	2.30
April	1.93	2.89	3.46
May	2.44	3.93	4.74
June	2.80	3.75	4.38
July	2.23	3.37	4.04
August	1.36	2.41	2.94
Sept.	0.96	2.58	3.12
Jun-MAM	12.00	19.45	23.44
Jul-JMA	15.21	22.00	26.08
Aug-JJM	14.73	21.54	25.62
Sep-AJJ	11.34	17.72	21.28
Oct-SAJ	7.83	15.93	19.28

Normals are for 1971-2000 data

March	1.88
April	2.89
May	3.93
June	3.75
July	3.37
August	2.41
Sept.	2.58

NOTE:
Bonesteel NWS Station (SD0778) was used for Sept 1983 and March 1998.

Rainfall Data
Harding 3 SE
Station #SD3560
Harding County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.00	0.34	1.02	1.42	0.10	2.81	0.34	4.74	6.64	4.16	10.05	6.74	DRY	DRY	DRY	NORM	NORM
1981	0.00	0.13	2.09	3.07	2.96	0.89	0.87	6.53	13.52	17.11	11.66	7.35	DRY	NORM	NORM	NORM	NORM
1982	2.44	1.58	6.83	3.25	1.77	1.69	0.92	26.09	24.99	18.64	11.86	7.91	WET	WET	WET	NORM	NORM
1983	1.17	0.71	2.14	0.97	2.03	2.56	0.57	9.01	7.90	10.17	12.71	8.86	NORM	DRY	NORM	NORM	NORM
1984	0.26	5.30	1.42	3.79	0.27	2.15	1.86	15.12	19.51	9.81	10.78	10.15	NORM	NORM	NORM	NORM	WET
1985	1.40	0.24	1.29	1.86	0.91	0.97	1.06	5.75	8.40	7.74	6.59	6.03	DRY	DRY	DRY	NORM	NORM
1986	0.59	2.74	2.59	2.98	1.92	0.61	4.06	13.84	16.86	14.31	8.65	15.32	NORM	NORM	NORM	NORM	WET
1987	0.82	0.20	3.35	1.15	2.34	1.55	2.08	11.27	10.35	12.67	10.48	11.68	NORM	NORM	NORM	NORM	WET
1988	0.52	0.42	2.06	2.45	0.26	0.26	1.04	7.54	11.89	7.74	3.75	3.90	NORM	NORM	DRY	DRY	NORM
1989	1.53	4.66	1.49	1.78	3.40	0.35	1.01	15.32	12.98	15.25	9.63	7.13	NORM	NORM	NORM	NORM	NORM
1990	0.27	2.68	1.63	1.45	1.85	0.62	0.37	10.52	10.29	10.08	7.01	4.20	NORM	NORM	NORM	NORM	NORM
1991	0.29	4.42	5.30	1.46	1.52	0.28	1.23	25.03	19.40	12.78	5.34	5.77	WET	NORM	NORM	DRY	NORM
1992	0.44	1.73	1.62	2.89	3.86	0.99	0.48	8.76	13.64	18.98	13.58	7.28	NORM	NORM	WET	WET	NORM
1993	1.09	1.41	2.21	4.71	5.56	1.38	0.00	10.54	19.96	28.31	19.97	8.32	NORM	WET	WET	WET	NORM
1994	0.27	1.20	0.55	0.65	2.81	0.12	1.02	4.32	4.25	10.28	6.63	6.11	DRY	DRY	NORM	NORM	NORM
1995	0.97	1.99	6.85	2.33	2.97	2.11	0.20	25.50	22.68	20.42	14.60	7.79	WET	WET	WET	WET	NORM
1996	1.62	2.76	6.03	2.74	0.61	1.38	1.36	25.23	23.04	13.34	8.10	7.45	WET	WET	NORM	NORM	NORM
1997	0.08	2.94	2.40	3.61	2.39	1.88	0.42	13.16	18.57	16.79	14.03	7.41	NORM	NORM	NORM	WET	NORM
1998	1.49	0.31	1.99	5.00	2.09	3.67	0.80	8.08	19.29	18.26	20.19	11.83	NORM	NORM	WET	WET	WET
1999	0.76	2.84	3.13	3.95	1.02	1.69	0.75	15.83	20.95	14.09	11.06	6.65	NORM	WET	NORM	NORM	NORM
2000	0.75	2.02	3.03	2.35	2.21	0.28	0.69	13.88	15.13	14.36	7.61	4.84	NORM	NORM	NORM	NORM	NORM
2001	1.31	1.94	0.73	4.71	5.40	0.31	0.66	7.38	17.53	26.35	16.44	8.00	DRY	NORM	WET	WET	NORM
2002	0.19	0.69	1.08	2.34	1.97	2.56	0.92	4.81	9.87	11.67	13.96	9.85	DRY	DRY	NORM	WET	WET
2003	2.34	0.92	1.66	2.87	0.99	0.59	2.81	9.16	12.85	10.37	6.62	10.60	NORM	NORM	NORM	NORM	WET
2004	1.11	0.53	3.16	0.21	2.68	2.97	1.33	11.65	7.48	11.62	14.48	12.61	NORM	DRY	NORM	WET	WET
2005	0.03	0.87	2.43	1.69	0.84	1.66	1	9.06	10.80	8.33	8.35	7.16	NORM	NORM	DRY	NORM	NORM
2006	0.60	4.66	1.57	1.51	0.80	1.57	2.61	14.63	12.33	6.99	7.82	11.77	NORM	NORM	DRY	NORM	WET
2007	1.83	1.47	4.73	2.25	0.40	3.12	0.22	18.96	17.68	10.43	12.41	7.30	WET	NORM	NORM	NORM	NORM
2008	0.33	1.70	7.05	6.18	2.06	1.65	0.44	24.88	34.34	25.59	15.25	6.68	WET	WET	WET	WET	NORM
2009	1.03	0.88	1.14	2.62	3.40	1.64	0.87	6.21	11.02	16.58	14.34	9.29	DRY	NORM	NORM	WET	NORM
2010	0.18	0.80	3.57	3.64	3.03	0.72	2.02	12.49	18.86	19.94	11.86	10.53	NORM	NORM	WET	NORM	WET
2011	0.52	2.07	6.69	2.28	4.02	3.44	0.20	24.73	22.29	23.31	20.64	11.50	WET	WET	WET	WET	WET
2012	0.00	1.34	1.75	1.01	4.52	1.51	0.00	7.93	7.87	17.33	14.58	7.54	NORM	DRY	NORM	WET	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.41	0.87	1.08
April	0.89	1.90	2.31
May	1.74	2.82	3.41
June	1.96	2.96	3.54
July	1.04	2.09	2.56
August	0.69	1.31	1.60
Sept.	0.48	1.03	1.26
Jun-MAM	7.41	13.13	15.93
Jul-JMA	10.25	16.42	19.75
Aug-JJM	8.78	15.01	18.17
Sep-AJJ	6.11	11.07	13.46
Oct-SAJ	3.86	7.80	9.54

Normals are for 1971-2000 data

March	0.87
April	1.90
May	2.82
June	2.96
July	2.09
August	1.31
Sept.	1.03

NOTE:

Redig 11 NE NWS Station (SD7062) was used for August 2002.

Camp Crook NWS Station (SD1294) was used for April and May 2012.

Rainfall Data
Harrington
Station #SD3574
Bennett County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	1.26	1.01	1.75	2.41	1.05	2.38	0.70	8.53	11.74	9.72	11.65	7.91	DRY	DRY	DRY	NORM	NORM
2	1981	0.67	1.10	2.68	3.42	4.23	3.77	0.85	10.91	16.72	22.21	23.19	14.32	NORM	NORM	WET	WET	WET
3	1982	1.70	0.75	7.25	2.83	2.93	1.98	1.63	24.95	23.74	21.70	14.63	11.78	WET	WET	NORM	NORM	NORM
4	1983	1.67	2.86	4.80	3.30	3.75	1.69	0.73	21.79	22.36	22.65	15.87	9.32	WET	NORM	WET	NORM	NORM
5	1984	1.24	2.60	2.46	3.21	4.10	0.27	0.74	13.82	17.15	21.18	12.22	6.86	NORM	NORM	NORM	NORM	NORM
6	1985	1.07	1.53	0.48	1.57	3.84	2.35	2.24	5.57	7.20	15.14	16.30	15.26	DRY	DRY	NORM	NORM	WET
7	1986	2.25	4.75	2.47	5.02	2.93	1.96	2.30	19.16	24.75	21.30	16.76	13.75	NORM	WET	NORM	NORM	WET
8	1987	3.02	0.53	4.18	2.68	3.32	1.96	1.11	16.62	16.93	19.50	15.20	10.57	NORM	NORM	NORM	NORM	NORM
9	1988	1.14	1.08	5.31	4.76	1.17	0.39	1.22	19.23	25.98	18.34	8.27	5.61	NORM	WET	NORM	DRY	DRY
10	1989	1.54	1.18	1.08	0.84	1.11	1.06	2.95	7.14	5.86	6.09	6.24	12.08	DRY	DRY	DRY	DRY	NORM
11	1990	1.93	0.66	5.20	2.87	4.40	1.19	0.42	18.85	19.67	24.14	15.24	8.04	NORM	NORM	WET	NORM	NORM
12	1991	1.06	2.61	8.00	3.31	1.89	2.51	0.95	30.28	28.54	20.29	14.62	9.76	WET	WET	NORM	NORM	NORM
13	1992	1.68	0.48	1.68	3.15	3.88	2.20	1.20	7.68	13.29	19.62	17.51	11.88	DRY	NORM	NORM	WET	NORM
14	1993	0.52	3.36	2.25	5.91	2.80	4.61	3.09	13.99	25.59	22.47	25.34	21.29	NORM	WET	WET	WET	WET
15	1994	0.61	1.49	2.96	3.70	2.90	1.21	0.70	12.47	18.51	19.06	13.13	7.42	NORM	NORM	NORM	NORM	NORM
16	1995	1.63	4.88	5.98	4.46	3.13	1.47	1.23	29.33	30.22	24.29	15.13	9.76	WET	WET	WET	NORM	NORM
17	1996	0.82	1.51	5.91	2.24	0.82	1.07	3.16	21.57	20.05	12.85	7.09	12.44	WET	NORM	NORM	DRY	NORM
18	1997	0.31	4.68	3.42	5.71	2.16	1.77	1.30	19.93	28.65	21.32	15.34	9.60	WET	WET	NORM	NORM	NORM
19	1998	2.22	0.57	2.67	4.96	3.76	1.17	1.25	11.37	20.79	23.87	15.99	9.85	NORM	NORM	WET	NORM	NORM
20	1999	0.59	4.06	2.30	5.50	1.88	1.16	3.40	15.61	25.16	18.94	12.74	14.40	NORM	WET	NORM	NORM	WET
21	2000	0.96	2.89	3.71	3.47	2.27	1.03	0.68	17.87	20.72	17.46	11.10	6.37	NORM	NORM	NORM	NORM	NORM
22	2001	0.81	5.63	2.61	3.23	2.39	0.23	0.45	19.90	20.54	16.24	8.70	4.20	WET	NORM	NORM	DRY	DRY
23	2002	1.42	1.39	2.25	0.56	1.07	2.34	2.98	10.95	7.57	6.58	9.72	14.69	NORM	DRY	DRY	NORM	WET
24	2003	0.78	2.44	1.34	3.70	1.70	0.74	0.41	9.68	16.22	13.84	9.32	4.41	DRY	NORM	NORM	DRY	DRY
25	2004	2.02	0.73	3.52	2.13	0.84	0.88	4.07	14.04	14.16	10.30	6.45	14.81	NORM	NORM	DRY	DRY	WET
26	2005	1.18	5.43	3.47	4.13	2.25	2.02	1.36	22.45	24.76	18.48	14.69	10.37	WET	WET	NORM	NORM	NORM
27	2006	2.65	2.79	0.65	3.19	0.15	2.62	2.59	10.18	13.66	7.48	11.35	13.16	NORM	NORM	DRY	NORM	WET
28	2007	1.82	2.24	3.21	2.23	0.62	3.69	1.43	15.93	15.35	9.53	14.54	12.29	NORM	NORM	DRY	NORM	NORM
29	2008	0.78	2.00	5.02	4.82	2.95	0.69	1.20	19.84	26.50	23.51	12.79	7.93	WET	WET	WET	NORM	NORM
30	2009	1.31	3.43	0.79	3.15	6.68	2.92	0.28	10.54	14.46	27.13	25.27	13.36	NORM	NORM	WET	WET	WET
31	2010	1.89	2.83	3.26	4.26	1.68	3.25	0.87	17.33	22.13	16.82	17.37	10.79	NORM	NORM	NORM	WET	NORM
32	2011	0.96	2.00	5.66	4.14	2.58	2.90	1.30	21.94	25.74	21.68	18.00	12.28	WET	WET	NORM	WET	NORM
33	2012	0.00	2.48	1.13	2.99	0.85	1.06	0.00	8.35	13.71	9.66	7.87	2.97	DRY	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.77	1.37	1.67
April	1.34	2.31	2.81
May	2.17	3.43	4.13
June	2.18	3.21	3.83
July	2.00	2.83	3.36
August	1.06	1.79	2.17
Sept.	0.74	1.47	1.80
Jun-MAM	9.96	16.28	19.68
Jul-JMA	12.22	18.80	22.56
Aug-JJM	12.53	18.34	21.87
Sep-AJJ	9.36	14.24	17.06
Oct-SAJ	6.34	10.82	13.10

Normals are for 1971-2000 data

March	1.37
April	2.31
May	3.43
June	3.21
July	2.83
August	1.79
Sept.	1.47

Note:

Long Valley NWS Station (SD4983) was used for June-Sept. 2007-2010; March and April 2011; June-Sept. 2011; June - Sept 2012.

Martin NWS Station (SD5281) was used for May 2011.

Rainfall Data
Harrold 12 SSW
Station #SD3608
Hughes County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.97	0.00	0.47	3.40	0.79	4.29	0.28	2.38	11.14	9.64	17.85	10.21	DRY	NORM	DRY	WET	NORM
1981	1.81	0.37	2.60	2.03	5.08	4.07	0.00	10.35	11.66	21.90	24.40	13.22	NORM	NORM	WET	WET	WET
1982	1.84	1.13	3.94	3.16	3.74	3.80	1.18	15.92	18.49	21.48	22.04	14.88	WET	NORM	WET	WET	WET
1983	2.15	1.05	2.19	5.20	1.53	1.35	1.11	10.82	21.03	17.18	12.31	7.56	NORM	WET	NORM	NORM	NORM
1984	1.52	3.23	1.85	3.78	0.98	1.56	1.23	13.53	18.27	12.35	10.42	7.79	NORM	NORM	NORM	NORM	NORM
1985	2.23	0.49	2.10	2.38	1.86	3.83	2.04	9.51	11.83	12.44	17.59	15.64	NORM	NORM	NORM	WET	WET
1986	0.60	4.71	3.04	2.49	1.07	1.54	2.77	19.14	18.26	11.23	9.25	12.46	WET	NORM	NORM	NORM	NORM
1987	2.90	0.23	2.01	1.32	1.27	3.20	0.78	9.39	8.21	8.46	13.46	10.01	NORM	DRY	DRY	NORM	NORM
1988	0.18	0.99	3.37	2.33	2.79	1.28	0.97	12.27	14.72	16.40	11.75	8.26	NORM	NORM	NORM	NORM	NORM
1989	1.25	1.73	1.27	0.69	2.38	0.85	2.49	8.52	6.34	9.79	8.00	11.55	NORM	DRY	DRY	DRY	NORM
1990	1.27	2.02	2.57	3.70	2.92	3.57	0.52	13.02	18.26	18.73	20.25	11.62	NORM	NORM	NORM	WET	NORM
1991	0.84	3.52	5.79	4.03	0.70	0.69	0.73	25.25	27.19	15.95	7.50	4.27	WET	WET	NORM	DRY	DRY
1992	0.49	0.29	0.42	4.50	6.34	1.31	1.46	2.33	14.63	28.44	21.11	13.34	DRY	NORM	WET	WET	WET
1993	1.25	1.67	2.84	5.28	4.70	0.37	1.48	13.11	23.19	27.50	15.79	9.88	NORM	WET	WET	NORM	NORM
1994	0.06	1.97	0.86	3.77	3.70	1.64	1.30	6.58	15.00	19.50	16.09	10.88	DRY	NORM	NORM	NORM	NORM
1995	1.45	4.99	3.92	4.73	2.22	2.01	1.26	23.19	27.02	20.04	15.20	10.02	WET	WET	WET	NORM	NORM
1996	0.76	0.62	4.26	1.71	2.52	0.69	6.07	14.78	14.27	15.24	8.82	22.11	NORM	NORM	NORM	NORM	WET
1997	0.39	2.46	3.76	4.74	4.48	1.65	0.41	16.59	24.20	26.68	18.65	9.01	WET	WET	WET	WET	NORM
1998	2.24	1.16	2.91	3.32	1.05	3.00	0.02	13.29	16.94	12.70	14.42	7.11	NORM	NORM	NORM	NORM	NORM
1999	0.48	3.00	5.75	4.73	0.55	3.62	3.57	23.73	28.69	16.86	16.69	18.50	WET	WET	NORM	NORM	WET
2000	0.96	1.76	3.24	1.57	1.20	2.96	0.08	14.20	12.95	9.98	12.85	7.36	NORM	NORM	NORM	NORM	NORM
2001	0.43	3.94	2.63	2.37	2.65	0.24	1.91	16.20	16.31	15.32	8.39	8.86	WET	NORM	NORM	DRY	NORM
2002	0.95	0.66	0.80	3.41	1.68	5.11	1.78	4.67	12.49	12.66	22.10	17.24	DRY	NORM	NORM	WET	WET
2003	0.49	2.55	3.40	3.04	2.62	0.89	1.52	15.79	18.47	17.34	10.95	8.96	WET	NORM	NORM	NORM	NORM
2004	3.21	0.06	3.24	2.85	3.16	1.36	4.98	13.05	15.09	18.42	13.25	20.82	NORM	NORM	NORM	NORM	WET
2005	0.05	1.44	2.72	4.14	0.75	1.03	1.67	11.09	19.30	13.25	8.73	7.82	NORM	WET	NORM	NORM	NORM
2006	0.81	1.13	0.58	0.63	0.25	3.92	2.07	4.81	4.18	2.59	12.89	14.30	DRY	DRY	DRY	NORM	WET
2007	1.73	1.85	3.81	3.57	0.22	3.32	1.46	16.86	20.18	11.61	13.97	11.24	WET	WET	NORM	NORM	NORM
2008	0.12	0.61	2.02	3.24	3.75	1.40	2.83	7.40	14.37	19.75	14.94	15.04	NORM	NORM	WET	NORM	WET
2009	1.46	1.10	0.66	1.46	2.24	4.93	0.00	5.64	6.80	10.30	20.73	12.10	DRY	DRY	NORM	WET	NORM
2010	0.92	2.22	4.75	3.26	6.05	1.91	2.74	19.61	21.50	29.42	21.09	18.09	WET	WET	WET	WET	WET
2011	0.41	2.61	2.94	6.14	3.98	1.31	0.82	14.45	26.91	27.16	18.03	9.06	NORM	WET	WET	WET	NORM
2012	0.25	4.13	1.89	2.68	1.01	0.00	0.00	14.18	15.95	10.28	4.70	1.01	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.63	1.22	1.49
April	1.04	1.97	2.43
May	1.53	2.45	2.96
June	1.85	2.92	3.52
July	1.58	2.62	3.18
August	1.18	2.09	2.55
Sept.	0.47	1.22	1.51
Jun-MAM	7.30	12.51	15.23
Jul-JMA	9.65	15.63	18.91
Aug-JJM	9.97	16.15	19.54
Sep-AJJ	8.55	14.43	17.53
Oct-SAJ	5.35	10.46	12.81

Normals are for 1971-2000 data

March	1.22
April	1.97
May	2.45
June	2.92
July	2.62
August	2.09
Sept.	1.22

NOTE:
Blunt NWS Station (SD0760) was used for March 1996; March - Sept. 1997-99; March - April 2000; March - Sept. 2001-02; March - June 2003; and Sept 2008.

Rainfall Data
Hermosa 3 SSW
Station #SD3775
Custer County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.76	1.13	1.58	4.75	1.78	2.00	0.63	7.76	18.54	16.42	14.31	7.67	DRY	NORM	NORM	NORM	NORM
1981	0.02	0.32	2.81	1.89	4.47	1.74	0.50	9.09	11.61	20.00	16.05	9.45	NORM	NORM	WET	WET	NORM
1982	1.44	0.69	6.50	2.89	1.81	0.95	2.38	22.32	22.36	17.71	9.36	10.85	WET	WET	NORM	NORM	NORM
1983	1.00	0.58	3.58	1.33	0.49	2.24	0.69	12.90	11.73	7.71	9.03	7.04	NORM	NORM	DRY	NORM	NORM
1984	0.55	3.33	1.86	3.64	2.00	0.95	0.24	12.79	17.97	15.14	10.49	4.62	NORM	NORM	NORM	NORM	DRY
1985	0.95	0.75	0.76	0.74	3.42	0.70	1.54	4.73	4.49	12.50	9.68	9.44	DRY	DRY	NORM	NORM	NORM
1986	0.67	3.75	1.43	4.03	1.35	1.31	3.41	12.46	18.70	13.54	10.66	14.20	NORM	NORM	NORM	NORM	WET
1987	1.04	0.05	3.06	1.48	1.15	1.56	0.38	10.32	10.61	9.47	8.46	5.41	NORM	NORM	DRY	NORM	NORM
1988	0.41	1.22	2.44	2.26	0.45	2.10	0.23	10.17	12.88	8.31	9.46	5.34	NORM	NORM	DRY	NORM	NORM
1989	0.56	0.82	0.56	1.61	0.97	1.47	3.66	3.88	6.77	6.69	7.96	14.89	DRY	DRY	DRY	NORM	WET
1990	0.81	0.50	5.75	1.42	2.60	0.45	1.12	19.06	16.26	16.39	7.97	6.86	WET	NORM	NORM	NORM	NORM
1991	0.22	4.66	4.37	5.23	1.25	1.07	1.12	22.65	29.09	18.58	10.94	6.75	WET	WET	NORM	NORM	NORM
1992	1.75	0.79	2.61	2.73	3.45	0.99	0.31	11.16	14.20	18.42	12.60	6.36	NORM	NORM	NORM	NORM	NORM
1993	0.68	2.70	3.75	4.20	4.38	2.19	1.22	17.33	22.80	25.29	19.53	12.42	WET	WET	WET	WET	WET
1994	0.19	0.76	1.40	1.29	1.43	1.04	0.23	5.91	7.43	8.27	7.27	4.20	DRY	DRY	DRY	DRY	DRY
1995	0.88	1.86	6.86	4.69	1.85	0.31	1.00	25.18	29.65	21.79	9.32	5.47	WET	WET	WET	NORM	NORM
1996	0.25	1.58	5.64	2.16	1.73	2.40	2.68	20.33	19.34	15.15	12.82	14.57	WET	NORM	NORM	NORM	WET
1997	0.27	2.09	5.17	2.02	4.88	1.76	1.54	19.96	18.49	23.85	17.06	13.02	WET	NORM	WET	WET	WET
1998	1.75	0.28	3.79	6.23	2.19	2.73	1.58	13.68	26.55	22.82	18.80	12.39	NORM	WET	WET	WET	WET
1999	0.78	3.68	1.71	5.41	1.20	4.02	2.05	13.27	23.33	16.13	19.87	15.39	NORM	WET	NORM	WET	WET
2000	0.80	4.09	2.74	1.71	1.25	1.07	0.37	17.20	14.70	9.91	7.42	4.50	WET	NORM	NORM	DRY	DRY
2001	0.67	2.61	2.05	2.07	2.25	1.59	1.09	12.04	12.92	12.94	11.34	8.70	NORM	NORM	NORM	NORM	NORM
2002	1.11	1.34	2.29	1.03	1.29	1.15	2.84	10.66	9.01	8.22	7.06	12.11	NORM	DRY	DRY	DRY	WET
2003	0.78	2.23	3.18	1.78	1.47	1.01	1.86	14.78	13.93	11.15	7.75	9.07	NORM	NORM	NORM	DRY	NORM
2004	0.31	1.22	2.17	1.89	2.61	1.68	1.60	9.26	11.23	13.78	12.15	10.77	NORM	NORM	NORM	NORM	NORM
2005	0.62	1.38	3.14	1.83	2.43	1.76	0.76	12.80	13.15	14.09	11.97	8.23	NORM	NORM	NORM	NORM	NORM
2006	1.85	1.13	1.70	2.25	1.57	5.95	1.03	9.21	11.28	10.91	23.24	16.56	NORM	NORM	NORM	WET	WET
2007	0.73	1.07	2.94	0.45	0.99	5.83	0.68	11.69	8.30	6.81	19.92	14.69	NORM	DRY	DRY	WET	WET
2008	0.85	1.34	7.04	4.19	1.90	3.51	0.87	24.65	27.99	21.12	18.52	11.53	WET	WET	WET	WET	WET
2009	0.45	3.73	1.46	3.11	5.62	0.97	1.14	12.29	15.98	24.54	17.26	10.98	NORM	NORM	WET	WET	NORM
2010	0.28	3.16	5.64	5.76	1.67	1.24	1.96	23.52	31.72	22.17	12.82	10.03	WET	WET	WET	NORM	NORM
2011	0.84	1.54	6.56	1.79	5.48	3.79	0.74	23.60	20.03	26.58	24.12	15.28	WET	NORM	WET	WET	WET
2012	0.03	1.98	1.05	1.88	1.32	0.90	0.06	7.14	9.72	8.77	7.22	3.30	DRY	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.44	0.83	1.01
April	0.89	1.89	2.31
May	1.99	3.09	3.71
June	1.72	2.92	3.54
July	1.46	2.38	2.88
August	1.04	1.58	1.90
Sept.	0.45	1.18	1.44
Jun-MAM	8.19	13.88	16.76
Jul-JMA	10.03	16.83	20.35
Aug-JJM	9.81	16.07	19.43
Sep-AJJ	7.76	12.42	15.00
Oct-SAJ	4.89	9.08	11.00

Normals are for 1971-2000 data

March	0.83
April	1.89
May	3.09
June	2.92
July	2.38
August	1.58
Sept.	1.18

NOTE:

Rapid City Regional AP NWS Station (SD6937) was used for March-Sept. 1980; March-July 1981; March 1982; June 1990; and Sept. 2008.

Caputa NWS Station (SD9695) was used for May-July 2012.

Rainfall Data
Highmore 1 W
Station #SD3832
Hyde County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.65	1.25	0.95	3.77	2.25	2.90	0.43	6.00	14.46	15.24	16.97	9.34	DRY	NORM	NORM	NORM	NORM
1981	2.80	0.42	1.98	2.51	8.50	5.47	0.22	9.58	11.91	32.50	35.92	20.10	NORM	NORM	WET	WET	WET
1982	1.14	0.88	5.67	1.55	4.20	2.30	1.40	19.91	16.87	21.37	16.85	13.00	WET	NORM	NORM	NORM	NORM
1983	2.11	1.13	3.08	5.75	2.13	1.60	1.60	13.61	24.54	20.97	14.81	10.13	NORM	WET	NORM	NORM	NORM
1984	1.30	2.89	2.39	7.40	1.85	5.25	1.61	14.25	29.87	22.74	26.85	17.18	NORM	WET	NORM	WET	WET
1985	2.30	0.45	2.15	2.44	4.55	1.76	4.26	9.65	12.07	20.68	16.82	20.85	NORM	NORM	NORM	NORM	WET
1986	1.02	7.05	2.78	3.44	4.87	0.95	4.75	23.46	22.93	24.27	16.03	21.02	WET	WET	WET	NORM	WET
1987	4.00	0.77	1.94	1.60	2.97	3.34	1.51	11.36	9.45	14.05	17.56	14.18	NORM	DRY	NORM	NORM	NORM
1988	0.15	1.35	4.31	2.22	2.19	1.84	1.90	15.78	16.63	15.32	12.12	11.57	NORM	NORM	NORM	NORM	NORM
1989	1.00	5.65	1.05	0.73	2.57	0.30	3.14	15.45	9.94	10.22	6.77	12.59	NORM	DRY	DRY	DRY	NORM
1990	1.71	2.50	2.10	3.55	2.57	3.45	0.75	13.01	17.35	16.91	19.04	11.72	NORM	NORM	NORM	NORM	NORM
1991	1.15	4.43	8.35	3.50	0.78	1.70	1.15	35.06	31.63	17.69	10.16	7.63	WET	WET	NORM	NORM	NORM
1992	0.75	0.35	0.30	4.73	8.18	1.13	2.35	2.35	15.14	34.30	24.48	17.49	DRY	NORM	WET	WET	WET
1993	0.70	3.11	3.29	6.12	6.95	1.41	1.60	16.79	28.05	36.38	24.25	14.57	NORM	WET	WET	WET	NORM
1994	0.05	2.83	0.67	4.24	6.55	2.27	1.73	7.72	16.89	28.80	24.15	16.28	DRY	NORM	WET	WET	WET
1995	1.80	9.08	5.87	2.67	2.25	4.23	0.75	37.57	28.83	17.96	19.86	12.96	WET	WET	NORM	NORM	NORM
1996	1.13	0.95	3.70	1.52	3.55	0.70	7.15	14.13	12.91	17.39	10.72	26.40	NORM	NORM	NORM	NORM	WET
1997	0.25	2.74	4.22	3.53	4.67	1.50	0.87	18.39	21.77	25.29	17.37	10.28	NORM	NORM	WET	NORM	NORM
1998	1.26	2.24	1.95	4.44	0.54	2.34	0.00	11.59	19.46	12.45	12.54	5.22	NORM	NORM	NORM	NORM	DRY
1999	0.60	3.22	4.70	5.47	2.30	4.17	2.07	21.14	29.03	22.54	22.58	16.85	WET	WET	NORM	WET	WET
2000	0.90	3.25	3.55	2.26	2.17	1.30	0.08	18.05	17.13	14.58	10.50	5.01	NORM	NORM	NORM	NORM	DRY
2001	0.28	4.23	3.06	3.22	3.42	0.20	2.00	17.92	20.01	19.76	10.66	9.82	NORM	NORM	NORM	NORM	NORM
2002	1.45	0.70	0.95	3.00	2.27	6.72	0.97	5.70	11.60	13.76	27.70	18.62	DRY	NORM	NORM	WET	WET
2003	0.20	2.06	2.45	4.87	1.50	1.35	0.75	11.67	21.57	16.69	11.92	6.45	NORM	NORM	NORM	NORM	NORM
2004	2.80	0.00	4.77	4.15	3.52	2.55	4.20	17.11	21.99	23.63	18.84	21.22	NORM	NORM	WET	NORM	WET
2005	0.48	1.45	3.8	5.72	0.73	0.87	3.4	14.78	26.21	17.43	9.79	12.67	NORM	WET	NORM	NORM	NORM
2006	1.36	2.45	0.95	2.02	0.98	4.58	3.45	9.11	10.41	7.93	17.72	20.49	NORM	DRY	DRY	NORM	WET
2007	2.25	2.20	6.00	5.15	0.15	8.80	0.85	24.65	29.65	16.75	31.85	20.30	WET	WET	NORM	WET	WET
2008	1.58	1.55	2.90	6.19	3.28	2.28	2.05	13.38	25.92	25.12	19.59	13.99	NORM	WET	WET	NORM	NORM
2009	2.80	1.60	1.47	2.42	6.95	4.42	1.35	10.41	11.80	27.16	29.58	19.84	NORM	NORM	WET	WET	WET
2010	3.10	2.69	6.20	5.75	4.94	0.75	4.70	27.08	32.34	32.52	17.88	20.54	WET	WET	WET	NORM	WET
2011	0.54	2.10	3.05	6.45	3.90	1.85	1.20	13.89	27.55	27.65	19.80	11.20	NORM	WET	WET	NORM	NORM
2012	0.00	4.29	3.40	2.96	2.09	0.15	0.40	18.78	19.97	15.59	7.59	3.59	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.59	1.38	1.68
April	1.34	2.59	3.17
May	1.74	3.07	3.74
June	2.01	3.16	3.82
July	1.81	3.25	3.96
August	1.23	2.26	2.76
Sept.	0.65	1.66	2.06
Jun-MAM	8.49	15.77	19.24
Jul-JMA	10.85	18.21	22.11
Aug-JJM	11.19	19.14	23.26
Sep-AJJ	9.32	16.44	20.02
Oct-SAJ	6.22	12.75	15.66

Normals are for 1971-2000 data

March	1.38
April	2.59
May	3.07
June	3.16
July	3.25
August	2.26
Sept.	1.66

NOTE:

Highmore 23 N NWS Station (SD3838) was used for March 1986.

Harrold 12 SSW NWS Station (SD3608) was used for Sept. 2000.

Rainfall Data
Highmore 23 N
Station #SD3838
Hyde County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.45	1.30	0.85	3.63	1.92	4.22	0.56	5.60	13.89	13.87	20.13	12.04	DRY	NORM	NORM	WET	NORM
1981	2.68	0.12	1.43	1.58	5.78	2.75	0.53	7.21	7.72	21.93	21.39	12.87	NORM	DRY	WET	WET	NORM
1982	2.13	1.36	3.31	2.00	1.89	0.29	1.74	14.78	13.98	12.98	6.65	7.69	NORM	NORM	NORM	DRY	NORM
1983	1.85	1.22	2.41	2.80	4.22	2.03	1.01	11.52	14.44	20.67	17.33	11.31	NORM	NORM	WET	NORM	NORM
1984	1.31	2.36	2.04	7.68	1.28	0.92	1.06	12.15	29.48	21.24	13.00	6.30	NORM	WET	WET	NORM	NORM
1985	2.39	0.65	1.11	2.02	2.05	3.91	4.52	7.02	8.93	11.30	17.85	23.43	NORM	NORM	NORM	WET	WET
1986	1.02	6.85	2.79	1.59	2.53	1.52	1.39	23.09	17.20	13.56	11.21	9.74	WET	NORM	NORM	NORM	NORM
1987	1.49	0.05	2.07	2.09	3.02	3.01	0.99	7.80	10.46	15.31	17.16	12.01	NORM	NORM	NORM	NORM	NORM
1988	0.39	0.86	2.81	1.86	0.14	2.00	1.37	10.54	12.06	6.95	8.14	8.25	NORM	NORM	DRY	NORM	NORM
1989	1.46	4.51	0.93	0.27	1.04	0.73	3.10	13.27	7.18	4.59	4.54	11.80	NORM	DRY	DRY	DRY	NORM
1990	1.01	2.92	1.92	4.89	3.08	1.33	1.20	12.61	21.43	20.94	15.04	9.34	NORM	WET	WET	NORM	NORM
1991	1.35	3.64	7.77	5.97	0.37	0.63	0.85	31.94	37.09	20.82	8.60	4.18	WET	WET	WET	NORM	DRY
1992	0.49	0.54	0.62	3.66	4.07	2.11	1.07	3.43	12.76	20.15	18.13	11.50	DRY	NORM	NORM	WET	NORM
1993	0.49	1.47	1.78	6.01	8.60	2.84	2.05	8.77	23.06	39.60	31.73	20.43	NORM	WET	WET	WET	WET
1994	0.08	1.72	1.20	1.34	11.18	2.22	1.78	7.12	8.14	37.42	30.36	20.96	NORM	DRY	WET	WET	WET
1995	1.78	3.68	3.30	3.57	1.73	1.44	1.59	19.04	20.99	15.63	11.35	9.38	WET	WET	NORM	NORM	NORM
1996	0.29	0.26	4.40	0.97	2.36	1.82	6.37	14.01	11.97	13.42	11.15	25.11	NORM	NORM	NORM	NORM	WET
1997	0.25	1.48	4.50	4.66	4.05	1.49	1.49	16.71	24.46	25.97	17.23	11.50	WET	WET	WET	NORM	NORM
1998	1.16	1.26	2.11	2.25	3.97	3.24	0.07	10.01	12.23	18.52	19.91	10.66	NORM	NORM	NORM	WET	NORM
1999	0.60	2.09	4.13	4.57	2.00	3.06	2.96	17.17	24.06	19.27	17.75	17.00	WET	WET	NORM	WET	WET
2000	0.82	2.30	2.43	2.48	1.59	0.70	0.00	12.71	14.60	12.16	7.76	2.99	NORM	NORM	NORM	NORM	DRY
2001	0.00	3.98	2.59	2.00	2.17	1.50	1.25	15.73	15.16	13.10	10.84	8.92	WET	NORM	NORM	NORM	NORM
2002	0.88	0.94	1.10	0.76	2.45	3.48	0.82	6.06	5.42	9.97	16.10	11.87	DRY	DRY	NORM	NORM	NORM
2003	0.33	2.75	3.01	4.05	1.48	0.86	0.65	14.86	20.92	15.55	9.59	5.15	NORM	WET	NORM	NORM	DRY
2004	1.50	0.63	4.14	4.80	2.08	3.47	4.80	15.18	23.31	19.98	19.37	23.42	NORM	WET	NORM	WET	WET
2005	0.09	1.48	2.67	5.77	1.34	1.67	2.59	11.06	24.13	18.23	13.46	12.45	NORM	WET	NORM	NORM	NORM
2006	0.96	1.60	0.57	3.84	0.44	5.35	3.13	5.87	14.26	9.57	20.77	20.53	DRY	NORM	NORM	WET	WET
2007	1.89	2.39	4.48	3.65	1.59	5.15	1.19	20.11	22.30	16.55	22.28	15.46	WET	WET	NORM	WET	WET
2008	1.11	0.95	1.41	3.55	3.12	0.99	3.52	7.24	14.42	17.87	12.76	15.66	NORM	NORM	NORM	NORM	WET
2009	1.17	0.96	1.40	1.33	2.33	5.00	0.38	7.29	7.75	11.05	20.99	13.47	NORM	DRY	NORM	WET	NORM
2010	0.83	1.74	5.02	2.71	4.40	0.38	2.92	19.37	19.91	23.64	12.65	13.92	WET	WET	WET	NORM	NORM
2011	1.40	2.43	0.00	4.80	3.95	1.67	0.76	6.26	16.83	21.45	17.71	9.57	DRY	NORM	WET	WET	NORM
2012	0.20	3.48	1.08	2.54	2.38	0.92	0.00	10.40	13.26	13.30	10.06	4.22	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.58	1.20	1.47
April	0.87	1.93	2.35
May	1.54	2.56	3.10
June	1.61	2.84	3.46
July	1.27	2.83	3.46
August	1.11	1.91	2.32
Sept.	0.66	1.61	1.99
Jun-MAM	6.94	12.74	15.47
Jul-JMA	8.78	15.57	18.93
Aug-JJM	8.57	16.73	20.40
Sep-AJJ	7.48	14.23	17.34
Oct-SAJ	5.47	11.48	14.07

Normals are for 1971-2000 data

March	1.20
April	1.93
May	2.56
June	2.84
July	2.83
August	1.91
Sept.	1.61

NOTE:
Highmore 1W NWS Station (SD3832) was used for March 1997. Faulkton 1 NW NWS Station (SD2927) was used for August 2007.
Seneca NWS Station (SD7551) was used for 2012.

Rainfall Data
Hill City
Station #SD3868
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.96	1.51	2.74	2.25	2.36	3.11	1.12	12.20	13.74	14.32	16.30	11.94	NORM	NORM	NORM	NORM	NORM
1981	0.25	0.52	5.81	1.24	6.22	0.86	0.28	18.72	15.86	26.95	16.26	8.78	NORM	NORM	WET	NORM	NORM
1982	1.18	0.93	5.88	3.55	3.42	1.79	2.96	20.68	23.34	23.24	15.76	15.88	WET	NORM	NORM	NORM	WET
1983	1.77	1.29	2.39	2.43	1.13	4.09	0.70	11.52	13.36	10.64	16.96	11.41	NORM	NORM	DRY	NORM	NORM
1984	0.55	3.66	1.94	4.43	5.17	1.49	1.21	13.69	20.83	26.31	19.24	11.78	NORM	NORM	WET	NORM	NORM
1985	1.28	1.62	0.91	1.16	2.46	1.24	2.19	7.25	6.92	10.61	9.80	11.51	DRY	DRY	DRY	DRY	NORM
1986	0.60	3.98	1.67	4.92	1.67	1.05	6.61	13.57	22.08	16.52	11.41	23.60	NORM	NORM	NORM	NORM	WET
1987	1.69	0.38	7.29	0.57	1.84	3.13	0.81	24.32	16.67	13.95	13.64	10.53	WET	NORM	NORM	NORM	NORM
1988	0.58	0.99	2.69	4.54	2.77	3.69	0.22	10.63	19.99	20.08	21.15	10.81	NORM	NORM	NORM	WET	NORM
1989	0.84	1.46	2.60	2.06	1.76	3.65	4.76	11.56	12.84	12.00	16.53	23.34	NORM	NORM	DRY	NORM	WET
1990	1.69	2.44	4.17	1.66	3.74	1.35	1.05	19.08	15.76	18.71	13.19	9.59	NORM	NORM	NORM	NORM	NORM
1991	0.88	3.49	7.56	4.28	2.30	1.13	0.66	30.54	31.45	23.02	12.27	6.54	WET	WET	NORM	NORM	DRY
1992	2.08	1.04	2.87	4.16	4.35	1.04	0.88	12.77	19.26	24.24	15.98	9.07	NORM	NORM	NORM	NORM	NORM
1993	0.64	2.85	5.69	4.95	4.06	2.10	1.17	23.41	29.08	27.77	19.37	11.77	WET	WET	WET	NORM	NORM
1994	0.71	2.18	1.93	1.07	1.24	1.18	0.49	10.86	9.25	7.79	7.09	5.07	NORM	DRY	DRY	DRY	DRY
1995	0.83	2.03	6.87	5.80	3.97	1.35	1.43	25.50	33.17	30.38	17.79	10.96	WET	WET	WET	NORM	NORM
1996	1.28	2.58	6.62	2.00	2.20	5.31	2.11	26.30	21.82	17.22	22.33	19.15	WET	NORM	NORM	WET	WET
1997	0.27	3.09	4.18	3.83	6.64	2.39	1.61	18.99	22.94	31.76	24.28	16.25	NORM	NORM	WET	WET	WET
1998	1.84	1.20	3.48	5.96	4.08	2.38	2.62	14.68	26.04	27.64	21.26	16.70	NORM	WET	WET	WET	WET
1999	0.82	3.58	2.60	7.08	3.02	2.80	1.32	15.78	30.02	25.82	21.52	12.58	NORM	WET	WET	WET	NORM
2000	0.98	5.01	2.98	1.64	3.68	0.70	0.62	19.94	15.89	17.30	11.10	6.94	NORM	NORM	NORM	NORM	NORM
2001	0.56	2.90	2.30	4.55	3.90	1.57	2.05	13.26	21.15	23.10	17.06	13.19	NORM	NORM	NORM	NORM	NORM
2002	1.30	2.01	3.08	2.25	3.16	3.23	3.79	14.56	14.92	17.06	18.26	20.99	NORM	NORM	NORM	NORM	WET
2003	2.32	2.82	1.86	3.02	0.16	4.91	1.22	13.54	15.60	8.38	18.07	13.64	NORM	NORM	DRY	NORM	NORM
2004	0.44	1.45	1.66	1.27	2.95	1.35	2.48	8.32	8.58	13.05	11.22	13.09	DRY	DRY	DRY	NORM	NORM
2005	0.82	2.05	4.76	2.31	3.16	2.6	1.11	19.20	18.50	18.86	16.43	11.69	NORM	NORM	NORM	NORM	NORM
2006	2.06	2.12	3.19	2.08	0.97	3.40	1.78	15.87	14.74	10.26	14.22	13.11	NORM	NORM	DRY	NORM	NORM
2007	1.39	1.74	3.09	1.98	1.93	3.04	0.96	14.14	13.86	12.84	14.96	10.89	NORM	NORM	DRY	NORM	NORM
2008	0.84	1.84	7.91	3.63	4.28	2.40	1.14	28.25	28.55	28.01	19.39	12.50	WET	WET	WET	NORM	NORM
2009	1.35	3.54	1.43	2.54	3.54	1.73	1.11	12.72	14.02	17.13	14.81	10.33	NORM	NORM	NORM	NORM	NORM
2010	0.47	3.96	5.54	3.18	2.23	1.66	1.04	25.01	24.58	18.59	12.62	8.67	WET	NORM	NORM	NORM	NORM
2011	0.91	1.53	7.80	2.36	2.37	2.69	0.41	27.37	24.21	19.63	15.17	8.98	WET	NORM	NORM	NORM	NORM
2012	0.26	1.63	3.75	2.62	4.99	0.08	0.05	14.77	16.99	23.96	12.84	5.30	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.59	1.05	1.28
April	1.47	2.35	2.84
May	2.34	3.61	4.35
June	2.08	3.62	4.40
July	2.33	3.39	4.05
August	1.30	2.11	2.55
Sept.	0.62	1.47	1.78
Jun-MAM	10.55	16.58	20.01
Jul-JMA	12.39	20.43	24.74
Aug-JJM	13.49	21.02	25.30
Sep-AJJ	10.64	16.73	20.15
Oct-SAJ	6.79	12.02	14.49

Normals are for 1971-2000 data

March	1.05
April	2.35
May	3.61
June	3.62
July	3.39
August	2.11
Sept.	1.47

Rainfall Data
Hot Springs
Station #SD4007
Fall River County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.91	0.94	1.80	2.48	2.10	1.99	0.31	8.19	11.98	13.06	12.65	7.01	NORM	NORM	NORM	NORM	NORM
1981	0.32	0.80	5.89	1.19	3.94	0.98	0.36	19.59	16.15	20.09	12.01	6.98	WET	NORM	WET	NORM	NORM
1982	1.07	1.03	6.45	4.76	1.88	1.81	2.38	22.48	28.21	21.61	13.95	12.64	WET	WET	WET	NORM	WET
1983	1.40	0.78	2.13	3.15	2.11	0.93	0.43	9.35	14.49	14.76	10.16	5.26	NORM	NORM	NORM	NORM	DRY
1984	1.30	3.69	2.28	3.03	1.90	1.25	0.49	15.52	17.34	14.04	10.58	5.87	NORM	NORM	NORM	NORM	NORM
1985	0.34	1.10	0.55	1.70	2.64	0.37	2.46	4.19	7.30	11.87	8.09	10.76	DRY	DRY	NORM	DRY	NORM
1986	0.63	2.52	1.30	3.94	1.71	0.85	3.17	9.57	16.94	14.31	9.91	12.92	NORM	NORM	NORM	NORM	WET
1987	1.54	0.07	4.04	0.97	0.97	1.68	0.92	13.80	11.06	8.89	7.95	7.09	NORM	NORM	DRY	DRY	NORM
1988	0.13	0.43	2.60	2.53	2.32	2.20	1.02	8.79	13.22	14.62	13.77	9.78	NORM	NORM	NORM	NORM	NORM
1989	0.68	1.38	1.46	0.86	2.68	0.98	3.41	7.82	6.88	11.22	9.16	14.87	DRY	DRY	NORM	NORM	WET
1990	1.08	2.23	6.36	1.53	2.59	0.99	1.56	24.62	19.54	17.19	9.68	9.25	WET	NORM	NORM	NORM	NORM
1991	0.98	1.48	4.50	3.81	2.25	0.95	0.93	17.44	21.91	18.87	11.16	6.94	WET	WET	NORM	NORM	NORM
1992	1.85	0.66	3.40	4.36	4.10	1.46	0.09	13.37	20.54	24.42	16.94	7.29	NORM	WET	WET	WET	NORM
1993	1.30	2.68	1.59	5.50	5.11	3.64	1.34	11.43	22.36	27.92	26.64	16.41	NORM	WET	WET	WET	WET
1994	0.66	0.85	1.37	2.10	0.60	1.54	0.34	6.47	9.89	7.37	7.92	4.70	DRY	DRY	DRY	DRY	DRY
1995	0.91	1.70	5.96	4.40	1.84	1.10	1.47	22.19	26.82	20.28	11.38	8.45	WET	WET	WET	NORM	NORM
1996	0.68	2.78	5.08	0.71	1.68	4.99	1.88	21.48	15.07	11.54	19.04	17.30	WET	NORM	NORM	WET	WET
1997	0.38	2.70	3.85	4.67	8.05	1.25	0.48	17.33	24.41	37.34	24.52	11.99	WET	WET	WET	WET	NORM
1998	2.20	0.83	4.13	3.50	2.47	3.53	1.98	16.25	19.59	18.54	19.03	15.47	NORM	NORM	NORM	WET	WET
1999	0.91	3.97	1.97	6.31	1.39	3.03	2.14	14.76	26.84	18.76	18.18	13.87	NORM	WET	NORM	WET	WET
2000	1.03	6.30	1.83	1.10	1.00	0.60	0.93	19.12	13.26	7.03	4.90	4.99	WET	NORM	DRY	DRY	DRY
2001	1.07	1.77	1.94	1.75	1.91	0.94	0.37	10.43	10.90	11.17	8.39	4.90	NORM	NORM	NORM	NORM	DRY
2002	1.30	1.18	2.22	1.04	0.88	2.27	3.19	10.32	8.74	6.94	9.61	14.99	NORM	DRY	DRY	NORM	WET
2003	2.01	2.75	2.37	4.55	0.34	1.15	1.95	14.62	21.14	12.49	8.68	8.49	NORM	WET	NORM	NORM	NORM
2004	0.86	0.34	1.30	1.04	1.82	0.99	3.01	5.44	6.06	8.84	7.65	12.83	DRY	DRY	DRY	DRY	WET
2005	0.54	2.75	3.98	3.16	3.3	2.69	0.35	17.98	20.19	20.20	17.83	9.73	WET	WET	WET	WET	NORM
2006	2.32	1.55	0.97	1.73	1.27	1.93	0.60	8.33	8.68	8.24	10.06	6.93	NORM	DRY	DRY	NORM	NORM
2007	0.66	1.43	1.82	1.57	1.85	2.56	1.89	8.98	9.78	10.51	12.95	12.64	NORM	DRY	NORM	NORM	WET
2008	1.33	1.21	5.27	1.92	3.94	1.30	1.54	19.56	17.51	20.93	13.70	11.16	WET	NORM	WET	NORM	NORM
2009	1.46	3.80	1.55	3.17	1.66	2.30	0.99	13.71	16.41	12.87	13.39	9.23	NORM	NORM	NORM	NORM	NORM
2010	0.53	4.44	5.75	4.94	3.53	2.80	1.32	26.66	30.76	26.22	20.40	13.09	WET	WET	WET	WET	WET
2011	0.97	0.98	5.87	2.70	1.34	1.20	1.65	20.54	20.82	15.29	8.98	8.69	WET	WET	NORM	NORM	NORM
2012	0.23	1.73	3.24	1.73	1.78	0.27	0.03	13.41	13.40	12.04	6.10	2.41	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.55	0.92	1.11
April	1.03	1.95	2.39
May	1.86	3.03	3.67
June	1.77	2.81	3.39
July	1.70	2.57	3.09
August	1.00	1.77	2.16
Sept.	0.61	1.33	1.62
Jun-MAM	8.19	13.91	16.90
Jul-JMA	10.06	16.44	19.90
Aug-JJM	10.50	16.36	19.72
Sep-AJJ	8.17	13.26	16.05
Oct-SAJ	5.53	10.10	12.27

Normals are for 1971-2000 data

March	0.92
April	1.95
May	3.03
June	2.81
July	2.57
August	1.77
Sept.	1.33

Rainfall Data
Howard
Station #SD4037
Miner County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.75	0.86	1.31	4.57	1.84	4.53	0.19	6.40	17.19	15.97	21.84	11.47	DRY	NORM	NORM	NORM	NORM
1981	1.83	1.67	0.85	3.69	2.99	3.06	0.95	7.72	14.44	17.20	18.85	11.96	DRY	NORM	NORM	NORM	NORM
1982	1.02	1.34	5.31	1.91	4.15	5.74	1.88	19.63	17.69	21.58	27.43	21.27	WET	NORM	NORM	WET	WET
1983	2.72	1.79	0.95	5.11	3.69	0.84	1.20	9.15	19.02	22.24	15.01	8.97	DRY	NORM	NORM	NORM	DRY
1984	1.55	4.45	2.25	8.61	2.36	1.06	0.44	17.20	34.78	26.55	16.51	5.80	NORM	WET	WET	NORM	DRY
1985	2.43	3.25	3.82	1.83	1.95	3.72	2.93	20.39	16.38	13.33	16.89	18.18	WET	NORM	NORM	NORM	NORM
1986	1.24	7.31	2.86	3.85	2.30	2.43	6.10	24.44	24.58	17.46	15.74	25.46	WET	WET	NORM	NORM	WET
1987	3.22	0.38	1.53	1.78	5.39	2.74	2.27	8.57	8.78	21.26	20.78	17.68	DRY	DRY	NORM	NORM	NORM
1988	1.10	2.16	2.95	1.40	1.90	5.24	3.83	14.27	12.26	11.45	20.92	23.87	NORM	NORM	DRY	NORM	WET
1989	2.76	0.83	1.16	3.68	4.76	2.25	2.91	7.90	14.19	22.80	19.95	17.99	DRY	NORM	NORM	NORM	NORM
1990	0.71	1.19	5.76	8.04	3.55	2.51	0.50	20.37	36.83	32.49	22.67	10.07	WET	WET	WET	WET	NORM
1991	0.45	3.63	4.72	7.95	2.28	2.58	2.13	21.87	36.92	27.46	20.25	13.83	WET	WET	WET	NORM	NORM
1992	1.17	3.07	1.38	3.70	7.81	5.90	2.35	11.45	16.93	32.21	37.02	26.66	NORM	NORM	WET	WET	WET
1993	1.45	2.58	4.25	8.63	8.02	2.31	2.18	19.36	36.97	45.57	31.60	19.18	WET	WET	WET	WET	WET
1994	0.40	2.65	1.01	4.23	2.03	2.16	2.24	8.73	17.36	15.56	14.77	13.07	DRY	NORM	NORM	NORM	NORM
1995	5.93	5.94	4.08	1.17	4.15	3.85	4.06	30.05	17.61	18.87	21.02	24.03	WET	NORM	NORM	NORM	WET
1996	0.50	1.75	4.18	2.94	2.03	2.18	3.37	16.54	18.93	16.15	13.54	16.50	NORM	NORM	NORM	NORM	NORM
1997	0.60	2.33	3.24	0.80	4.54	2.24	2.93	14.98	11.21	18.46	16.60	17.81	NORM	DRY	NORM	NORM	NORM
1998	2.79	2.89	1.47	4.14	3.30	4.45	0.60	12.98	18.25	19.65	24.09	14.00	NORM	NORM	NORM	WET	NORM
1999	0.48	4.71	3.78	3.40	2.74	2.35	4.69	21.24	22.47	18.80	15.93	21.51	WET	NORM	NORM	NORM	WET
2000	0.57	2.36	5.20	3.03	1.56	2.07	0.95	20.89	21.85	15.94	12.36	8.55	WET	NORM	NORM	NORM	DRY
2001	0.66	6.55	2.97	2.75	0.86	0.13	3.10	22.67	20.74	11.05	4.86	10.42	WET	NORM	DRY	DRY	NORM
2002	1.39	1.57	1.90	3.92	1.44	8.40	1.21	10.23	17.13	14.06	32.00	21.87	NORM	NORM	NORM	WET	WET
2003	0.48	3.96	2.02	6.78	2.98	1.96	1.64	14.46	28.34	24.52	18.62	11.82	NORM	WET	WET	NORM	NORM
2004	1.04	1.02	6.81	3.93	5.96	2.48	4.51	23.51	26.43	32.55	23.29	24.45	WET	WET	WET	WET	WET
2005	0.41	1.5	4.29	5.74	3.1	1.68	7.1	16.28	27.30	25.07	16.98	27.76	NORM	WET	WET	NORM	WET
2006	1.42	3.56	1.34	1.66	0.86	6.69	5.52	12.56	11.22	7.24	23.45	30.80	NORM	DRY	DRY	WET	WET
2007	3.81	3.80	4.93	2.27	0.50	5.86	2.27	26.20	20.47	10.97	20.85	19.03	WET	NORM	DRY	NORM	WET
2008	1.19	2.81	2.27	4.35	1.99	0.77	2.05	13.62	20.40	16.94	10.64	9.68	NORM	NORM	NORM	DRY	NORM
2009	1.40	1.57	2.00	4.61	4.60	1.48	2.50	10.54	19.40	25.02	18.25	15.06	NORM	NORM	WET	NORM	NORM
2010	1.35	1.62	1.67	11.78	6.52	4.70	5.93	9.60	40.30	44.79	38.92	33.71	NORM	WET	WET	WET	WET
2011	0.67	2.95	5.89	3.66	2.87	3.31	0.23	24.24	25.71	21.82	19.33	10.18	WET	WET	NORM	NORM	NORM
2012	0.55	3.58	7.63	1.76	0.20	1.56	0.84	30.60	24.12	11.75	6.84	5.84	WET	WET	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.87	1.57	1.92
April	1.53	2.45	2.97
May	1.82	3.03	3.67
June	2.28	3.64	4.39
July	2.02	3.13	3.77
August	2.01	2.90	3.45
Sept.	1.08	2.25	2.74
Jun-MAM	9.39	15.56	18.87
Jul-JMA	12.01	19.43	23.48
Aug-JJM	12.44	19.70	23.76
Sep-AJJ	12.35	18.60	22.28
Oct-SAJ	9.28	15.68	18.89

Normals are for 1971-2000 data

March	1.57
April	2.45
May	3.03
June	3.64
July	3.13
August	2.90
Sept.	2.25

Rainfall Data
Huron WSO AP
Station #SD4127
Beadle County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.81	0.82	1.68	5.31	3.21	3.94	0.91	7.49	20.11	21.93	23.55	13.82	DRY	NORM	NORM	WET	NORM
2	1981	1.90	0.24	0.68	1.48	2.24	4.63	1.28	4.42	6.04	10.36	19.85	15.34	DRY	DRY	DRY	WET	WET
3	1982	1.60	1.29	4.58	1.25	5.10	2.85	3.49	17.92	14.20	22.38	20.00	21.27	NORM	NORM	WET	WET	WET
4	1983	2.35	1.14	1.37	4.62	2.22	0.45	1.27	8.74	17.74	17.27	10.41	6.93	NORM	NORM	NORM	NORM	DRY
5	1984	1.50	2.83	2.52	11.49	1.81	3.55	3.36	14.72	42.34	30.93	25.76	18.99	NORM	WET	WET	WET	WET
6	1985	3.86	1.57	2.03	2.36	4.67	2.57	1.06	13.09	12.71	20.76	19.41	12.99	NORM	NORM	NORM	WET	NORM
7	1986	1.56	5.08	3.15	2.50	6.44	2.84	0.42	21.17	18.88	27.47	23.90	13.38	WET	NORM	WET	WET	NORM
8	1987	4.78	0.42	2.34	1.54	2.19	2.98	0.42	12.64	9.72	11.99	14.86	9.41	NORM	DRY	NORM	NORM	NORM
9	1988	0.88	2.06	5.58	0.77	1.44	2.13	0.09	21.74	15.53	11.44	10.04	5.97	WET	NORM	NORM	NORM	DRY
10	1989	2.17	1.60	1.00	3.19	1.14	1.25	0.26	8.37	13.17	10.80	9.22	4.42	DRY	NORM	DRY	DRY	DRY
11	1990	1.31	1.92	6.28	6.34	3.51	0.72	1.27	23.99	33.50	29.49	15.52	8.76	WET	WET	WET	NORM	NORM
12	1991	0.62	5.59	3.72	5.72	1.76	1.18	0.98	22.96	30.19	20.44	12.78	7.06	WET	WET	NORM	NORM	NORM
13	1992	0.86	2.10	0.33	5.43	4.86	2.78	0.39	6.05	19.05	25.77	23.49	11.59	DRY	NORM	WET	WET	NORM
14	1993	1.57	3.18	3.32	7.12	6.69	2.39	0.63	17.89	31.18	37.63	27.67	13.36	NORM	WET	WET	WET	NORM
15	1994	0.27	2.75	1.67	5.12	2.95	1.27	2.02	10.78	21.45	20.76	14.83	11.55	NORM	NORM	NORM	NORM	NORM
16	1995	3.25	5.31	6.40	2.20	2.87	3.19	2.33	33.07	24.71	19.41	17.51	16.24	WET	WET	NORM	NORM	WET
17	1996	0.62	0.21	4.75	1.78	1.79	2.41	3.69	15.29	15.05	13.68	12.59	17.68	NORM	NORM	NORM	NORM	WET
18	1997	0.16	2.70	2.38	3.08	6.30	1.42	3.87	12.70	16.70	27.44	19.94	20.75	NORM	NORM	WET	WET	WET
19	1998	2.54	1.91	4.06	3.02	1.82	1.80	0.00	18.54	19.09	15.56	12.06	5.42	NORM	NORM	NORM	NORM	DRY
20	1999	0.25	3.24	2.87	3.00	1.30	2.56	2.10	15.34	17.98	12.77	13.28	12.72	NORM	NORM	NORM	NORM	NORM
21	2000	0.35	2.61	4.43	2.92	3.22	1.20	0.44	18.86	20.23	19.93	12.96	6.94	WET	NORM	NORM	NORM	DRY
22	2001	0.78	6.64	2.41	5.03	2.59	1.08	1.73	21.29	26.55	20.24	13.45	9.94	WET	WET	NORM	NORM	NORM
23	2002	1.73	1.58	1.32	1.28	0.84	3.66	0.72	8.85	8.06	6.40	13.94	10.32	NORM	DRY	DRY	NORM	NORM
24	2003	0.27	1.58	2.61	4.04	1.28	1.49	1.60	11.26	18.92	14.53	11.07	9.06	NORM	NORM	NORM	NORM	NORM
25	2004	1.98	1.91	3.58	3.33	4.44	3.10	5.54	16.54	19.06	23.56	21.51	27.26	NORM	NORM	WET	WET	WET
26	2005	0.38	0.67	2.81	5.58	1.4	2.52	6.67	10.15	23.03	18.17	15.94	26.45	NORM	WET	NORM	NORM	WET
27	2006	1.04	1.65	1.69	1.56	0.46	4.47	4.59	9.41	9.71	6.19	15.89	23.17	NORM	DRY	DRY	NORM	WET
28	2007	2.08	1.92	7.41	6.23	0.20	6.47	1.01	28.15	35.43	20.47	26.04	16.17	WET	WET	NORM	WET	WET
29	2008	1.49	2.05	2.26	4.05	2.47	2.79	3.27	12.37	18.72	17.77	17.36	17.86	NORM	NORM	NORM	NORM	WET
30	2009	1.68	1.07	2.16	4.35	3.06	1.46	2.71	10.30	18.44	20.04	14.85	14.11	NORM	NORM	NORM	NORM	NORM
31	2010	1.82	2.40	3.67	7.52	6.43	1.60	3.50	17.63	32.30	38.00	25.18	20.13	NORM	WET	WET	WET	WET
32	2011	1.40	2.59	3.34	3.95	3.49	2.35	0.45	16.60	21.12	21.71	17.98	9.54	NORM	NORM	NORM	NORM	NORM
33	2012	0.99	5.44	1.92	3.13	0.50	1.90	0.60	17.63	18.67	9.68	9.83	6.10	NORM	NORM	DRY	NORM	DRY
34	2013	0.78	2.94	5.49	0.15				23.13	14.37	5.79	0.15	0.00	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.74	1.67	2.03
April	1.27	2.29	2.79
May	1.75	3.00	3.65
June	1.94	3.28	3.99
July	1.77	2.86	3.46
August	1.27	2.07	2.50
Sept.	0.90	1.80	2.23
Jun-MAM	8.53	15.25	18.56
Jul-JMA	10.59	18.13	22.06
Aug-JJM	10.94	18.14	22.01
Sep-AJJ	9.29	15.21	18.41
Oct-SAJ	7.01	12.40	15.15

Normals are for 1971-2000 data

March	1.67
April	2.29
May	3.00
June	3.28
July	2.86
August	2.07
Sept.	1.80

NOTE:
Huron RGNL AP NWS Station (SD936) replaced Huron WSO AP NWS Station (SD4127) in 2012.

Rainfall Data
Interior 3 NE
Station #SD4184
Jackson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.87	1.45	1.37	2.10	1.38	1.58	0.23	7.88	10.49	9.71	9.60	5.23	DRY	NORM	DRY	NORM	NORM
1981	0.07	0.67	2.50	2.69	3.40	2.74	0.24	8.91	13.74	18.08	17.71	9.60	NORM	NORM	NORM	WET	NORM
1982	1.41	0.71	7.28	2.93	4.36	1.87	1.36	24.67	24.06	26.22	17.26	12.18	WET	WET	WET	WET	WET
1983	1.65	1.54	3.36	3.24	1.87	1.08	0.29	14.81	17.98	15.45	10.22	4.90	NORM	NORM	NORM	NORM	DRY
1984	0.54	2.18	2.38	3.56	1.29	1.35	1.26	12.04	17.62	13.37	10.19	7.77	NORM	NORM	NORM	NORM	NORM
1985	0.86	0.91	0.42	1.58	2.00	1.46	1.88	3.94	6.49	9.58	9.96	10.56	DRY	DRY	DRY	NORM	NORM
1986	1.38	4.38	2.01	4.15	2.51	2.93	3.53	16.17	20.85	17.84	17.96	18.96	NORM	NORM	NORM	WET	WET
1987	2.83	0.62	3.52	0.73	1.78	1.36	0.41	14.63	9.85	10.32	8.37	5.73	NORM	DRY	NORM	NORM	NORM
1988	0.30	0.43	3.55	2.93	0.30	0.98	0.79	11.81	16.32	10.31	6.47	4.63	NORM	NORM	NORM	DRY	DRY
1989	1.49	2.01	1.07	0.71	1.93	0.74	4.08	8.72	6.28	8.28	6.79	15.65	NORM	DRY	DRY	DRY	WET
1990	1.11	0.72	4.04	2.72	2.98	1.58	0.54	14.67	16.96	18.42	13.42	7.76	NORM	NORM	NORM	NORM	NORM
1991	0.36	1.92	6.52	7.75	0.98	2.26	1.66	23.76	38.21	24.96	16.49	10.48	WET	WET	WET	WET	NORM
1992	1.52	1.10	1.53	3.15	3.98	1.33	0.16	8.31	13.61	19.77	15.10	7.12	DRY	NORM	WET	NORM	NORM
1993	0.36	4.14	2.69	4.72	4.48	2.51	2.62	16.71	23.68	25.57	21.21	17.36	NORM	WET	WET	WET	WET
1994	0.12	1.59	2.26	3.60	1.90	3.10	0.50	10.08	16.91	15.16	16.70	9.60	NORM	NORM	NORM	WET	NORM
1995	0.96	3.27	6.28	3.66	1.75	0.82	0.86	26.34	26.81	18.85	9.62	5.97	WET	WET	NORM	NORM	NORM
1996	0.66	1.33	6.79	2.55	0.80	0.97	3.16	23.69	22.56	14.29	7.06	12.22	WET	WET	NORM	DRY	WET
1997	0.39	2.39	4.71	3.94	5.48	2.97	0.92	19.30	23.63	29.03	23.81	14.18	WET	WET	WET	WET	WET
1998	3.11	0.12	4.01	5.68	3.99	2.33	0.82	15.38	25.18	27.34	20.65	11.11	NORM	WET	WET	WET	NORM
1999	1.30	3.04	2.53	6.46	3.00	3.40	3.11	14.97	27.48	24.45	22.66	19.13	NORM	WET	WET	WET	WET
2000	2.41	4.64	1.20	1.76	2.32	1.03	0.24	15.29	12.32	11.68	9.49	5.10	NORM	NORM	NORM	NORM	NORM
2001	0.47	2.49	2.00	3.72	5.59	1.04	0.34	11.45	17.65	26.21	18.02	8.69	NORM	NORM	WET	WET	NORM
2002	1.03	0.96	2.31	0.64	0.34	1.81	2.66	9.88	7.50	4.61	6.75	11.94	NORM	DRY	DRY	DRY	WET
2003	1.10	2.66	2.88	2.55	2.18	0.43	1.10	15.06	16.07	14.52	8.20	6.34	NORM	NORM	NORM	DRY	NORM
2004	0.93	0.28	1.78	1.89	1.68	0.43	4.09	6.83	9.51	10.60	6.54	14.81	DRY	DRY	NORM	DRY	WET
2005	1.36	3.05	5.02	2.31	1.98	1.53	0.55	22.52	20.02	15.58	10.86	6.69	WET	NORM	NORM	NORM	NORM
2006	2.05	2.29	1.01	0.84	0.38	1.69	3.05	9.66	6.83	3.83	6.67	12.91	NORM	DRY	DRY	DRY	WET
2007	1.83	0.53	4.85	2.98	0.29	3.01	0.61	17.44	19.17	11.68	12.59	8.14	NORM	NORM	NORM	NORM	NORM
2008	0.46	1.38	3.69	5.32	3.93	0.37	2.76	14.29	24.72	26.12	14.29	12.95	NORM	WET	WET	NORM	WET
2009	2.55	2.54	0.50	2.33	1.07	0.99	0.08	9.13	10.53	8.37	7.44	3.29	NORM	NORM	DRY	DRY	DRY
2010	1.74	3.54	2.45	2.92	1.26	1.38	0.84	16.17	17.20	12.07	9.58	6.54	NORM	NORM	NORM	NORM	NORM
2011	1.00	2.08	4.19	4.88	3.03	1.82	1.59	17.73	25.10	23.04	16.40	11.44	NORM	WET	WET	WET	NORM
2012	0.09	2.61	2.64	4.29	0.15	0.35	0.01	13.23	20.76	11.67	5.64	0.88	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.41	1.11	1.36
April	1.14	2.09	2.55
May	1.89	3.19	3.87
June	1.75	2.94	3.57
July	1.51	2.36	2.84
August	1.16	1.78	2.14
Sept.	0.42	1.24	1.48
Jun-MAM	8.36	14.86	18.07
Jul-JMA	10.17	17.29	21.00
Aug-JJM	9.92	16.15	19.53
Sep-AJJ	8.25	13.00	15.67
Oct-SAJ	5.09	9.64	11.56

Normals are for 1971-2000 data

March	1.11
April	2.09
May	3.19
June	2.94
July	2.36
August	1.78
Sept.	1.24

NOTE:

Cedar Butte / Cedar Butte 1 NE NWS Station (SD1539) was used for Sept. 1984 and July 2002.

Cottonwood 2 E NWS Station (SD1972) was used for March 2007 and April 2008.

Rainfall Data
Ipswich
Station #SD4206
Edmunds County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.92	1.37	1.45	1.99	1.24	6.04	0.93	8.01	10.24	9.15	22.59	16.11	NORM	DRY	DRY	WET	WET
1981	2.46	0.24	2.28	3.18	3.92	1.59	1.40	9.78	14.34	20.40	15.79	11.30	NORM	NORM	NORM	NORM	NORM
1982	1.49	1.12	3.37	3.32	2.88	1.40	0.88	13.84	17.82	18.65	13.28	8.32	NORM	NORM	NORM	NORM	NORM
1983	1.86	1.24	1.48	3.64	4.63	3.03	1.44	8.78	15.12	22.65	21.99	15.01	NORM	NORM	WET	WET	NORM
1984	1.94	2.94	1.78	7.05	1.81	2.34	0.96	13.16	27.65	21.31	17.69	9.37	NORM	WET	NORM	NORM	NORM
1985	1.36	1.14	3.71	2.07	1.47	3.57	3.14	14.77	14.77	12.26	15.72	18.03	NORM	NORM	NORM	NORM	WET
1986	0.39	6.10	3.10	3.85	3.14	2.53	2.06	21.89	23.85	20.22	17.72	14.38	WET	WET	NORM	NORM	NORM
1987	1.61	0.00	1.41	0.96	3.70	1.85	0.49	5.84	5.70	14.43	13.91	8.87	DRY	DRY	NORM	NORM	NORM
1988	0.07	0.19	1.67	1.19	1.63	1.68	2.50	5.46	7.10	8.94	9.49	12.49	DRY	DRY	DRY	NORM	NORM
1989	1.79	2.60	0.57	5.91	1.88	3.33	2.74	8.70	21.47	18.03	19.66	16.76	NORM	WET	NORM	WET	WET
1990	0.82	1.98	1.92	6.71	1.27	2.02	2.54	10.54	25.95	19.15	15.31	12.93	NORM	WET	NORM	NORM	NORM
1991	0.70	2.85	7.22	4.30	0.40	1.14	0.49	28.06	30.19	17.02	8.52	4.15	WET	WET	NORM	DRY	DRY
1992	0.49	0.31	1.52	5.31	3.59	1.74	0.95	5.67	19.28	22.91	17.71	9.92	DRY	NORM	WET	NORM	NORM
1993	0.25	1.14	2.08	4.21	10.65	4.65	1.41	8.77	17.93	42.45	39.46	24.18	NORM	NORM	WET	WET	WET
1994	0.54	2.57	0.58	1.11	8.67	3.93	2.01	7.42	7.06	28.81	30.24	22.56	DRY	DRY	WET	WET	WET
1995	2.01	3.01	5.45	1.55	2.84	2.36	1.09	24.38	18.56	17.07	14.31	10.83	WET	NORM	NORM	NORM	NORM
1996	1.11	0.35	3.50	2.62	2.30	0.19	6.43	12.31	15.21	15.64	7.79	21.97	NORM	NORM	NORM	DRY	WET
1997	0.70	2.27	2.11	4.24	2.55	2.03	0.49	11.57	19.21	18.24	15.43	8.08	NORM	NORM	NORM	NORM	NORM
1998	1.10	1.12	2.91	4.34	4.21	3.82	0.10	12.07	19.96	24.22	24.22	12.15	NORM	NORM	WET	WET	NORM
1999	1.34	2.39	4.57	5.13	3.66	2.01	5.40	19.83	26.92	25.81	18.48	23.88	WET	WET	WET	NORM	WET
2000	1.75	1.62	2.47	3.02	4.25	2.74	0.43	12.40	15.62	21.26	19.74	11.02	NORM	NORM	NORM	WET	NORM
2001	0.09	2.71	1.97	2.69	3.53	1.33	1.62	11.42	14.72	17.94	13.74	11.05	NORM	NORM	NORM	NORM	NORM
2002	0.8	1.02	1.08	0.76	3.14	4.67	0.72	6.08	5.46	12.02	21.05	14.64	DRY	DRY	NORM	WET	NORM
2003	0.68	2.23	5.41	4.02	2.06	1.20	0.90	21.37	25.11	19.63	11.74	7.16	WET	WET	NORM	NORM	NORM
2004	1.84	0.67	3.62	2.89	3.61	1.54	3.39	14.04	16.58	20.23	14.73	16.86	NORM	NORM	NORM	NORM	WET
2005	0.15	0.26	2.28	5.96	1.5	3.33	1.47	7.51	22.70	18.70	18.95	12.57	NORM	WET	NORM	NORM	NORM
2006	0.83	1.58	0.55	2.02	1.21	2.26	3.18	5.64	8.74	8.22	11.22	15.27	DRY	DRY	DRY	NORM	WET
2007	1.28	1.92	2.92	1.84	0.63	2.99	1.43	13.88	13.28	8.49	12.07	10.90	NORM	NORM	DRY	NORM	NORM
2008	1.31	1.73	1.56	4.59	4.81	1.31	2.94	9.45	18.62	25.17	18.14	16.25	NORM	NORM	WET	NORM	WET
2009	1.17	1.46	0.52	6.11	3.98	3.57	3.86	5.65	20.83	24.68	24.78	22.70	DRY	NORM	WET	WET	WET
2010	1.04	1.26	5.51	2.81	1.02	1.61	4.65	20.09	20.71	14.19	9.68	18.19	WET	NORM	NORM	NORM	WET
2011	1.48	2.85	2.92	6.30	6.19	1.73	1.28	15.94	27.59	34.09	23.87	13.49	NORM	WET	WET	WET	NORM
2012	0.12	4.47	3.17	1.25	1.61	1.92	0.00	18.57	14.56	10.50	10.23	5.45	WET	NORM	DRY	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.61	1.21	1.48
April	0.98	1.91	2.35
May	1.64	2.70	3.27
June	2.13	3.44	4.16
July	1.65	3.02	3.68
August	1.24	2.22	2.70
Sept.	0.61	1.64	1.98
Jun-MAM	7.49	13.13	15.99
Jul-JMA	10.65	17.63	21.37
Aug-JJM	10.85	18.64	22.63
Sep-AJJ	9.15	16.14	19.62
Oct-SAJ	5.96	12.38	15.02

Normals are for 1971-2000 data

March	1.21
April	1.91
May	2.70
June	3.44
July	3.02
August	2.22
Sept.	1.64

NOTE:
Aberdeen WSO AP NWS Station (SD0020) was used for March 1984.

Rainfall Data
Iroquois
Station #SD4254
Kingsbury County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.63	1.23	1.04	5.55	1.84	3.75	0.41	6.21	19.96	17.66	20.48	10.57	DRY	NORM	NORM	WET	NORM
1981	1.77	0.86	0.86	2.46	3.19	3.00	1.00	6.07	9.96	15.35	17.84	12.19	DRY	DRY	NORM	NORM	NORM
1982	0.83	1.58	7.13	1.64	5.11	3.52	2.86	25.38	20.76	25.74	22.42	20.73	WET	NORM	WET	WET	WET
1983	1.83	0.84	0.67	4.17	3.04	2.01	2.65	5.52	14.69	18.13	16.28	15.01	DRY	NORM	NORM	NORM	NORM
1984	1.15	3.32	2.03	8.75	1.33	2.88	0.71	13.88	33.63	23.52	20.05	9.22	NORM	WET	WET	WET	NORM
1985	3.86	1.86	2.03	2.36	1.72	3.63	4.87	13.67	13.00	11.91	16.69	23.59	NORM	NORM	NORM	NORM	WET
1986	1.67	6.47	2.71	4.04	6.79	4.46	5.18	22.74	24.01	31.16	31.00	31.25	WET	WET	WET	WET	WET
1987	4.52	0.71	1.20	1.73	4.51	2.15	1.60	9.54	8.30	18.19	17.20	13.61	NORM	DRY	NORM	NORM	NORM
1988	2.05	1.88	3.02	2.27	1.69	3.08	3.09	14.87	14.73	12.63	14.89	17.12	NORM	NORM	NORM	NORM	WET
1989	1.78	2.75	2.58	3.69	1.47	2.77	1.47	15.02	18.98	14.37	14.94	11.42	NORM	NORM	NORM	NORM	NORM
1990	1.00	0.91	4.33	7.88	4.05	0.82	0.29	15.81	33.21	32.24	18.44	6.56	NORM	WET	WET	NORM	DRY
1991	0.81	3.26	4.92	6.72	2.35	2.50	1.81	22.09	33.26	25.41	18.92	12.78	WET	WET	WET	NORM	NORM
1992	1.45	2.17	0.67	2.51	4.27	1.97	2.78	7.80	11.04	18.50	16.96	16.55	DRY	DRY	NORM	NORM	WET
1993	1.48	2.40	3.17	7.45	4.58	0.81	1.70	15.79	31.09	31.81	19.04	11.30	NORM	WET	WET	NORM	NORM
1994	0.28	2.94	0.91	3.34	2.60	2.80	2.25	8.89	14.78	15.39	16.94	14.95	NORM	NORM	NORM	NORM	NORM
1995	3.31	5.12	4.22	1.39	5.45	1.71	2.12	26.21	17.73	23.35	17.42	15.23	WET	NORM	WET	NORM	NORM
1996	0.55	0.52	3.96	1.80	2.15	0.90	3.73	13.47	13.84	14.01	8.80	15.14	NORM	NORM	NORM	DRY	NORM
1997	0.26	2.50	2.45	1.92	5.50	0.64	4.95	12.61	13.16	22.79	14.84	21.63	NORM	NORM	NORM	NORM	WET
1998	1.50	1.66	1.89	3.63	1.82	1.80	0.00	10.49	16.33	14.61	12.67	5.42	NORM	NORM	NORM	NORM	DRY
1999	0.25	1.48	1.10	4.09	3.37	1.74	2.10	6.51	15.95	19.39	16.05	13.15	DRY	NORM	NORM	NORM	NORM
2000	0.33	2.33	4.20	2.98	4.50	1.79	0.37	17.59	19.67	23.66	17.35	9.19	NORM	NORM	WET	NORM	NORM
2001	0.63	6.40	2.05	4.91	1.67	1.36	1.58	19.58	25.23	16.88	12.33	9.13	WET	WET	NORM	NORM	NORM
2002	1.40	1.36	1.99	1.88	1.85	5.01	1.28	10.09	10.98	11.30	20.61	15.71	NORM	DRY	DRY	WET	NORM
2003	0.43	2.14	2.51	4.58	1.49	1.17	1.30	12.24	20.90	16.14	11.07	7.73	NORM	NORM	NORM	NORM	NORM
2004	2.34	1.77	6.59	2.82	3.63	2.57	4.58	25.65	23.41	23.12	17.79	22.51	WET	WET	WET	NORM	WET
2005	0.12	0.52	1.66	3.62	2.32	1.63	8.27	6.14	14.70	15.86	13.15	30.39	DRY	NORM	NORM	NORM	WET
2006	0.95	1.73	0.98	1.30	0.60	5.68	4.61	7.35	7.59	5.38	19.54	25.79	DRY	DRY	DRY	WET	WET
2007	2.63	3.77	6.71	2.55	0.89	4.60	2.29	30.30	24.84	14.48	18.13	16.96	WET	WET	NORM	NORM	WET
2008	0.85	2.25	2.01	3.10	1.81	1.50	2.24	11.38	15.57	13.64	11.22	11.53	NORM	NORM	NORM	NORM	NORM
2009	1.15	1.30	3.23	3.92	4.19	2.05	2.16	13.44	19.52	23.64	18.45	14.77	NORM	NORM	WET	NORM	NORM
2010	1.79	1.59	3.12	9.65	6.88	2.38	2.75	14.33	36.78	43.06	30.55	19.89	NORM	WET	WET	WET	WET
2011	0.98	3.12	3.44	3.73	5.31	2.24	0.22	17.54	21.19	26.83	21.07	10.45	NORM	NORM	WET	WET	NORM
2012	0.52	4.18	3.05	2.98	1.17	2.98	0.61	18.03	19.22	12.52	14.26	8.96	WET	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.66	1.44	1.77
April	1.40	2.24	2.70
May	1.57	2.87	3.50
June	2.19	3.36	4.03
July	1.79	3.13	3.81
August	1.28	2.08	2.52
Sept.	0.90	2.02	2.49
Jun-MAM	8.17	14.53	17.67
Jul-JMA	11.11	18.06	21.79
Aug-JJM	11.32	18.98	22.99
Sep-AJJ	9.61	15.86	19.21
Oct-SAJ	7.05	13.35	16.32

Normals are for 1971-2000 data

March	1.44
April	2.24
May	2.87
June	3.36
July	3.13
August	2.08
Sept.	2.02

NOTE:
Huron AP NWS Station (SD4127) was used for March, May, and June 1985; July and August 1998; and Sept. 1999.

Rainfall Data
Kennebec
Station #SD4516
Lyman County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.53	0.40	0.66	3.36	1.05	4.15	0.17	3.31	11.80	10.53	17.91	9.86	DRY	NORM	DRY	WET	NORM
2	1981	1.31	0.17	2.05	1.53	3.72	1.96	0.24	7.80	8.86	16.27	14.85	8.36	DRY	DRY	NORM	NORM	NORM
3	1982	1.21	0.54	7.69	2.67	3.63	2.40	1.65	25.36	23.93	23.92	17.13	13.38	WET	WET	WET	NORM	NORM
4	1983	1.83	0.87	2.81	4.13	1.04	0.89	1.75	12.00	18.88	14.19	8.88	8.07	NORM	NORM	NORM	NORM	NORM
5	1984	0.92	4.56	2.10	4.01	3.19	2.12	0.88	16.34	20.79	19.69	16.75	10.07	NORM	WET	NORM	NORM	NORM
6	1985	1.38	0.75	1.83	3.20	3.55	2.30	2.76	8.37	14.01	18.88	17.20	16.43	NORM	NORM	NORM	NORM	WET
7	1986	1.32	4.58	6.27	2.26	1.99	1.65	2.75	29.29	23.90	16.76	11.19	13.54	WET	WET	NORM	NORM	WET
8	1987	3.77	0.65	2.21	1.84	1.54	2.19	0.48	11.70	10.59	10.51	11.49	7.36	NORM	NORM	DRY	NORM	NORM
9	1988	0.98	1.52	4.21	2.64	0.98	0.55	1.33	16.65	17.86	12.43	6.25	6.07	NORM	NORM	NORM	DRY	NORM
10	1989	0.85	1.43	0.63	0.71	2.46	0.89	3.41	5.60	4.82	9.43	8.30	14.47	DRY	DRY	DRY	DRY	WET
11	1990	1.71	2.00	4.26	3.81	2.48	2.41	1.12	18.49	21.95	19.32	16.00	10.66	WET	WET	NORM	NORM	NORM
12	1991	1.16	3.23	5.19	4.21	0.41	2.59	2.07	23.19	26.24	14.84	12.80	11.80	WET	WET	NORM	NORM	NORM
13	1992	1.12	0.54	1.26	4.21	4.05	1.60	1.55	5.98	15.69	21.83	17.11	11.90	DRY	NORM	WET	NORM	NORM
14	1993	1.93	3.69	2.85	5.90	3.74	0.77	1.51	17.86	27.09	25.87	15.69	9.81	WET	WET	WET	NORM	NORM
15	1994	0.10	1.90	1.12	3.07	1.96	3.15	0.82	7.26	13.35	13.14	16.44	10.72	DRY	NORM	NORM	NORM	NORM
16	1995	1.13	4.90	5.45	3.67	1.35	1.09	1.41	27.28	26.81	16.84	9.64	7.76	WET	WET	NORM	NORM	NORM
17	1996	0.28	0.68	4.34	1.61	2.79	0.85	5.50	14.66	14.19	15.93	9.74	20.99	NORM	NORM	NORM	NORM	WET
18	1997	0.10	3.04	3.54	5.39	5.86	1.35	1.26	16.80	26.29	31.90	21.16	12.34	NORM	WET	WET	WET	NORM
19	1998	1.47	0.98	1.94	5.61	6.48	2.07	0.20	9.25	21.69	32.60	24.78	11.22	NORM	WET	WET	WET	NORM
20	1999	0.59	3.29	6.79	2.86	1.18	6.31	2.73	27.54	25.45	16.05	24.15	21.99	WET	WET	NORM	WET	WET
21	2000	0.38	1.64	1.72	2.47	2.60	0.96	0.41	8.82	12.49	14.46	10.55	5.75	NORM	NORM	NORM	NORM	DRY
22	2001	0.19	6.18	3.24	2.42	3.04	0.41	2.82	22.27	19.92	17.20	9.73	12.32	WET	NORM	NORM	NORM	NORM
23	2002	0.93	1.13	1.34	0.76	0.98	3.10	2.14	7.21	6.09	5.80	12.02	13.60	DRY	DRY	DRY	NORM	WET
24	2003	0.34	4.27	2.22	4.49	2.38	0.90	0.95	15.54	22.18	18.34	11.95	7.03	NORM	WET	NORM	NORM	NORM
25	2004	3.13	0.16	2.60	4.52	1.83	1.58	3.98	11.25	18.92	17.13	12.92	16.93	NORM	NORM	NORM	NORM	WET
26	2005	1	4.34	4.54	4.67	0.46	1.61	1.23	23.30	27.43	15.26	10.42	7.37	WET	WET	NORM	NORM	NORM
27	2006	1.30	1.20	0.26	1.16	0.99	3.81	2.26	4.48	5.20	5.55	14.57	15.39	DRY	DRY	DRY	NORM	WET
28	2007	4.29	1.30	4.72	2.50	0.12	3.80	0.80	21.05	18.24	10.08	14.14	10.12	WET	NORM	DRY	NORM	NORM
29	2008	0.84	1.23	4.30	4.68	2.07	0.98	1.84	16.20	23.87	19.87	11.76	9.55	NORM	WET	NORM	NORM	NORM
30	2009	1.02	1.54	0.74	5.18	3.43	2.54	0.41	6.32	18.56	21.39	19.66	9.74	DRY	NORM	WET	WET	NORM
31	2010	1.20	2.52	3.23	6.01	4.44	1.15	2.82	15.93	27.01	28.57	18.34	15.20	NORM	WET	WET	WET	WET
32	2011	0.64	1.93	3.77	5.05	2.09	3.73	0.29	15.81	24.62	20.14	20.42	10.42	NORM	WET	NORM	WET	NORM
33	2012	0.17	3.46	2.96	1.90	1.45	0.59	0.17	15.97	15.08	11.11	6.57	3.14	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.52	1.24	1.52
April	1.06	2.06	2.52
May	1.78	3.02	3.67
June	1.84	2.98	3.61
July	1.71	2.78	3.36
August	1.12	2.02	2.46
Sept.	0.65	1.43	1.75
Jun-MAM	7.98	14.42	17.57
Jul-JMA	10.14	17.04	20.69
Aug-JJM	10.59	17.32	20.97
Sep-AJJ	8.62	14.60	17.71
Oct-SAJ	5.90	11.11	13.53

Normals are for 1971-2000 data

March	1.24
April	2.06
May	3.02
June	2.98
July	2.78
August	2.02
Sept.	1.43

Rainfall Data
Kirley 6 N
Station #SD4596
Haakon County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.60	0.68	0.43	3.25	1.90	2.10	0.69	3.25	11.29	12.63	13.35	8.17	DRY	NORM	NORM	NORM	NORM
1981	0.38	0.07	4.33	2.23	4.18	2.10	0.93	13.51	15.42	21.33	16.89	11.17	NORM	NORM	WET	WET	NORM
1982	2.49	0.61	6.37	2.04	4.54	2.88	1.41	22.82	19.47	24.07	19.76	14.53	WET	NORM	WET	WET	WET
1983	1.42	1.27	3.32	4.87	1.08	2.27	0.83	13.92	22.52	16.30	13.84	8.11	NORM	WET	NORM	NORM	NORM
1984	1.02	1.95	2.31	6.95	1.94	1.88	0.72	11.85	27.42	22.03	16.47	7.86	NORM	WET	WET	WET	NORM
1985	1.51	0.45	0.97	1.55	1.58	2.71	1.22	5.32	7.04	8.81	12.84	10.66	DRY	DRY	DRY	NORM	NORM
1986	1.51	5.93	3.89	3.94	3.70	0.48	3.33	25.04	25.53	22.87	12.78	14.65	WET	WET	WET	NORM	WET
1987	4.25	0.07	4.05	1.96	2.48	3.14	0.42	16.54	14.05	15.41	16.34	10.02	NORM	NORM	NORM	WET	NORM
1988	0.43	0.86	2.86	1.73	1.86	1.74	1.24	10.73	11.77	11.90	10.67	9.06	NORM	NORM	NORM	NORM	NORM
1989	1.79	2.58	0.85	1.10	1.44	0.35	3.47	9.50	7.58	7.37	5.03	12.55	NORM	DRY	DRY	DRY	WET
1990	0.70	1.22	1.46	2.13	1.16	1.72	0.62	7.52	10.53	9.20	9.61	6.46	DRY	DRY	DRY	NORM	NORM
1991	1.21	3.01	4.71	2.92	2.43	1.00	0.38	21.36	21.19	17.84	10.78	5.57	WET	WET	NORM	NORM	NORM
1992	0.95	0.19	1.38	2.80	6.29	2.59	0.65	5.47	11.35	25.85	23.15	13.42	DRY	NORM	WET	WET	WET
1993	1.82	2.35	4.53	3.49	5.26	0.76	1.85	20.11	21.88	27.29	16.29	12.33	WET	WET	WET	WET	WET
1994	0.26	1.71	0.93	4.88	2.10	0.92	0.38	6.47	18.21	16.99	11.84	5.08	DRY	NORM	NORM	NORM	NORM
1995	1.28	3.02	5.37	5.24	1.55	0.10	1.06	23.43	29.48	20.50	8.64	4.93	WET	WET	WET	NORM	NORM
1996	0.81	1.09	6.35	1.41	1.96	1.01	4.63	22.04	18.02	15.05	8.36	17.87	WET	NORM	NORM	NORM	WET
1997	0.37	3.01	4.31	1.16	3.45	3.05	0.79	19.32	15.11	16.98	17.21	11.92	WET	NORM	NORM	WET	NORM
1998	2.24	0.65	1.95	4.33	2.48	1.85	0.47	9.39	17.54	18.05	14.84	7.59	NORM	NORM	NORM	NORM	NORM
1999	0.46	3.73	2.25	2.65	3.24	2.78	2.27	14.67	16.18	17.27	17.47	15.61	NORM	NORM	NORM	WET	WET
2000	2.22	5.13	2.99	2.40	1.63	0.09	0.35	21.45	18.31	12.68	5.93	2.86	WET	NORM	NORM	DRY	DRY
2001	0.13	2.18	2.65	1.69	8.45	0.12	0.75	12.44	12.55	31.38	18.95	10.94	NORM	NORM	WET	WET	NORM
2002	1.46	0.75	1.17	1.17	3.20	1.54	1.59	6.47	6.60	13.11	12.19	11.05	DRY	DRY	NORM	NORM	NORM
2003	0.85	2.89	2.26	2.77	0.74	0.19	0.92	13.41	15.72	10.02	4.82	3.88	NORM	NORM	DRY	DRY	DRY
2004	1.18	0.25	3.55	3.70	2.81	2.60	4.22	12.33	18.45	19.38	17.12	20.67	NORM	NORM	NORM	WET	WET
2005	1.08	1.94	4.4	1.93	1.42	0.93	0.58	18.16	16.53	12.52	7.56	5.02	WET	NORM	NORM	NORM	NORM
2006	2.00	1.61	0.37	1.42	0.37	2.25	3.07	6.33	6.61	4.32	8.91	14.08	DRY	DRY	DRY	NORM	WET
2007	2.03	0.91	1.75	3.66	0.69	1.74	0.49	9.10	15.39	11.14	10.26	5.64	NORM	NORM	NORM	NORM	NORM
2008	0.97	0.98	4.92	8.01	4.09	1.04	2.36	17.69	34.85	33.21	19.31	13.25	WET	WET	WET	WET	WET
2009	2.06	0.72	0.60	2.75	4.58	3.39	0.02	5.30	10.17	19.84	22.08	11.42	DRY	DRY	NORM	WET	NORM
2010	1.74	1.68	3.34	3.48	2.42	0.51	3.95	15.12	18.80	17.56	9.85	15.29	NORM	NORM	NORM	NORM	WET
2011	0.83	2.15	2.96	6.45	1.02	3.46	0.62	14.01	27.42	18.92	18.87	9.80	NORM	WET	NORM	WET	NORM
2012	0.04	1.95	1.63	3.51	1.26	0.63	0.00	8.83	15.74	12.43	7.92	2.52	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.65	1.38	1.68
April	0.83	1.91	2.32
May	1.96	3.10	3.74
June	2.00	2.87	3.41
July	1.51	2.63	3.20
August	0.82	1.71	2.09
Sept.	0.53	1.35	1.64
Jun-MAM	8.19	14.50	17.54
Jul-JMA	10.75	16.72	20.03
Aug-JJM	10.49	16.73	20.16
Sep-AJJ	7.48	13.26	16.08
Oct-SAJ	4.74	10.10	12.30

Normals are for 1971-2000 data

March	1.38
April	1.91
May	3.10
June	2.87
July	2.63
August	1.71
Sept.	1.35

NOTE:
Eagle Butte NWS Station (SD2468) was used for Sept. 2011; and May 2012.

Rainfall Data
Lake Sharpe Project
Station #SD0649
Buffalo County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.97	0.18	1.30	4.74	1.70	3.75	0.36	5.23	17.00	15.88	19.39	10.28	DRY	NORM	NORM	WET	NORM
2	1981	2.41	0.48	1.87	2.27	4.69	1.55	0.53	8.98	11.03	20.48	16.30	9.38	NORM	NORM	NORM	NORM	NORM
3	1982	1.92	0.20	7.05	2.20	3.27	3.20	1.55	23.47	20.90	21.26	18.34	14.32	WET	WET	WET	NORM	NORM
4	1983	2.25	0.33	2.76	4.92	2.28	2.40	1.25	11.19	20.61	19.44	16.68	10.83	NORM	NORM	NORM	NORM	NORM
5	1984	1.74	2.93	1.68	3.78	1.30	4.03	0.87	12.64	17.63	13.14	18.47	11.97	NORM	NORM	NORM	NORM	NORM
6	1985	1.96	0.37	1.86	3.72	1.39	4.06	2.27	8.28	15.25	13.47	18.68	16.32	NORM	NORM	NORM	WET	WET
7	1986	0.99	3.79	1.36	1.67	0.92	1.00	3.90	12.65	11.52	7.46	6.51	14.62	NORM	NORM	DRY	DRY	NORM
8	1987	3.90	0.41	1.25	1.82	1.67	2.22	1.16	8.47	8.37	9.90	11.82	9.59	NORM	DRY	DRY	NORM	NORM
9	1988	0.51	1.81	3.67	0.64	2.19	0.79	1.92	15.14	11.07	11.52	7.39	9.53	NORM	NORM	NORM	DRY	NORM
10	1989	1.25	1.38	0.42	0.90	2.72	0.69	2.97	5.27	4.92	10.38	8.41	13.01	DRY	DRY	DRY	DRY	NORM
11	1990	1.54	1.95	2.93	4.59	1.88	3.42	0.94	14.23	21.58	17.75	18.61	11.54	NORM	WET	NORM	WET	NORM
12	1991	0.89	3.96	6.14	5.09	1.08	2.72	1.34	27.23	31.51	19.56	15.41	10.54	WET	WET	NORM	NORM	NORM
13	1992	1.15	0.40	0.47	2.13	5.79	2.50	2.11	3.36	7.73	22.10	21.21	17.12	DRY	DRY	WET	WET	WET
14	1993	1.15	3.59	3.07	5.42	6.07	0.87	1.91	17.54	25.99	32.12	20.17	13.54	WET	WET	WET	WET	NORM
15	1994	0.00	1.45	0.75	3.60	2.63	1.53	0.83	5.15	13.75	15.84	13.45	8.18	DRY	NORM	NORM	NORM	NORM
16	1995	1.71	4.83	5.27	3.18	2.44	3.49	2.69	27.18	24.91	18.95	18.53	17.49	WET	WET	NORM	NORM	WET
17	1996	0.92	0.70	4.00	0.97	3.72	0.87	3.74	14.32	11.61	17.10	11.02	16.68	NORM	NORM	NORM	NORM	WET
18	1997	0.06	3.02	3.82	7.08	4.44	2.17	1.54	17.56	31.90	31.30	22.47	13.40	WET	WET	WET	WET	NORM
19	1998	2.39	1.48	3.05	7.28	3.03	2.38	0.20	14.50	29.42	26.70	20.48	8.39	NORM	WET	WET	WET	NORM
20	1999	0.62	2.57	7.62	3.90	2.37	2.52	2.32	28.62	29.51	22.53	16.20	14.37	WET	WET	WET	NORM	NORM
21	2000	0.28	1.14	2.23	2.96	2.68	1.69	1.10	9.25	14.48	16.19	13.39	9.36	NORM	NORM	NORM	NORM	NORM
22	2001	0.70	4.13	3.25	2.82	1.94	0.02	2.55	18.71	19.09	14.71	6.76	9.63	WET	NORM	NORM	DRY	NORM
23	2002	0.56	0.95	1.20	2.82	0.98	2.42	1.98	6.06	11.81	9.78	12.04	11.76	DRY	NORM	DRY	NORM	NORM
24	2003	0.37	1.94	2.09	4.72	1.20	3.02	1.96	10.52	20.28	15.13	16.18	13.12	NORM	NORM	NORM	NORM	NORM
25	2004	2.34	0.35	2.54	3.58	4.66	4.47	4.71	10.66	16.17	23.68	26.31	27.73	NORM	NORM	WET	WET	WET
26	2005	0.64	1.61	4.51	5.17	0.47	1.22	2.88	17.39	26.14	16.26	9.77	11.55	WET	WET	NORM	NORM	NORM
27	2006	1.09	0.64	0.58	2.52	0.88	3.80	2.44	4.11	9.36	8.26	15.68	15.80	DRY	DRY	DRY	NORM	WET
28	2007	2.45	1.34	4.96	2.83	0.28	3.03	1.07	20.01	19.75	11.46	12.48	9.55	WET	NORM	NORM	NORM	NORM
29	2008	0.98	1.06	3.88	6.47	2.95	0.92	2.28	14.74	28.23	25.67	15.13	11.63	NORM	WET	WET	NORM	NORM
30	2009	1.72	1.06	0.58	4.68	2.51	5.48	0.32	5.58	16.26	17.47	26.14	14.43	DRY	NORM	NORM	WET	NORM
31	2010	1.08	2.33	4.26	6.54	4.83	2.29	3.19	18.52	30.47	31.83	23.07	18.98	WET	WET	WET	WET	WET
32	2011	0.78	2.07	2.50	6.88	2.76	0.89	0.20	12.42	27.71	24.54	15.07	5.14	NORM	WET	WET	NORM	DRY
33	2012	0.20	3.61	2.85	1.55	2.39	0.49	0.06	15.97	13.96	13.12	7.80	3.55	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.39	1.04	1.27
April	0.91	1.83	2.24
May	1.65	2.90	3.54
June	1.95	3.14	3.80
July	1.85	2.72	3.24
August	1.32	2.26	2.75
Sept.	0.70	1.65	2.01
Jun-MAM	7.16	13.40	16.37
Jul-JMA	10.06	17.05	20.72
Aug-JJM	11.10	17.34	20.86
Sep-AJJ	9.61	15.36	18.53
Oct-SAJ	6.59	12.19	14.77

Normals are for 1971-2000 data

March	1.04
April	1.83
May	2.90
June	3.14
July	2.72
August	2.26
Sept.	1.65

NOTE:

Stephan 2 NW NWS Station (SD7992) was used for March 1983, March - April 1984, July 1984, Sept. 1984, April 1985, Sept. 1986, April 1987, March 1989, Sept. 1990, April 1991, March - May 1993, Sept. 1993, May 1994, March 1995, May 1995, March 1996, April - May 1997, Sept. 1997, March - April 1998, April - May 1999, Aug. 1999, April 2000, April 2001, Sept. 2001, June 2002, April - June 2003, Sept. 2008, and March-Aug. 2011.

Gann Valley NWS Station (SD3211) was used for Sept. 2011.

Rainfall Data
Lead
Station #SD4834
Lawrence County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	1.42	2.15	3.06	2.66	1.29	2.74	1.16	14.90	16.25	12.25	13.46	10.25	DRY	NORM	DRY	NORM	NORM
2	1981	0.18	0.62	6.36	2.36	4.40	1.24	1.51	20.50	20.42	24.28	14.88	11.41	NORM	NORM	WET	NORM	NORM
3	1982	2.48	2.42	12.26	3.02	3.31	2.58	2.63	44.10	36.00	28.23	17.38	16.36	WET	WET	WET	NORM	WET
4	1983	3.11	3.03	4.02	1.34	1.64	4.83	0.82	21.23	15.09	11.62	19.11	13.76	NORM	NORM	DRY	WET	NORM
5	1984	2.76	6.62	2.25	5.78	2.38	1.65	0.97	22.75	28.46	20.95	15.49	8.59	NORM	NORM	NORM	NORM	NORM
6	1985	2.56	1.57	3.05	2.44	0.74	0.29	2.61	14.85	14.99	10.15	4.79	9.15	DRY	NORM	DRY	DRY	NORM
7	1986	1.12	6.90	2.33	4.98	2.57	0.54	4.38	21.91	26.50	20.00	11.74	16.79	NORM	NORM	NORM	NORM	WET
8	1987	4.38	1.10	4.80	1.03	1.07	4.49	1.37	20.98	13.79	10.07	16.64	14.16	NORM	DRY	DRY	NORM	NORM
9	1988	5.46	1.00	3.97	2.61	0.80	1.48	2.79	19.37	16.77	11.59	8.65	12.13	NORM	NORM	DRY	DRY	NORM
10	1989	2.14	5.98	3.09	3.16	2.98	1.63	2.20	23.37	21.64	18.35	14.01	12.84	NORM	NORM	NORM	NORM	NORM
11	1990	1.97	3.30	3.52	1.55	2.78	0.55	1.25	19.13	14.99	14.96	8.76	7.63	NORM	NORM	NORM	DRY	NORM
12	1991	1.86	3.91	5.39	2.62	1.63	0.62	0.61	25.85	22.55	15.52	7.74	4.70	NORM	NORM	NORM	DRY	DRY
13	1992	2.38	4.31	2.74	3.11	2.11	1.27	0.98	19.22	19.12	15.29	11.14	7.59	NORM	NORM	NORM	NORM	NORM
14	1993	1.79	4.22	4.50	7.63	5.66	2.37	1.51	23.73	36.11	36.74	26.06	14.93	NORM	WET	WET	WET	WET
15	1994	2.66	4.42	1.82	1.18	3.25	0.61	0.90	16.96	11.60	13.93	9.51	7.17	NORM	DRY	NORM	NORM	NORM
16	1995	2.23	4.13	10.73	4.13	5.54	0.79	1.91	42.68	37.98	35.61	17.58	12.85	WET	WET	WET	NORM	NORM
17	1996	4.00	2.61	6.12	1.95	1.99	4.04	2.85	27.58	20.70	15.99	18.05	18.62	NORM	NORM	NORM	NORM	WET
18	1997	2.02	4.99	4.33	1.90	8.29	2.00	0.77	24.99	19.35	33.00	24.48	14.60	NORM	NORM	WET	WET	WET
19	1998	2.50	1.17	1.77	9.95	3.37	5.56	2.57	10.15	34.56	31.78	33.37	22.20	DRY	WET	WET	WET	WET
20	1999	1.58	4.45	3.79	7.48	1.79	3.36	1.11	21.85	34.47	24.12	21.14	11.84	NORM	WET	NORM	WET	NORM
21	2000	2.91	5.42	4.16	3.93	2.38	0.73	1.59	26.23	25.53	19.16	10.88	8.61	NORM	NORM	NORM	NORM	NORM
22	2001	2.59	2.32	3.35	3.37	4.25	1.31	0.92	17.28	19.13	22.84	15.80	9.63	NORM	NORM	NORM	NORM	NORM
23	2002	2.15	2.67	2.36	0.65	0.62	2.24	5.40	14.57	9.34	5.52	8.61	21.30	DRY	DRY	DRY	DRY	WET
24	2003	1.93	1.97	4.29	5.42	0.84	1.05	3.14	18.74	26.81	17.65	10.25	12.36	NORM	NORM	NORM	NORM	NORM
25	2004	2.25	2.04	2.45	0.72	5.71	1.30	1.43	13.68	9.10	21.02	16.04	12.60	DRY	DRY	NORM	NORM	NORM
26	2005	2.23	3.56	6.97	3.12	1.22	2.75	1.5	30.26	26.86	16.87	13.81	11.22	WET	NORM	NORM	NORM	NORM
27	2006	2.57	9.00	4.01	0.82	1.01	1.96	6.77	32.60	19.48	8.68	8.72	25.24	WET	NORM	DRY	DRY	WET
28	2007	2.84	1.96	6.27	6.42	2.65	2.98	0.79	25.57	33.76	27.06	20.66	10.98	NORM	WET	WET	WET	NORM
29	2008	2.26	3.47	10.18	5.98	2.61	2.85	1.79	39.74	41.77	29.97	19.75	13.68	WET	WET	WET	WET	NORM
30	2009	5.12	2.95	2.20	3.73	3.33	3.20	1.91	17.62	18.54	19.65	19.99	15.46	NORM	NORM	NORM	WET	WET
31	2010	1.17	5.19	5.90	4.49	1.10	2.24	0.65	29.25	30.46	18.18	13.41	7.53	WET	WET	NORM	NORM	NORM
32	2011	1.52	3.20	7.33	2.93	1.71	2.33	0.77	29.91	26.65	18.32	13.34	8.68	WET	NORM	NORM	NORM	NORM
33	2012	0.39	3.60	2.87	1.47	3.38	2.27	0.00	16.20	13.75	15.95	15.04	7.92	NORM	DRY	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	1.53	2.62	3.18
April	2.44	3.78	4.55
May	2.87	4.30	5.14
June	2.27	3.79	4.59
July	1.66	2.73	3.30
August	1.07	2.07	2.53
Sept.	0.93	1.66	2.02
Jun-MAM	15.02	23.08	27.70
Jul-JMA	14.99	23.75	28.60
Aug-JJM	12.39	20.07	24.22
Sep-AJJ	8.80	15.46	18.78
Oct-SAJ	6.59	11.85	14.42

Normals are for 1971-2000 data

March	2.62
April	3.78
May	4.30
June	3.79
July	2.73
August	2.07
Sept.	1.66

Rainfall Data
Lemmon
Station #SD4864
Perkins County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.62	0.50	0.49	2.09	0.48	2.87	0.46	3.09	7.75	6.11	11.66	7.60	DRY	DRY	DRY	NORM	NORM
1981	0.08	0.43	2.26	2.90	3.68	3.61	2.35	7.72	13.65	19.10	21.09	17.95	NORM	NORM	NORM	WET	WET
1982	3.06	1.47	6.24	3.01	1.87	0.81	1.23	24.72	22.98	17.87	9.18	7.18	WET	WET	NORM	NORM	NORM
1983	0.96	1.46	3.42	3.24	3.27	2.34	1.07	14.14	18.02	19.71	16.80	11.16	NORM	NORM	NORM	NORM	NORM
1984	0.74	3.35	0.32	5.91	1.22	4.51	1.44	8.40	21.72	15.80	21.88	14.56	NORM	WET	NORM	WET	WET
1985	1.17	0.96	3.03	2.11	1.86	3.11	0.90	12.18	13.35	12.83	15.16	10.78	NORM	NORM	NORM	NORM	NORM
1986	0.37	4.80	4.19	1.54	2.48	0.20	4.10	22.54	17.80	14.71	7.10	15.18	WET	NORM	NORM	DRY	WET
1987	3.13	0.14	4.38	1.42	4.22	1.32	0.50	16.55	13.16	19.88	13.82	8.36	WET	NORM	NORM	NORM	NORM
1988	1.15	0.12	3.86	4.18	0.45	0.84	0.90	12.97	20.38	13.57	7.60	4.83	NORM	WET	NORM	DRY	DRY
1989	1.72	4.29	1.62	1.73	1.93	2.95	0.80	15.16	12.72	10.87	14.44	10.23	NORM	NORM	NORM	NORM	NORM
1990	0.61	1.25	1.33	2.20	1.37	1.82	0.40	7.10	10.51	9.84	10.40	6.21	NORM	NORM	DRY	NORM	NORM
1991	0.35	2.35	2.23	2.67	4.09	0.19	1.31	11.74	14.82	19.84	11.42	8.40	NORM	NORM	NORM	NORM	NORM
1992	0.85	1.35	1.92	3.58	3.16	2.29	0.48	9.31	15.93	18.56	16.77	9.18	NORM	NORM	NORM	NORM	NORM
1993	0.70	1.28	1.49	3.28	9.64	0.35	0.45	7.73	14.10	36.97	23.61	11.69	NORM	NORM	WET	WET	NORM
1994	1.05	1.81	1.40	2.13	3.02	2.00	1.05	8.87	11.00	14.72	14.17	10.17	NORM	NORM	NORM	NORM	NORM
1995	0.66	1.35	5.79	2.03	2.27	3.27	0.64	20.73	19.02	16.66	16.38	10.73	WET	NORM	NORM	NORM	NORM
1996	0.79	0.48	3.89	1.30	0.78	1.35	4.69	13.42	12.16	8.83	6.91	17.55	NORM	NORM	DRY	DRY	WET
1997	0.22	4.19	0.76	3.36	3.41	2.09	0.61	10.88	15.79	17.71	16.45	9.42	NORM	NORM	NORM	NORM	NORM
1998	0.48	0.34	1.13	3.55	1.56	3.07	0.74	4.55	13.25	12.91	15.88	9.92	DRY	NORM	NORM	NORM	NORM
1999	0.15	1.39	4.28	4.35	2.94	6.90	0.98	15.77	23.00	21.80	30.93	19.68	WET	WET	WET	WET	WET
2000	0.83	2.56	2.37	3.61	2.57	0.18	0.57	13.06	18.13	17.30	9.29	4.64	NORM	NORM	NORM	NORM	DRY
2001	1.10	1.05	2.25	3.06	7.53	0.52	1.72	9.95	14.73	30.96	19.68	13.73	NORM	NORM	WET	WET	WET
2002	0.34	1.39	0.59	1.23	1.91	0.40	0.40	4.89	6.26	8.78	6.25	3.91	DRY	DRY	DRY	DRY	DRY
2003	1.19	1.84	4.07	2.81	0.46	0.65	2.60	17.08	18.41	11.07	5.68	9.56	WET	NORM	NORM	DRY	NORM
2004	0.16	0.49	1.15	1.61	3.38	1.15	1.62	4.59	7.62	14.51	11.82	10.54	DRY	DRY	NORM	NORM	NORM
2005	0.8	1.29	6.09	3.6	1.47	2.55	0.83	21.65	24.27	17.70	14.19	9.06	WET	WET	NORM	NORM	NORM
2006	1.31	2.18	0.84	1.45	0.79	2.03	2.86	8.19	8.21	6.11	9.12	13.43	NORM	DRY	DRY	NORM	WET
2007	1.87	1.62	4.64	3.39	1.12	2.74	0.84	19.03	21.07	14.78	13.85	9.12	WET	WET	NORM	NORM	NORM
2008	0.65	1.40	3.25	5.08	1.94	2.13	1.75	13.20	23.14	19.23	15.35	11.45	NORM	WET	NORM	NORM	NORM
2009	1.87	0.88	2.01	3.13	6.57	1.78	0.70	9.66	14.29	27.98	21.61	12.23	NORM	NORM	WET	WET	NORM
2010	0.51	1.91	4.00	4.88	5.66	3.04	3.43	16.33	24.55	30.74	25.32	22.03	WET	WET	WET	WET	WET
2011	0.85	3.36	3.98	3.07	1.91	2.12	0.28	19.51	20.53	15.85	13.25	6.99	WET	WET	NORM	NORM	NORM
2012	0.49	2.68	1.73	1.45	3.31	1.53	0.08	11.04	10.49	14.56	12.66	6.61	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.51	0.98	1.20
April	0.89	1.86	2.27
May	1.48	2.68	3.26
June	2.17	3.09	3.66
July	1.62	2.68	3.24
August	0.80	1.90	2.31
Sept.	0.62	1.35	1.64
Jun-MAM	6.73	12.74	15.52
Jul-JMA	10.36	16.49	19.77
Aug-JJM	10.68	16.90	20.30
Sep-AJJ	7.81	14.15	17.07
Oct-SAJ	5.08	10.53	12.78

Normals are for 1971-2000 data

March	0.98
April	1.86
May	2.68
June	3.09
July	2.68
August	1.90
Sept.	1.35

Rainfall Data
Leola
Station #SD4891
McPherson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.01	0.90	1.91	1.33	1.68	4.79	0.73	8.54	8.71	9.61	19.06	13.45	NORM	DRY	DRY	WET	NORM
1981	1.59	0.25	2.24	2.63	4.23	2.02	1.38	8.81	12.62	20.19	17.15	12.41	NORM	NORM	NORM	NORM	NORM
1982	2.08	0.79	3.79	2.48	2.55	0.42	1.31	15.03	15.81	16.40	8.84	7.32	NORM	NORM	NORM	NORM	NORM
1983	2.28	1.21	1.23	4.80	3.28	2.67	1.16	8.39	18.07	20.67	19.37	12.10	NORM	NORM	NORM	WET	NORM
1984	2.08	2.89	1.72	5.30	2.20	0.27	0.57	13.02	22.23	18.92	10.51	4.45	NORM	WET	NORM	NORM	DRY
1985	2.07	0.41	2.16	1.41	1.11	1.99	3.14	9.37	8.96	8.31	9.60	14.51	NORM	DRY	DRY	NORM	NORM
1986	0.73	6.66	3.48	2.06	3.42	2.31	3.54	24.49	19.80	17.86	15.83	18.66	WET	NORM	NORM	NORM	WET
1987	1.92	0.03	2.43	1.54	4.96	2.13	0.73	9.27	9.51	20.39	17.85	11.41	NORM	DRY	NORM	NORM	NORM
1988	0.13	0.11	1.49	1.69	0.63	1.67	3.52	4.82	8.16	6.76	7.96	14.53	DRY	DRY	DRY	DRY	NORM
1989	2.50	4.39	1.11	2.26	1.75	2.91	2.00	14.61	13.39	10.88	14.49	13.57	NORM	NORM	NORM	NORM	NORM
1990	0.75	2.09	1.78	5.21	2.30	2.29	2.47	10.27	21.28	19.10	16.68	14.29	NORM	WET	NORM	NORM	NORM
1991	0.82	3.48	5.57	6.10	0.57	0.94	1.64	24.49	32.92	19.48	10.06	7.37	WET	WET	NORM	NORM	NORM
1992	0.96	0.51	1.92	4.72	2.29	1.86	0.82	7.74	18.51	18.23	14.88	8.47	NORM	NORM	NORM	NORM	NORM
1993	0.16	1.00	2.96	4.46	9.16	5.61	1.17	11.04	20.30	39.36	39.61	23.89	NORM	NORM	WET	WET	WET
1994	0.66	2.60	1.10	0.68	6.10	4.09	1.80	9.16	6.84	20.76	25.15	19.68	NORM	DRY	NORM	WET	WET
1995	2.69	2.71	5.86	1.93	3.02	2.21	1.77	25.69	20.22	18.78	14.60	12.75	WET	NORM	NORM	NORM	NORM
1996	1.45	0.39	3.30	1.83	0.72	0.98	7.04	12.13	12.48	9.12	6.21	23.80	NORM	NORM	DRY	DRY	WET
1997	0.63	1.58	1.15	2.69	2.29	0.53	0.61	7.24	11.95	13.40	8.86	5.18	DRY	NORM	NORM	NORM	DRY
1998	1.02	1.65	3.37	4.88	2.00	6.46	0.24	14.43	23.03	19.13	28.26	15.64	NORM	WET	NORM	WET	WET
1999	0.99	2.87	4.72	4.47	4.47	3.55	3.96	20.89	25.72	27.07	24.06	23.45	WET	WET	WET	WET	WET
2000	2.18	1.79	2.71	3.42	3.92	1.99	0.86	13.89	17.47	21.31	17.23	10.48	NORM	NORM	WET	NORM	NORM
2001	0.11	3.27	2.22	2.60	4.91	0.16	1.48	13.31	15.51	22.15	12.90	9.67	NORM	NORM	WET	NORM	NORM
2002	0.65	1.15	1.88	0.41	4.33	2.16	1.14	8.59	6.14	15.69	15.55	12.07	NORM	DRY	NORM	NORM	NORM
2003	0.83	1.85	6.50	3.79	1.74	1.06	1.26	24.03	26.22	19.30	10.45	7.64	WET	WET	NORM	NORM	NORM
2004	1.68	0.81	3.91	3.18	3.97	1.17	3.39	15.03	18.17	22.18	14.63	16.48	NORM	NORM	WET	NORM	WET
2005	0.19	0.70	2.73	8.47	1.79	4.52	1.34	9.78	31.57	25.04	25.61	14.85	NORM	WET	WET	WET	WET
2006	0.36	2.10	1.73	1.38	0.80	6.82	3.17	9.75	9.70	6.89	23.44	23.95	NORM	DRY	DRY	WET	WET
2007	1.31	2.43	3.86	2.63	1.37	2.66	1.66	17.75	18.04	13.23	13.35	11.67	WET	NORM	NORM	NORM	NORM
2008	1.31	0.19	1.61	4.75	3.99	2.79	3.54	6.52	17.66	23.08	21.10	20.19	DRY	NORM	WET	WET	WET
2009	1.55	1.75	1.22	6.05	2.15	8.23	2.85	8.71	22.34	19.77	35.04	27.16	NORM	WET	NORM	WET	WET
2010	0.98	0.86	7.30	2.79	1.42	2.32	5.95	24.60	23.83	17.14	12.59	23.91	WET	WET	NORM	NORM	WET
2011	1.44	2.67	2.80	7.46	5.17	1.63	0.76	15.18	30.65	33.23	22.69	10.71	NORM	WET	WET	WET	NORM
2012	0.26	4.75	1.43	1.91	1.84	1.29	0.05	14.05	13.34	10.77	9.46	4.57	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.67	1.37	1.67
April	0.81	1.95	2.37
May	1.76	2.73	3.29
June	1.85	3.16	3.84
July	1.46	2.71	3.30
August	1.07	2.11	2.58
Sept.	0.67	1.70	2.06
Jun-MAM	7.57	13.46	16.28
Jul-JMA	9.88	16.89	20.47
Aug-JJM	9.84	17.18	20.87
Sep-AJJ	7.98	14.91	18.18
Oct-SAJ	5.61	12.03	14.64

Normals are for 1971-2000 data

March	1.37
April	1.95
May	2.73
June	3.16
July	2.71
August	2.11
Sept.	1.70

Note:

Ipswich NWS Station (SD4206) was used for Sept. 2004; and March 2008.

Leola NWS Station (SD4049) was used for March, May, July-Sept. 2007; and April 2008.

Leola SDSU NWS Station (SD4893) was used for March-Sept. 2009-2012.

Rainfall Data
Long Valley
Station #SD4983
Jackson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.24	1.36	0.96	1.42	1.58	1.99	0.44	6.84	7.54	8.54	10.55	6.88	DRY	DRY	DRY	NORM	NORM
1981	0.68	0.53	1.97	2.60	3.84	3.56	0.38	7.65	12.27	18.69	20.96	12.10	DRY	NORM	NORM	WET	NORM
1982	1.53	0.48	6.98	5.73	3.21	2.13	1.55	23.43	31.63	28.07	18.54	12.12	WET	WET	WET	WET	NORM
1983	1.18	2.55	3.84	3.61	4.30	1.79	0.34	17.80	21.06	23.96	17.58	8.90	NORM	NORM	WET	WET	NORM
1984	0.83	2.06	2.09	3.14	2.80	0.90	1.03	11.22	15.66	16.77	11.44	7.69	NORM	NORM	NORM	NORM	NORM
1985	1.02	1.34	0.22	1.82	1.51	2.24	2.06	4.36	7.24	8.39	11.56	12.17	DRY	DRY	DRY	NORM	NORM
1986	1.85	5.55	1.69	5.12	2.60	2.11	3.79	18.02	24.29	19.73	16.65	18.19	NORM	WET	NORM	WET	WET
1987	3.15	0.36	2.38	0.36	3.62	2.47	1.63	11.01	6.20	13.96	15.01	13.45	NORM	DRY	NORM	NORM	WET
1988	1.67	0.82	4.45	7.09	0.99	0.64	1.23	16.66	30.99	21.60	10.99	5.96	NORM	WET	WET	NORM	DRY
1989	1.15	0.92	1.76	1.10	1.75	0.70	2.73	8.27	7.74	9.21	6.70	11.34	NORM	DRY	DRY	DRY	NORM
1990	1.60	1.08	5.43	4.43	4.01	0.55	0.50	20.05	25.23	26.32	14.10	6.61	WET	WET	WET	NORM	NORM
1991	0.37	3.15	6.27	3.56	0.60	1.71	0.35	25.48	26.37	15.19	9.89	5.07	WET	WET	NORM	NORM	DRY
1992	1.44	0.69	0.91	2.67	3.95	1.50	0.80	5.55	10.52	18.10	15.07	9.35	DRY	NORM	NORM	NORM	NORM
1993	0.39	4.13	1.71	5.62	5.12	2.10	2.40	13.78	24.41	28.31	22.16	16.52	NORM	WET	WET	WET	WET
1994	0.32	1.75	1.90	2.31	3.15	1.15	1.09	9.52	12.48	15.97	12.06	8.72	NORM	NORM	NORM	NORM	NORM
1995	1.77	3.89	6.73	4.53	2.98	0.67	1.73	29.74	30.94	24.73	12.50	9.51	WET	WET	WET	NORM	NORM
1996	0.96	0.89	6.98	1.72	1.94	3.57	3.86	23.68	20.01	16.24	16.31	20.66	WET	NORM	NORM	NORM	WET
1997	0.77	3.32	3.66	6.02	3.56	1.30	0.64	18.39	28.70	26.38	17.04	8.08	WET	WET	WET	WET	NORM
1998	3.56	0.19	3.91	4.47	3.40	1.33	2.08	15.67	21.42	23.05	15.26	12.30	NORM	WET	WET	NORM	NORM
1999	0.80	3.94	2.69	4.15	1.15	1.18	3.18	16.75	21.77	14.44	9.99	13.05	NORM	WET	NORM	NORM	WET
2000	3.11	3.48	2.34	1.76	2.38	0.99	0.49	17.09	13.44	13.00	9.49	5.83	NORM	NORM	NORM	NORM	DRY
2001	0.78	3.48	2.93	2.89	2.72	0.37	0.65	16.53	18.01	16.87	9.44	5.41	NORM	NORM	NORM	NORM	DRY
2002	1.27	1.47	2.09	0.22	0.73	1.92	2.06	10.48	6.31	4.72	7.44	10.75	NORM	DRY	DRY	DRY	NORM
2003	1.09	2.38	2.42	1.90	3.19	0.35	0.63	13.11	12.92	15.79	9.33	5.78	NORM	NORM	NORM	NORM	DRY
2004	3.63	0.20	3.14	0.73	2.96	1.93	3.26	13.45	8.67	13.48	12.44	16.60	NORM	DRY	NORM	NORM	WET
2005	1.16	4.82	5.34	3.45	4.51	2.42	0.59	26.82	25.85	25.77	19.73	11.12	WET	WET	WET	WET	NORM
2006	2.22	2.64	0.82	1.35	0.20	2.78	3.53	9.96	8.33	4.12	10.09	16.35	NORM	DRY	DRY	NORM	WET
2007	2.64	1.87	3.46	2.23	0.62	3.69	1.43	16.76	15.48	9.78	14.54	12.29	NORM	NORM	DRY	NORM	NORM
2008	0.78	2.00	5.02	4.82	2.95	0.69	1.20	19.84	26.50	23.51	12.79	7.93	WET	WET	WET	NORM	NORM
2009	1.31	3.43	0.79	3.15	6.68	2.92	0.28	10.54	14.46	27.13	25.27	13.36	NORM	NORM	WET	WET	WET
2010	1.89	2.83	3.26	4.26	1.68	3.25	0.87	17.33	22.13	16.82	17.37	10.79	NORM	WET	NORM	WET	NORM
2011	0.96	2.00	5.66	4.14	2.58	2.90	1.30	21.94	25.74	21.68	18.00	12.28	WET	WET	WET	WET	NORM
2012	0.00	2.48	1.13	2.99	0.85	1.06	0.00	8.35	13.71	9.66	7.87	2.97	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.69	1.43	1.75
April	1.13	2.19	2.67
May	1.76	3.08	3.74
June	1.85	3.07	3.72
July	1.88	2.78	3.32
August	1.11	1.69	2.02
Sept.	0.63	1.40	1.71
Jun-MAM	8.23	15.05	18.31
Jul-JMA	10.20	17.56	21.31
Aug-JJM	11.10	17.56	21.14
Sep-AJJ	8.94	13.70	16.42
Oct-SAJ	5.99	10.36	12.49

Normals are for 1971-2000 data

March	1.43
April	2.19
May	3.08
June	3.07
July	2.78
August	1.69
Sept.	1.40

NOTE:

Cedar Butte NWS Station (SD1539) was used for Sept. 1983.

Martin NWS Station (SD5281) was used for May 2011; and March, April, and May 2012.

Rainfall Data
Ludlow 3 SSE
Station #SD5048
Harding County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.39	0.47	0.72	1.51	3.19	2.70	0.14	3.49	6.44	13.31	15.99	9.01	DRY	DRY	NORM	WET	NORM
1981	0.00	0.29	2.13	2.08	2.23	1.34	1.03	6.97	10.79	12.98	10.56	8.00	NORM	NORM	NORM	NORM	NORM
1982	2.73	1.47	8.07	2.28	2.20	1.19	1.27	29.88	24.45	19.23	10.25	8.39	WET	WET	WET	NORM	NORM
1983	1.12	0.78	1.71	2.54	2.44	0.57	0.40	7.81	11.82	14.11	9.13	4.78	NORM	NORM	NORM	NORM	NORM
1984	0.39	5.29	0.43	4.86	0.44	0.93	1.52	12.26	20.73	11.47	8.53	6.86	NORM	WET	NORM	NORM	NORM
1985	1.25	0.33	2.27	1.39	1.04	1.88	1.28	8.72	9.04	8.17	9.11	8.64	NORM	DRY	DRY	NORM	NORM
1986	0.36	3.07	3.07	1.68	1.51	1.32	3.28	15.71	14.25	10.96	8.66	13.99	NORM	NORM	NORM	NORM	WET
1987	1.59	0.28	4.39	0.95	2.83	1.16	1.55	15.32	11.91	14.78	10.09	9.80	NORM	NORM	NORM	NORM	NORM
1988	0.38	0.17	2.60	1.55	0.34	0.82	0.70	8.52	10.02	6.72	4.69	4.08	NORM	DRY	DRY	DRY	NORM
1989	1.36	5.22	1.01	1.72	3.16	0.80	0.98	14.83	12.40	13.93	10.44	7.70	NORM	NORM	NORM	NORM	NORM
1990	0.25	1.01	0.84	1.96	2.24	0.21	0.13	4.79	8.57	11.48	7.07	3.05	DRY	DRY	NORM	NORM	DRY
1991	0.40	2.38	3.46	3.41	3.41	0.82	0.63	15.54	19.53	20.51	12.69	6.94	NORM	NORM	WET	NORM	NORM
1992	0.31	0.84	1.02	7.64	2.31	1.21	0.87	5.05	25.80	23.23	15.89	7.34	DRY	WET	WET	WET	NORM
1993	0.42	2.32	1.50	5.97	5.62	0.42	0.14	9.56	23.23	30.30	18.47	6.88	NORM	WET	WET	WET	NORM
1994	0.78	2.07	1.26	2.34	2.95	0.21	2.05	8.70	11.61	14.79	8.87	9.52	NORM	NORM	NORM	NORM	NORM
1995	2.17	3.54	8.61	1.78	3.02	1.44	0.20	35.08	26.10	21.23	12.14	6.50	WET	WET	WET	NORM	NORM
1996	0.40	0.93	5.91	3.31	2.43	1.24	2.02	19.99	22.68	19.82	11.89	10.97	WET	WET	WET	NORM	WET
1997	0.02	2.21	1.42	3.54	1.43	1.01	0.79	8.70	15.67	12.79	9.43	5.82	NORM	NORM	NORM	NORM	NORM
1998	1.32	0.42	1.50	5.07	1.69	2.64	1.04	6.66	18.63	16.71	16.37	10.09	DRY	NORM	NORM	WET	NORM
1999	0.10	3.66	3.40	2.61	0.39	2.99	1.00	17.62	18.29	9.79	12.36	9.37	WET	NORM	NORM	NORM	NORM
2000	0.20	0.88	2.80	1.30	3.43	0.03	0.00	10.36	10.38	15.69	8.25	3.49	NORM	NORM	NORM	NORM	DRY
2001	0.73	2.29	1.66	4.30	3.30	0.33	0.38	10.29	18.51	20.16	11.89	5.10	NORM	NORM	WET	NORM	NORM
2002	0.35	1.47	0.69	1.50	1.13	1.83	0.49	5.36	7.35	7.08	9.25	6.26	DRY	DRY	DRY	NORM	NORM
2003	2.08	0.96	2.54	2.19	1.36	0.62	3.74	11.62	12.61	11.00	6.77	13.82	NORM	NORM	NORM	NORM	WET
2004	0.40	0.38	1.44	4.10	0.91	1.87	1.03	5.48	15.56	12.37	11.53	7.74	DRY	NORM	NORM	NORM	NORM
2005	0.24	0.36	1.02	3.1	0.61	1.34	0.63	4.02	11.70	9.05	8.34	5.18	DRY	NORM	DRY	NORM	NORM
2006	0.46	3.15	1.50	0.88	0.28	1.40	1.93	11.26	8.79	4.10	5.64	8.87	NORM	DRY	DRY	DRY	NORM
2007	0.67	1.39	3.48	1.98	3.03	1.75	0.49	13.89	14.29	16.53	13.29	8.00	NORM	NORM	NORM	NORM	NORM
2008	0.20	1.51	8.10	4.36	1.79	0.16	0.40	27.52	30.79	22.19	8.42	3.31	WET	WET	WET	NORM	DRY
2009	3.05	0.41	0.61	2.02	1.56	0.24	0.77	5.70	7.69	9.33	5.86	4.35	DRY	DRY	DRY	DRY	NORM
2010	0.12	1.36	1.73	3.79	3.71	1.45	1.72	8.03	16.19	20.44	15.56	11.77	NORM	NORM	WET	WET	WET
2011	0.31	3.59	5.43	4.89	4.83	1.19	0.18	23.78	29.12	29.70	18.12	7.75	WET	WET	WET	WET	NORM
2012	0.00	1.96	2.72	1.05	5.79	0.57	0.00	12.08	10.55	22.19	14.34	6.93	NORM	NORM	WET	WET	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.29	0.72	0.89
April	0.77	1.91	2.32
May	1.62	2.90	3.53
June	2.09	3.12	3.73
July	1.29	2.23	2.71
August	0.65	1.33	1.62
Sept.	0.48	1.25	1.54
Jun-MAM	6.69	13.24	16.12
Jul-JMA	10.28	17.07	20.57
Aug-JJM	9.67	15.83	19.12
Sep-AJJ	6.62	11.57	14.01
Oct-SAJ	4.03	8.64	10.57

Normals are for 1971-2000 data

March	0.72
April	1.91
May	2.90
June	3.12
July	2.23
August	1.33
Sept.	1.25

NOTE:

Ladner 9 SW NWS Station (SD4671) was used for April - May 2008; and March 2009.

Ralph NWS Station (SD037) was used for Aug. 2012.

Rainfall Data
Madison 2 SE
Station #SD5090
Lake County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.05	0.61	1.47	2.48	2.09	6.00	0.74	6.68	10.99	12.70	24.66	16.31	DRY	DRY	NORM	WET	NORM
1981	1.41	1.89	0.69	2.54	2.51	1.65	1.12	7.26	10.89	13.30	12.51	9.17	DRY	DRY	NORM	DRY	DRY
1982	1.68	2.28	5.75	2.97	4.44	2.09	2.36	23.49	22.69	25.01	18.12	15.70	WET	NORM	WET	NORM	NORM
1983	4.06	3.42	1.75	4.53	4.02	2.55	1.96	16.15	20.51	22.87	20.22	15.00	NORM	NORM	NORM	NORM	NORM
1984	2.03	4.60	2.75	9.57	1.98	1.35	0.83	19.48	38.81	27.83	17.58	7.17	NORM	WET	WET	NORM	DRY
1985	2.52	2.53	3.28	1.32	1.28	3.23	3.99	17.42	13.05	9.76	13.57	19.71	NORM	NORM	DRY	NORM	NORM
1986	1.56	6.87	4.90	7.07	3.37	3.06	6.89	30.00	37.88	29.15	22.99	30.16	WET	WET	WET	NORM	WET
1987	3.23	0.33	2.23	2.24	5.75	2.06	2.24	10.58	11.51	23.96	19.92	16.59	NORM	DRY	NORM	NORM	NORM
1988	0.79	2.70	3.39	2.02	0.89	5.23	3.50	16.36	15.54	10.10	19.49	21.85	NORM	NORM	DRY	NORM	WET
1989	1.82	1.22	1.06	3.57	3.78	1.62	3.36	7.44	14.05	19.54	15.99	17.10	DRY	NORM	NORM	NORM	NORM
1990	1.27	1.79	5.26	8.62	3.07	3.49	0.32	20.63	38.17	31.71	25.23	11.01	WET	WET	WET	WET	NORM
1991	0.26	2.46	5.79	5.86	1.69	1.28	3.60	22.55	31.62	22.58	13.08	15.05	WET	WET	NORM	NORM	NORM
1992	1.45	1.66	1.10	4.29	6.08	5.37	2.70	8.07	16.73	27.92	32.56	24.92	DRY	NORM	WET	WET	WET
1993	1.29	2.64	5.03	9.07	7.48	2.41	2.12	21.66	39.91	45.61	31.26	18.66	WET	WET	WET	WET	NORM
1994	0.38	2.90	1.73	5.98	1.72	2.14	2.01	11.37	24.30	18.85	15.84	12.03	NORM	NORM	NORM	NORM	NORM
1995	2.95	6.77	4.59	3.30	5.20	4.69	3.11	30.26	25.85	26.79	27.77	23.91	WET	WET	WET	WET	WET
1996	0.17	0.44	6.11	3.52	1.35	3.63	5.36	19.38	23.22	17.20	17.11	24.69	NORM	NORM	NORM	NORM	WET
1997	0.50	2.30	2.51	1.31	1.92	2.99	2.28	12.63	11.25	10.89	14.12	14.74	NORM	DRY	DRY	NORM	NORM
1998	1.33	3.82	1.29	2.52	4.46	5.17	1.19	12.84	13.96	19.71	26.95	18.37	NORM	NORM	NORM	WET	NORM
1999	0.62	4.83	2.78	4.08	3.16	1.56	3.73	18.62	22.63	20.42	15.08	17.47	NORM	NORM	NORM	NORM	NORM
2000	1.06	2.73	5.81	3.66	2.30	1.90	2.29	23.95	25.33	20.03	13.96	12.97	WET	WET	NORM	NORM	NORM
2001	0.94	6.26	2.59	4.11	1.88	0.40	2.78	21.23	23.77	16.45	9.07	11.02	WET	NORM	NORM	DRY	NORM
2002	1.03	1.51	0.84	1.60	0.41	6.54	1.19	6.57	7.99	5.27	22.04	17.06	DRY	DRY	DRY	NORM	NORM
2003	0.17	2.97	2.29	3.49	1.85	1.47	2.54	12.98	18.02	14.82	11.60	12.41	NORM	NORM	NORM	DRY	NORM
2004	1.23	1.13	6.54	2.23	5.62	2.41	6.11	23.11	20.90	27.86	20.70	28.77	WET	NORM	WET	NORM	WET
2005	0.94	1.83	3.14	6.12	2.9	2.14	7.2	14.02	26.47	24.08	18.34	28.78	NORM	WET	NORM	NORM	WET
2006	1.65	2.99	0.97	2.46	0.65	4.96	6.09	10.54	12.31	7.84	18.64	28.84	NORM	DRY	DRY	NORM	WET
2007	2.31	4.67	5.03	1.86	1.24	6.05	1.39	26.74	20.31	12.47	22.49	17.51	WET	NORM	DRY	NORM	NORM
2008	0.50	3.07	2.12	2.87	3.05	0.90	1.84	13.00	15.92	17.01	11.67	10.37	NORM	NORM	NORM	DRY	DRY
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07	10.73	21.39	26.18	21.20	12.22	NORM	NORM	WET	NORM	NORM
2010	1.09	2.15	2.13	6.03	6.43	7.40	7.39	11.78	24.50	33.48	41.09	43.40	NORM	NORM	WET	WET	WET
2011	1.03	3.00	4.38	2.85	7.09	2.13	0.21	20.17	20.31	31.35	23.42	11.98	NORM	NORM	WET	NORM	NORM
2012	0.48	2.84	9.97	1.47	0.55	2.88	1.55	36.07	27.19	14.56	11.21	10.96	WET	WET	NORM	DRY	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.93	1.68	2.04
April	1.54	2.59	3.14
May	1.94	3.32	4.03
June	2.34	3.78	4.57
July	1.98	3.12	3.76
August	2.18	3.19	3.80
Sept.	1.45	2.56	3.12
Jun-MAM	9.83	16.82	20.41
Jul-JMA	12.44	20.57	24.91
Aug-JJM	12.56	20.24	24.45
Sep-AJJ	12.84	19.59	23.49
Oct-SAJ	10.69	17.18	20.72

Normals are for 1971-2000 data

March	1.68
April	2.59
May	3.32
June	3.78
July	3.12
August	3.19
Sept.	2.56

Note:

Chester 2 N NWS Station (SD1636) was used for April, June, August, and Sept. 2008; and March-Sept. 2009.

Colton NWS Station (SD1851) was used for May and July 2008.

Rainfall Data
Marion
Station #SD5228
Turner County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.63	0.62	1.91	2.34	0.98	3.84	0.64	7.60	11.46	9.53	15.82	10.58	DRY	DRY	DRY	NORM	NORM
1981	1.73	0.89	1.06	2.85	4.32	1.76	1.80	6.69	11.56	19.72	16.77	13.24	DRY	DRY	NORM	NORM	NORM
1982	1.44	2.09	6.20	2.45	3.65	3.88	4.22	24.22	21.84	22.05	21.39	24.07	WET	NORM	NORM	NORM	WET
1983	3.50	2.57	2.06	7.68	4.17	0.27	1.23	14.82	29.73	29.93	16.83	8.40	NORM	WET	WET	NORM	NORM
1984	1.43	8.39	3.97	14.19	2.04	1.61	0.69	30.12	58.90	38.47	23.10	7.33	WET	WET	WET	WET	NORM
1985	3.19	5.02	3.50	2.02	1.82	5.13	3.94	23.73	18.08	13.00	21.05	23.90	WET	NORM	NORM	NORM	WET
1986	2.51	6.47	4.19	2.57	2.95	2.35	7.80	28.02	22.56	18.18	15.52	31.05	WET	NORM	NORM	NORM	WET
1987	4.12	0.46	2.06	2.00	2.22	2.11	3.44	11.22	10.58	12.72	12.77	16.76	NORM	DRY	NORM	NORM	NORM
1988	0.64	2.85	3.79	1.16	0.79	4.84	3.48	17.71	13.91	8.48	17.26	20.91	NORM	NORM	DRY	NORM	WET
1989	1.38	0.95	3.00	2.37	3.45	2.03	1.84	12.28	14.06	18.09	15.36	13.03	NORM	NORM	NORM	NORM	NORM
1990	1.50	1.03	4.78	1.86	1.88	2.48	1.80	17.90	16.17	14.14	13.06	12.24	NORM	NORM	NORM	NORM	NORM
1991	1.29	2.28	4.32	2.23	2.23	1.48	1.62	18.81	17.61	15.47	11.13	10.05	NORM	NORM	NORM	NORM	NORM
1992	2.87	2.43	1.27	1.91	7.60	4.29	3.01	11.54	10.70	27.89	29.98	25.21	NORM	DRY	WET	WET	WET
1993	1.11	2.14	7.05	7.27	7.05	4.25	2.47	26.54	38.05	42.74	34.12	22.96	WET	WET	WET	WET	WET
1994	0.00	3.77	2.49	5.09	1.92	2.77	2.60	15.01	24.02	18.43	17.24	15.26	NORM	NORM	NORM	NORM	NORM
1995	4.80	6.25	5.55	1.42	1.75	2.05	3.90	33.95	21.61	13.64	11.07	17.55	WET	NORM	NORM	NORM	NORM
1996	0.74	0.57	4.91	2.99	3.25	3.14	4.26	16.61	19.36	20.64	18.91	22.31	NORM	NORM	NORM	NORM	WET
1997	0.09	1.94	3.72	3.35	2.16	2.26	1.57	15.13	19.43	16.90	14.45	11.39	NORM	NORM	NORM	NORM	NORM
1998	2.36	4.27	1.40	4.81	2.96	2.90	0.23	15.10	21.50	19.90	19.43	9.45	NORM	NORM	NORM	NORM	NORM
1999	0.79	3.71	2.75	3.59	4.46	1.61	2.28	16.46	19.98	23.31	17.34	14.52	NORM	NORM	WET	NORM	NORM
2000	0.61	1.92	4.50	3.25	1.65	3.59	0.67	17.95	20.67	15.95	17.32	10.84	NORM	NORM	NORM	NORM	NORM
2001	0.35	7.60	2.75	3.55	8.11	1.60	4.05	23.80	23.75	34.18	24.57	23.46	WET	NORM	WET	WET	WET
2002	1.00	1.74	1.87	1.13	1.56	8.06	1.30	10.09	8.87	8.81	28.43	21.58	DRY	DRY	DRY	WET	WET
2003	0.30	4.13	2.60	5.97	2.56	1.63	3.77	16.36	27.24	22.22	15.98	17.13	NORM	WET	NORM	NORM	NORM
2004	2.30	1.26	7.92	3.51	1.33	2.29	6.18	28.58	27.63	18.93	13.04	24.45	WET	WET	NORM	NORM	WET
2005	1.23	3.55	4.09	6.60	0.87	0.96	2.22	20.60	31.53	19.90	11.22	9.45	NORM	WET	NORM	NORM	NORM
2006	1.78	3.14	1.51	2.86	0.22	3.50	5.16	12.59	14.74	7.89	13.80	22.70	NORM	NORM	DRY	NORM	WET
2007	2.15	3.23	2.71	4.53	0.03	5.95	1.61	16.74	22.24	11.86	22.44	16.76	NORM	NORM	DRY	WET	NORM
2008	0.92	4.61	3.69	4.86	1.62	1.18	2.11	21.21	26.57	18.27	11.64	10.31	NORM	WET	NORM	NORM	NORM
2009	0.86	1.17	2.07	4.72	3.34	2.44	1.86	9.41	19.47	21.53	18.72	13.80	DRY	NORM	NORM	NORM	NORM
2010	1.37	2.31	2.04	8.14	12.74	5.44	3.68	12.11	30.81	56.54	49.94	34.66	NORM	WET	WET	WET	WET
2011	1.01	3.36	3.89	2.88	3.20	3.09	0.28	19.40	19.78	19.25	18.55	10.22	NORM	NORM	NORM	NORM	NORM
2012	0.41	2.85	4.04	1.20	0.73	1.05	0.26	18.23	14.53	8.63	5.81	3.61	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.9	1.86	2.3
April	1.57	2.73	3.32
May	2.21	3.41	4.10
June	2.28	3.59	4.33
July	1.73	2.85	3.45
August	1.44	2.94	3.57
Sept.	0.75	2.57	3.13
Jun-MAM	10.67	17.55	21.24
Jul-JMA	12.83	20.32	24.51
Aug-JJM	11.96	19.14	23.11
Sep-AJJ	10.06	18.11	21.94
Oct-SAJ	6.86	16.44	19.98

Normals are for 1971-2000 data

March	1.86
April	2.73
May	3.41
June	3.59
July	2.85
August	2.94
Sept.	2.57

NOTE:
Bridgewater NWS Station (SD1032) was used for April 1980; April and May 1989; March-Sept. 2001.

Rainfall Data
Martin
Station #SD5281
Bennett County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.89	1.06	1.36	3.22	1.00	2.35	0.16	7.09	13.44	10.80	12.27	6.18	DRY	NORM	DRY	NORM	DRY
2	1981	0.95	0.90	2.40	1.87	6.44	2.78	0.50	9.95	11.31	25.46	23.09	13.50	DRY	DRY	WET	WET	WET
3	1982	1.78	0.76	8.53	3.42	1.74	2.14	1.78	28.89	28.08	20.59	13.32	11.36	WET	WET	WET	NORM	NORM
4	1983	1.54	2.06	4.33	3.30	5.00	1.78	0.23	18.65	20.62	25.93	18.64	9.25	NORM	NORM	WET	WET	NORM
5	1984	0.83	1.71	2.76	3.35	3.64	0.46	0.82	12.53	17.28	20.38	12.01	7.02	NORM	NORM	WET	NORM	NORM
6	1985	0.49	1.40	0.24	1.17	1.49	3.04	2.85	4.01	5.39	7.05	13.27	16.12	DRY	DRY	DRY	NORM	WET
7	1986	2.09	3.93	3.46	5.18	2.79	1.40	3.38	20.33	26.39	22.19	14.96	15.73	WET	WET	WET	NORM	WET
8	1987	2.23	0.44	2.36	1.78	1.59	1.72	1.42	10.19	10.50	10.69	10.12	9.29	DRY	DRY	DRY	NORM	NORM
9	1988	0.48	0.94	4.81	3.49	1.70	0.39	1.19	16.79	21.03	16.89	8.06	6.05	NORM	NORM	NORM	DRY	DRY
10	1989	0.85	1.16	1.51	1.08	1.09	0.62	3.03	7.70	7.42	6.94	5.12	11.42	DRY	DRY	DRY	DRY	NORM
11	1990	1.48	0.99	5.41	4.53	2.79	1.27	0.55	19.69	25.40	22.84	13.92	6.98	WET	WET	WET	NORM	NORM
12	1991	0.14	2.83	5.63	3.74	2.63	6.05	0.98	22.69	25.31	21.00	27.15	17.67	WET	WET	WET	WET	WET
13	1992	1.70	0.54	0.92	3.18	4.04	2.17	0.80	5.54	11.92	19.40	17.77	10.78	DRY	NORM	NORM	WET	NORM
14	1993	0.40	2.07	1.79	5.43	3.33	2.38	2.80	9.91	21.94	22.64	19.23	16.49	DRY	WET	WET	WET	WET
15	1994	0.88	1.53	3.15	2.74	4.63	0.29	0.45	13.39	16.05	22.52	12.87	6.56	NORM	NORM	WET	NORM	DRY
16	1995	1.12	5.22	5.81	4.28	2.91	1.99	1.12	28.99	29.68	23.10	16.07	10.25	WET	WET	WET	NORM	NORM
17	1996	0.57	1.29	5.96	2.45	1.94	1.75	4.58	21.03	20.56	16.68	11.58	19.18	WET	NORM	NORM	NORM	WET
18	1997	0.22	4.21	3.15	8.47	2.95	2.48	1.56	18.09	35.92	28.94	21.81	12.59	NORM	WET	WET	WET	NORM
19	1998	2.79	0.36	3.99	4.47	3.40	3.64	1.31	15.48	21.75	23.13	22.19	14.61	NORM	WET	WET	WET	WET
20	1999	0.57	2.91	3.01	6.35	2.21	2.14	2.41	15.42	27.98	22.34	17.19	13.72	NORM	WET	WET	WET	WET
21	2000	3.24	3.44	2.02	3.20	1.64	0.52	0.70	16.18	17.08	13.34	8.04	4.78	NORM	NORM	NORM	DRY	DRY
22	2001	0.74	3.20	1.93	3.28	4.18	0.34	0.19	12.93	16.90	21.03	12.66	5.43	NORM	NORM	WET	NORM	DRY
23	2002	1.26	1.09	2.13	0.82	0.61	1.92	2.03	9.83	7.81	5.60	7.80	10.54	DRY	DRY	DRY	DRY	NORM
24	2003	1.43	2.35	2.88	1.98	3.19	2.14	0.73	14.77	14.05	16.41	14.78	9.66	NORM	NORM	NORM	NORM	NORM
25	2004	1.21	0.94	1.82	1.99	4.02	2.34	3.47	8.55	10.55	17.86	17.05	19.11	DRY	DRY	NORM	WET	WET
26	2005	1.1	4.74	4.85	3.92	2.19	2.84	0.43	25.13	26.20	19.26	16.82	9.16	WET	WET	NORM	WET	NORM
27	2006	2.26	2.72	0.91	1.35	0.53	2.06	2.63	10.43	8.59	5.20	8.59	12.54	DRY	DRY	DRY	DRY	NORM
28	2007	2.41	1.73	3.68	1.66	0.58	3.21	1.04	16.91	14.07	8.74	12.45	10.12	NORM	NORM	DRY	NORM	NORM
29	2008	0.76	2.17	4.41	3.73	1.14	1.24	1.39	18.33	22.18	15.29	9.73	7.79	NORM	WET	NORM	NORM	NORM
30	2009	1.88	2.88	0.61	3.99	3.81	4.01	0.17	9.47	16.07	20.02	23.64	12.34	DRY	NORM	NORM	WET	NORM
31	2010	1.61	3.07	2.47	3.32	1.43	0.94	0.99	15.16	17.97	13.40	9.00	6.28	NORM	NORM	NORM	DRY	DRY
32	2011	0.85	1.87	5.66	4.83	3.41	3.49	0.85	21.57	27.68	25.55	22.12	12.94	WET	WET	WET	WET	NORM
33	2012	0.00	2.48	1.13	3.04	0.42	0.94	0.74	8.35	13.86	8.47	6.70	4.52	DRY	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.62	1.24	1.52
April	1.39	2.30	2.79
May	2.36	3.36	3.99
June	1.92	2.94	3.53
July	1.78	2.54	3.01
August	1.27	1.94	2.33
Sept.	0.80	1.45	1.77
Jun-MAM	10.48	15.92	19.07
Jul-JMA	11.87	17.84	21.36
Aug-JJM	11.54	16.86	20.08
Sep-AJJ	9.29	13.84	16.54
Oct-SAJ	6.72	10.77	12.98

Normals are for 1971-2000 data

March	1.24
April	2.30
May	3.36
June	2.94
July	2.54
August	1.94
Sept.	1.45

NOTE:
Martin 5 E NWS Station (SD5285) was used for Sept. 1980 - Aug. 1992, March - June 1996, Aug. 1996 - May 1998,
Long Valley NWS Station (SD4983) was used for Sept. 1992, July 1996, June-July 1998, Aug. 2002, July 2003, and June 2006.

Rainfall Data
McIntosh 6 SE
Station #SD5381
Corson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.34	0.55	0.47	1.99	0.64	3.85	0.36	2.85	7.46	6.37	14.82	9.42	DRY	DRY	DRY	NORM	NORM
1981	0.09	0.19	1.27	4.43	3.74	3.18	2.09	4.28	16.02	21.35	21.45	16.37	DRY	NORM	WET	WET	WET
1982	1.06	1.06	6.23	1.17	0.86	0.84	0.33	21.87	17.03	11.15	5.41	3.53	WET	NORM	NORM	DRY	DRY
1983	1.22	0.59	3.11	1.97	4.16	4.63	0.75	11.73	12.72	19.53	24.18	15.67	NORM	NORM	WET	WET	WET
1984	0.84	3.26	0.90	5.71	0.84	1.89	1.20	10.06	22.19	14.84	13.06	8.22	NORM	WET	NORM	NORM	NORM
1985	0.54	2.26	2.01	2.37	1.66	1.81	0.81	11.09	13.39	11.73	11.12	7.71	NORM	NORM	NORM	NORM	NORM
1986	0.54	3.55	5.58	1.43	2.51	0.98	5.13	24.38	19.00	15.97	9.39	19.86	WET	NORM	NORM	NORM	WET
1987	0.81	0.08	2.56	1.29	1.88	1.18	0.79	8.65	9.07	10.78	8.59	6.61	NORM	DRY	NORM	NORM	NORM
1988	1.67	0.19	1.50	4.93	0.03	0.56	0.60	6.55	17.98	11.45	6.67	2.95	NORM	NORM	NORM	DRY	DRY
1989	2.04	3.60	0.53	1.13	2.16	4.23	1.22	10.83	8.05	9.27	18.14	14.28	NORM	DRY	NORM	WET	WET
1990	0.21	0.32	1.98	5.05	3.46	1.84	0.36	6.79	19.43	22.46	17.49	8.22	NORM	WET	WET	WET	NORM
1991	0.33	1.80	3.22	1.99	1.59	0.51	0.65	13.59	14.21	11.97	6.70	4.56	NORM	NORM	NORM	DRY	DRY
1992	0.51	0.53	1.16	4.45	3.35	3.17	0.24	5.05	16.20	20.11	20.66	10.41	DRY	NORM	WET	WET	NORM
1993	0.18	0.60	0.97	5.81	6.57	1.03	0.54	4.29	19.97	32.30	22.04	10.25	DRY	WET	WET	WET	NORM
1994	0.52	1.61	0.45	2.66	3.51	0.87	0.97	5.09	10.49	16.30	12.29	8.16	DRY	NORM	NORM	NORM	NORM
1995	1.41	2.11	4.40	1.65	2.29	1.46	0.57	18.83	15.86	14.57	10.61	6.92	WET	NORM	NORM	NORM	NORM
1996	1.17	0.80	3.75	2.47	3.15	1.32	3.76	14.02	15.71	18.14	12.73	17.07	NORM	NORM	NORM	NORM	WET
1997	0.41	2.89	0.21	4.24	1.50	0.55	1.08	6.82	16.03	13.19	8.89	5.84	NORM	NORM	NORM	NORM	NORM
1998	0.16	1.15	0.76	5.74	1.12	2.16	0.56	4.74	19.89	15.60	14.46	7.12	DRY	WET	NORM	NORM	NORM
1999	0.06	1.64	5.64	3.77	1.64	2.45	1.30	20.26	24.23	18.10	14.40	10.44	WET	WET	NORM	NORM	NORM
2000	1.69	0.82	2.23	2.52	2.46	0.28	0.45	10.02	12.84	14.65	8.28	4.37	NORM	NORM	NORM	NORM	DRY
2001	0.16	1.49	2.05	2.29	7.55	0.07	2.31	9.29	12.46	29.28	17.60	14.62	NORM	NORM	WET	WET	WET
2002	0.49	0.81	0.60	1.12	2.37	1.00	0.43	3.91	5.37	9.95	8.86	5.66	DRY	DRY	NORM	NORM	NORM
2003	0.83	1.23	3.50	3.01	0.87	1.23	1.11	13.79	17.26	12.13	8.44	6.66	NORM	NORM	NORM	NORM	NORM
2004	0.61	0.56	1.55	3.28	2.41	1.35	1.96	6.38	13.50	15.34	12.15	10.99	NORM	NORM	NORM	NORM	NORM
2005	0.98	0.81	3.33	7.31	0.92	2.88	0.91	12.59	29.40	20.71	17.79	9.41	NORM	WET	WET	WET	NORM
2006	0.53	0.89	0.34	0.90	1.26	3.12	2.74	3.33	4.27	5.92	12.78	15.72	DRY	DRY	DRY	NORM	WET
2007	2.05	1.03	3.77	5.63	1.01	7.49	1.11	15.42	25.46	18.06	30.12	19.32	WET	WET	NORM	WET	WET
2008	0.51	0.40	3.17	4.79	1.74	1.03	1.60	10.82	21.11	17.97	11.36	8.60	NORM	WET	NORM	NORM	NORM
2009	1.51	1.19	1.35	2.85	3.41	1.30	1.10	7.94	12.44	17.28	13.57	9.31	NORM	NORM	NORM	NORM	NORM
2010	0.65	1.95	3.12	1.52	4.62	1.26	3.12	13.91	12.75	20.02	14.54	16.50	NORM	NORM	WET	NORM	WET
2011	1.04	1.82	3.01	4.72	1.21	1.85	0.51	13.71	22.00	16.08	12.69	6.44	NORM	WET	NORM	NORM	NORM
2012	0.41	3.26	2.69	1.73	2.17	1.43	0.14	15.00	13.83	12.66	10.36	5.45	WET	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.38	0.82	1.00
April	0.72	1.68	2.05
May	1.28	2.58	3.15
June	2.03	3.00	3.59
July	1.26	2.27	2.77
August	0.94	1.69	2.06
Sept.	0.54	1.30	1.59
Jun-MAM	5.66	11.92	14.55
Jul-JMA	9.37	15.84	19.12
Aug-JJM	9.12	15.39	18.64
Sep-AJJ	7.37	12.61	15.31
Oct-SAJ	4.76	9.55	11.66

Normals are for 1971-2000 data

March	0.82
April	1.68
May	2.58
June	3.00
July	2.27
August	1.69
Sept.	1.30

Rainfall Data
McLaughlin
Station #SD5406
Corson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.31	1.50	0.86	1.99	0.97	3.82	1.20	5.89	9.19	7.75	15.39	12.21	DRY	DRY	DRY	NORM	WET
1981	0.30	0.20	1.86	4.43	5.49	2.99	1.45	6.28	17.21	27.19	24.38	15.82	NORM	NORM	WET	WET	WET
1982	2.62	1.28	6.39	1.52	0.86	1.61	0.15	24.35	18.62	12.01	8.07	4.53	WET	NORM	NORM	NORM	DRY
1983	1.68	0.90	3.11	1.26	1.39	3.51	1.05	12.81	10.90	9.80	14.57	11.56	NORM	NORM	NORM	NORM	NORM
1984	0.84	3.52	0.57	4.27	1.29	0.20	1.33	9.59	17.47	12.98	7.45	5.68	NORM	NORM	NORM	NORM	NORM
1985	1.76	1.16	0.91	2.37	1.92	3.38	1.42	6.81	10.09	11.41	16.35	12.94	NORM	NORM	NORM	WET	WET
1986	0.54	4.62	4.41	2.22	2.51	1.42	2.12	23.01	20.10	16.38	11.50	11.71	WET	WET	NORM	NORM	NORM
1987	1.55	0.06	5.24	2.08	1.78	1.87	0.65	17.39	16.78	14.74	11.25	7.47	WET	NORM	NORM	NORM	NORM
1988	0.53	0.12	1.95	6.50	0.16	1.33	0.48	6.62	23.52	15.43	10.81	4.26	NORM	WET	NORM	NORM	DRY
1989	2.04	4.51	0.70	0.55	0.97	2.23	1.02	13.16	7.56	4.71	9.18	8.49	NORM	DRY	DRY	NORM	NORM
1990	0.24	0.65	1.26	4.08	2.74	4.01	0.47	5.32	15.41	17.64	21.59	12.17	DRY	NORM	NORM	WET	WET
1991	0.39	2.50	3.92	4.44	1.68	0.75	0.65	17.15	23.66	17.84	10.05	5.13	WET	WET	NORM	NORM	NORM
1992	0.74	0.53	1.09	3.13	2.58	2.11	0.27	5.07	12.10	15.09	14.62	7.61	DRY	NORM	NORM	NORM	NORM
1993	0.09	0.56	1.06	4.08	4.65	1.03	1.42	4.39	14.92	23.17	16.47	10.97	DRY	NORM	WET	WET	NORM
1994	0.52	1.61	0.45	2.66	5.16	1.37	0.72	5.09	10.49	21.25	17.09	10.06	DRY	NORM	WET	WET	NORM
1995	1.40	2.45	4.39	3.13	2.96	1.78	0.43	19.47	20.62	19.53	14.39	7.81	WET	WET	WET	NORM	NORM
1996	1.30	0.87	4.12	2.15	0.86	1.39	4.36	15.40	15.56	11.00	8.04	16.72	WET	NORM	NORM	NORM	WET
1997	0.41	2.17	0.99	2.79	1.15	0.99	1.44	7.72	12.52	10.02	8.06	7.45	NORM	NORM	NORM	NORM	NORM
1998	0.04	0.51	1.27	3.79	2.36	2.89	0.50	4.87	14.42	15.93	17.18	9.64	DRY	NORM	NORM	WET	NORM
1999	0.15	1.27	6.38	4.93	2.03	3.47	2.17	21.83	28.82	22.33	19.40	15.48	WET	WET	WET	WET	WET
2000	2.55	0.90	2.74	3.77	2.11	0.81	0.42	12.57	17.69	16.61	10.42	4.99	NORM	NORM	NORM	NORM	NORM
2001	0.37	2.16	2.70	2.80	6.39	2.64	3.49	12.79	15.96	27.47	23.50	22.14	NORM	NORM	WET	WET	WET
2002	1.15	1.39	0.73	0.90	3.16	2.63	0.40	6.12	5.55	12.01	15.11	9.62	DRY	DRY	NORM	NORM	NORM
2003	0.60	1.85	3.69	3.23	1.79	0.47	1.25	15.37	18.92	15.52	8.22	6.48	WET	NORM	NORM	NORM	NORM
2004	0.45	0.37	2.82	4.65	1.99	0.92	3.99	9.65	19.96	18.09	11.39	15.80	NORM	WET	NORM	NORM	WET
2005	0.55	1.4	3.58	7.31	2.53	2.31	0.57	14.09	30.49	25.79	19.30	8.86	NORM	WET	WET	WET	NORM
2006	0.09	1.67	0.81	0.48	0.62	1.59	2.92	5.86	4.73	3.63	6.49	12.56	DRY	DRY	DRY	DRY	WET
2007	2.86	1.63	5.12	3.06	1.10	6.17	0.95	21.48	21.05	14.54	23.77	16.29	WET	WET	NORM	WET	WET
2008	0.69	0.40	3.74	6.83	2.18	1.83	1.60	12.71	28.37	23.94	16.68	10.64	NORM	WET	WET	WET	NORM
2009	2.83	2.12	1.66	3.06	2.58	2.22	0.52	12.05	14.62	15.52	14.88	8.58	NORM	NORM	NORM	NORM	NORM
2010	0.46	3.01	3.66	2.08	2.50	1.73	3.10	17.46	16.57	15.32	12.27	15.26	WET	NORM	NORM	NORM	WET
2011	0.96	3.75	4.03	5.87	1.03	5.74	0.56	20.55	29.42	18.86	25.15	14.19	WET	WET	WET	WET	WET
2012	0.18	2.41	3.37	3.64	1.52	2.13	0.00	15.11	20.07	15.21	13.07	5.78	NORM	WET	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.46	1.18	1.43
April	0.73	1.83	2.22
May	1.44	2.57	3.13
June	1.95	3.00	3.61
July	1.23	2.15	2.62
August	0.94	1.91	2.33
Sept.	0.56	1.23	1.51
Jun-MAM	6.24	12.55	15.26
Jul-JMA	9.46	15.97	19.31
Aug-JJM	9.03	15.02	18.21
Sep-AJJ	7.23	13.03	15.84
Oct-SAJ	4.79	9.66	11.81

Normals are for 1971-2000 data

March	1.18
April	1.83
May	2.57
June	3.00
July	2.15
August	1.91
Sept.	1.23

NOTE:

McIntosh 6 SE NWS Station (SD5381) was used for June 1980; June 1981; July 1982; May 1983; March 1984; June 1985; March 1986; July 1986; March 1989; Sept. 1991; April 1992; March - June 1994; March 1997; June 2005; April 2008; and Sept. 2008.

Rainfall Data
Mellette 4 W
Station #SD5456
Spink County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.81	1.54	2.04	2.98	2.23	5.20	0.52	10.01	14.56	14.69	23.04	14.19	NORM	NORM	NORM	WET	NORM
1981	1.21	1.12	1.61	1.52	3.99	1.22	1.26	8.28	8.90	16.62	13.16	10.21	NORM	DRY	NORM	NORM	NORM
1982	1.93	1.11	4.33	2.01	3.44	1.22	1.56	17.14	15.80	18.67	12.55	10.56	NORM	NORM	NORM	NORM	NORM
1983	3.19	0.98	2.41	6.02	3.76	2.30	2.06	12.38	23.86	25.73	20.44	14.54	NORM	WET	WET	NORM	NORM
1984	1.66	2.80	1.51	8.20	1.38	7.06	0.90	11.79	30.42	22.05	32.14	18.20	NORM	WET	WET	WET	WET
1985	1.93	0.62	2.20	1.85	2.76	6.92	2.65	9.77	10.57	14.18	28.13	24.55	NORM	DRY	NORM	WET	WET
1986	0.65	7.66	4.54	2.81	2.59	3.12	3.53	29.59	25.17	17.93	17.35	19.42	WET	WET	NORM	NORM	WET
1987	2.87	0.40	1.39	1.33	1.37	0.91	2.23	7.84	7.17	8.16	6.80	9.88	DRY	DRY	DRY	DRY	NORM
1988	0.29	0.55	4.63	1.53	0.91	2.86	4.81	15.28	14.40	10.42	11.93	21.06	NORM	NORM	DRY	NORM	WET
1989	1.82	3.06	1.17	2.37	1.19	4.33	2.81	11.45	12.51	9.48	17.74	18.28	NORM	NORM	DRY	NORM	WET
1990	1.21	1.54	1.32	7.00	6.77	4.13	1.41	8.25	25.18	35.63	32.93	19.26	NORM	WET	WET	WET	WET
1991	0.71	5.58	5.82	4.28	2.03	2.95	4.60	29.33	30.06	20.47	17.19	21.73	WET	WET	NORM	NORM	WET
1992	0.69	0.32	0.42	6.13	4.40	2.18	0.88	2.59	19.55	25.88	21.47	11.40	DRY	NORM	WET	NORM	NORM
1993	1.23	2.02	2.36	5.05	8.91	4.25	1.30	12.35	21.89	39.19	35.62	21.31	NORM	WET	WET	WET	WET
1994	0.25	3.37	0.91	1.09	4.52	2.86	2.18	9.72	8.46	16.65	18.71	16.78	NORM	DRY	NORM	NORM	NORM
1995	2.42	3.22	5.65	1.98	3.37	2.05	1.82	25.81	20.46	19.72	14.87	12.93	WET	NORM	NORM	NORM	NORM
1996	0.44	0.13	4.79	1.98	1.56	0.25	5.99	15.07	15.65	13.43	5.85	20.03	NORM	NORM	NORM	DRY	WET
1997	0.69	2.56	2.42	2.02	4.24	3.60	1.55	13.07	13.46	19.18	21.30	16.09	NORM	NORM	NORM	NORM	NORM
1998	1.67	1.93	3.96	4.73	3.25	4.19	0.18	17.41	24.04	23.17	23.80	12.17	WET	WET	WET	WET	NORM
1999	0.89	3.08	2.53	3.06	2.15	2.69	3.11	14.64	17.32	15.10	15.43	16.86	NORM	NORM	NORM	NORM	NORM
2000	1.10	2.17	3.38	4.15	3.33	3.46	0.37	15.58	21.38	21.67	21.19	11.36	NORM	NORM	NORM	NORM	NORM
2001	0.23	3.26	2.36	4.21	2.68	0.25	1.94	13.83	20.61	18.82	10.32	9.00	NORM	NORM	NORM	DRY	NORM
2002	0.65	1.63	1.58	1.74	3.03	4.95	1.04	8.65	10.01	14.15	22.65	16.05	NORM	DRY	NORM	WET	NORM
2003	0.57	2.19	3.41	4.99	1.33	0.55	1.07	15.18	23.98	17.38	9.30	5.64	NORM	WET	NORM	DRY	DRY
2004	2.13	1.11	5.41	3.05	4.48	1.70	3.74	20.58	21.08	24.95	17.11	19.10	WET	NORM	WET	NORM	WET
2005	0.17	0.58	2.6	7.69	1.37	2.56	2.05	9.13	28.85	22.09	18.11	12.64	NORM	WET	WET	NORM	NORM
2006	0.77	1.31	2.60	1.61	0.64	3.82	2.71	11.19	11.34	7.74	14.35	16.41	NORM	NORM	DRY	NORM	NORM
2007	1.83	3.46	11.42	2.50	0.46	4.32	2.79	43.01	33.80	17.80	16.38	17.47	WET	WET	NORM	NORM	NORM
2008	1.42	1.07	1.88	4.64	4.01	1.31	4.04	9.20	18.75	23.19	16.59	18.75	NORM	NORM	WET	NORM	WET
2009	1.43	0.58	1.72	3.03	6.16	1.48	2.27	7.75	13.11	26.26	19.79	15.93	DRY	NORM	WET	NORM	NORM
2010	1.16	2.20	4.17	4.24	4.73	0.89	6.00	18.07	23.26	26.84	16.37	24.51	WET	WET	WET	NORM	WET
2011	1.46	3.05	3.31	3.50	2.47	1.16	0.98	17.49	20.17	17.72	11.92	7.73	WET	NORM	NORM	NORM	NORM
2012	0.72	4.21	1.63	1.48	3.11	2.71	0.00	14.03	11.91	13.92	15.83	8.53	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.66	1.39	1.69
April	1.08	2.14	2.61
May	1.69	2.82	3.42
June	2.18	3.39	4.08
July	1.69	2.86	3.48
August	1.72	2.94	3.58
Sept.	0.73	1.96	2.37
Jun-MAM	7.89	14.13	17.17
Jul-JMA	11.00	17.95	21.69
Aug-JJM	11.12	18.18	22.02
Sep-AJJ	10.72	17.93	21.78
Oct-SAJ	7.32	14.62	17.75

Normals are for 1971-2000 data

March	1.39
April	2.14
May	2.82
June	3.39
July	2.86
August	2.94
Sept.	1.96

NOTE:
Redfield 2 NE NWS Station (SD7052) was used for July 1982.

Rainfall Data
Menno
Station #SD5481
Hutchinson County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.48	0.99	1.49	1.85	0.86	3.03	0.29	6.93	9.52	7.77	12.66	7.79	DRY	DRY	DRY	NORM	DRY
1981	1.60	0.60	0.89	3.20	3.30	3.74	1.57	5.47	11.98	17.19	21.02	15.49	DRY	DRY	NORM	WET	NORM
1982	0.71	1.11	8.39	3.51	3.27	3.80	2.01	28.10	28.42	25.22	21.45	16.90	WET	WET	WET	WET	NORM
1983	3.52	1.04	2.82	6.29	3.76	0.24	1.18	14.06	25.55	26.68	14.53	7.78	NORM	WET	WET	NORM	DRY
1984	1.21	7.80	3.74	10.70	3.85	0.87	0.85	28.03	47.38	36.69	21.01	8.14	WET	WET	WET	WET	DRY
1985	2.13	4.54	2.88	2.11	1.22	5.26	2.97	19.85	16.63	10.76	20.33	20.65	NORM	NORM	DRY	NORM	WET
1986	1.82	6.32	4.58	4.03	2.18	2.27	7.88	28.20	27.57	19.18	15.20	30.36	WET	WET	NORM	NORM	WET
1987	5.12	0.24	2.61	1.44	6.35	2.35	1.71	13.43	9.78	24.54	21.19	16.18	NORM	DRY	WET	WET	NORM
1988	0.29	2.06	3.38	1.10	2.65	2.53	2.99	14.55	12.12	13.53	13.99	16.68	NORM	DRY	NORM	NORM	NORM
1989	0.89	0.69	2.25	2.68	3.11	1.14	1.23	9.02	13.23	16.94	12.32	9.08	DRY	NORM	NORM	NORM	NORM
1990	0.79	1.94	6.51	2.49	1.69	1.20	0.37	24.20	22.43	16.56	9.47	5.20	WET	NORM	NORM	DRY	DRY
1991	0.76	2.10	4.48	1.87	2.73	1.86	1.69	18.40	16.67	16.41	12.91	11.52	NORM	NORM	NORM	NORM	NORM
1992	1.86	2.20	1.46	1.98	5.89	3.92	2.95	10.64	11.06	23.09	25.52	22.58	NORM	DRY	NORM	WET	WET
1993	1.32	2.09	3.84	4.90	9.40	2.02	2.86	17.02	24.47	41.84	29.76	22.02	NORM	WET	WET	WET	WET
1994	0.13	2.44	1.25	2.93	3.56	1.53	2.31	8.76	13.73	17.79	14.64	13.55	DRY	NORM	NORM	NORM	NORM
1995	4.51	5.69	5.04	0.76	2.32	2.96	3.40	31.01	18.05	13.52	14.28	18.44	WET	NORM	NORM	NORM	WET
1996	0.96	0.65	4.41	2.16	1.45	3.60	3.94	15.49	15.95	13.08	15.86	20.47	NORM	NORM	NORM	NORM	WET
1997	0.32	1.87	4.12	2.73	2.34	1.91	2.16	16.42	18.30	16.60	13.14	12.64	NORM	NORM	NORM	NORM	NORM
1998	2.54	2.69	1.80	6.78	2.21	3.12	0.34	13.32	26.63	21.99	20.56	9.47	NORM	WET	NORM	NORM	NORM
1999	0.60	3.87	4.23	2.64	5.00	1.10	4.27	21.03	20.25	24.51	15.94	20.01	WET	NORM	WET	NORM	WET
2000	0.78	1.85	3.10	3.07	0.86	4.47	0.36	13.78	17.26	11.82	18.20	10.88	NORM	NORM	DRY	NORM	NORM
2001	0.76	5.81	2.44	2.84	4.08	1.28	3.43	19.70	19.21	20.36	14.84	16.93	NORM	NORM	NORM	NORM	NORM
2002	1.26	1.42	2.26	1.09	0.69	6.05	1.32	10.88	9.21	6.51	20.62	16.75	NORM	DRY	DRY	NORM	NORM
2003	0.50	3.16	1.67	4.90	3.22	2.78	3.68	11.83	21.20	21.13	19.68	19.82	NORM	NORM	NORM	NORM	WET
2004	1.86	1.09	4.04	3.48	2.40	2.16	5.42	16.16	19.61	18.20	14.76	22.98	NORM	NORM	NORM	NORM	WET
2005	1.00	3.07	4.70	4.26	1.86	0.38	3.58	21.24	25.25	18.80	9.12	13.36	WET	WET	NORM	DRY	NORM
2006	1.93	4.23	0.90	1.56	0.26	3.35	6.62	13.09	10.71	4.80	12.13	26.82	NORM	DRY	DRY	NORM	WET
2007	2.42	2.67	4.66	5.25	0.03	8.70	2.75	21.74	27.74	15.25	31.41	25.68	WET	WET	NORM	WET	WET
2008	1.27	2.35	4.35	3.97	3.66	0.81	2.51	19.02	22.96	23.27	13.72	12.81	NORM	NORM	NORM	NORM	NORM
2009	0.67	1.68	1.81	6.01	3.40	3.10	1.10	9.46	23.33	24.03	22.11	12.90	DRY	NORM	WET	WET	NORM
2010	1.61	2.27	1.88	8.50	5.77	5.50	4.63	11.79	31.53	36.19	36.54	30.66	NORM	WET	WET	WET	WET
2011	0.57	2.69	3.65	3.51	1.56	2.77	0.18	16.90	20.52	15.35	14.94	7.64	NORM	NORM	NORM	NORM	DRY
2012	0.19	3.08	3.61	0.66	1.43	1.45	0.33	17.18	12.28	9.22	7.87	5.32	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.78	1.66	2.03
April	1.37	2.50	3.05
May	2.36	3.51	4.21
June	2.19	3.43	4.13
July	1.94	3.15	3.82
August	1.52	2.44	2.95
Sept.	1.18	2.32	2.83
Jun-MAM	10.60	17.19	20.76
Jul-JMA	12.66	19.81	23.86
Aug-JJM	12.56	19.82	23.93
Sep-AJJ	10.63	17.05	20.62
Oct-SAJ	8.52	14.99	18.21

Normals are for 1971-2000 data

March	1.66
April	2.50
May	3.51
June	3.43
July	3.15
August	2.44
Sept.	2.32

Rainfall Data
Midland
Station #SD5506
Haakon County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.72	0.52	0.43	2.87	1.27	2.81	0.53	3.05	9.99	9.98	13.84	8.48	DRY	DRY	NORM	NORM	NORM
1981	0.89	0.26	3.87	3.46	3.99	2.75	0.41	13.02	18.38	22.76	19.69	10.72	NORM	NORM	WET	WET	NORM
1982	2.33	0.81	6.27	4.14	4.30	3.26	1.81	22.76	25.77	27.45	22.52	16.25	WET	WET	WET	WET	WET
1983	1.27	0.79	3.04	3.30	1.66	1.36	0.34	11.97	16.77	14.62	10.70	5.40	NORM	NORM	NORM	NORM	NORM
1984	1.00	2.35	2.52	4.58	3.23	1.93	0.66	13.26	21.13	21.37	16.83	9.07	NORM	WET	WET	WET	NORM
1985	1.89	0.66	1.44	3.11	1.84	1.68	1.11	7.53	12.87	13.18	11.83	8.53	DRY	NORM	NORM	NORM	NORM
1986	2.10	6.44	2.26	3.92	1.71	0.40	5.13	21.76	22.72	15.23	8.54	17.90	WET	WET	NORM	NORM	WET
1987	2.85	0.00	4.01	1.95	1.90	2.61	0.52	14.88	13.87	13.61	13.58	8.68	NORM	NORM	NORM	NORM	NORM
1988	2.19	0.35	3.11	4.76	0.74	0.69	1.75	12.22	20.85	14.85	8.31	7.37	NORM	WET	NORM	NORM	NORM
1989	2.03	2.46	0.51	0.32	1.54	3.92	3.68	8.48	4.44	5.77	15.16	20.42	NORM	DRY	DRY	NORM	WET
1990	1.32	1.30	3.00	2.47	3.95	0.98	1.35	12.92	14.71	19.79	13.31	9.96	NORM	NORM	WET	NORM	NORM
1991	0.50	2.51	4.19	5.10	1.11	1.87	1.05	18.09	26.19	17.72	12.93	8.00	WET	WET	NORM	NORM	NORM
1992	1.07	0.12	0.98	3.26	5.45	2.59	0.32	4.25	11.86	23.85	21.93	11.59	DRY	NORM	WET	WET	WET
1993	0.94	2.89	2.73	5.06	5.13	1.44	1.56	14.91	23.53	28.24	19.64	12.69	NORM	WET	WET	WET	WET
1994	0.00	1.37	1.85	1.80	3.04	2.07	0.50	8.29	10.47	14.57	14.09	8.68	NORM	NORM	NORM	NORM	NORM
1995	0.99	3.59	4.98	4.86	2.47	0.00	0.38	23.11	28.13	22.11	9.80	3.61	WET	WET	WET	NORM	DRY
1996	0.16	0.00	5.86	2.59	1.05	0.68	3.63	17.74	19.49	14.19	6.73	13.30	WET	NORM	NORM	DRY	WET
1997	0.22	1.48	4.03	4.84	5.24	1.15	0.62	15.27	24.06	29.43	18.77	9.40	NORM	WET	WET	WET	NORM
1998	2.03	0.75	2.36	5.31	3.30	1.58	0.30	10.61	21.40	22.88	16.65	7.36	NORM	WET	WET	WET	NORM
1999	0.58	3.17	2.08	5.44	1.75	3.33	2.85	13.16	23.65	18.21	18.93	16.96	NORM	WET	NORM	WET	WET
2000	1.65	3.57	1.25	2.44	0.76	0.20	0.13	12.54	13.39	8.41	4.56	1.55	NORM	NORM	DRY	DRY	DRY
2001	0.05	2.04	3.31	4.77	4.74	0.30	1.87	14.06	22.97	27.07	15.15	10.95	NORM	WET	WET	NORM	NORM
2002	1.00	0.90	1.17	0.62	0.72	1.82	2.48	6.31	5.10	4.57	7.52	11.80	DRY	DRY	DRY	DRY	WET
2003	0.41	3.65	2.95	2.47	0.79	0.50	0.85	16.56	16.96	10.26	5.55	4.34	WET	NORM	NORM	DRY	DRY
2004	1.47	0.53	3.31	2.01	1.53	1.30	4.25	12.46	13.18	11.92	8.97	16.88	NORM	NORM	NORM	NORM	WET
2005	1.07	2.9	3.97	2.66	1.06	0.97	0.1	18.78	18.82	12.47	7.69	3.30	WET	NORM	NORM	NORM	DRY
2006	2.21	1.48	0.80	1.22	1.10	1.36	2.45	7.57	6.74	6.54	7.50	11.17	NORM	DRY	DRY	DRY	NORM
2007	2.18	0.70	3.98	1.90	0.00	2.48	1.30	15.52	14.36	7.78	9.34	8.86	NORM	NORM	DRY	NORM	NORM
2008	0.50	0.85	6.20	4.85	2.27	0.48	1.68	20.80	27.80	22.71	10.83	8.27	WET	WET	WET	NORM	NORM
2009	0.60	1.40	0.26	2.24	3.70	1.18	0.65	4.18	8.64	15.84	13.18	8.01	DRY	DRY	NORM	NORM	NORM
2010	1.30	2.07	2.82	2.52	3.37	0.89	1.55	13.90	15.27	17.97	11.93	9.80	NORM	NORM	NORM	NORM	NORM
2011	0.36	1.57	4.59	4.57	1.50	1.09	0.74	17.27	24.46	18.23	10.84	5.90	WET	WET	NORM	NORM	NORM
2012	0.03	1.89	1.23	1.26	0.46	0.40	0.22	7.50	8.13	5.13	3.38	1.92	DRY	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.27	1.57
April	0.84	1.86	2.32
May	1.76	2.77	3.34
June	1.96	3.17	3.84
July	1.43	2.36	2.86
August	0.92	1.71	2.11
Sept.	0.42	1.26	1.50
Jun-MAM	7.56	13.30	16.23
Jul-JMA	10.24	16.91	20.52
Aug-JJM	9.97	16.19	19.60
Sep-AJJ	7.58	13.02	15.89
Oct-SAJ	4.53	9.56	11.58

Normals are for 1971-2000 data

March	1.27
April	1.86
May	2.77
June	3.17
July	2.36
August	1.71
Sept.	1.26

Note:

Philip 2 N and 1 S NWS Station (SD5506) was used for April and May 1986; March 1988; March 1990; and April 1999.

Cottonwood 2E NWS Station (SD1972) was used for April 1997; March and August 2002; and August 2009.

Philip AP NWS Station (SD6552) was used for March-Sept. 2011.
Philip AP NWS Station (SD024) was used for March-Sept. 2012.

Rainfall Data
Milbank 2 SSW
Station #SD5536
Grant County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.49	0.24	1.56	6.74	2.81	3.68	0.85	5.65	23.58	23.47	23.40	12.72	DRY	WET	NORM	WET	NORM
1981	0.83	1.19	1.48	3.93	4.67	2.04	0.57	7.65	15.94	23.35	19.39	10.46	NORM	NORM	NORM	NORM	NORM
1982	0.03	0.11	3.27	0.85	3.65	1.30	2.28	10.06	9.20	15.92	12.05	13.09	NORM	DRY	NORM	NORM	NORM
1983	0.70	0.14	1.19	3.84	4.12	4.03	2.54	4.55	14.04	21.23	24.17	19.80	DRY	NORM	NORM	WET	WET
1984	1.62	3.21	1.16	7.89	1.46	2.57	1.71	11.52	29.20	21.32	18.52	11.73	NORM	WET	NORM	NORM	NORM
1985	3.93	1.30	2.03	1.75	3.99	3.33	3.46	12.62	10.61	17.50	19.72	21.03	NORM	NORM	NORM	NORM	WET
1986	1.64	6.24	3.13	2.39	5.60	2.06	4.23	23.51	19.67	24.71	19.77	22.41	WET	NORM	WET	NORM	WET
1987	1.53	0.77	1.79	0.34	4.06	2.37	2.66	8.44	5.37	14.65	15.57	16.78	NORM	DRY	NORM	NORM	NORM
1988	1.43	0.24	2.64	1.54	1.46	5.09	2.16	9.83	10.14	10.10	19.73	18.12	NORM	NORM	DRY	NORM	WET
1989	2.01	4.03	0.70	1.35	3.69	4.62	1.39	12.17	9.48	14.47	22.59	17.10	NORM	DRY	NORM	WET	NORM
1990	1.35	1.42	2.32	5.14	3.48	4.98	2.75	11.15	21.48	23.04	27.04	21.69	NORM	WET	NORM	WET	WET
1991	1.88	4.16	5.04	5.68	4.81	3.79	0.98	25.32	31.28	30.83	26.67	15.33	WET	WET	WET	WET	NORM
1992	1.44	2.53	1.13	6.74	5.74	0.96	1.48	9.89	25.01	31.83	21.10	12.10	NORM	WET	WET	NORM	NORM
1993	0.89	2.59	2.94	6.01	6.83	2.41	2.45	14.89	26.50	35.45	26.90	19.00	NORM	WET	WET	WET	WET
1994	0.49	4.16	0.99	3.32	7.58	2.88	1.87	11.78	16.10	30.37	27.12	18.95	NORM	NORM	WET	WET	WET
1995	2.68	3.03	3.96	1.62	7.19	6.07	2.80	20.62	15.81	28.77	34.21	27.73	WET	NORM	WET	WET	WET
1996	0.14	0.08	4.15	2.03	2.10	0.95	2.90	12.75	14.47	14.51	9.08	12.70	NORM	NORM	NORM	DRY	NORM
1997	1.31	2.23	1.22	0.59	5.22	3.99	1.64	9.43	6.44	18.06	23.00	18.12	NORM	DRY	NORM	WET	WET
1998	0.91	1.41	4.84	1.85	0.50	1.74	0.19	18.25	16.64	10.04	8.07	4.55	WET	NORM	DRY	DRY	DRY
1999	0.93	2.04	2.93	5.00	3.21	2.47	2.76	13.80	22.90	22.56	18.83	16.43	NORM	WET	NORM	NORM	NORM
2000	0.60	1.44	3.48	3.21	4.67	0.71	1.54	13.92	18.03	23.91	14.68	10.71	NORM	NORM	NORM	NORM	NORM
2001	0.16	6.72	3.72	5.49	2.22	0.26	3.30	24.76	30.63	21.36	10.71	12.64	WET	WET	NORM	DRY	NORM
2002	0.54	1.84	2.82	2.99	2.70	3.27	0.98	12.68	16.45	16.90	18.20	12.18	NORM	NORM	NORM	NORM	NORM
2003	0.21	3.50	3.85	1.64	2.41	0.79	1.45	18.76	16.12	14.36	8.83	8.34	WET	NORM	NORM	DRY	DRY
2004	0.71	1.62	4.67	3.53	4.08	1.26	6.29	17.96	21.55	23.97	15.47	25.47	WET	WET	WET	NORM	WET
2005	0	1.6	2.65	5.23	1.49	2.35	2.88	11.15	22.59	17.58	15.26	14.83	NORM	WET	NORM	NORM	NORM
2006	1.60	4.05	1.90	2.63	0.22	1.85	5.08	15.40	15.74	7.82	8.62	19.16	NORM	NORM	DRY	DRY	WET
2007	2.30	6.76	2.02	6.20	4.32	4.05	3.70	21.88	29.40	27.38	26.99	23.52	WET	WET	WET	WET	WET
2008	0.93	3.44	2.76	5.89	5.13	2.15	2.83	16.09	26.63	29.93	22.60	17.92	WET	WET	WET	WET	WET
2009	2.25	1.41	0.70	2.36	2.93	6.44	1.09	7.17	9.89	14.21	27.54	19.08	NORM	NORM	NORM	WET	WET
2010	1.00	1.34	2.57	3.78	2.87	4.90	5.10	11.39	17.82	18.74	24.22	27.97	NORM	NORM	NORM	WET	WET
2011	1.70	1.32	4.75	5.47	6.94	1.81	0.35	18.59	27.23	36.51	24.78	11.61	WET	WET	WET	WET	NORM
2012	1.34	4.03	2.65	5.13	0.67	1.69	0.11	17.35	24.72	14.92	11.54	4.38	WET	WET	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.56	1.36	1.65
April	0.90	2.16	2.62
May	1.46	2.47	2.99
June	1.94	3.46	4.22
July	2.03	3.44	4.17
August	1.75	2.64	3.17
Sept.	1.08	1.91	2.32
Jun-MAM	6.74	13.09	15.86
Jul-JMA	9.64	17.48	21.26
Aug-JJM	11.43	19.71	23.94
Sep-AJJ	11.25	18.26	22.07
Oct-SAJ	8.77	14.45	17.47

Normals are for 1971-2000 data

March	1.36
April	2.16
May	2.47
June	3.46
July	3.44
August	2.64
Sept.	1.91

NOTE:

Wilmot 1 ENE NWS Station (SD9337) was used for May and June 1982.

Summit 1 W NWS Station (SD8116) was used for June-Sept. 1983; April-July 1985; March-Sept. 1997; March 2008.

District average was used for July 1996.

Milbank NWS Station (SD5531) was used for Sept. 2009; 2010 to current.

Rainfall Data
Milesville 5 NE
Station #SD5544
Haakon County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.47	1.12	0.69	2.86	1.27	2.73	0.41	4.78	11.08	10.22	13.59	7.96	DRY	NORM	NORM	NORM	NORM
1981	0.28	0.13	3.47	2.67	4.25	4.47	0.84	10.95	15.08	21.56	24.58	15.71	NORM	NORM	NORM	WET	WET
1982	2.44	0.66	9.87	1.75	3.26	4.70	1.66	33.37	25.65	23.15	22.37	17.64	WET	WET	WET	WET	WET
1983	1.76	1.34	4.37	3.80	1.39	2.11	0.74	17.55	21.48	16.14	12.91	7.83	NORM	NORM	NORM	NORM	NORM
1984	0.73	2.34	3.06	6.30	1.32	1.61	0.82	14.59	27.36	19.62	13.77	7.00	NORM	WET	NORM	NORM	NORM
1985	1.04	0.76	1.48	1.81	2.35	1.76	1.46	7.00	9.15	12.15	11.79	10.25	DRY	DRY	NORM	NORM	NORM
1986	1.37	5.72	3.67	4.34	5.37	2.29	3.23	23.82	26.08	28.46	21.95	19.64	WET	WET	WET	WET	WET
1987	3.67	0.19	3.70	1.63	7.66	4.39	0.41	15.15	12.48	29.94	30.12	17.67	NORM	NORM	WET	WET	WET
1988	0.55	0.80	3.28	5.90	0.35	1.40	1.02	11.99	25.06	16.13	10.80	6.21	NORM	WET	NORM	NORM	NORM
1989	1.54	2.55	0.83	1.73	1.98	1.03	3.34	9.13	9.40	10.23	8.78	14.06	NORM	DRY	NORM	NORM	WET
1990	0.77	1.25	1.38	2.91	0.64	3.17	0.80	7.41	12.74	9.12	13.70	9.38	DRY	NORM	DRY	NORM	NORM
1991	1.21	2.28	7.49	2.16	0.79	1.22	0.39	28.24	23.74	14.18	7.40	4.40	WET	WET	NORM	DRY	DRY
1992	0.97	0.26	1.56	6.20	6.98	3.29	0.50	6.17	21.98	34.90	30.03	15.06	DRY	WET	WET	WET	WET
1993	1.90	2.18	5.25	3.52	8.36	0.36	1.96	22.01	23.24	37.37	21.32	14.96	WET	WET	WET	WET	WET
1994	0.21	1.41	0.67	6.39	3.11	0.52	0.63	5.04	21.92	22.78	14.17	6.04	DRY	WET	WET	NORM	NORM
1995	1.28	2.88	4.34	4.20	4.63	0.13	1.17	20.06	24.16	26.63	13.85	8.40	WET	WET	WET	NORM	NORM
1996	0.77	0.97	5.91	1.12	1.69	1.21	4.79	20.44	16.15	13.22	8.13	18.48	WET	NORM	NORM	NORM	WET
1997	0.27	3.59	4.61	1.83	5.56	2.07	0.51	21.28	18.30	24.95	19.16	11.23	WET	NORM	WET	WET	NORM
1998	1.93	0.45	2.33	4.95	1.55	2.96	0.36	9.82	19.96	16.88	16.93	8.55	NORM	NORM	NORM	NORM	NORM
1999	0.28	3.28	2.58	4.16	2.75	2.13	1.67	14.58	20.92	19.15	16.05	12.02	NORM	NORM	NORM	NORM	NORM
2000	2.51	6.09	2.76	3.21	2.10	0.07	0.96	22.97	21.24	15.48	7.62	5.12	WET	NORM	NORM	NORM	NORM
2001	0.24	2.05	2.42	1.98	7.11	0.55	0.96	11.60	12.83	27.71	17.85	11.09	NORM	NORM	WET	NORM	NORM
2002	1.12	1.60	1.09	0.67	1.15	1.73	2.04	7.59	5.79	5.88	8.16	10.73	DRY	DRY	DRY	NORM	NORM
2003	1.20	2.37	1.47	2.39	0.92	0.19	1.25	10.35	12.48	9.01	4.80	5.05	NORM	NORM	DRY	DRY	NORM
2004	1.42	1.20	3.30	3.85	2.08	2.30	3.63	13.72	19.35	17.24	14.91	17.57	NORM	NORM	NORM	NORM	WET
2005	1.00	2.35	5.54	4.24	0.78	1.74	1.05	22.32	26.15	16.36	11.02	7.41	WET	WET	NORM	NORM	NORM
2006	1.77	1.59	1.08	1.53	0.90	2.42	3.47	8.19	8.34	6.84	10.59	16.15	DRY	DRY	DRY	NORM	WET
2007	2.37	1.11	3.20	5.30	1.05	1.47	0.91	14.19	23.41	16.95	11.81	6.72	NORM	WET	NORM	NORM	NORM
2008	0.62	0.99	7.13	8.67	4.84	1.84	1.48	23.99	41.26	38.99	23.87	12.96	WET	WET	WET	WET	NORM
2009	2.83	1.13	0.59	1.70	5.52	1.98	0.45	6.86	7.41	20.55	18.68	10.83	DRY	DRY	NORM	WET	NORM
2010	1.73	1.77	3.62	6.56	2.84	1.23	3.67	16.13	28.69	25.26	15.93	16.31	NORM	WET	WET	NORM	WET
2011	0.56	2.74	3.57	4.93	1.91	2.70	0.93	16.75	24.67	19.16	16.85	10.10	NORM	WET	NORM	NORM	NORM
2012	0.08	1.66	1.62	3.21	1.05	0.68	0.05	8.26	14.53	11.19	7.35	2.56	DRY	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.23	1.50
April	0.92	1.95	2.39
May	2.00	3.43	4.17
June	2.05	3.09	3.71
July	1.37	2.92	3.57
August	0.91	1.97	2.40
Sept.	0.48	1.32	1.59
Jun-MAM	8.44	15.42	18.79
Jul-JMA	11.07	18.08	21.86
Aug-JJM	10.21	18.37	22.30
Sep-AJJ	7.52	14.84	18.05
Oct-SAJ	4.63	10.82	13.14

Normals are for 1971-2000 data

March	1.23
April	1.95
May	3.43
June	3.09
July	2.92
August	1.97
Sept.	1.32

Rainfall Data
Miller
Station #SD5561
Hand County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.46	1.28	1.78	4.00	2.90	2.47	0.21	8.36	16.84	18.48	17.21	8.47	NORM	NORM	NORM	WET	NORM
1981	1.96	0.81	1.37	2.55	2.70	3.45	0.42	7.69	11.20	14.57	18.30	10.86	DRY	NORM	NORM	WET	NORM
1982	1.98	0.94	5.98	0.80	3.64	2.04	2.10	21.80	15.30	18.50	14.20	14.02	WET	NORM	NORM	NORM	NORM
1983	2.75	0.98	2.77	4.91	2.58	0.48	2.56	13.02	21.25	20.33	11.51	11.22	NORM	WET	NORM	NORM	NORM
1984	1.51	2.70	2.25	5.66	1.72	2.81	0.98	13.66	24.18	18.73	17.53	10.28	NORM	WET	NORM	WET	NORM
1985	0.38	0.27	1.63	2.30	4.40	3.36	5.02	5.81	10.43	19.43	21.18	26.18	DRY	NORM	NORM	WET	WET
1986	1.88	6.37	2.43	4.42	2.51	1.32	4.21	21.91	24.49	18.80	13.40	17.78	WET	WET	NORM	NORM	WET
1987	2.31	0.73	1.27	0.73	1.00	1.36	1.60	7.58	5.46	5.73	6.81	8.52	DRY	DRY	DRY	DRY	NORM
1988	0.55	1.53	4.57	1.39	2.19	1.49	2.70	17.32	14.84	13.92	10.24	13.27	NORM	NORM	NORM	NORM	NORM
1989	0.83	1.46	0.64	0.65	1.30	1.44	3.80	5.67	4.69	5.84	7.57	15.58	DRY	DRY	DRY	DRY	WET
1990	0.59	2.18	1.98	6.18	1.93	2.24	0.52	10.89	24.68	20.13	16.76	7.97	NORM	WET	NORM	NORM	NORM
1991	0.58	5.16	6.10	3.51	1.98	3.35	2.11	29.20	27.89	19.06	17.52	15.01	WET	WET	NORM	WET	WET
1992	0.79	0.64	0.21	5.71	5.81	2.92	1.95	2.70	18.19	29.06	26.09	17.50	DRY	NORM	WET	WET	WET
1993	1.00	2.24	3.86	5.25	5.69	1.23	1.36	17.06	25.71	31.43	20.32	12.23	NORM	WET	WET	WET	NORM
1994	0.16	2.36	0.43	4.34	4.51	1.74	0.58	6.17	16.24	22.64	18.58	9.73	DRY	NORM	WET	WET	NORM
1995	2.53	3.33	6.67	1.99	1.40	1.44	3.88	29.20	22.64	14.85	9.11	15.92	WET	WET	NORM	NORM	WET
1996	1.00	0.22	6.64	0.91	3.18	0.45	6.46	21.36	16.23	18.00	8.62	23.46	WET	NORM	NORM	NORM	WET
1997	0.38	2.67	2.70	4.09	5.92	1.63	1.99	13.82	20.34	28.64	20.82	15.15	NORM	NORM	WET	WET	WET
1998	1.73	2.46	5.28	3.87	1.79	4.21	0.04	22.49	24.63	18.39	20.08	10.33	WET	WET	NORM	WET	NORM
1999	0.79	3.04	4.36	3.59	1.35	1.56	2.22	19.95	22.53	15.59	10.97	11.13	WET	WET	NORM	NORM	NORM
2000	0.66	2.92	4.38	2.21	3.41	2.09	0.12	19.64	18.31	19.03	15.30	7.95	WET	NORM	NORM	NORM	NORM
2001	0.12	4.10	2.78	2.50	2.64	1.35	1.99	16.66	17.16	15.70	11.83	11.31	NORM	NORM	NORM	NORM	NORM
2002	0.44	1.47	0.72	1.62	2.39	3.06	1.04	5.54	7.77	11.13	15.58	11.63	DRY	DRY	NORM	NORM	NORM
2003	0.47	1.80	2.26	3.32	2.24	2.09	1.54	10.85	16.28	15.62	14.07	11.04	NORM	NORM	NORM	NORM	NORM
2004	2.66	0.99	3.06	4.41	4.66	2.98	4.50	13.82	20.34	25.86	22.67	24.12	NORM	NORM	WET	WET	WET
2005	0.2	1.17	2.87	7.83	1.73	3.75	2.37	11.15	30.40	23.72	22.54	16.34	NORM	WET	WET	WET	WET
2006	1.06	1.05	0.41	1.00	0.31	3.36	2.81	4.39	4.87	3.34	11.70	15.46	DRY	DRY	DRY	NORM	WET
2007	1.29	2.54	5.51	3.29	0.21	8.55	1.04	22.90	23.43	12.72	29.36	20.43	WET	WET	NORM	WET	WET
2008	1.27	1.44	2.51	3.95	4.61	1.16	2.83	11.68	18.31	24.24	16.65	15.42	NORM	NORM	WET	NORM	WET
2009	2.61	0.56	1.09	2.20	3.05	2.82	1.23	7.00	9.34	14.64	16.76	12.38	DRY	DRY	NORM	NORM	NORM
2010	1.43	2.91	5.67	5.04	4.53	1.47	5.18	24.26	29.37	29.34	18.51	23.01	WET	WET	WET	WET	WET
2011	1.14	2.82	5.36	6.98	2.68	3.01	1.14	22.86	34.48	27.36	21.37	12.12	WET	WET	WET	WET	NORM
2012	0.56	4.60	2.83	1.65	2.31	0.81	0.16	18.25	15.21	13.06	8.70	4.41	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.55	1.29	1.57
April	1.17	2.11	2.58
May	1.62	3.14	3.84
June	1.71	2.90	3.52
July	1.61	2.60	3.18
August	1.20	2.01	2.44
Sept.	0.54	1.80	2.16
Jun-MAM	7.75	14.93	18.25
Jul-JMA	9.54	17.09	20.82
Aug-JJM	9.87	16.74	20.42
Sep-AJJ	8.53	14.13	17.20
Oct-SAJ	5.63	12.02	14.54

Normals are for 1971-2000 data

March	1.29
April	2.11
May	3.14
June	2.90
July	2.60
August	2.01
Sept.	1.80

NOTE:

Wessington 2 SE NWS Station (SD9064) was used for June 1980.

District average was used for March 1997.

Rainfall Data
Mission
Station #SD5620
Todd County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.29	0.62	1.43	2.37	0.64	3.66	0.49	6.82	10.59	8.09	14.63	9.43	DRY	DRY	DRY	NORM	NORM
1981	1.05	0.43	4.44	2.56	4.11	2.51	0.87	15.23	16.99	21.89	18.31	11.74	NORM	NORM	NORM	WET	NORM
1982	1.07	0.97	7.80	5.31	3.65	2.81	1.69	26.41	32.50	29.37	21.04	14.34	WET	WET	WET	WET	WET
1983	1.69	1.96	4.82	3.85	3.46	1.18	1.21	20.07	23.15	22.90	14.31	9.45	WET	WET	WET	NORM	NORM
1984	1.15	2.97	2.54	2.00	3.94	0.54	1.17	14.71	14.05	18.36	11.50	8.53	NORM	NORM	NORM	NORM	NORM
1985	0.80	1.94	0.37	1.30	2.82	1.53	2.02	5.79	6.58	11.43	11.53	11.94	DRY	DRY	DRY	NORM	NORM
1986	2.15	3.78	2.41	3.52	3.70	2.47	3.14	16.94	19.16	20.55	18.33	18.06	NORM	NORM	NORM	WET	WET
1987	2.87	0.57	4.96	0.80	3.68	1.54	0.61	18.89	12.89	17.60	12.78	8.59	NORM	NORM	NORM	NORM	NORM
1988	0.83	1.02	4.72	3.31	2.41	0.57	1.56	17.03	20.39	18.57	9.84	8.23	NORM	NORM	NORM	NORM	NORM
1989	0.80	1.00	1.16	1.63	1.57	1.60	4.95	6.28	8.21	9.13	9.57	19.62	DRY	DRY	DRY	DRY	WET
1990	1.84	1.50	3.36	3.21	5.89	1.32	0.27	14.92	17.85	27.45	18.95	9.34	NORM	NORM	WET	WET	NORM
1991	0.78	2.70	7.22	5.78	0.70	1.45	0.23	27.84	34.48	20.88	11.53	4.29	WET	WET	NORM	NORM	DRY
1992	1.08	0.57	0.34	4.99	5.18	1.45	1.58	3.24	16.22	25.86	19.70	12.82	DRY	NORM	WET	WET	NORM
1993	0.56	2.81	2.03	3.93	3.08	0.99	1.77	12.27	18.66	19.13	13.06	10.37	NORM	NORM	NORM	NORM	NORM
1994	0.22	2.95	0.58	3.83	3.00	4.80	0.82	7.86	15.60	17.24	24.23	15.06	DRY	NORM	NORM	WET	WET
1995	1.12	3.19	6.04	4.26	1.50	1.24	1.07	25.62	28.05	19.06	10.98	7.19	WET	WET	NORM	NORM	NORM
1996	0.36	1.00	5.67	0.89	0.51	1.52	4.76	19.37	15.01	8.98	6.47	17.83	NORM	NORM	DRY	DRY	WET
1997	0.11	3.93	2.43	4.71	3.81	1.44	1.11	15.26	22.92	23.28	16.65	10.02	NORM	WET	WET	NORM	NORM
1998	2.04	0.62	3.00	5.31	5.49	1.99	0.99	12.28	22.55	30.09	22.26	12.44	NORM	NORM	WET	WET	NORM
1999	0.56	3.98	4.33	5.38	2.01	2.61	4.15	21.51	28.78	21.12	17.23	19.68	WET	WET	NORM	NORM	WET
2000	0.53	2.90	6.18	4.42	3.14	0.81	0.53	24.87	28.52	24.44	13.13	6.35	WET	WET	WET	NORM	DRY
2001	0.77	4.81	2.74	3.62	3.64	0.23	1.89	18.61	21.15	20.90	11.59	9.77	NORM	NORM	NORM	NORM	NORM
2002	0.98	1.48	1.90	0.33	0.67	0.56	3.50	9.64	6.27	4.57	3.35	12.29	NORM	DRY	DRY	DRY	NORM
2003	1.25	1.95	2.10	2.90	1.18	1.03	0.82	11.45	14.85	11.44	8.35	5.70	NORM	NORM	DRY	DRY	DRY
2004	2.97	0.40	3.92	1.82	3.94	1.77	2.74	15.53	13.70	19.38	15.01	15.70	NORM	NORM	NORM	NORM	WET
2005	1.27	5.45	3.51	5.17	2.73	1.66	0.91	22.70	27.98	22.04	15.61	8.78	WET	WET	NORM	NORM	NORM
2006	2.20	2.84	0.55	3.03	0.59	3.83	2.90	9.53	13.03	8.38	15.70	16.95	NORM	NORM	DRY	NORM	WET
2007	2.31	1.14	4.31	2.63	0.17	3.18	2.17	17.52	17.65	10.08	12.51	13.04	NORM	NORM	DRY	NORM	NORM
2008	0.91	1.60	3.81	8.05	1.89	0.82	2.86	15.54	33.37	25.58	14.29	12.11	NORM	WET	WET	NORM	NORM
2009	1.61	2.86	0.90	3.05	5.79	3.42	0.56	10.03	13.81	24.37	24.89	14.31	NORM	NORM	WET	WET	WET
2010	1.42	3.55	1.63	4.35	3.19	0.78	0.86	13.41	19.86	19.90	13.07	7.33	NORM	NORM	NORM	NORM	NORM
2011	0.91	2.20	4.94	8.71	5.59	0.76	1.28	20.13	38.21	39.13	22.17	10.95	WET	WET	WET	WET	NORM
2012	0.13	3.42	1.11	2.62	1.51	0.71	0.47	10.30	13.50	10.88	7.77	4.34	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.52	1.16	1.42
April	1.24	2.12	2.58
May	1.95	3.58	4.37
June	2.10	3.21	3.85
July	1.89	2.97	3.59
August	1.30	1.90	2.27
Sept.	0.78	1.59	1.95
Jun-MAM	8.85	16.14	19.69
Jul-JMA	11.44	18.91	22.87
Aug-JJM	11.82	18.91	22.84
Sep-AJJ	9.78	14.85	17.84
Oct-SAJ	6.83	11.54	13.98

Normals are for 1971-2000 data

March	1.16
April	2.12
May	3.58
June	3.21
July	2.97
August	1.90
Sept.	1.59

Rainfall Data
Mission 14 S
Station #SD5638
Todd County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.41	0.51	1.64	8.22	1.30	5.11	0.51	7.35	28.45	21.98	26.15	13.05	DRY	WET	NORM	WET	NORM
1981	1.81	0.54	3.72	1.91	4.67	3.07	0.42	14.05	13.71	21.55	20.46	12.07	NORM	NORM	NORM	WET	NORM
1982	1.10	0.71	7.29	5.31	3.65	2.81	1.69	24.39	31.22	28.86	21.04	14.34	WET	WET	WET	WET	NORM
1983	1.69	1.96	4.82	3.85	3.46	1.18	1.21	20.07	23.15	22.90	14.31	9.45	WET	WET	NORM	NORM	NORM
1984	1.15	2.97	2.54	1.89	3.33	2.05	1.12	14.71	13.72	16.31	14.70	10.79	NORM	NORM	NORM	NORM	NORM
1985	0.81	1.89	0.66	1.42	2.86	2.79	2.45	6.57	7.47	12.08	15.51	15.79	DRY	DRY	DRY	NORM	WET
1986	1.91	4.21	3.42	3.00	2.47	1.48	3.09	20.59	20.05	16.83	12.38	14.70	WET	NORM	NORM	NORM	NORM
1987	2.37	0.65	3.74	1.03	4.77	2.79	0.77	14.89	11.22	20.11	18.94	12.66	NORM	DRY	NORM	NORM	NORM
1988	1.36	1.68	4.69	3.73	2.84	0.94	1.57	18.79	22.25	20.67	12.23	9.43	NORM	NORM	NORM	NORM	NORM
1989	0.84	0.72	1.01	0.95	1.23	2.51	3.34	5.31	5.59	6.60	10.94	16.27	DRY	DRY	DRY	NORM	WET
1990	1.42	1.36	5.27	2.33	4.00	1.92	0.33	19.95	18.89	21.93	16.09	8.83	WET	NORM	NORM	NORM	NORM
1991	1.10	2.73	4.89	3.51	2.04	2.58	1.14	21.23	23.04	18.03	15.33	10.62	WET	WET	NORM	NORM	NORM
1992	1.12	0.75	0.47	4.20	3.56	2.97	1.78	4.03	14.29	19.55	20.23	14.84	DRY	NORM	NORM	WET	NORM
1993	0.82	3.48	1.50	4.69	2.54	2.71	2.07	12.28	20.55	18.50	17.90	14.17	NORM	NORM	NORM	NORM	NORM
1994	0.46	2.30	1.32	5.24	4.36	3.43	0.64	9.02	20.66	24.88	24.25	13.14	DRY	NORM	WET	WET	NORM
1995	1.12	3.88	7.20	3.84	1.77	1.40	2.14	30.48	29.80	20.19	11.58	10.99	WET	WET	NORM	NORM	NORM
1996	0.71	1.47	5.19	0.96	1.02	1.49	5.04	19.22	14.73	10.17	7.47	19.12	NORM	NORM	DRY	DRY	WET
1997	0.11	4.15	2.57	3.35	7.04	0.60	1.26	16.12	19.34	30.39	19.23	12.02	NORM	NORM	WET	NORM	NORM
1998	1.55	0.66	3.23	5.58	8.03	1.62	1.16	12.56	23.86	38.48	26.50	14.75	NORM	WET	WET	WET	NORM
1999	0.31	3.76	5.78	4.35	2.68	2.01	4.49	25.17	28.37	22.52	15.74	20.17	WET	WET	NORM	NORM	WET
2000	0.49	2.89	4.96	4.69	4.22	1.00	0.49	21.15	26.88	27.00	16.13	7.69	WET	WET	WET	NORM	NORM
2001	0.35	6.21	2.94	2.24	3.56	0.55	2.41	21.59	18.81	18.10	11.01	11.89	WET	NORM	NORM	NORM	NORM
2002	0.66	1.45	2.06	1.28	0.82	1.54	2.33	9.74	9.41	7.08	7.54	10.89	DRY	DRY	DRY	DRY	NORM
2003	1.32	1.71	2.20	2.92	0.99	0.58	0.82	11.34	14.87	11.01	6.64	4.61	NORM	NORM	DRY	DRY	DRY
2004	2.97	0.63	4.45	2.38	2.21	0.71	2.85	17.58	16.67	15.84	8.93	12.18	NORM	NORM	NORM	DRY	NORM
2005	1.3	4.94	2.95	5.8	1.24	1.93	1.23	20.03	28.24	18.27	14.07	8.79	WET	WET	NORM	NORM	NORM
2006	1.46	2.84	0.33	2.80	0.46	2.96	2.10	8.13	11.90	7.31	12.60	12.68	DRY	NORM	DRY	NORM	NORM
2007	2.19	1.64	5.23	2.69	0.90	8.54	1.05	21.16	20.17	13.31	30.11	21.13	WET	NORM	NORM	WET	WET
2008	0.84	1.91	3.18	4.76	2.41	0.87	2.77	14.20	22.55	19.93	12.19	12.46	NORM	NORM	NORM	NORM	NORM
2009	1.76	3.65	0.56	5.12	5.12	2.83	0.56	10.74	20.13	26.16	23.85	12.46	NORM	NORM	WET	WET	NORM
2010	1.37	4.44	2.18	5.46	2.64	2.08	0.90	16.79	25.18	21.02	16.98	9.50	NORM	WET	NORM	NORM	NORM
2011	0.71	1.53	3.78	6.45	6.32	2.02	1.45	15.11	28.44	35.64	25.15	14.71	NORM	WET	WET	WET	NORM
2012	0.39	3.53	0.88	2.57	1.06	1.09	0.20	10.09	13.00	9.20	7.96	3.84	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.61	1.33	1.62
April	1.24	2.14	2.60
May	2.22	3.61	4.37
June	1.90	3.16	3.83
July	2.18	3.26	3.90
August	1.45	2.13	2.54
Sept.	0.83	1.63	1.99
Jun-MAM	9.75	16.44	19.93
Jul-JMA	11.38	18.84	22.83
Aug-JJM	12.56	19.71	23.73
Sep-AJJ	10.61	16.07	19.25
Oct-SAJ	7.57	12.41	14.95

Normals are for 1971-2000 data

March	1.33
April	2.14
May	3.61
June	3.16
July	3.26
August	2.13
Sept.	1.63

NOTE:
Mission NWS Station (SD5620) was used for June-Sept. 1982; March-Sept. 1983; March-May 1984, and Sept. 2009.

Rainfall Data
Mitchell 2 N
Station #SD5671
Davison County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.85	0.98	1.88	3.09	0.43	4.06	0.44	8.45	14.01	9.35	16.13	9.87	DRY	NORM	DRY	NORM	NORM
1981	1.75	2.73	1.13	2.61	3.88	3.65	1.06	10.60	12.82	17.99	21.32	14.36	NORM	NORM	NORM	WET	NORM
1982	1.32	0.87	6.10	2.54	3.96	1.95	1.84	21.36	20.69	23.06	16.31	13.38	WET	NORM	WET	NORM	NORM
1983	3.51	2.62	1.35	6.76	2.78	0.26	0.92	12.80	25.60	23.21	13.10	6.06	NORM	WET	WET	NORM	DRY
1984	1.18	6.19	2.53	11.11	0.53	2.14	0.78	21.15	44.58	26.34	18.59	7.15	WET	WET	WET	NORM	DRY
1985	2.27	3.92	6.89	1.75	1.77	3.29	4.06	30.78	22.95	15.70	15.16	20.53	WET	NORM	NORM	NORM	WET
1986	1.53	7.07	3.00	5.31	2.23	2.54	6.83	24.67	29.00	20.31	17.39	27.80	WET	WET	NORM	NORM	WET
1987	7.49	0.37	1.03	1.46	4.16	1.43	2.93	11.32	6.81	16.43	14.07	15.81	NORM	DRY	NORM	NORM	NORM
1988	1.00	3.19	3.70	0.41	1.00	2.36	3.35	18.48	11.82	7.52	9.49	15.77	NORM	NORM	DRY	NORM	NORM
1989	1.58	0.69	1.94	2.13	2.95	1.72	3.34	8.78	10.96	15.05	13.19	16.41	DRY	DRY	NORM	NORM	NORM
1990	1.46	0.99	4.80	6.53	2.11	2.76	1.06	17.84	30.18	24.19	19.03	10.81	NORM	WET	WET	NORM	NORM
1991	0.78	3.50	6.22	1.62	0.91	0.95	1.48	26.44	20.80	12.19	6.29	7.25	WET	NORM	NORM	DRY	DRY
1992	1.12	1.95	1.23	1.44	5.59	4.00	2.85	8.71	8.73	20.88	24.62	22.14	DRY	DRY	NORM	WET	WET
1993	1.68	2.83	4.09	9.30	9.81	1.20	2.26	19.61	38.91	52.12	32.52	18.99	NORM	WET	WET	WET	WET
1994	0.30	2.76	0.65	2.73	2.23	0.63	2.46	7.77	12.25	12.80	9.08	10.87	DRY	NORM	NORM	NORM	NORM
1995	3.59	6.71	5.56	3.96	1.98	1.03	1.44	33.69	29.71	19.42	11.01	8.36	WET	WET	NORM	NORM	NORM
1996	0.66	0.95	4.33	3.37	2.56	1.79	4.37	15.55	19.72	18.75	13.86	19.25	NORM	NORM	NORM	NORM	WET
1997	0.10	2.09	4.59	2.06	1.17	1.95	2.38	18.05	17.45	12.22	10.25	12.21	NORM	NORM	NORM	NORM	NORM
1998	1.75	3.71	2.05	3.45	1.98	2.39	1.13	15.32	18.16	14.89	14.58	10.15	NORM	NORM	NORM	NORM	NORM
1999	0.55	5.19	3.58	4.42	3.86	3.13	3.64	21.67	25.61	24.00	21.53	21.04	WET	WET	WET	WET	WET
2000	1.00	2.16	3.41	2.39	1.74	6.20	0.59	15.55	16.15	13.41	24.47	15.91	NORM	NORM	NORM	WET	NORM
2001	0.83	6.31	2.43	4.00	0.96	0.31	2.75	20.74	23.17	13.31	6.85	9.83	NORM	NORM	NORM	DRY	NORM
2002	1.65	1.64	1.44	2.75	0.87	7.03	1.30	9.25	12.77	9.55	25.58	18.83	DRY	NORM	DRY	WET	WET
2003	0.01	3.46	2.31	4.23	2.43	1.76	3.33	13.86	20.77	18.06	14.37	15.94	NORM	NORM	NORM	NORM	NORM
2004	1.39	1.26	7.46	3.72	1.97	3.59	4.46	26.29	27.34	20.81	18.43	22.53	WET	WET	NORM	NORM	WET
2005	0.59	2.55	3.06	12.11	0.83	1.62	3.3	14.87	45.00	29.77	18.63	13.97	NORM	WET	WET	NORM	NORM
2006	1.1	4.2	1.06	1.66	1.24	8.31	5.02	12.68	11.30	8.10	29.07	32.92	NORM	DRY	DRY	WET	WET
2007	2.90	1.65	5.49	4.05	0.08	3.99	1.48	22.67	24.78	13.83	16.18	12.50	WET	WET	NORM	NORM	NORM
2008	1.22	2.67	2.82	4.60	3.59	1.36	1.36	15.02	22.11	22.79	15.86	10.39	NORM	NORM	WET	NORM	NORM
2009	2.38	2.09	1.69	3.91	0.00	2.70	1.37	11.63	17.20	9.51	12.01	9.51	NORM	NORM	DRY	NORM	NORM
2010	1.51	2.30	1.79	8.98	9.75	3.62	2.04	11.48	32.82	49.00	39.34	23.11	NORM	WET	WET	WET	WET
2011	0.84	3.48	4.37	3.74	2.20	1.55	0.34	20.91	23.44	18.45	12.79	6.32	WET	NORM	NORM	NORM	DRY
2012	0.33	4.82	5.98	2.10	0.19	1.46	1.15	27.91	23.08	10.75	6.86	6.56	WET	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.82	1.66	2.02
April	1.56	2.71	3.30
May	1.97	3.33	4.04
June	2.08	3.52	4.27
July	1.43	2.64	3.22
August	1.30	2.32	2.82
Sept.	1.15	2.27	2.77
Jun-MAM	9.85	17.07	20.74
Jul-JMA	11.74	19.93	24.19
Aug-JJM	10.42	18.29	22.24
Sep-AJJ	8.84	15.76	19.17
Oct-SAJ	7.48	14.09	17.17

Normals are for 1971-2000 data

March	1.66
April	2.71
May	3.33
June	3.52
July	2.64
August	2.32
Sept.	2.27

NOTE:

Alexandria NWS Station (SD0128) was used for April-August 2003; May 2011.

Mitchell NWS Station (SD5669) was used for Sept. 2003; March-Sept. 2004; March-Sept. 2005-10; March and April 2011; June-Sept. 2011; 2012.

Rainfall Data
Mobridge 2 NNW
Station #SD5691
Walworth County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.59	1.14	0.22	1.71	2.45	2.40	0.61	3.53	6.71	10.99	13.81	9.08	DRY	DRY	NORM	NORM	NORM
1981	0.44	0.24	4.25	3.16	5.25	3.30	1.99	13.67	18.22	26.32	23.56	17.82	NORM	NORM	WET	WET	WET
1982	2.43	1.48	5.39	1.78	1.20	0.57	0.76	21.56	17.60	12.55	5.89	4.62	WET	NORM	NORM	DRY	DRY
1983	2.40	1.02	2.65	1.45	3.25	1.69	1.30	12.39	10.67	15.30	13.02	10.53	NORM	NORM	NORM	NORM	NORM
1984	1.70	3.13	0.96	5.02	1.00	0.48	0.79	10.84	20.11	14.00	8.46	4.33	NORM	WET	NORM	NORM	DRY
1985	0.62	0.61	1.23	1.84	1.47	3.31	1.48	5.53	8.59	9.32	14.71	12.53	DRY	DRY	NORM	NORM	WET
1986	0.34	4.07	5.54	2.65	4.44	1.31	3.46	25.10	23.10	24.16	15.46	17.44	WET	WET	WET	NORM	WET
1987	0.86	0.14	2.62	1.14	3.11	1.43	0.42	9.00	8.80	14.23	11.65	7.23	NORM	DRY	NORM	NORM	NORM
1988	0.06	0.86	1.97	5.23	0.05	0.67	0.65	7.69	20.49	12.58	7.34	3.34	NORM	WET	NORM	DRY	DRY
1989	1.95	4.07	1.00	0.78	1.76	1.37	0.69	13.09	8.41	7.84	8.41	6.57	NORM	DRY	DRY	NORM	NORM
1990	0.55	0.83	1.28	4.01	2.33	3.20	1.62	6.05	15.42	16.29	18.27	13.59	DRY	NORM	NORM	WET	WET
1991	0.43	1.86	4.37	3.96	1.15	0.57	0.28	17.26	22.48	15.74	7.97	3.13	WET	WET	NORM	NORM	DRY
1992	0.60	0.36	1.51	4.22	3.57	2.78	2.07	5.85	16.04	20.66	19.70	15.34	DRY	NORM	WET	WET	WET
1993	0.31	1.03	1.50	4.66	4.37	1.75	0.87	6.87	18.01	23.93	18.65	10.48	NORM	NORM	WET	WET	NORM
1994	0.53	0.83	1.11	1.55	3.57	1.46	0.30	5.52	7.70	14.92	13.07	7.39	DRY	DRY	NORM	NORM	NORM
1995	0.60	1.66	3.89	3.53	1.65	2.05	1.01	15.59	20.03	15.90	12.98	8.78	WET	WET	NORM	NORM	NORM
1996	0.53	0.60	3.03	3.49	0.77	1.53	4.50	10.82	17.13	12.32	9.62	17.33	NORM	NORM	NORM	NORM	WET
1997	0.38	1.89	1.17	3.25	5.14	0.70	1.13	7.67	13.98	23.09	15.63	9.93	NORM	NORM	WET	NORM	NORM
1998	0.31	0.43	0.81	3.17	1.81	4.38	0.28	3.60	11.56	12.58	19.93	11.41	DRY	NORM	NORM	WET	NORM
1999	0.20	1.30	6.55	3.28	2.62	4.32	4.05	22.45	24.24	20.97	21.48	23.41	WET	WET	WET	WET	WET
2000	1.97	1.42	3.31	3.07	2.10	0.59	0.44	14.74	17.25	15.75	9.04	4.60	NORM	NORM	NORM	NORM	DRY
2001	0.05	1.95	2.46	3.46	6.87	0.19	1.80	11.33	17.25	29.99	17.77	12.65	NORM	NORM	WET	WET	WET
2002	0.22	0.78	0.74	1.00	2.40	1.77	0.71	4.00	5.26	9.94	11.11	8.07	DRY	DRY	NORM	NORM	NORM
2003	0.35	1.35	2.93	2.58	2.34	0.36	1.18	11.84	14.95	15.11	8.34	6.60	NORM	NORM	NORM	NORM	NORM
2004	0.65	0.31	2.99	2.95	1.16	1.16	2.91	10.24	15.14	12.37	8.75	12.21	NORM	NORM	NORM	NORM	WET
2005	0.21	1.20	5.06	2.48	1.29	1.73	0.7	17.79	18.76	13.89	10.25	6.85	WET	NORM	NORM	NORM	NORM
2006	0.12	0.96	0.38	0.65	0.79	1.03	2.82	3.18	3.67	4.05	5.32	11.31	DRY	DRY	DRY	DRY	NORM
2007	2.40	1.37	4.08	2.30	0.87	7.79	1.70	17.38	16.43	11.29	27.41	21.55	WET	NORM	NORM	WET	WET
2008	0.44	0.96	2.41	5.01	2.10	1.88	2.26	9.59	20.81	18.73	14.85	12.64	NORM	WET	WET	NORM	WET
2009	0.59	1.32	1.64	2.46	2.41	2.91	0.86	8.15	11.98	13.79	16.01	10.81	NORM	NORM	NORM	WET	NORM
2010	1.40	1.17	3.95	2.40	1.37	0.65	1.91	15.59	16.27	12.86	7.09	8.40	WET	NORM	NORM	DRY	NORM
2011	1.19	2.04	2.45	4.41	0.86	2.13	0.35	12.62	20.17	13.85	12.52	6.17	NORM	WET	NORM	NORM	NORM
2012	0.08	2.17	3.81	2.29	2.74	1.39	0.00	15.85	16.66	16.61	11.94	5.52	WET	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.44	1.04	1.26
April	0.83	1.64	2.00
May	1.50	2.63	3.20
June	1.90	2.94	3.53
July	1.16	2.27	2.77
August	1.10	1.87	2.27
Sept.	0.56	1.34	1.63
Jun-MAM	6.60	12.21	14.86
Jul-JMA	9.53	15.72	18.99
Aug-JJM	8.78	15.32	18.57
Sep-AJJ	7.52	13.09	15.88
Oct-SAJ	5.04	10.03	12.20

Normals are for 1971-2000 data

March	1.04
April	1.64
May	2.63
June	2.94
July	2.27
August	1.87
Sept.	1.34

NOTE:
Selby NWS Station (SD7545) was used for June 1985.

Rainfall Data
Montrose
Station #SD5733
McCook County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.61	0.62	0.77	2.56	1.07	3.04	1.23	4.16	9.84	9.10	13.82	10.84	DRY	DRY	DRY	NORM	NORM
1981	2.28	1.07	0.83	2.60	4.32	6.84	1.37	6.91	10.53	18.99	31.76	22.11	DRY	DRY	NORM	WET	WET
1982	1.03	1.47	7.77	1.47	2.98	2.62	1.48	27.28	21.42	19.65	15.29	12.66	WET	NORM	NORM	NORM	NORM
1983	2.14	1.59	1.31	7.43	2.28	0.48	0.93	9.25	26.50	23.01	13.43	6.03	DRY	WET	WET	NORM	DRY
1984	1.17	5.28	2.88	9.18	0.40	1.40	1.04	20.37	38.58	22.44	14.18	6.32	WET	WET	NORM	NORM	DRY
1985	2.20	4.76	2.41	1.64	2.86	2.87	3.02	18.95	14.50	14.27	15.97	17.66	NORM	NORM	NORM	NORM	NORM
1986	1.65	7.06	3.19	4.27	2.30	2.62	7.00	25.34	26.25	18.63	16.73	28.54	WET	WET	NORM	NORM	WET
1987	3.94	0.40	2.16	2.54	4.46	1.51	1.66	11.22	12.34	20.62	15.99	12.46	NORM	DRY	NORM	NORM	NORM
1988	0.56	3.00	4.53	1.00	1.91	3.27	3.23	20.15	15.06	12.26	14.63	18.14	NORM	NORM	DRY	NORM	WET
1989	1.42	1.57	1.34	3.09	2.65	1.68	2.52	8.58	13.52	15.47	13.43	13.57	DRY	DRY	NORM	NORM	NORM
1990	1.96	2.37	4.73	4.11	3.32	1.68	0.89	20.89	24.16	22.91	15.79	9.35	WET	WET	WET	NORM	DRY
1991	1.05	2.93	4.44	4.93	2.60	0.74	3.92	20.23	26.60	22.10	12.35	15.84	WET	WET	NORM	NORM	NORM
1992	1.83	1.81	1.10	1.90	7.96	5.40	2.40	8.75	9.71	28.78	34.02	25.96	DRY	DRY	WET	WET	WET
1993	1.65	1.93	6.38	7.96	8.06	4.49	2.24	24.65	38.57	46.48	37.55	23.76	WET	WET	WET	WET	WET
1994	0.14	3.39	1.65	4.47	1.48	1.91	2.60	11.87	20.10	15.03	13.16	13.10	NORM	NORM	NORM	NORM	NORM
1995	1.40	3.93	4.35	1.48	3.08	1.90	3.46	22.31	17.07	16.55	13.34	17.26	WET	NORM	NORM	NORM	NORM
1996	0.13	0.21	5.02	2.57	1.45	2.23	5.83	15.61	17.96	14.51	12.16	23.40	NORM	NORM	NORM	NORM	WET
1997	0.00	2.06	5.18	2.38	3.69	1.68	2.23	19.66	19.56	21.01	14.80	13.74	NORM	NORM	NORM	NORM	NORM
1998	2.95	2.85	1.87	4.32	2.83	4.00	1.52	14.26	19.55	19.00	21.98	15.39	NORM	NORM	NORM	WET	NORM
1999	0.50	6.10	4.70	3.90	4.49	3.20	6.05	26.80	27.20	25.97	22.48	29.04	WET	WET	WET	WET	WET
2000	0.59	4.05	3.98	3.81	2.44	3.73	1.75	20.63	23.44	18.92	19.88	15.15	WET	NORM	NORM	WET	NORM
2001	0.35	7.60	2.75	3.55	8.11	1.60	4.05	23.80	23.75	34.18	24.57	23.46	WET	NORM	WET	WET	WET
2002	1.68	1.25	1.21	2.82	1.44	9.20	2.30	7.81	12.13	11.17	33.30	26.74	DRY	DRY	DRY	WET	WET
2003	0.33	2.84	2.85	7.17	2.80	1.56	2.93	14.56	30.05	25.59	17.45	14.71	NORM	WET	WET	NORM	NORM
2004	1.68	1.17	5.25	4.03	3.54	3.46	4.79	19.77	23.76	23.93	21.49	24.83	NORM	NORM	WET	WET	WET
2005	1.18	2.92	3.64	5.52	2.51	2.4	6.43	17.94	26.76	22.21	17.74	26.60	NORM	WET	NORM	NORM	WET
2006	1.24	6.20	0.49	2.61	2.17	6.10	4.88	15.11	15.01	12.22	25.25	29.01	NORM	NORM	DRY	WET	WET
2007	3.51	3.34	4.57	2.50	0.14	7.18	1.86	23.90	19.98	9.99	24.32	20.08	WET	NORM	DRY	WET	WET
2008	0.90	3.08	3.90	2.37	2.73	1.59	1.95	18.76	17.99	16.83	12.60	11.76	NORM	NORM	NORM	NORM	NORM
2009	1.19	2.39	2.01	8.36	5.57	2.86	1.24	12.00	31.49	35.44	28.08	15.01	NORM	WET	WET	WET	NORM
2010	1.24	2.67	1.84	8.46	7.23	4.29	5.42	12.10	31.73	40.45	35.79	32.07	NORM	WET	WET	WET	WET
2011	1.20	3.54	5.61	4.01	4.44	2.24	0.24	25.11	26.79	26.95	19.61	9.64	WET	WET	WET	NORM	DRY
2012	0.45	3.36	6.20	2.23	0.43	1.80	1.12	25.77	22.45	11.95	8.49	7.39	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.72	1.43	1.74
April	1.59	2.61	3.16
May	2.40	3.41	4.05
June	2.41	3.53	4.21
July	1.92	2.90	3.47
August	1.68	2.40	2.85
Sept.	1.51	2.45	2.96
Jun-MAM	11.10	16.88	20.21
Jul-JMA	13.62	20.02	23.89
Aug-JJM	12.98	19.17	22.88
Sep-AJJ	11.29	16.53	19.70
Oct-SAJ	9.81	15.05	18.05

Normals are for 1971-2000 data

March	1.43
April	2.61
May	3.41
June	3.53
July	2.90
August	2.40
Sept.	2.45

NOTE:
Bridgewater NWS Station (SD1032) was used for March - Sept. 1980-1986; March 1997; March 1998; March - May 1999; Aug. - Sept. 1999; March - Sept. 2001; Aug. - Sept. 2002; and Sept. 2008.

Rainfall Data
Mt Rushmore NATL MEM
Station #SD5870
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.79	1.31	2.30	2.77	2.80	3.27	0.58	10.31	14.22	16.24	18.18	11.08	NORM	NORM	NORM	NORM	NORM
1981	0.16	0.66	6.99	1.27	4.16	1.71	0.40	22.45	18.45	22.01	14.72	8.78	WET	NORM	NORM	NORM	NORM
1982	0.94	0.83	5.34	4.14	2.01	2.06	2.01	18.62	23.93	19.65	14.34	12.16	NORM	NORM	NORM	NORM	NORM
1983	1.44	0.63	3.40	3.02	0.64	1.93	0.31	12.90	16.49	11.36	10.09	5.43	NORM	NORM	DRY	DRY	DRY
1984	0.49	2.83	2.16	6.24	3.39	1.14	0.98	12.63	25.87	24.81	16.44	8.61	NORM	NORM	NORM	NORM	NORM
1985	0.83	0.42	0.75	1.13	1.72	0.59	2.53	3.92	5.31	8.17	6.34	10.49	DRY	DRY	DRY	DRY	NORM
1986	0.71	3.28	1.63	5.56	1.10	1.97	5.97	12.16	23.22	16.05	13.67	22.95	NORM	NORM	NORM	NORM	WET
1987	2.24	0.00	4.79	0.78	1.70	2.61	0.59	16.61	11.92	11.45	12.01	8.69	NORM	DRY	DRY	NORM	NORM
1988	0.31	0.78	1.60	4.13	2.27	2.04	0.34	6.67	16.37	16.67	14.79	7.37	DRY	NORM	NORM	NORM	NORM
1989	0.95	2.12	1.68	2.40	1.63	2.11	5.14	10.23	12.68	11.37	11.99	21.27	NORM	NORM	DRY	NORM	WET
1990	1.62	2.27	6.92	2.41	5.66	1.08	1.36	26.92	23.34	28.72	16.97	11.90	WET	NORM	WET	NORM	NORM
1991	0.50	4.24	6.48	5.91	2.59	0.98	1.74	28.42	34.93	26.07	14.03	9.77	WET	WET	WET	NORM	NORM
1992	2.21	0.83	2.84	3.94	3.87	1.52	0.51	12.39	18.33	22.33	16.24	8.44	NORM	NORM	NORM	NORM	NORM
1993	0.80	3.33	5.99	5.06	3.25	1.76	0.92	25.43	30.49	25.86	16.84	9.53	WET	WET	WET	NORM	NORM
1994	0.76	0.92	2.83	1.25	1.24	3.63	0.77	11.09	10.33	9.05	14.62	10.81	NORM	DRY	DRY	NORM	NORM
1995	1.31	3.19	10.25	4.97	4.39	1.41	1.47	38.44	38.60	33.36	17.98	11.62	WET	WET	WET	NORM	NORM
1996	2.04	2.45	7.23	2.08	2.38	5.92	2.41	28.63	23.15	18.53	24.60	21.45	WET	NORM	NORM	WET	WET
1997	0.53	3.77	6.08	2.54	5.35	2.01	3.08	26.31	23.55	27.21	19.27	18.61	WET	NORM	WET	NORM	WET
1998	3.10	1.26	3.20	6.24	3.64	3.84	2.88	15.22	26.38	26.60	25.04	19.96	NORM	WET	WET	WET	WET
1999	0.92	2.74	2.13	10.09	4.26	1.39	1.67	12.79	37.27	35.09	22.78	12.05	NORM	WET	WET	WET	NORM
2000	1.17	4.37	2.70	1.70	2.55	0.44	0.77	18.01	14.87	13.75	8.12	5.74	NORM	NORM	NORM	DRY	DRY
2001	1.04	2.14	3.62	4.58	4.91	1.87	2.40	16.18	23.12	27.51	20.01	15.85	NORM	NORM	WET	WET	WET
2002	1.94	2.46	3.51	1.69	2.05	1.83	3.20	17.39	14.55	13.04	11.28	15.31	NORM	NORM	DRY	NORM	WET
2003	1.71	3.83	1.65	2.16	0.35	2.47	1.51	14.32	13.61	7.02	10.27	9.82	NORM	NORM	DRY	DRY	NORM
2004	0.37	1.62	2.75	1.89	3.31	1.35	2.96	11.86	12.79	16.46	12.56	14.89	NORM	NORM	NORM	NORM	WET
2005	0.92	1.72	3.98	1.58	3.44	2.43	0.83	16.30	14.42	17.46	15.75	10.79	NORM	NORM	NORM	NORM	NORM
2006	2.84	1.57	3.75	3.22	1.31	3.03	1.64	17.23	18.73	14.12	14.93	12.29	NORM	NORM	NORM	NORM	NORM
2007	1.27	2.01	3.65	1.15	2.09	1.73	1.20	16.24	12.76	12.22	10.52	9.15	NORM	NORM	DRY	DRY	NORM
2008	1.45	1.55	4.09	3.31	1.92	2.30	1.18	16.82	19.66	16.47	14.05	10.06	NORM	NORM	NORM	NORM	NORM
2009	1.56	5.47	2.55	3.70	5.28	1.56	1.96	20.15	21.67	25.79	18.94	14.28	NORM	NORM	WET	NORM	NORM
2010	0.35	4.36	7.49	4.02	1.72	0.92	1.63	31.54	31.40	20.69	10.22	8.45	WET	WET	NORM	DRY	NORM
2011	1.43	1.18	9.16	2.48	3.81	3.24	0.67	31.27	26.94	25.55	19.82	12.30	WET	WET	WET	WET	NORM
2012	0.18	2.34	3.08	1.89	4.43	0.27	0.14	14.10	14.17	20.15	11.56	5.39	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.59	1.17	1.43
April	1.23	2.21	2.72
May	2.30	3.95	4.80
June	2.25	3.74	4.53
July	2.10	3.16	3.78
August	1.36	2.04	2.44
Sept.	0.69	1.55	1.89
Jun-MAM	9.95	17.44	21.27
Jul-JMA	12.58	21.33	25.91
Aug-JJM	13.10	20.91	25.20
Sep-AJJ	10.53	16.18	19.41
Oct-SAJ	6.89	11.89	14.33

Normals are for 1971-2000 data

March	1.17
April	2.21
May	3.95
June	3.74
July	3.16
August	2.04
Sept.	1.55

Rainfall Data
Murdo
Station #SD5891
Jones County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.24	0.36	1.21	1.72	1.51	1.92	0.33	5.59	7.94	9.18	10.50	6.34	DRY	DRY	DRY	NORM	NORM
1981	0.90	0.51	2.85	2.51	6.47	2.71	0.38	10.47	13.74	27.28	23.58	13.03	NORM	NORM	WET	WET	WET
1982	2.30	1.30	6.43	3.31	3.67	2.39	1.65	24.19	24.09	24.06	17.82	13.40	WET	WET	WET	WET	WET
1983	2.52	1.73	4.51	2.63	1.80	0.93	0.46	19.51	18.64	15.17	9.02	5.04	WET	NORM	NORM	NORM	NORM
1984	1.90	3.08	2.88	3.13	2.56	1.70	0.80	16.70	18.23	16.82	13.35	8.36	NORM	NORM	NORM	NORM	NORM
1985	2.29	1.21	0.55	3.77	2.52	2.66	2.10	6.36	13.62	15.65	16.79	14.14	DRY	NORM	NORM	WET	WET
1986	3.11	5.63	3.78	5.85	2.95	0.83	2.32	25.71	30.74	24.33	14.24	11.57	WET	WET	WET	NORM	NORM
1987	4.05	0.18	2.51	2.45	1.91	1.96	0.63	11.94	12.55	13.14	12.15	7.72	NORM	NORM	NORM	NORM	NORM
1988	0.39	1.12	3.02	5.19	0.36	0.81	1.37	11.69	22.73	14.48	8.34	6.09	NORM	WET	NORM	NORM	NORM
1989	1.45	1.24	1.57	0.90	2.03	0.24	3.90	8.64	7.08	9.46	5.68	14.21	DRY	DRY	DRY	DRY	WET
1990	1.51	1.87	2.95	3.65	2.80	0.47	0.63	14.10	18.72	18.65	10.66	5.63	NORM	NORM	NORM	NORM	NORM
1991	0.44	3.25	4.45	6.50	1.38	2.13	1.15	20.29	31.65	21.59	15.65	9.09	WET	WET	NORM	NORM	NORM
1992	2.05	0.00	0.82	4.95	6.16	1.77	0.94	4.51	16.49	29.20	22.58	12.52	DRY	NORM	WET	WET	WET
1993	0.86	3.32	3.55	5.52	4.28	0.88	1.30	18.15	26.98	27.43	16.72	9.94	NORM	WET	WET	NORM	NORM
1994	0.25	2.15	2.80	2.50	3.65	1.65	0.63	12.95	15.25	18.75	14.75	8.84	NORM	NORM	NORM	NORM	NORM
1995	1.90	5.47	4.49	5.65	1.83	0.97	1.24	26.31	31.40	21.28	12.22	7.49	WET	WET	NORM	NORM	NORM
1996	0.69	1.27	5.49	1.36	1.28	0.38	4.64	19.70	16.33	12.05	5.06	15.96	WET	NORM	NORM	DRY	WET
1997	0.16	2.74	3.29	6.61	6.29	1.67	0.73	15.51	29.15	35.38	24.20	11.82	NORM	WET	WET	WET	NORM
1998	3.27	0.52	2.52	4.85	5.23	2.23	0.28	11.87	20.11	27.91	22.00	10.53	NORM	NORM	WET	WET	NORM
1999	1.04	2.76	4.78	2.75	1.68	3.88	3.00	20.90	20.57	15.32	17.75	18.44	WET	NORM	NORM	WET	WET
2000	1.64	3.23	1.63	1.76	2.96	0.34	0.08	12.99	11.77	14.03	8.70	3.88	NORM	NORM	NORM	NORM	DRY
2001	0.19	3.79	3.74	3.23	4.77	0.37	1.61	18.99	20.96	24.51	13.88	10.34	WET	NORM	WET	NORM	NORM
2002	0.76	0.80	1.14	0.21	1.73	2.38	1.80	5.78	3.71	6.75	10.81	11.89	DRY	DRY	DRY	NORM	NORM
2003	0.96	5.12	2.19	2.15	0.39	0.39	0.94	17.77	15.95	7.66	4.10	3.99	NORM	NORM	DRY	DRY	DRY
2004	2.10	0.83	2.80	2.33	1.43	1.17	4.22	12.16	13.42	11.75	8.70	16.43	NORM	NORM	NORM	NORM	WET
2005	1.2	4.51	3.4	4.08	1.31	0.97	0.88	20.42	23.55	15.49	9.61	5.89	WET	WET	NORM	NORM	NORM
2006	2.26	1.05	1.07	0.97	0.38	2.55	2.56	7.57	6.10	4.15	9.38	13.16	DRY	DRY	DRY	NORM	WET
2007	2.37	1.84	4.97	2.68	0.50	2.62	2.10	20.96	19.82	11.83	11.54	12.04	WET	NORM	NORM	NORM	WET
2008	0.74	1.29	4.67	5.45	1.14	2.36	1.80	17.33	26.98	18.99	14.81	11.26	NORM	WET	NORM	NORM	NORM
2009	1.31	2.73	0.66	2.45	4.01	5.40	0.25	8.75	11.40	17.59	26.67	15.56	DRY	NORM	NORM	WET	WET
2010	2.26	2.88	2.83	4.25	2.57	1.74	2.09	16.51	21.29	19.04	14.61	12.32	NORM	NORM	NORM	NORM	WET
2011	1.25	2.01	4.09	7.28	7.26	4.03	0.53	17.54	32.03	40.43	33.89	16.91	NORM	WET	WET	WET	WET
2012	0.13	3.76	1.94	2.27	0.55	0.10	0.04	13.47	14.45	8.13	3.67	0.87	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.69	1.67	2.03
April	1.07	2.24	2.76
May	2.02	2.98	3.56
June	1.96	3.33	4.05
July	1.67	2.79	3.39
August	0.93	1.63	1.98
Sept.	0.47	1.25	1.54
Jun-MAM	8.89	15.09	18.23
Jul-JMA	10.99	18.19	22.03
Aug-JJM	10.95	18.01	21.83
Sep-AJJ	8.09	13.80	16.77
Oct-SAJ	4.94	9.80	11.97

Normals are for 1971-2000 data

March	1.67
April	2.24
May	2.98
June	3.33
July	2.79
August	1.63
Sept.	1.25

Rainfall Data
Newell
Station #SD6054
Butte County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.61	0.69	0.96	3.58	0.94	2.51	0.55	4.87	13.35	10.94	12.99	7.61	DRY	NORM	NORM	WET	NORM
2	1981	0.00	0.04	2.67	3.73	4.07	1.18	1.20	8.09	16.57	22.34	15.41	10.03	NORM	NORM	WET	WET	WET
3	1982	3.31	1.07	8.10	3.72	1.56	1.71	1.39	29.75	28.43	20.22	11.97	9.15	WET	WET	WET	NORM	WET
4	1983	1.69	0.86	1.75	0.64	1.87	2.17	0.78	8.66	6.28	8.64	10.89	8.55	NORM	DRY	NORM	NORM	NORM
5	1984	0.64	2.85	0.81	5.43	0.77	2.35	0.60	8.77	20.76	13.98	14.02	7.27	NORM	WET	NORM	WET	NORM
6	1985	0.93	0.38	0.62	1.47	0.89	0.41	0.75	3.55	6.03	6.23	4.48	3.96	DRY	DRY	DRY	DRY	NORM
7	1986	0.74	3.57	2.63	2.33	1.37	0.42	6.25	15.77	15.82	11.40	6.33	20.96	WET	NORM	NORM	NORM	WET
8	1987	1.28	0.34	4.39	0.19	2.58	3.85	0.80	15.13	9.69	12.51	16.90	12.68	NORM	NORM	NORM	WET	WET
9	1988	1.36	0.71	2.02	2.57	0.63	0.69	1.17	8.84	12.46	9.05	5.90	5.52	NORM	NORM	NORM	NORM	NORM
10	1989	1.46	2.64	1.07	1.41	0.97	0.18	1.52	9.95	9.01	6.80	3.89	5.89	NORM	NORM	DRY	DRY	NORM
11	1990	0.43	2.20	3.21	1.13	2.74	0.11	1.00	14.46	12.01	13.69	6.94	5.96	NORM	NORM	NORM	NORM	NORM
12	1991	0.93	2.99	4.13	1.46	0.19	0.11	0.20	19.30	15.63	7.62	2.17	1.01	WET	NORM	DRY	DRY	DRY
13	1992	0.75	1.21	2.01	1.66	3.46	0.96	0.38	9.20	10.21	15.71	11.46	6.52	NORM	NORM	NORM	NORM	NORM
14	1993	1.13	1.87	3.41	4.14	5.49	0.79	1.18	15.10	21.11	28.16	17.49	10.61	NORM	WET	WET	WET	WET
15	1994	0.25	2.07	0.37	2.25	1.99	1.07	0.33	5.50	9.56	10.84	9.44	5.12	DRY	NORM	NORM	NORM	NORM
16	1995	0.72	2.46	5.58	3.55	1.83	0.55	0.57	22.38	24.27	18.17	8.86	4.64	WET	WET	WET	NORM	NORM
17	1996	1.06	2.02	6.52	0.77	0.91	1.03	1.88	24.66	17.37	10.79	5.68	8.61	WET	NORM	NORM	NORM	NORM
18	1997	0.23	2.21	3.52	1.69	2.64	0.31	0.49	15.21	14.32	14.82	7.90	4.73	WET	NORM	NORM	NORM	NORM
19	1998	1.06	0.40	0.71	7.07	2.80	2.06	1.88	3.99	23.03	23.25	18.85	12.56	DRY	WET	WET	WET	WET
20	1999	0.66	2.84	2.04	6.84	2.54	2.18	0.14	12.46	27.44	23.34	18.46	7.32	NORM	WET	WET	WET	NORM
21	2000	1.00	1.37	2.64	2.82	1.72	0.10	0.33	11.66	15.11	13.44	6.56	2.91	NORM	NORM	NORM	NORM	DRY
22	2001	0.25	1.08	0.68	4.11	2.36	0.51	0.26	4.45	14.77	15.98	10.36	4.16	DRY	NORM	NORM	NORM	NORM
23	2002	0.66	0.74	1.92	0.92	1.75	0.90	2.52	7.90	7.34	9.01	7.12	11.11	NORM	DRY	NORM	NORM	WET
24	2003	1.70	1.42	1.88	2.30	0.21	1.04	2.09	10.18	12.08	7.11	5.84	8.56	NORM	NORM	DRY	NORM	NORM
25	2004	1.16	1.23	3.28	0.81	2.87	0.48	0.76	13.46	10.22	13.51	7.99	6.11	NORM	NORM	NORM	NORM	NORM
26	2005	0.39	1.9	3.88	5.05	0.38	2.43	0.71	15.83	24.81	15.12	13.10	7.37	WET	WET	NORM	WET	NORM
27	2006	1.00	4.25	2.11	0.40	0.18	0.85	2.46	15.83	9.67	3.45	3.31	9.26	WET	NORM	DRY	DRY	WET
28	2007	1.63	0.92	3.81	3.05	1.44	1.77	0.26	14.90	17.69	14.23	11.24	5.76	NORM	NORM	NORM	NORM	NORM
29	2008	0.33	0.60	9.37	5.18	2.23	0.46	0.57	29.64	34.88	26.42	11.02	4.86	WET	WET	WET	NORM	NORM
30	2009	2.82	2.06	0.72	2.95	2.11	2.33	0.28	9.10	12.35	12.95	14.16	7.61	NORM	NORM	NORM	WET	NORM
31	2010	0.41	1.57	4.95	2.85	0.99	1.72	1.23	18.40	20.02	13.62	9.99	8.12	WET	WET	NORM	NORM	NORM
32	2011	1.15	1.05	7.17	1.08	1.84	1.62	0.44	24.76	18.63	14.85	9.62	6.40	WET	NORM	NORM	NORM	NORM
33	2012	0.19	1.87	2.15	0.84	2.68	0.72	0.00	10.38	8.69	11.87	8.36	4.12	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.5	0.94	1.16
April	0.91	1.69	2.07
May	1.57	2.70	3.28
June	1.54	2.80	3.41
July	1.11	1.91	2.32
August	0.53	1.30	1.58
Sept.	0.43	0.99	1.22
Jun-MAM	7.03	12.42	15.14
Jul-JMA	8.67	15.49	18.86
Aug-JJM	7.98	14.03	17.06
Sep-AJJ	5.35	10.52	12.79
Oct-SAJ	3.46	7.48	9.14

Normals are for 1971-2000 data

March	0.94
April	1.69
May	2.70
June	2.80
July	1.91
August	1.30
Sept.	0.99

Note: Belle Fourche NWS Station (SD0559) was used for May 1985.

Rainfall Data
Oahe Dam
Station #SD6170
Stanley County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.60	0.07	0.45	3.40	0.90	1.06	0.79	2.09	11.17	9.95	8.38	5.39	DRY	NORM	NORM	NORM	NORM
1981	1.08	0.12	2.89	1.95	3.56	1.66	0.31	9.99	11.75	17.47	14.05	7.81	NORM	NORM	NORM	NORM	NORM
1982	1.25	0.49	5.65	2.61	4.32	1.58	0.83	19.18	19.62	23.83	15.99	9.97	WET	WET	WET	WET	NORM
1983	0.31	0.98	3.34	3.44	1.02	1.37	0.72	12.29	17.98	13.28	9.59	5.92	NORM	NORM	NORM	NORM	NORM
1984	0.90	2.50	3.33	6.93	2.56	0.98	0.64	15.89	29.95	24.87	14.99	6.44	WET	WET	WET	WET	NORM
1985	0.49	0.73	1.02	1.95	1.45	1.84	2.24	5.01	8.62	9.27	10.37	11.85	DRY	NORM	NORM	NORM	WET
1986	1.18	4.18	3.27	2.86	3.04	0.92	1.51	19.35	19.30	18.11	11.70	9.41	WET	WET	NORM	NORM	NORM
1987	1.52	0.00	3.13	1.18	1.39	2.59	0.46	10.91	9.80	9.66	11.73	7.95	NORM	NORM	NORM	NORM	NORM
1988	0.00	0.62	2.50	3.69	0.09	2.14	0.92	8.74	16.69	10.15	10.29	7.13	NORM	NORM	NORM	NORM	NORM
1989	0.98	1.35	0.98	0.37	2.32	1.36	3.64	6.62	4.42	8.68	9.09	15.96	NORM	DRY	NORM	NORM	WET
1990	0.63	2.37	0.40	0.98	1.71	0.46	0.65	6.57	6.11	7.49	5.78	4.58	NORM	DRY	DRY	DRY	NORM
1991	0.32	2.13	6.01	4.00	1.11	1.28	0.81	22.61	26.15	17.34	10.06	6.10	WET	WET	NORM	NORM	NORM
1992	0.46	0.19	0.72	3.78	6.31	1.48	0.69	3.00	12.97	27.21	20.84	11.34	DRY	NORM	WET	WET	WET
1993	1.43	1.80	1.91	3.03	5.48	0.53	1.51	10.76	14.71	24.41	15.58	11.07	NORM	NORM	WET	WET	WET
1994	0.03	0.91	1.25	2.26	2.90	1.32	0.60	5.60	10.19	14.47	12.02	7.34	DRY	NORM	NORM	NORM	NORM
1995	0.23	1.92	5.16	5.41	2.68	1.22	1.01	19.55	28.47	24.02	14.43	8.15	WET	WET	WET	WET	NORM
1996	0.61	0.55	5.11	0.83	1.72	1.54	4.07	17.04	13.26	11.93	8.89	17.01	WET	NORM	NORM	NORM	WET
1997	0.12	1.58	2.62	3.51	4.80	3.69	0.65	11.14	17.35	24.04	24.18	14.13	NORM	NORM	WET	WET	WET
1998	1.71	0.77	2.74	4.79	1.67	1.45	0.00	11.47	20.62	17.33	12.48	4.57	NORM	WET	NORM	NORM	NORM
1999	0.54	2.72	4.24	4.35	2.72	5.05	7.64	18.70	24.25	21.10	24.94	35.74	WET	WET	WET	WET	WET
2000	0.78	1.21	3.64	2.64	2.17	0.14	0.04	14.12	16.41	15.43	7.40	2.57	NORM	NORM	NORM	NORM	DRY
2001	0.04	1.49	2.59	2.23	4.99	0.00	1.56	10.79	13.36	22.02	12.21	9.67	NORM	NORM	WET	NORM	NORM
2002	0.52	0.70	1.02	2.54	2.20	2.57	1.26	4.98	10.36	12.70	14.65	11.12	DRY	NORM	NORM	WET	WET
2003	0.14	2.10	3.81	1.11	0.58	0.63	0.48	15.77	13.05	7.77	4.16	3.28	WET	NORM	DRY	DRY	DRY
2004	2.33	0.19	2.80	2.69	2.39	1.89	5.76	11.11	13.86	15.35	13.14	23.45	NORM	NORM	NORM	NORM	WET
2005	0.61	2.21	3.28	3.6	0.32	0.38	1.35	14.87	19.57	11.44	5.38	5.13	WET	WET	NORM	DRY	NORM
2006	1.20	0.43	0.85	1.00	1.24	3.26	2.85	4.61	5.13	6.57	13.26	16.31	DRY	DRY	DRY	NORM	WET
2007	1.08	2.85	4.47	4.70	0.31	3.36	1.49	20.19	25.89	14.80	15.40	11.50	WET	WET	NORM	WET	WET
2008	0.86	0.80	3.71	7.66	2.63	0.98	2.55	13.59	31.20	26.92	15.86	12.24	NORM	WET	WET	WET	WET
2009	0.98	1.08	0.63	1.94	2.07	3.72	0.23	5.03	8.16	10.72	17.24	10.20	DRY	DRY	NORM	WET	NORM
2010	1.44	2.16	3.72	4.37	2.94	2.32	3.22	16.92	22.71	21.28	17.21	17.24	WET	WET	WET	WET	WET
2011	0.81	2.26	3.24	3.83	3.41	1.93	1.05	15.05	20.23	21.13	16.44	10.42	WET	WET	WET	WET	NORM
2012	0.00	2.28	1.75	1.47	1.92	0.33	0.00	9.81	10.19	10.45	6.30	2.58	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.34	0.77	0.94
April	0.66	1.47	1.81
May	1.62	2.71	3.29
June	1.52	2.72	3.32
July	1.09	2.28	2.78
August	0.81	1.43	1.74
Sept.	0.40	1.16	1.42
Jun-MAM	6.52	11.84	14.43
Jul-JMA	8.46	15.05	18.35
Aug-JJM	7.93	14.99	18.27
Sep-AJJ	6.13	11.57	14.10
Oct-SAJ	3.91	8.62	10.52

Normals are for 1971-2000 data

March	0.77
April	1.47
May	2.71
June	2.72
July	2.28
August	1.43
Sept.	1.16

NOTE:
Pierre Regional AP NWS Station (SD6597) was used for March, May and Sept. 2004; May, June and Sept. 2005; March, May and September 2006; May, June, Aug. and Sept. 2007; March-June, Aug and Sept 2008; March and July 2009; May and July 2010; March-May and July-Sept. 2011; Aug 2012.

Rainfall Data
Oelrichs
Station #SD6212
Fall River County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.34	0.79	1.94	5.31	1.80	2.98	0.15	8.74	20.60	17.96	17.85	8.21	NORM	WET	NORM	WET	NORM
1981	0.43	0.90	3.72	1.20	3.06	0.63	0.54	13.39	11.94	15.30	9.21	5.94	NORM	NORM	NORM	NORM	NORM
1982	1.16	1.04	7.39	4.37	0.72	2.54	2.59	25.41	28.93	18.29	13.43	13.57	WET	WET	WET	NORM	WET
1983	1.54	0.97	3.08	2.91	2.39	2.27	0.30	12.72	15.86	16.07	14.50	7.83	NORM	NORM	NORM	NORM	NORM
1984	0.51	2.98	2.31	2.72	2.20	0.43	0.41	13.40	15.76	14.35	8.41	4.29	NORM	NORM	NORM	NORM	DRY
1985	1.00	1.22	1.09	1.31	1.58	0.64	2.47	6.71	7.33	8.45	6.39	10.27	DRY	DRY	DRY	DRY	NORM
1986	0.72	4.23	1.26	7.01	1.50	0.68	2.86	12.96	27.78	19.78	12.05	11.44	NORM	WET	WET	NORM	WET
1987	2.31	0.00	4.32	1.93	0.60	1.03	0.74	15.27	14.43	9.98	6.22	4.88	NORM	NORM	NORM	DRY	NORM
1988	0.20	0.57	4.23	2.32	2.91	1.03	1.38	14.03	15.99	17.60	11.23	9.11	NORM	NORM	NORM	NORM	NORM
1989	1.09	1.56	1.00	1.56	1.88	1.77	3.12	7.21	8.24	9.76	10.63	14.78	DRY	DRY	NORM	NORM	WET
1990	1.29	1.52	3.38	1.43	3.15	0.82	1.16	14.47	12.57	15.69	10.19	8.27	NORM	NORM	NORM	NORM	NORM
1991	0.52	2.34	8.52	4.25	0.80	2.13	0.69	30.76	32.13	19.42	12.24	7.13	WET	WET	WET	NORM	NORM
1992	1.98	0.57	3.25	2.85	3.56	1.44	0.23	12.87	15.62	19.63	14.29	7.13	NORM	NORM	WET	NORM	NORM
1993	0.92	1.58	1.93	5.98	3.44	1.29	1.57	9.87	23.38	24.21	16.73	10.73	NORM	WET	WET	WET	NORM
1994	0.33	0.57	1.03	2.20	1.74	1.69	0.44	4.56	9.23	10.65	10.75	6.44	DRY	DRY	NORM	NORM	NORM
1995	0.32	1.68	3.98	3.30	3.44	0.17	2.28	15.62	19.54	20.90	10.69	10.62	NORM	NORM	WET	NORM	NORM
1996	0.67	2.07	3.86	0.88	1.09	3.57	1.62	16.39	12.43	8.89	13.77	13.09	NORM	NORM	DRY	NORM	WET
1997	0.27	3.16	3.71	4.31	5.11	1.81	0.85	17.72	23.51	27.66	19.96	11.28	WET	WET	WET	WET	NORM
1998	1.66	0.11	2.47	3.10	3.30	3.03	2.37	9.29	14.35	18.57	18.79	16.47	NORM	NORM	WET	WET	WET
1999	0.45	3.70	3.10	6.23	1.04	2.17	1.71	17.15	28.59	18.68	14.82	10.51	NORM	WET	WET	WET	NORM
2000	2.25	4.64	2.42	1.02	1.01	0.39	1.19	18.79	12.54	7.49	4.21	5.36	WET	NORM	DRY	DRY	NORM
2001	1.41	1.80	1.31	3.66	1.23	0.85	0.42	8.94	15.40	12.32	8.67	4.19	NORM	NORM	NORM	NORM	DRY
2002	1.69	1.23	1.94	0.98	0.68	2.58	2.84	9.97	8.05	5.94	10.08	14.36	NORM	DRY	DRY	NORM	WET
2003	3.80	2.68	2.14	4.83	0.23	0.83	1.65	15.58	21.45	12.49	7.78	6.84	NORM	WET	NORM	NORM	NORM
2004	0.93	0.58	0.77	0.65	1.68	0.84	2.89	4.40	4.07	7.11	6.53	12.03	DRY	DRY	DRY	DRY	WET
2005	0.56	2.90	3.16	5.73	3.27	1.59	0.97	15.84	26.41	24.43	17.04	9.36	NORM	WET	WET	WET	NORM
2006	1.85	2.06	1.92	2.63	1.51	1.66	1.18	11.73	13.79	11.71	10.63	8.37	NORM	NORM	NORM	NORM	NORM
2007	0.98	1.49	2.22	1.01	0.61	2.21	1.92	10.62	8.96	6.07	8.86	10.79	NORM	DRY	DRY	NORM	NORM
2008	0.38	1.00	4.55	1.90	3.35	0.47	1.11	16.03	15.80	18.40	10.01	7.62	NORM	NORM	WET	NORM	NORM
2009	3.17	3.80	0.71	2.79	0.19	1.91	0.77	12.90	13.59	6.86	8.90	6.32	NORM	NORM	DRY	NORM	NORM
2010	0.46	4.20	4.66	3.91	1.49	0.87	1.02	22.84	25.25	16.95	9.50	6.29	WET	WET	NORM	NORM	NORM
2011	0.50	1.26	5.45	2.70	0.76	1.52	1.28	19.37	20.26	13.13	8.78	7.64	WET	WET	NORM	NORM	NORM
2012	0.12	1.76	2.66	4.80	0.61	0.19	0.18	11.62	21.48	14.09	6.59	1.53	NORM	WET	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.52	0.98	1.20
April	1.05	1.96	2.41
May	2.02	3.12	3.75
June	1.72	2.80	3.38
July	1.33	2.14	2.58
August	0.84	1.67	2.03
Sept.	0.59	1.30	1.58
Jun-MAM	8.68	14.26	17.27
Jul-JMA	10.25	16.60	20.05
Aug-JJM	9.45	15.14	18.25
Sep-AJJ	6.90	12.09	14.63
Oct-SAJ	4.78	9.38	11.38

Normals are for 1971-2000 data

March	0.98
April	1.96
May	3.12
June	2.80
July	2.14
August	1.67
Sept.	1.30

NOTE:

Ardmore 2N NWS Station (SD0236) was used for August 1985; Aug. 2007; May and Sept. 2008; and March, May, and June 2009.

Hot Springs NWS Station (SD4007) was used for April 2009.

Rainfall Data
Onaka 2 N
Station #SD6282
Faulk County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.33	0.91	0.27	2.42	2.72	1.98	1.22	2.96	8.71	13.27	13.80	10.34	DRY	DRY	NORM	NORM	NORM
1981	3.03	0.17	1.73	2.61	2.06	2.27	0.85	8.56	11.46	13.13	13.54	9.15	NORM	NORM	NORM	NORM	NORM
1982	0.91	1.71	4.14	1.37	1.09	0.42	1.38	16.75	14.10	10.15	4.81	6.07	WET	NORM	NORM	DRY	DRY
1983	1.26	1.06	3.56	2.40	4.59	4.45	1.41	14.06	15.38	22.13	24.93	17.72	NORM	NORM	WET	WET	WET
1984	1.88	2.54	1.62	9.23	2.54	0.42	1.54	11.82	33.47	27.70	18.93	8.00	NORM	WET	WET	WET	NORM
1985	0.83	0.67	0.86	1.38	1.73	4.18	3.71	4.75	6.53	8.81	15.97	21.22	DRY	DRY	DRY	NORM	WET
1986	0.76	5.59	2.95	2.42	4.82	2.92	1.94	20.79	18.75	22.25	17.88	16.48	WET	NORM	WET	NORM	WET
1987	2.09	0.00	1.50	0.77	4.57	0.97	0.40	6.59	5.31	16.75	11.11	7.71	NORM	DRY	NORM	NORM	NORM
1988	0.03	0.64	2.46	1.04	0.70	1.54	1.42	8.69	8.68	6.64	6.70	8.04	NORM	DRY	DRY	DRY	NORM
1989	1.70	4.05	0.68	2.49	1.24	2.91	2.74	11.84	12.88	9.38	13.19	15.28	NORM	NORM	DRY	NORM	NORM
1990	1.24	1.27	1.71	5.66	3.70	2.97	1.90	8.91	21.67	24.13	18.76	15.34	NORM	WET	WET	WET	NORM
1991	0.48	2.60	6.81	8.06	2.74	1.99	1.09	26.11	40.40	31.15	16.81	9.99	WET	WET	WET	NORM	NORM
1992	0.48	0.18	1.00	3.61	4.35	3.87	1.07	3.84	13.01	21.27	15.52	15.30	DRY	NORM	WET	NORM	NORM
1993	0.23	1.52	3.18	5.14	7.37	1.99	1.49	12.81	23.30	35.57	24.35	15.82	NORM	WET	WET	WET	WET
1994	0.20	1.68	0.51	1.21	6.01	1.11	2.47	5.09	6.33	20.96	20.64	15.64	DRY	DRY	WET	WET	WET
1995	1.33	2.75	4.97	3.46	1.95	1.74	0.36	21.74	23.07	17.74	8.44	6.51	WET	WET	NORM	DRY	NORM
1996	0.51	0.40	3.33	2.42	2.27	0.49	6.52	11.30	14.32	14.98	8.43	22.81	NORM	NORM	NORM	DRY	WET
1997	0.34	2.17	2.59	2.67	3.15	0.80	1.22	12.45	15.36	17.38	11.37	8.41	NORM	NORM	NORM	NORM	NORM
1998	1.10	0.80	2.49	2.33	2.00	4.68	0.00	10.17	12.77	13.15	20.37	11.36	NORM	NORM	NORM	WET	NORM
1999	0.79	2.40	4.55	3.53	1.33	3.07	8.36	19.24	22.09	15.60	15.40	32.55	WET	WET	NORM	NORM	WET
2000	1.74	1.82	2.86	3.30	2.19	5.31	0.88	13.96	17.44	16.03	23.61	15.45	NORM	NORM	NORM	WET	NORM
2001	0.13	3.70	1.55	2.80	4.87	0.94	1.62	12.18	15.20	21.76	15.36	11.61	NORM	NORM	WET	NORM	NORM
2002	0.75	0.83	0.71	0.92	2.73	4.86	2.19	4.54	5.01	10.74	20.96	19.02	DRY	DRY	NORM	WET	WET
2003	0.33	1.99	6.61	4.41	2.22	0.14	1.10	24.14	28.44	22.09	9.27	5.80	WET	WET	WET	NORM	DRY
2004	2.45	0.83	4.32	3.15	2.52	0.85	2.79	17.07	18.92	18.18	10.74	12.59	WET	NORM	NORM	NORM	NORM
2005	0.02	1.12	2.36	4.58	1.58	1.16	2.3	9.34	19.58	16.26	11.22	10.80	NORM	WET	NORM	NORM	NORM
2006	0.41	1.20	1.17	1.72	1.61	4.44	2.88	6.32	8.70	9.44	18.26	19.13	DRY	DRY	DRY	NORM	WET
2007	1.95	2.33	4.28	3.81	0.21	2.98	1.50	19.45	22.32	12.53	13.17	10.67	WET	WET	NORM	NORM	NORM
2008	1.46	0.94	1.30	6.31	4.84	1.42	3.27	7.24	22.47	28.44	20.25	17.49	NORM	WET	WET	WET	WET
2009	1.78	1.44	0.33	3.39	2.25	2.75	1.04	5.65	12.27	13.86	16.14	10.87	DRY	NORM	NORM	NORM	NORM
2010	1.30	1.52	3.18	2.27	0.80	0.12	4.92	13.88	14.69	10.12	4.23	15.80	NORM	NORM	NORM	DRY	WET
2011	1.22	1.84	2.74	6.79	2.42	3.67	0.84	13.12	27.69	23.58	22.64	12.28	NORM	WET	WET	WET	NORM
2012	0.00	2.83	2.16	2.00	1.47	1.11	0.00	12.14	13.15	10.57	8.27	3.69	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.46	1.04	1.27
April	0.87	1.65	2.04
May	1.42	2.57	3.14
June	1.83	3.03	3.68
July	1.50	2.66	3.24
August	1.33	2.31	2.80
Sept.	0.71	1.75	2.21
Jun-MAM	6.46	12.05	14.77
Jul-JMA	9.20	15.88	19.36
Aug-JJM	9.58	16.61	20.22
Sep-AJJ	8.82	15.28	18.56
Oct-SAJ	6.29	12.53	15.47

Normals are for 1971-2000 data

March	1.04
April	1.65
May	2.57
June	3.03
July	2.66
August	2.31
Sept.	1.75

NOTE:

Roscoe NWS Station (SD7277) was used for March 2008.

Seneca NWS Station (SD7551) was used for Sept. 2010.

Rainfall Data
Onida 4 NW
Station #SD6292
Sully County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.89	0.15	0.47	2.13	2.00	1.67	0.95	2.60	7.48	10.73	11.14	8.19	DRY	DRY	DRY	NORM	NORM
1981	2.13	0.31	3.77	2.24	7.40	2.19	0.84	14.06	14.57	30.45	23.61	14.30	NORM	NORM	WET	WET	WET
1982	2.52	1.32	5.51	2.50	1.69	1.65	0.97	21.69	19.84	15.58	10.83	7.90	WET	NORM	NORM	NORM	NORM
1983	1.89	1.01	3.75	3.79	5.74	1.40	1.09	15.16	19.88	28.55	19.47	11.81	NORM	NORM	WET	WET	NORM
1984	1.39	2.73	2.46	6.33	2.14	2.17	0.86	14.23	26.64	21.54	17.12	9.06	NORM	WET	WET	NORM	NORM
1985	2.20	1.10	1.09	1.39	2.11	2.78	1.98	7.67	7.45	10.20	13.95	13.61	DRY	DRY	DRY	NORM	NORM
1986	1.26	5.47	3.39	2.79	3.46	0.89	1.69	22.37	20.62	19.35	12.38	10.31	WET	WET	NORM	NORM	NORM
1987	2.32	0.26	3.69	2.31	0.88	2.59	0.64	13.91	14.57	10.95	11.84	7.98	NORM	NORM	NORM	NORM	NORM
1988	0.22	0.67	2.20	1.58	2.19	3.64	0.67	8.16	9.81	11.93	16.88	11.48	DRY	DRY	NORM	NORM	NORM
1989	1.58	2.77	1.05	1.10	3.11	1.34	3.96	10.27	8.17	12.58	11.34	17.67	NORM	DRY	NORM	NORM	WET
1990	1.89	2.61	2.21	3.03	2.33	2.65	1.03	13.74	16.12	15.26	15.64	10.72	NORM	NORM	NORM	NORM	NORM
1991	0.43	3.64	5.25	5.61	1.05	1.37	0.78	23.46	30.97	19.62	11.82	6.13	WET	WET	NORM	NORM	DRY
1992	0.82	0.54	1.48	4.24	4.44	1.84	0.92	6.34	16.22	23.28	18.64	10.88	DRY	NORM	WET	WET	NORM
1993	1.04	1.26	2.03	4.87	4.49	1.73	2.03	9.65	19.93	25.24	19.04	14.04	NORM	NORM	WET	WET	WET
1994	0.57	1.92	1.92	1.81	3.20	0.76	1.60	10.17	11.19	15.14	10.49	9.52	NORM	NORM	NORM	NORM	NORM
1995	1.66	4.81	4.25	3.86	2.63	1.79	1.31	24.03	24.89	19.86	14.49	10.14	WET	WET	NORM	NORM	NORM
1996	0.81	0.58	5.27	0.95	1.91	1.87	5.94	17.78	13.97	12.90	10.38	23.47	WET	NORM	NORM	NORM	WET
1997	0.45	2.33	3.25	5.68	3.80	2.54	1.82	14.86	25.87	26.01	20.90	14.34	NORM	WET	WET	WET	WET
1998	1.81	1.12	2.80	5.90	1.14	2.09	0.13	12.45	24.42	18.02	14.45	5.71	NORM	WET	NORM	NORM	DRY
1999	0.54	2.72	4.24	4.35	2.72	5.05	7.64	18.70	24.25	21.10	24.94	35.74	WET	WET	WET	WET	WET
2000	1.19	2.31	4.52	2.67	1.15	3.67	0.19	19.37	19.36	13.31	15.98	9.06	WET	NORM	NORM	NORM	NORM
2001	0.18	3.12	2.87	2.05	3.97	1.55	1.31	15.03	15.01	18.88	14.64	11.00	NORM	NORM	NORM	NORM	NORM
2002	0.74	0.75	0.84	2.24	2.02	4.14	1.80	4.76	9.15	11.38	18.70	15.70	DRY	DRY	NORM	WET	WET
2003	0.43	2.14	4.47	3.19	2.68	0.65	1.34	18.12	20.65	18.89	10.50	8.00	WET	WET	NORM	NORM	NORM
2004	2.62	0.45	3.70	3.22	2.71	3.50	3.37	14.62	17.51	18.27	19.14	19.82	NORM	NORM	NORM	WET	WET
2005	0.47	1.43	3.82	3.68	1.42	1.05	0.81	14.79	20.11	15.44	9.67	5.95	NORM	NORM	NORM	DRY	DRY
2006	1.11	1.70	0.61	1.35	0.29	5.91	2.26	6.34	6.97	4.18	19.66	18.89	DRY	DRY	DRY	WET	WET
2007	3.10	2.83	3.95	6.46	0.56	4.55	1.31	20.61	30.11	18.55	21.23	13.59	WET	WET	NORM	WET	NORM
2008	0.89	0.68	2.00	5.02	2.66	0.68	2.02	8.25	19.74	20.02	12.38	10.08	DRY	NORM	NORM	NORM	NORM
2009	1.05	1.28	0.89	2.16	3.03	3.35	0.08	6.28	9.54	14.30	18.27	9.97	DRY	DRY	NORM	WET	NORM
2010	1.60	2.18	4.10	3.87	1.97	0.75	3.77	18.26	21.99	17.75	10.06	14.78	WET	WET	NORM	NORM	WET
2011	1.11	1.60	3.22	6.06	3.54	1.81	0.96	13.97	26.22	25.96	18.57	10.04	NORM	WET	WET	WET	NORM
2012	0.08	2.98	2.41	3.40	1.59	0.80	0.02	13.27	18.00	13.98	8.98	3.25	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.79	1.38	1.7
April	1.00	1.93	2.35
May	1.88	2.85	3.42
June	2.00	3.11	3.74
July	1.68	2.69	3.24
August	1.48	2.14	2.55
Sept.	0.59	1.54	1.88
Jun-MAM	8.43	13.79	16.66
Jul-JMA	10.76	16.96	20.41
Aug-JJM	10.92	17.14	20.62
Sep-AJJ	9.80	14.91	17.87
Oct-SAJ	6.41	11.59	13.98

Normals are for 1971-2000 data

March	1.38
April	1.93
May	2.85
June	3.11
July	2.69
August	2.14
Sept.	1.54

NOTE:
Gettysburg NWS Station (SD3294) was used for Sept. 1995.

Rainfall Data
Orient
Station #SD6335
Faulk County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.24	1.34	1.60	2.27	2.89	4.45	0.57	7.72	11.35	14.81	21.40	13.50	NORM	NORM	NORM	WET	NORM
1981	2.40	1.57	1.08	2.08	2.36	1.81	0.28	8.78	9.97	12.32	12.23	6.82	NORM	NORM	NORM	NORM	NORM
1982	1.82	1.20	4.95	1.56	1.44	0.15	1.80	19.07	15.78	12.39	4.89	7.14	WET	NORM	NORM	DRY	NORM
1983	2.51	0.98	2.25	9.31	2.64	1.38	2.50	11.22	33.41	28.79	18.73	12.90	NORM	WET	WET	WET	NORM
1984	1.62	2.90	2.01	9.73	2.45	1.76	0.99	13.45	36.11	28.82	19.91	8.94	NORM	WET	WET	WET	NORM
1985	2.18	0.38	2.28	1.31	2.98	2.16	4.90	9.78	8.87	13.84	13.75	22.00	NORM	DRY	NORM	NORM	WET
1986	1.00	5.92	2.03	3.20	3.34	2.33	2.55	18.93	19.58	18.45	16.87	15.65	WET	NORM	NORM	NORM	WET
1987	2.67	0.35	2.27	0.87	3.38	1.22	1.12	10.18	7.50	14.15	11.29	9.18	NORM	DRY	NORM	NORM	NORM
1988	0.46	0.93	4.14	2.09	1.92	2.00	3.50	14.74	15.48	14.08	11.93	16.42	NORM	NORM	NORM	NORM	WET
1989	1.90	2.41	0.58	6.28	1.51	2.64	3.83	8.46	22.41	17.67	17.22	18.28	NORM	WET	NORM	NORM	WET
1990	1.21	2.60	1.61	4.45	2.98	2.77	1.19	11.24	19.17	19.45	18.72	12.09	NORM	NORM	NORM	WET	NORM
1991	0.65	3.97	7.47	3.06	1.43	1.79	1.80	31.00	28.09	17.88	11.29	10.41	WET	WET	NORM	NORM	NORM
1992	0.60	0.53	0.23	4.30	4.46	3.04	1.62	2.35	13.89	22.21	22.34	15.40	DRY	NORM	WET	WET	NORM
1993	0.80	2.63	3.03	4.50	7.45	1.87	1.89	15.15	22.19	34.38	25.01	16.86	NORM	WET	WET	WET	WET
1994	0.31	2.45	0.20	1.35	11.40	1.40	1.58	5.81	6.90	37.10	28.35	18.94	DRY	DRY	WET	WET	WET
1995	2.25	4.33	5.56	2.67	1.83	1.66	0.56	27.59	23.46	16.39	11.31	6.83	WET	WET	NORM	NORM	NORM
1996	0.61	0.13	5.17	0.58	2.65	0.54	7.71	16.38	12.21	14.28	7.50	26.86	NORM	NORM	NORM	DRY	WET
1997	0.84	1.92	2.91	2.78	4.72	0.56	0.88	13.41	16.08	22.63	13.90	8.48	NORM	NORM	WET	NORM	NORM
1998	1.97	1.12	2.93	5.31	1.61	4.01	0.00	13.00	22.91	18.38	20.56	9.63	NORM	WET	NORM	WET	NORM
1999	0.71	2.25	5.30	3.50	1.64	2.23	2.78	21.11	23.35	17.22	13.47	14.44	WET	WET	NORM	NORM	NORM
2000	1.00	2.54	2.81	2.41	2.40	5.29	0.00	14.51	15.39	14.83	23.08	12.98	NORM	NORM	NORM	WET	NORM
2001	0.30	4.61	2.75	2.44	2.42	1.27	1.60	17.77	17.43	14.89	11.09	9.76	WET	NORM	NORM	NORM	NORM
2002	0.78	1.29	1.36	1.45	3.14	4.77	0.63	7.44	8.36	13.68	22.04	14.57	NORM	DRY	NORM	WET	NORM
2003	0.35	2.14	3.45	5.78	1.35	0.69	0.65	14.98	26.38	19.06	10.55	4.68	NORM	WET	NORM	NORM	DRY
2004	1.99	0.63	3.91	3.71	2.61	2.06	3.84	14.98	19.58	19.16	15.11	18.25	NORM	NORM	NORM	NORM	WET
2005	0.19	1.83	2.25	7.63	1.35	1.29	2.92	10.60	29.22	21.56	14.20	12.69	NORM	WET	NORM	NORM	NORM
2006	0.58	1.23	0.61	0.75	1.18	4.14	2.79	4.87	4.70	5.65	15.53	17.83	DRY	DRY	DRY	NORM	WET
2007	1.61	3.17	3.65	3.24	0.39	4.42	1.82	18.90	20.19	11.30	17.28	14.69	WET	NORM	NORM	NORM	NORM
2008	2.22	1.00	3.74	5.02	4.73	1.45	2.72	15.44	23.54	27.97	18.83	15.79	NORM	WET	WET	WET	WET
2009	1.57	1.11	1.56	3.38	2.15	2.31	1.48	8.47	14.37	14.77	14.61	11.21	NORM	NORM	NORM	NORM	NORM
2010	1.51	2.49	6.51	3.01	5.59	0.65	6.78	26.02	24.54	29.30	16.14	27.23	WET	WET	WET	NORM	WET
2011	1.50	2.91	4.70	6.49	3.07	1.98	0.62	21.42	31.78	26.89	18.57	8.89	WET	WET	WET	WET	NORM
2012	0.34	4.18	2.93	1.94	1.43	1.12	0.00	17.49	15.86	11.10	8.16	3.67	WET	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.74	1.37	1.67
April	1.16	2.10	2.55
May	1.45	2.75	3.35
June	1.97	3.33	4.04
July	1.70	2.85	3.46
August	1.17	1.97	2.40
Sept.	0.82	1.88	2.39
Jun-MAM	7.41	13.82	16.82
Jul-JMA	9.97	17.59	21.37
Aug-JJM	10.49	17.96	21.81
Sep-AJJ	8.88	14.94	18.16
Oct-SAJ	6.50	12.43	15.43

Normals are for 1971-2000 data

March	1.37
April	2.10
May	2.75
June	3.33
July	2.85
August	1.97
Sept.	1.88

Note:
Faulkton 1 NW NWS Station (SD2927) was used for July - Sept. 1980.

Rainfall Data
Pactola Dam
Station #SD6427
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.00	1.96	1.94	3.19	1.40	2.03	0.58	10.74	15.41	12.52	12.08	7.20	NORM	NORM	DRY	NORM	NORM
1981	0.28	0.78	7.42	2.00	5.18	1.33	0.50	24.10	21.62	26.96	16.35	9.34	WET	NORM	WET	NORM	NORM
1982	1.42	0.86	6.25	4.56	4.07	3.09	2.75	21.89	27.04	27.58	21.97	18.50	WET	WET	WET	WET	WET
1983	1.83	0.93	2.62	4.73	2.10	2.63	0.54	11.55	20.36	18.38	16.82	8.98	NORM	NORM	NORM	NORM	NORM
1984	0.77	4.37	1.82	4.83	5.92	1.39	1.18	14.97	22.50	29.24	20.84	12.24	NORM	NORM	WET	WET	NORM
1985	0.96	1.27	1.46	1.39	2.05	1.77	1.58	7.88	8.36	10.39	10.80	10.33	DRY	DRY	DRY	DRY	NORM
1986	0.78	3.75	2.08	3.85	2.25	2.90	5.87	14.52	19.46	16.53	17.05	25.66	NORM	NORM	NORM	NORM	WET
1987	1.20	0.18	4.12	0.58	1.47	2.52	0.72	13.92	10.16	9.69	11.08	8.67	NORM	DRY	DRY	NORM	NORM
1988	1.44	0.62	2.74	2.87	0.73	2.32	0.22	10.90	14.71	10.67	11.29	6.03	NORM	NORM	DRY	NORM	DRY
1989	1.00	1.67	1.71	1.55	2.15	2.67	4.14	9.47	9.74	11.26	13.86	19.91	DRY	DRY	DRY	NORM	WET
1990	1.21	1.46	3.31	0.88	4.42	2.45	1.02	14.06	10.72	18.33	17.07	12.38	NORM	DRY	NORM	NORM	NORM
1991	0.51	3.99	8.28	5.80	3.77	1.66	0.71	33.33	37.95	31.19	18.32	9.22	WET	WET	WET	NORM	NORM
1992	2.23	2.21	2.41	3.12	4.17	1.19	0.51	13.88	16.39	21.16	15.03	8.08	NORM	NORM	NORM	NORM	NORM
1993	0.52	2.59	5.67	5.56	2.91	1.99	1.25	22.71	30.61	25.52	17.35	10.64	WET	WET	WET	NORM	NORM
1994	0.44	2.19	2.07	0.83	1.54	0.85	0.90	11.03	8.82	8.35	6.46	5.94	NORM	DRY	DRY	DRY	DRY
1995	0.57	1.96	6.97	4.95	4.47	1.07	1.44	25.40	30.75	30.28	17.10	10.93	WET	WET	WET	NORM	NORM
1996	1.46	1.90	7.97	1.73	2.23	3.50	2.23	29.17	23.03	18.12	16.69	15.92	WET	NORM	NORM	NORM	WET
1997	0.26	2.29	5.49	3.12	3.49	3.22	1.49	21.31	22.63	22.20	19.76	14.40	WET	NORM	NORM	NORM	WET
1998	1.99	0.86	2.28	6.25	2.30	3.89	4.39	10.55	24.17	21.68	22.52	23.25	DRY	NORM	NORM	WET	WET
1999	1.22	3.98	3.04	6.06	1.68	4.52	0.97	18.30	28.24	20.20	22.98	13.63	NORM	WET	NORM	WET	NORM
2000	1.05	4.38	3.75	3.11	2.85	0.89	0.62	21.06	21.21	18.52	11.48	6.49	WET	NORM	NORM	NORM	DRY
2001	0.69	2.39	2.11	3.34	4.93	4.93	0.78	11.80	16.63	23.58	27.99	17.13	NORM	NORM	NORM	WET	WET
2002	1.58	2.25	2.40	0.87	3.04	1.83	3.19	13.28	9.66	13.26	12.44	16.27	NORM	DRY	NORM	NORM	WET
2003	1.81	3.23	2.32	2.23	0.61	2.26	0.95	15.23	14.56	8.61	10.23	7.98	NORM	NORM	DRY	DRY	NORM
2004	0.64	1.65	2.89	1.47	2.31	1.30	1.94	12.61	11.84	12.76	9.99	10.73	NORM	DRY	DRY	DRY	NORM
2005	0.65	1.64	4.74	2.64	2.19	2.21	1.43	18.15	19.04	16.59	13.65	10.90	NORM	NORM	NORM	NORM	NORM
2006	2.21	2.10	2.95	1.80	1.12	3.11	2.63	15.26	13.40	9.91	13.37	15.23	NORM	NORM	DRY	NORM	WET
2007	1.92	1.69	3.49	1.80	0.96	3.07	0.80	15.77	14.07	9.97	12.93	9.50	NORM	NORM	DRY	NORM	NORM
2008	0.81	1.46	9.03	5.15	3.01	1.93	1.46	30.82	34.97	28.36	16.96	11.25	WET	WET	WET	NORM	NORM
2009	1.50	3.15	0.90	4.25	3.59	2.24	2.40	10.50	17.70	20.17	18.15	15.27	DRY	NORM	NORM	NORM	WET
2010	0.33	4.08	5.33	4.51	1.35	2.54	1.35	24.48	28.27	18.40	14.83	10.48	WET	WET	NORM	NORM	NORM
2011	0.93	1.95	7.61	3.28	2.63	2.53	0.59	27.66	27.01	22.06	16.13	9.46	WET	WET	NORM	NORM	NORM
2012	0.14	1.83	2.02	2.11	3.43	0.02	0.06	9.86	12.20	16.53	9.03	3.65	DRY	DRY	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.58	1.03	1.26
April	1.31	2.36	2.88
May	2.46	3.70	4.43
June	2.13	3.81	4.64
July	2.15	3.18	3.81
August	1.51	2.14	2.53
Sept.	0.62	1.50	1.82
Jun-MAM	10.58	16.85	20.31
Jul-JMA	12.62	21.19	25.66
Aug-JJM	13.17	20.86	25.14
Sep-AJJ	10.96	16.59	19.85
Oct-SAJ	7.03	11.96	14.33

Normals are for 1971-2000 data

March	1.03
April	2.36
May	3.70
June	3.81
July	3.18
August	2.14
Sept.	1.50

Rainfall Data
Philip 1 S / Philip Airport
Station #SD6552
Haakon County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.32	1.25	0.49	2.90	2.00	1.68	0.60	4.29	10.93	12.29	11.94	7.16	DRY	NORM	NORM	NORM	NORM
1981	0.14	0.17	2.50	4.56	4.49	2.98	0.12	7.98	18.85	25.09	22.48	10.81	DRY	NORM	WET	WET	NORM
1982	1.83	0.55	8.83	3.60	3.12	1.55	0.97	29.42	29.01	25.39	14.49	9.13	WET	WET	WET	NORM	NORM
1983	1.05	1.63	4.42	2.56	1.45	0.68	0.15	17.57	18.15	13.89	7.50	3.26	WET	NORM	NORM	DRY	DRY
1984	0.90	2.64	2.51	3.92	1.96	1.09	0.86	13.71	19.42	16.23	11.11	6.72	NORM	NORM	NORM	NORM	NORM
1985	1.22	0.79	0.72	1.95	1.89	1.58	1.43	4.96	8.08	10.29	10.47	9.34	DRY	DRY	NORM	NORM	NORM
1986	1.75	6.44	2.26	4.55	1.17	2.17	3.37	21.41	24.61	14.87	13.40	15.62	WET	WET	NORM	NORM	WET
1987	3.07	0.28	2.64	0.66	1.66	2.54	0.42	11.55	7.54	8.94	11.60	8.00	NORM	DRY	DRY	NORM	NORM
1988	2.19	0.64	2.67	6.26	0.46	0.87	1.44	11.48	24.76	16.57	9.79	6.52	NORM	WET	NORM	NORM	NORM
1989	2.08	2.10	1.17	0.90	1.41	1.05	4.14	9.79	7.14	7.20	6.87	15.93	NORM	DRY	DRY	DRY	WET
1990	1.32	0.59	2.31	2.43	2.46	1.23	1.09	9.43	12.50	14.55	11.04	8.19	NORM	NORM	NORM	NORM	NORM
1991	0.52	1.83	5.01	6.18	0.27	1.71	0.52	19.21	30.39	18.18	11.85	5.25	WET	WET	NORM	NORM	NORM
1992	1.34	0.77	0.90	3.64	4.21	2.25	0.25	5.58	13.49	20.81	18.81	9.46	DRY	NORM	WET	WET	NORM
1993	0.36	2.25	4.07	4.29	4.29	1.33	1.91	17.07	23.26	25.52	16.86	12.68	NORM	WET	WET	WET	WET
1994	0.20	1.60	0.95	2.44	1.92	3.01	0.87	6.25	10.82	11.59	15.31	10.55	DRY	NORM	NORM	WET	NORM
1995	1.46	2.34	5.58	2.69	1.17	0.11	0.83	22.88	21.57	14.47	5.36	3.88	WET	WET	NORM	DRY	DRY
1996	0.66	0.74	6.43	1.15	1.98	0.58	3.83	21.43	17.05	14.67	6.85	14.63	WET	NORM	NORM	DRY	WET
1997	0.50	2.70	3.34	6.32	6.44	1.71	0.73	15.92	28.34	35.30	24.33	12.05	NORM	WET	WET	WET	WET
1998	2.62	0.54	2.64	4.42	4.70	1.81	0.73	11.62	19.08	25.58	19.25	10.51	NORM	NORM	WET	WET	NORM
1999	1.12	2.76	2.57	3.71	3.19	1.89	2.14	14.35	19.03	19.56	15.76	13.39	NORM	NORM	WET	WET	WET
2000	1.38	3.59	1.01	2.10	1.61	0.28	0.20	11.59	11.91	10.04	6.16	2.77	NORM	NORM	NORM	DRY	DRY
2001	0.23	1.76	2.01	2.17	1.03	0.89	0.29	9.78	12.29	9.44	6.90	3.68	NORM	NORM	DRY	DRY	DRY
2002	0.26	1.2	1.24	0.19	0.78	1.48	2.67	6.38	4.25	3.96	6.19	11.75	DRY	DRY	DRY	DRY	WET
2003	0.84	2.66	2.21	1.75	0.72	0.49	1.21	12.79	12.33	7.87	4.66	5.33	NORM	NORM	DRY	DRY	NORM
2004	0.49	0.33	3.12	1.97	2.15	0.89	4.47	10.51	12.48	13.51	8.94	17.34	NORM	NORM	NORM	NORM	WET
2005	0.77	2.75	4.54	2.82	0.69	0.7	0.29	19.89	20.29	12.25	6.30	2.96	WET	WET	NORM	DRY	DRY
2006	1.39	1.33	0.39	1.25	0.82	1.23	2.30	5.22	5.86	5.35	6.58	10.18	DRY	DRY	DRY	DRY	NORM
2007	2.34	1.35	2.51	2.00	0.11	2.73	0.81	12.57	12.37	6.84	10.41	8.00	NORM	NORM	DRY	NORM	NORM
2008	0.57	1.02	6.02	6.07	2.01	0.38	1.16	20.67	31.27	24.19	11.23	6.25	WET	WET	WET	NORM	NORM
2009	1.00	1.48	0.38	1.77	2.45	2.02	0.40	5.10	7.55	11.27	12.73	7.69	DRY	DRY	NORM	NORM	NORM
2010	1.02	2.67	2.38	3.15	2.86	0.41	0.90	13.50	16.88	17.26	10.10	6.38	NORM	NORM	NORM	NORM	NORM
2011	0.36	1.57	4.59	4.57	1.50	1.09	0.74	17.27	24.46	18.23	10.84	5.90	WET	WET	NORM	NORM	NORM
2012	0.03	1.89	1.23	1.26	0.46	0.40	0.22	7.50	8.13	5.13	3.38	1.92	DRY	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.54	1.15	1.4
April	1.03	1.79	2.17
May	2.02	3.14	3.78
June	1.86	2.85	3.43
July	1.28	2.26	2.75
August	1.20	1.68	1.99
Sept.	0.43	1.16	1.41
Jun-MAM	8.66	14.15	17.08
Jul-JMA	10.65	16.62	20.02
Aug-JJM	9.58	15.62	18.89
Sep-AJJ	8.02	12.41	14.90
Oct-SAJ	4.97	9.10	10.96

Normals are for 1971-2000 data

March	1.15
April	1.79
May	3.14
June	2.85
July	2.26
August	1.68
Sept.	1.16

NOTE:
Cottonwood 2E NWS Station (SD1972) was used for June-Sept. 1980; March-Sept. 1981; March, April, July, and August 1982; March-Sept. 1985; Sept. 1995; June and July 1996; March-July 1997; and March-Sept. 2000.

Rainfall Data
Pickstown
Station #SD6574
Charles Mix County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.82	0.39	2.08	2.15	2.74	3.94	1.26	7.84	11.00	14.60	19.45	14.40	DRY	DRY	NORM	NORM	NORM
1981	1.84	0.71	2.78	3.77	3.79	0.62	2.09	11.60	17.58	21.69	13.21	11.30	NORM	NORM	NORM	NORM	NORM
1982	0.75	0.97	8.63	1.68	1.82	1.00	1.30	28.58	23.27	17.45	8.32	7.72	WET	NORM	NORM	DRY	DRY
1983	3.19	1.95	3.31	6.07	2.87	0.17	0.78	17.02	26.78	24.06	12.32	5.55	NORM	WET	WET	NORM	DRY
1984	1.80	6.99	3.42	8.70	3.59	2.44	0.91	26.04	39.93	31.59	23.20	11.20	WET	WET	WET	WET	NORM
1985	1.29	2.93	1.34	1.99	2.02	5.81	2.85	11.17	11.58	11.38	23.46	22.19	NORM	DRY	DRY	WET	WET
1986	2.24	5.99	3.41	6.66	2.37	1.86	6.97	24.45	32.79	23.84	16.98	27.00	WET	WET	WET	NORM	WET
1987	7.70	0.87	1.25	1.26	4.26	2.16	4.13	13.19	7.15	16.55	16.26	20.97	NORM	DRY	NORM	NORM	WET
1988	0.69	3.48	4.48	2.36	1.96	3.04	4.19	21.09	19.52	15.08	15.40	20.61	NORM	NORM	NORM	NORM	WET
1989	0.78	0.54	0.77	3.07	3.07	1.88	1.89	4.17	11.29	16.12	14.85	12.50	DRY	DRY	NORM	NORM	NORM
1990	1.39	1.53	5.64	1.89	1.48	2.90	0.43	21.37	18.48	13.86	13.55	8.57	NORM	NORM	NORM	NORM	NORM
1991	0.69	2.41	4.49	1.59	1.30	1.23	1.06	18.98	16.16	11.57	7.88	6.94	NORM	NORM	DRY	DRY	DRY
1992	2.92	1.98	1.38	3.21	4.81	4.63	0.69	11.02	14.37	22.23	26.72	16.14	NORM	NORM	NORM	WET	NORM
1993	0.36	4.69	6.03	3.93	6.88	3.23	3.18	27.83	28.54	34.53	27.38	22.88	WET	WET	WET	WET	WET
1994	0.07	3.03	2.36	5.36	3.57	0.96	7.38	13.21	23.83	23.79	15.38	27.63	NORM	NORM	WET	NORM	WET
1995	2.84	5.25	7.65	0.37	1.63	3.65	3.73	36.29	21.66	13.28	14.58	20.12	WET	NORM	NORM	NORM	WET
1996	0.37	1.23	9.48	3.03	1.29	5.19	6.32	31.27	29.28	19.41	21.18	30.63	WET	WET	NORM	WET	WET
1997	0.23	3.24	3.48	2.15	2.83	4.87	2.61	17.15	16.65	16.27	22.42	20.40	NORM	NORM	NORM	WET	WET
1998	1.78	5.85	2.00	5.97	2.42	1.98	0.69	19.48	27.76	21.20	16.75	8.45	NORM	WET	NORM	NORM	NORM
1999	0.75	4.97	4.61	4.26	4.35	0.72	2.00	24.52	26.97	26.18	15.12	11.79	WET	WET	WET	NORM	NORM
2000	0.98	1.51	4.11	1.29	0.96	1.67	0.46	16.33	13.60	9.57	8.22	5.68	NORM	NORM	DRY	DRY	DRY
2001	1.08	8.22	2.75	3.00	2.50	0.22	3.20	25.77	22.72	16.25	8.66	12.54	WET	NORM	NORM	DRY	NORM
2002	0.83	2.03	1.31	0.72	0.00	4.67	1.88	8.82	6.81	2.75	14.73	14.98	DRY	DRY	DRY	NORM	NORM
2003	0.39	3.19	2.73	2.70	2.39	0.22	2.19	14.96	16.75	15.30	8.14	9.40	NORM	NORM	NORM	DRY	NORM
2004	1.49	1.10	5.11	2.76	2.37	0.91	4.37	19.02	19.60	17.74	10.23	17.30	NORM	NORM	NORM	NORM	NORM
2005	1.26	3.58	3.47	6.09	0.37	1.38	3.93	18.83	28.79	16.76	10.97	14.92	NORM	WET	NORM	NORM	NORM
2006	2.05	3.72	0.48	3.32	0.10	4.13	5.34	10.93	14.64	7.42	15.91	24.38	NORM	NORM	DRY	NORM	WET
2007	2.10	3.27	4.72	3.60	0.54	4.87	1.38	22.80	23.51	13.54	19.29	14.42	WET	NORM	NORM	NORM	NORM
2008	0.84	3.98	4.00	4.19	1.71	2.24	1.69	20.80	24.55	17.51	14.33	11.26	NORM	NORM	NORM	NORM	NORM
2009	1.66	2.04	2.67	3.96	3.35	2.71	0.16	13.75	19.26	20.64	18.79	9.25	NORM	NORM	NORM	NORM	NORM
2010	0.89	2.08	2.99	9.82	3.44	5.16	3.06	14.02	37.52	32.95	32.18	22.94	NORM	WET	WET	WET	WET
2011	1.31	2.54	4.00	3.89	2.03	2.31	0.24	18.39	22.21	17.87	14.88	7.37	NORM	NORM	NORM	NORM	DRY
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45	15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.7	1.61	1.96
April	1.54	2.77	3.38
May	2.35	3.70	4.46
June	2.14	3.48	4.22
July	1.81	2.82	3.40
August	1.40	2.47	3.00
Sept.	1.14	2.28	2.78
Jun-MAM	10.83	18.25	22.10
Jul-JMA	12.66	20.61	24.96
Aug-JJM	12.06	19.12	23.10
Sep-AJJ	9.96	16.53	20.02
Oct-SAJ	8.03	14.60	17.74

Normals are for 1971-2000 data

March	1.61
April	2.77
May	3.70
June	3.48
July	2.82
August	2.47
Sept.	2.28

Rainfall Data
Pierre Regional AP
Station #SD6597
Hughes County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.55	0.75	1.44	2.86	1.23	2.91	0.08	6.37	12.21	10.85	14.05	7.29	DRY	NORM	NORM	NORM	NORM
1981	2.76	0.35	4.00	3.07	5.02	2.15	0.28	15.46	17.56	25.20	19.56	10.16	NORM	NORM	WET	WET	NORM
1982	2.50	0.83	7.24	4.44	5.18	1.29	1.08	25.88	28.63	31.66	18.67	11.00	WET	WET	WET	WET	NORM
1983	1.45	1.03	2.98	6.23	0.31	1.08	1.34	12.45	25.68	16.37	10.09	6.49	NORM	WET	NORM	NORM	NORM
1984	0.86	3.11	3.25	5.56	5.19	1.36	1.17	16.83	26.29	29.94	20.02	11.42	NORM	WET	WET	WET	NORM
1985	1.74	0.74	1.41	2.53	2.78	2.25	2.57	7.45	11.15	14.81	14.84	14.99	DRY	NORM	NORM	NORM	WET
1986	1.36	6.38	3.35	3.19	2.75	1.44	2.12	24.17	22.65	17.98	13.01	11.99	WET	NORM	NORM	NORM	NORM
1987	2.30	0.18	4.34	1.19	1.56	2.71	0.66	15.68	12.43	11.40	12.44	8.96	NORM	NORM	NORM	NORM	NORM
1988	0.05	1.26	2.76	3.63	0.66	1.65	1.43	10.85	17.67	12.00	9.90	8.25	NORM	NORM	NORM	NORM	NORM
1989	1.56	1.75	1.24	0.50	1.84	1.72	4.57	8.78	5.73	7.76	9.34	18.99	NORM	DRY	DRY	NORM	WET
1990	1.37	2.87	1.72	3.20	3.77	1.40	0.97	12.27	15.91	19.43	14.94	9.48	NORM	NORM	NORM	NORM	NORM
1991	0.45	2.67	5.10	6.30	1.23	0.53	1.22	21.09	31.77	21.39	10.35	5.95	WET	WET	NORM	NORM	NORM
1992	0.62	0.47	0.54	4.71	5.22	1.72	0.93	3.18	15.68	25.62	20.31	11.45	DRY	NORM	WET	WET	NORM
1993	1.43	2.49	2.00	2.99	4.99	0.52	1.63	12.41	15.46	22.95	14.53	10.92	NORM	NORM	WET	NORM	NORM
1994	0.09	1.29	2.21	2.71	4.28	2.29	1.22	9.30	13.84	20.47	18.14	12.52	NORM	NORM	NORM	WET	NORM
1995	1.30	3.32	4.50	5.87	1.84	4.57	0.65	21.44	29.93	21.76	23.26	12.93	WET	WET	NORM	WET	NORM
1996	0.37	0.47	5.65	0.59	1.60	1.04	6.95	18.26	13.54	11.63	6.91	24.53	WET	NORM	NORM	DRY	WET
1997	0.70	3.63	5.28	5.35	6.43	3.33	0.75	23.80	30.24	35.27	28.20	15.34	WET	WET	WET	WET	WET
1998	2.49	1.12	2.78	4.47	1.89	1.51	0.02	13.07	20.09	17.39	12.78	4.97	NORM	NORM	NORM	NORM	DRY
1999	0.44	3.32	4.67	4.12	1.02	3.58	4.50	21.09	25.02	15.97	16.90	21.68	WET	WET	NORM	NORM	WET
2000	0.82	1.22	2.90	2.64	1.60	0.35	0.07	11.96	14.94	12.98	6.89	2.51	NORM	NORM	NORM	DRY	DRY
2001	0.24	2.52	2.51	2.53	4.00	0.04	2.02	12.81	15.13	19.57	10.65	10.14	NORM	NORM	NORM	NORM	NORM
2002	0.23	0.71	0.65	3.80	2.56	3.34	2.16	3.60	13.41	15.93	18.94	15.72	DRY	NORM	NORM	WET	WET
2003	0.51	2.46	3.78	1.58	1.39	0.18	1.22	16.77	14.76	11.11	4.90	5.41	NORM	NORM	NORM	DRY	NORM
2004	2.33	0.31	2.80	2.35	2.01	1.89	4.74	11.35	12.96	13.53	12.04	20.01	NORM	NORM	NORM	NORM	WET
2005	0.61	2.19	3.28	3.6	0.39	0.39	1.35	14.83	19.55	11.65	5.55	5.22	NORM	NORM	NORM	DRY	NORM
2006	1.20	0.71	0.85	0.91	1.05	2.77	2.85	5.17	5.14	5.82	11.32	15.14	DRY	DRY	DRY	NORM	WET
2007	3.15	1.45	4.47	4.70	0.26	3.36	1.49	19.46	24.49	14.65	15.30	11.45	WET	WET	NORM	NORM	NORM
2008	0.86	0.80	3.71	7.66	2.49	0.98	2.55	13.59	31.20	26.50	15.58	12.10	NORM	WET	WET	NORM	NORM
2009	0.98	1.96	0.80	2.23	2.07	3.78	0.69	7.30	10.25	11.47	17.71	11.70	DRY	DRY	NORM	WET	NORM
2010	1.42	2.54	3.72	4.33	2.94	0.83	2.89	17.66	22.97	21.20	12.70	13.27	NORM	WET	NORM	NORM	NORM
2011	0.81	2.26	3.24	8.30	3.41	1.93	1.05	15.05	33.64	30.07	20.91	10.42	NORM	WET	WET	WET	NORM
2012	0.09	3.15	2.04	2.03	0.68	0.33	0.00	12.51	13.32	8.14	4.38	1.34	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.53	1.19	1.45
April	1.03	2.02	2.47
May	1.99	3.14	3.79
June	1.99	3.49	4.24
July	1.45	2.75	3.35
August	1.15	1.86	2.25
Sept.	0.41	1.55	1.81
Jun-MAM	8.56	14.65	17.76
Jul-JMA	10.98	18.77	22.77
Aug-JJM	10.32	18.37	22.32
Sep-AJJ	8.34	14.57	17.69
Oct-SAJ	4.98	11.12	13.28

Normals are for 1971-2000 data

March	1.19
April	2.02
May	3.14
June	3.49
July	2.75
August	1.86
Sept.	1.55

Rainfall Data
Plainview 6 SSW
Station #SD6636
Meade County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.73	1.15	1.15	2.20	0.75	1.12	0.82	6.48	10.05	7.80	7.06	5.45	DRY	DRY	DRY	NORM	NORM
1981	0.11	0.07	1.86	1.91	3.62	1.70	0.66	5.83	9.52	16.54	14.25	9.00	DRY	DRY	NORM	NORM	NORM
1982	2.42	0.45	11.31	2.58	2.63	3.52	1.39	37.25	30.81	24.36	18.40	13.84	WET	WET	WET	WET	WET
1983	1.19	0.68	2.95	1.56	1.82	1.55	1.21	11.40	11.26	11.53	9.85	8.55	NORM	NORM	NORM	NORM	NORM
1984	0.84	2.67	1.76	6.25	1.34	2.52	0.92	11.46	24.94	18.28	16.49	9.14	NORM	WET	NORM	WET	NORM
1985	1.05	0.95	1.12	2.94	1.73	0.73	0.89	6.31	12.01	12.19	8.59	5.86	DRY	NORM	NORM	NORM	NORM
1986	0.73	4.51	2.30	3.69	2.33	2.17	1.53	16.65	20.18	16.67	14.86	11.26	WET	WET	NORM	WET	WET
1987	2.43	0.00	4.87	1.39	1.99	0.60	0.33	17.04	13.91	13.62	7.17	4.18	WET	NORM	NORM	NORM	NORM
1988	0.84	0.36	2.10	6.18	0.16	0.49	0.58	7.86	23.10	14.94	7.97	2.88	NORM	WET	NORM	NORM	DRY
1989	1.41	2.27	1.46	1.66	1.65	1.56	1.87	10.33	10.17	9.73	9.64	10.38	NORM	DRY	DRY	NORM	WET
1990	0.72	1.01	2.73	2.63	0.34	0.32	0.67	10.93	14.36	9.01	4.27	2.99	NORM	NORM	DRY	DRY	DRY
1991	0.70	2.23	4.16	3.13	0.73	1.00	0.63	17.64	19.94	12.61	7.59	4.62	WET	NORM	NORM	NORM	NORM
1992	0.81	0.29	1.42	5.27	2.60	1.05	0.76	5.65	18.94	19.76	13.62	6.98	DRY	NORM	WET	NORM	NORM
1993	1.10	1.71	3.55	5.21	7.09	0.98	1.34	15.17	24.44	35.24	22.33	13.07	WET	WET	WET	WET	WET
1994	0.09	1.34	0.52	3.79	2.70	0.75	0.23	4.33	13.75	16.20	11.44	4.89	DRY	NORM	NORM	NORM	NORM
1995	0.62	1.90	7.56	3.41	0.84	0.63	0.30	27.10	27.25	16.90	6.98	3.00	WET	WET	NORM	NORM	DRY
1996	0.46	0.93	5.15	0.59	1.97	2.07	2.94	17.77	13.00	12.24	10.74	14.93	WET	NORM	NORM	NORM	WET
1997	0.14	1.92	3.39	1.56	3.79	2.03	0.39	14.15	13.38	17.88	15.23	9.02	NORM	NORM	NORM	WET	NORM
1998	1.56	0.34	2.12	5.11	1.87	6.82	0.16	8.60	19.91	17.95	29.31	15.99	NORM	NORM	NORM	WET	WET
1999	0.38	2.74	1.88	3.48	2.02	2.30	0.96	11.50	16.94	14.90	14.42	9.50	NORM	NORM	NORM	NORM	WET
2000	2.62	4.49	1.87	2.70	2.81	0.05	0.34	17.21	16.33	15.70	8.47	3.93	WET	NORM	NORM	NORM	NORM
2001	0.10	1.66	2.29	1.27	3.79	0.54	0.59	10.29	10.05	16.20	10.47	6.64	NORM	DRY	NORM	NORM	NORM
2002	0.77	1.07	1.43	0.41	0.94	0.55	1.57	7.20	5.16	5.07	3.94	6.75	DRY	DRY	DRY	DRY	NORM
2003	1.47	1.76	0.91	3.18	1.26	0.54	2.35	7.72	13.12	11.05	7.32	9.39	NORM	NORM	NORM	NORM	WET
2004	1.15	0.24	3.05	1.42	1.61	0.95	3.25	10.78	10.60	10.72	7.49	13.26	NORM	DRY	NORM	NORM	WET
2005	0.72	3.11	4.86	3.40	2.31	1.55	0.30	21.52	23.03	18.59	12.67	6.31	WET	WET	NORM	NORM	NORM
2006	0.76	1.32	0.85	0.33	0.23	1.58	2.41	5.95	4.01	2.20	5.53	10.62	DRY	DRY	DRY	DRY	WET
2007	1.15	1.27	2.98	3.48	0.16	1.98	0.27	12.63	17.67	10.42	9.74	4.93	NORM	NORM	NORM	NORM	NORM
2008	0.89	1.81	7.72	5.98	2.28	1.02	0.65	27.67	35.19	26.52	13.60	6.27	WET	WET	WET	NORM	NORM
2009	2.62	2.26	1.55	3.30	3.21	2.66	0.85	11.79	15.26	17.78	17.70	11.08	NORM	NORM	NORM	WET	WET
2010	0.50	2.29	3.81	2.98	2.25	0.98	2.57	16.51	18.85	16.52	10.42	11.92	WET	NORM	NORM	NORM	WET
2011	1.25	2.21	2.10	3.03	2.37	2.91	1.02	11.97	15.50	15.27	16.50	11.25	NORM	NORM	NORM	WET	WET
2012	0.07	2.22	1.46	2.15	0.82	0.33	0.06	8.89	11.59	8.22	4.78	1.66	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.54	1.05	1.28
April	0.86	1.68	2.07
May	1.75	2.68	3.22
June	2.14	3.23	3.88
July	1.24	2.20	2.68
August	0.71	1.42	1.74
Sept.	0.36	0.87	1.06
Jun-MAM	7.51	12.45	15.08
Jul-JMA	10.78	16.73	20.15
Aug-JJM	9.75	15.74	19.02
Sep-AJJ	6.75	11.89	14.46
Oct-SAJ	3.74	7.65	9.34

Normals are for 1971-2000 data

March	1.05
April	1.68
May	2.68
June	3.23
July	2.20
August	1.42
Sept.	0.87

NOTE:
Elm Springs 3 ESE NWS Station (SD2647) was used for March-Sept. 1980; March-July 1981; May-Aug. 1982; May 1984; July 1992; June 1986; Aug. 1986; July 2000; April 2004; June-July 2004; May 2005; Aug. 2005; April-Sept. 2007; Sept. 2008; and May 2009; July-Sept. 2011; March, May and July 2012.

Rainfall Data
Platte
Station #SD6669
Charles Mix County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.22	1.09	2.11	2.49	2.12	4.85	0.31	9.73	12.78	13.45	21.28	12.75	DRY	DRY	DRY	WET	NORM
1981	2.06	1.01	2.96	3.09	3.94	1.38	0.69	12.96	16.20	20.96	15.11	8.77	NORM	NORM	NORM	NORM	NORM
1982	1.04	1.51	8.79	3.51	4.21	1.66	2.60	30.43	29.62	28.44	16.91	15.33	WET	WET	WET	NORM	NORM
1983	2.82	1.85	3.17	3.94	4.39	0.63	0.78	16.03	20.01	24.22	14.61	7.99	NORM	NORM	WET	NORM	DRY
1984	1.74	4.80	2.89	3.39	2.27	3.74	1.05	20.01	20.75	16.48	19.15	12.90	NORM	NORM	NORM	NORM	NORM
1985	1.84	3.24	3.70	1.81	2.65	5.60	3.34	19.42	16.07	15.27	23.91	23.87	NORM	NORM	NORM	WET	WET
1986	2.17	4.87	5.15	4.56	2.37	0.49	4.26	27.36	28.85	21.38	10.77	16.13	WET	WET	NORM	DRY	NORM
1987	6.39	0.78	1.52	0.89	2.35	2.72	3.34	12.51	6.49	10.35	13.75	17.81	NORM	DRY	DRY	NORM	NORM
1988	0.75	3.22	4.81	1.63	1.59	4.45	4.67	21.62	17.73	12.84	18.16	24.50	NORM	NORM	DRY	NORM	WET
1989	1.08	0.96	1.80	2.14	3.90	0.86	1.42	8.40	10.98	17.78	12.52	9.88	DRY	DRY	NORM	NORM	NORM
1990	1.33	1.67	8.34	2.65	1.63	2.41	0.27	29.69	26.30	18.53	13.14	7.26	WET	WET	NORM	NORM	DRY
1991	1.73	2.94	5.15	2.70	2.63	0.68	1.35	23.06	21.34	18.44	10.00	8.04	WET	NORM	NORM	DRY	DRY
1992	2.01	1.46	0.44	2.48	7.38	4.99	2.58	6.25	9.78	27.54	32.21	25.10	DRY	DRY	WET	WET	WET
1993	1.08	3.55	3.50	8.56	4.48	2.19	2.47	18.68	36.23	34.06	24.09	16.27	NORM	WET	WET	WET	NORM
1994	0.15	3.52	0.75	3.11	4.89	1.56	2.32	9.44	14.35	21.64	17.57	14.97	DRY	NORM	NORM	NORM	NORM
1995	2.59	6.53	6.92	1.61	3.08	5.50	6.99	36.41	25.20	19.38	24.27	35.05	WET	WET	NORM	WET	WET
1996	0.79	1.08	6.25	2.46	2.09	2.32	7.75	21.70	20.96	17.44	13.60	29.98	NORM	NORM	NORM	NORM	WET
1997	0.13	2.90	3.21	5.34	3.88	1.73	2.70	15.56	25.34	25.53	18.29	15.44	NORM	WET	WET	NORM	NORM
1998	1.75	2.45	2.60	5.14	2.62	3.97	0.93	14.45	23.07	20.74	22.29	13.35	NORM	NORM	NORM	WET	NORM
1999	0.83	4.66	4.61	5.02	5.01	1.56	1.97	23.98	28.94	29.68	19.72	14.04	WET	WET	WET	NORM	NORM
2000	0.43	1.51	4.09	2.60	2.41	2.74	0.28	15.72	17.49	16.52	15.64	8.73	NORM	NORM	NORM	NORM	NORM
2001	0.33	6.63	3.01	2.08	4.34	0.22	4.33	22.62	18.89	20.19	11.42	17.77	WET	NORM	NORM	NORM	NORM
2002	1.05	2.17	1.53	2.22	1.01	4.11	1.27	9.98	11.89	9.00	16.57	13.04	DRY	DRY	DRY	NORM	NORM
2003	0.50	3.29	2.51	3.06	2.13	2.01	1.19	14.61	17.49	15.02	13.35	9.72	NORM	NORM	NORM	NORM	NORM
2004	2.45	1.00	3.59	4.29	1.71	1.04	4.66	15.22	21.05	17.30	10.83	17.77	NORM	NORM	NORM	DRY	NORM
2005	0.91	2.33	3.28	6.78	0.58	0.54	1.95	15.41	29.23	18.58	9.56	7.51	NORM	WET	NORM	DRY	DRY
2006	1.85	3.62	0.89	2.36	0.47	2.35	4.52	11.76	12.48	7.02	10.35	18.73	NORM	DRY	DRY	DRY	WET
2007	2.42	1.76	5.68	6.24	1.47	4.78	1.51	22.98	31.84	22.57	23.52	15.56	WET	WET	NORM	WET	NORM
2008	1.07	1.82	2.68	6.18	1.48	1.48	1.48	12.75	25.72	19.48	13.58	8.88	NORM	WET	NORM	NORM	NORM
2009	1.42	1.37	2.11	3.45	3.99	3.57	2.28	10.49	15.94	20.98	22.14	17.97	DRY	NORM	NORM	WET	NORM
2010	1.05	3.70	2.25	7.14	7.13	3.05	1.89	15.20	29.62	37.92	30.55	18.90	NORM	WET	WET	WET	WET
2011	0.74	3.56	4.28	6.81	2.40	1.63	0.30	20.70	32.55	25.10	16.50	6.56	NORM	WET	WET	NORM	DRY
2012	0.59	4.62	2.02	1.04	1.02	1.04	0.12	15.89	11.78	7.16	6.20	3.46	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.8	1.67	2.04
April	1.67	2.61	3.14
May	2.36	3.80	4.59
June	2.37	3.41	4.05
July	2.34	3.16	3.71
August	1.45	2.47	3.00
Sept.	1.04	2.39	2.92
Jun-MAM	11.22	18.29	22.09
Jul-JMA	13.50	20.44	24.47
Aug-JJM	14.12	20.10	23.82
Sep-AJJ	11.40	17.14	20.47
Oct-SAJ	8.36	15.27	18.47

Normals are for 1971-2000 data

March	1.67
April	2.61
May	3.80
June	3.41
July	3.16
August	2.47
Sept.	2.39

Rainfall Data
Pollock
Station #SD6712
Campbell County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.27	0.80	0.29	3.15	1.79	2.30	1.32	2.74	10.83	11.96	13.63	10.35	DRY	NORM	NORM	NORM	NORM
2	1981	0.44	0.24	1.58	2.45	7.77	2.88	1.46	5.66	10.75	29.79	26.63	17.91	DRY	NORM	WET	WET	WET
3	1982	2.72	2.95	3.80	2.10	0.60	0.78	0.45	20.02	16.85	9.80	5.64	3.51	WET	NORM	NORM	DRY	DRY
4	1983	2.12	1.07	3.28	3.35	2.47	1.96	1.49	14.10	17.68	17.39	14.17	10.86	NORM	NORM	NORM	NORM	NORM
5	1984	1.43	2.87	1.05	4.96	1.67	2.00	1.18	10.32	19.85	15.98	14.30	9.21	NORM	WET	NORM	NORM	NORM
6	1985	1.28	0.73	2.15	1.59	1.39	1.26	1.70	9.19	9.80	9.50	8.15	9.01	NORM	NORM	NORM	DRY	NORM
7	1986	0.37	4.37	4.48	2.18	3.26	2.02	3.93	22.55	19.87	18.62	14.76	19.09	WET	WET	NORM	NORM	WET
8	1987	1.42	0.04	4.50	1.21	2.07	1.64	0.86	15.00	12.67	13.13	10.27	7.93	WET	NORM	NORM	NORM	NORM
9	1988	0.37	0.10	1.74	3.45	0.59	1.59	0.62	5.79	13.93	10.41	9.40	5.63	DRY	NORM	NORM	NORM	DRY
10	1989	2.12	5.24	1.00	0.68	0.63	2.62	0.58	15.60	9.28	4.25	9.80	7.61	WET	DRY	DRY	NORM	NORM
11	1990	0.90	0.91	1.46	3.92	1.81	4.16	0.90	7.10	15.59	14.73	20.02	12.83	NORM	NORM	NORM	WET	NORM
12	1991	0.53	2.02	4.20	2.43	1.20	0.81	0.23	17.17	17.71	12.66	7.26	3.51	WET	NORM	NORM	DRY	DRY
13	1992	0.44	0.36	1.46	2.69	3.30	1.92	1.06	5.54	11.35	16.74	15.05	10.32	DRY	NORM	NORM	NORM	NORM
14	1993	0.27	0.80	1.91	5.87	7.04	3.56	0.62	7.60	22.23	34.77	30.63	16.02	NORM	WET	WET	WET	WET
15	1994	0.38	1.72	1.98	1.39	4.60	2.92	0.46	9.76	9.85	18.56	19.35	11.82	NORM	NORM	NORM	WET	NORM
16	1995	0.93	1.79	4.09	4.94	3.27	1.35	0.90	16.78	24.79	23.78	15.53	8.67	WET	WET	WET	NORM	NORM
17	1996	0.59	0.39	4.48	2.14	0.84	1.59	4.25	14.81	15.77	11.28	8.59	16.77	WET	NORM	NORM	DRY	WET
18	1997	0.54	2.00	0.68	3.78	1.89	1.14	0.85	6.58	14.70	13.91	10.98	6.72	DRY	NORM	NORM	NORM	NORM
19	1998	0.20	0.57	1.53	4.73	3.25	6.51	1.40	5.93	17.82	20.74	30.76	20.47	DRY	NORM	WET	WET	WET
20	1999	0.06	1.59	6.48	2.85	4.10	2.22	2.98	22.68	23.10	24.48	17.71	17.48	WET	WET	WET	WET	WET
21	2000	1.77	1.18	2.75	1.73	1.65	1.65	0.75	12.38	11.87	11.16	9.98	7.20	NORM	NORM	NORM	NORM	NORM
22	2001	0.28	1.88	2.85	5.22	5.57	0.64	2.28	12.59	23.24	30.00	18.28	13.69	NORM	WET	WET	WET	WET
23	2002	0.34	0.81	0.68	1.60	3.57	1.59	0.45	4.00	6.97	14.59	13.51	8.10	DRY	DRY	NORM	NORM	NORM
24	2003	0.46	1.28	2.19	2.47	1.67	1.32	0.83	9.59	13.07	12.14	9.77	6.80	NORM	NORM	NORM	NORM	NORM
25	2004	1.20	0.56	3.72	3.65	1.43	1.28	3.43	13.48	18.95	15.31	10.35	14.28	NORM	NORM	NORM	NORM	WET
26	2005	0.39	0.67	3.2	5.23	1.07	3.21	0.96	11.33	22.76	16.87	17.00	10.37	NORM	WET	NORM	WET	NORM
27	2006	0.32	0.95	0.74	1.05	1.17	1.33	2.57	4.44	5.58	6.35	7.38	11.54	DRY	DRY	DRY	DRY	NORM
28	2007	2.23	1.58	4.87	3.45	0.26	2.98	1.38	20.00	21.67	12.55	12.91	10.36	WET	WET	NORM	NORM	NORM
29	2008	0.54	0.86	1.97	4.83	2.33	2.29	1.45	8.17	19.29	18.62	16.36	11.26	NORM	WET	NORM	NORM	NORM
30	2009	2.03	1.70	0.71	4.47	2.13	1.96	0.94	7.56	16.53	16.04	14.61	8.87	NORM	NORM	NORM	NORM	NORM
31	2010	1.42	2.15	3.47	2.44	1.46	1.22	2.66	16.13	16.41	12.73	9.02	11.88	WET	NORM	NORM	NORM	NORM
32	2011	1.04	1.78	2.13	3.85	2.49	2.85	0.62	10.99	17.59	17.30	17.38	10.05	NORM	NORM	NORM	WET	NORM
33	2012	0.07	1.95	2.92	3.84	1.54	1.17	0.03	12.73	19.31	15.22	10.43	3.97	NORM	WET	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.48	1.02	1.25
April	0.72	1.66	2.02
May	1.60	2.58	3.12
June	1.93	2.98	3.59
July	1.30	2.34	2.85
August	1.36	2.10	2.53
Sept.	0.65	1.35	1.65
Jun-MAM	6.72	12.08	14.65
Jul-JMA	9.71	15.76	19.03
Aug-JJM	9.36	15.56	18.85
Sep-AJJ	8.61	13.96	16.88
Oct-SAJ	5.97	10.59	12.86

Normals are for 1971-2000 data

March	1.02
April	1.66
May	2.58
June	2.98
July	2.34
August	2.10
Sept.	1.35

Rainfall Data
Porcupine 11 N
Station #SD6736
Shannon County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.83	0.86	1.40	1.53	0.72	2.18	1.82	6.75	8.25	6.62	9.51	10.54	DRY	DRY	DRY	NORM	NORM
1981	0.31	0.20	2.58	1.43	3.59	1.21	1.36	8.45	9.65	16.21	12.24	10.09	NORM	DRY	NORM	NORM	NORM
1982	0.90	0.35	5.54	3.58	4.92	0.72	2.87	18.22	22.17	27.46	15.58	14.97	WET	WET	WET	NORM	WET
1983	1.51	2.03	5.40	3.42	3.48	0.87	1.00	21.77	23.09	22.68	12.99	8.22	WET	WET	WET	NORM	NORM
1984	0.16	2.31	2.22	3.18	1.99	1.52	0.53	11.44	16.29	14.55	11.72	6.62	NORM	NORM	NORM	NORM	NORM
1985	0.52	0.92	0.96	1.32	2.17	3.00	0.76	5.24	6.80	10.11	14.66	10.45	DRY	DRY	DRY	NORM	NORM
1986	1.20	3.67	0.95	4.51	2.35	1.15	1.92	11.39	19.10	17.02	12.66	10.41	NORM	NORM	NORM	NORM	NORM
1987	1.47	0.20	4.01	1.44	1.14	1.30	0.57	13.90	12.54	10.31	7.62	5.45	NORM	NORM	DRY	DRY	NORM
1988	0.29	0.59	4.89	2.18	2.09	1.82	1.42	16.14	16.91	15.52	11.82	9.99	WET	NORM	NORM	NORM	NORM
1989	1.49	1.12	1.53	1.11	2.67	0.41	0.61	8.32	7.51	11.76	7.68	5.32	NORM	DRY	NORM	DRY	NORM
1990	1.35	0.59	2.52	3.01	3.49	0.96	0.40	10.09	14.66	19.01	12.87	6.61	NORM	NORM	NORM	NORM	NORM
1991	0.38	2.02	2.96	7.42	1.38	0.75	1.82	13.30	30.20	21.94	12.43	8.34	NORM	WET	WET	NORM	NORM
1992	1.39	2.09	1.50	4.46	3.92	1.57	0.28	10.07	18.47	22.18	17.01	7.90	NORM	NORM	WET	WET	NORM
1993	1.00	2.23	2.55	5.51	3.06	4.66	1.12	13.11	23.86	22.75	25.61	15.74	NORM	WET	WET	WET	WET
1994	0.29	1.88	1.45	4.40	3.17	0.66	3.58	8.40	17.98	19.76	12.72	15.23	NORM	NORM	NORM	NORM	WET
1995	0.73	2.81	4.82	3.79	1.57	0.48	3.72	20.81	23.82	17.11	8.37	13.69	WET	WET	NORM	NORM	WET
1996	0.91	1.42	5.06	2.41	0.79	0.84	3.40	18.93	18.77	12.25	6.51	12.67	WET	NORM	NORM	DRY	WET
1997	0.90	3.58	3.97	3.79	4.60	2.04	1.05	19.97	22.89	25.35	19.11	11.83	WET	WET	WET	WET	NORM
1998	2.13	0.02	3.39	2.46	4.65	2.91	2.05	12.34	14.18	22.26	20.49	16.62	NORM	NORM	WET	WET	WET
1999	0.71	3.47	1.93	6.06	2.91	2.33	3.09	13.44	25.51	22.78	18.87	16.84	NORM	WET	WET	WET	WET
2000	2.54	5.09	2.96	1.93	1.01	0.52	0.16	21.60	16.80	9.85	5.51	2.53	WET	NORM	DRY	DRY	DRY
2001	1.11	2.99	1.81	3.31	3.68	0.72	0.61	12.52	16.54	19.47	12.83	6.95	NORM	NORM	NORM	NORM	NORM
2002	1.35	1.54	2.79	0.31	0.67	2.03	3.52	12.80	8.05	5.42	7.74	15.29	NORM	DRY	DRY	DRY	WET
2003	2.07	1.59	3.06	2.44	0.20	0.42	1.39	14.43	15.03	8.54	4.10	5.21	NORM	NORM	DRY	DRY	NORM
2004	1.50	0.84	1.35	1.43	2.05	1.38	2.82	7.23	7.83	10.36	9.67	13.27	DRY	DRY	DRY	NORM	WET
2005	1.1	2.3	5.44	3.56	1.83	3.13	0.77	22.02	23.86	18.05	16.61	10.40	WET	WET	NORM	WET	NORM
2006	1.72	3.62	0.88	1.92	1.38	2.32	4.10	11.60	11.14	8.86	11.64	18.32	NORM	NORM	DRY	NORM	WET
2007	1.34	0.86	3.75	1.12	0.71	6.00	0.79	14.31	11.72	8.12	20.54	15.08	NORM	NORM	DRY	WET	WET
2008	0.80	1.05	4.32	3.87	2.22	2.65	1.97	15.86	21.30	18.72	16.26	13.43	NORM	WET	NORM	WET	WET
2009	2.48	3.88	0.56	3.65	1.53	2.31	0.86	11.92	15.95	12.45	13.64	8.73	NORM	NORM	NORM	NORM	NORM
2010	2.41	4.07	2.65	3.38	0.88	1.27	1.41	18.50	19.51	12.05	8.95	7.65	WET	NORM	NORM	NORM	NORM
2011	0.86	2.17	5.49	3.12	2.09	2.58	0.76	21.67	22.51	18.00	15.04	9.53	WET	WET	NORM	NORM	NORM
2012	0.03	2.61	2.32	3.87	1.18	0.02	0.11	12.21	18.86	13.60	6.29	1.55	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.48	1.00	1.22
April	0.84	1.90	2.32
May	1.80	2.81	3.39
June	1.77	2.95	3.58
July	1.70	2.66	3.20
August	0.88	1.57	1.92
Sept.	0.46	1.35	1.62
Jun-MAM	7.56	13.23	16.03
Jul-JMA	9.75	16.37	19.84
Aug-JJM	10.44	16.69	20.15
Sep-AJJ	7.81	12.98	15.74
Oct-SAJ	4.84	9.85	11.90

Normals are for 1971-2000 data

March	1.00
April	1.90
May	2.81
June	2.95
July	2.66
August	1.57
Sept.	1.35

NOTE:

Interior 3 NE NWS Station (SD4184) was used for March 1989.

Oglala 1 S NWS Station (SD6227) was used for June 2007; and March and April 2008.

Rainfall Data
Presho 7 NW
Station #SD6790
Lyman County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.81	0.60	0.58	1.76	1.17	4.66	0.08	3.75	7.04	7.61	18.08	10.73	DRY	DRY	DRY	NORM	NORM
1981	1.84	0.35	2.49	1.99	5.32	3.29	0.32	10.01	11.30	22.43	22.50	12.86	NORM	DRY	NORM	WET	NORM
1982	1.72	0.31	7.75	4.48	3.41	4.99	1.34	25.59	29.25	26.94	26.27	17.41	WET	WET	WET	WET	WET
1983	1.96	0.82	3.24	2.89	0.89	2.68	0.93	13.32	15.97	11.69	12.71	9.04	NORM	NORM	NORM	NORM	NORM
1984	1.13	3.57	2.08	5.01	3.47	1.49	0.80	14.51	22.76	22.51	16.42	8.85	NORM	NORM	WET	NORM	NORM
1985	1.38	0.75	1.83	3.30	2.15	2.16	2.76	8.37	14.31	14.88	14.08	14.75	DRY	NORM	NORM	NORM	WET
1986	1.15	4.72	4.19	2.67	1.99	1.25	3.10	23.16	21.11	15.50	10.40	13.79	WET	NORM	NORM	NORM	NORM
1987	3.77	0.30	3.79	1.19	1.54	3.00	0.37	15.74	11.45	10.79	13.27	8.65	NORM	NORM	DRY	NORM	NORM
1988	0.25	0.90	3.51	3.05	0.00	0.65	1.30	12.58	17.07	9.61	5.00	5.20	NORM	NORM	DRY	DRY	DRY
1989	1.30	2.45	0.80	1.80	2.77	0.33	4.65	8.60	9.45	12.71	8.33	17.38	DRY	DRY	NORM	DRY	WET
1990	1.58	1.32	4.37	4.32	1.85	1.80	2.29	17.33	23.02	18.56	13.42	12.32	NORM	NORM	NORM	NORM	NORM
1991	1.00	2.92	5.29	8.59	1.05	1.90	1.05	22.71	39.27	25.62	16.39	8.00	WET	WET	WET	NORM	NORM
1992	1.75	0.35	0.97	5.22	5.42	2.75	1.87	5.36	17.95	27.67	24.31	16.53	DRY	NORM	WET	WET	WET
1993	1.55	4.60	2.07	7.70	5.35	0.70	1.70	16.96	31.84	33.52	20.50	11.85	NORM	WET	WET	WET	NORM
1994	0.06	2.40	1.20	3.45	3.23	2.93	1.28	8.46	15.15	17.79	18.70	12.93	DRY	NORM	NORM	NORM	NORM
1995	1.85	5.10	6.00	4.10	1.60	1.41	1.75	30.05	29.40	19.00	11.53	9.67	WET	WET	NORM	NORM	NORM
1996	0.20	1.50	6.24	0.83	2.43	0.85	5.32	21.92	16.47	15.19	8.24	20.09	WET	NORM	NORM	DRY	WET
1997	0.10	2.48	5.05	6.60	6.30	1.35	0.90	20.21	32.38	37.15	23.25	11.70	WET	WET	WET	WET	NORM
1998	2.40	1.10	2.55	5.30	4.36	2.05	0.00	12.25	22.10	26.23	20.17	8.46	NORM	NORM	WET	WET	NORM
1999	1.01	3.90	5.90	3.20	1.55	10.10	2.75	26.51	25.30	16.95	36.60	30.00	WET	WET	NORM	WET	WET
2000	0.80	2.25	1.90	3.95	1.50	0.65	0.00	11.00	17.90	14.30	8.90	2.80	NORM	NORM	NORM	DRY	DRY
2001	0.55	6.15	3.15	2.93	3.15	0.00	2.90	22.30	21.24	18.46	9.23	11.85	WET	NORM	NORM	NORM	NORM
2002	0.93	1.22	1.34	0.80	1.30	2.63	2.32	7.39	6.30	6.84	11.29	13.52	DRY	DRY	DRY	NORM	NORM
2003	0.47	4.80	2.45	3.79	1.70	1.26	0.67	17.42	21.07	15.13	10.97	6.23	NORM	NORM	NORM	NORM	NORM
2004	3.89	0.18	5.15	2.90	0.67	2.11	3.48	19.70	19.18	12.96	10.57	15.33	WET	NORM	NORM	NORM	WET
2005	1.3	3.6	3.87	6.12	0.17	0.82	1.81	20.11	29.70	16.62	8.92	7.24	WET	WET	NORM	DRY	NORM
2006	1.30	1.20	0.41	1.71	0.99	2.62	3.05	4.93	7.15	6.80	11.55	15.38	DRY	DRY	DRY	NORM	WET
2007	4.29	1.30	4.72	2.50	0.12	3.80	0.80	21.05	18.24	10.08	14.14	10.12	WET	NORM	DRY	NORM	NORM
2008	0.84	1.23	4.30	4.68	2.07	0.98	1.84	16.20	23.87	19.87	11.76	9.55	NORM	WET	NORM	NORM	NORM
2009	1.02	1.54	0.74	5.18	3.43	2.54	0.41	6.32	18.56	21.39	19.66	9.74	DRY	NORM	NORM	WET	NORM
2010	1.20	2.52	3.23	6.01	4.44	1.15	2.82	15.93	27.01	28.57	18.34	15.20	NORM	WET	WET	NORM	WET
2011	0.64	1.93	3.77	5.05	2.09	3.73	0.29	15.81	24.62	20.14	20.42	10.42	NORM	WET	NORM	WET	NORM
2012	0.17	3.46	2.96	1.90	1.45	0.59	0.17	15.97	15.08	11.11	6.57	3.14	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.59	1.36	1.67
April	1.08	2.06	2.51
May	2.03	3.31	4.01
June	2.06	3.51	4.26
July	1.65	2.69	3.30
August	1.19	2.28	2.78
Sept.	0.63	1.49	1.85
Jun-MAM	8.84	15.41	18.72
Jul-JMA	11.32	19.21	23.31
Aug-JJM	11.10	18.40	22.43
Sep-AJJ	8.93	15.73	19.20
Oct-SAJ	5.92	11.72	14.41

Normals are for 1971-2000 data

March	1.36
April	2.06
May	3.31
June	3.51
July	2.69
August	2.28
Sept.	1.49

NOTE:
Kennebec NWS Station (SD4516) was used for March - May 1985; Sept. 1985; July 1986; March 1987; July 1987; Aug. 1996; March 1997; March 2002; May 2002; March - April 2006; July 2006; and 2007-12.

Rainfall Data
Ralph 1 N
Station #SD6907
Harding County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.40	0.36	0.72	0.92	0.62	2.14	0.23	3.28	4.56	4.42	8.58	5.59	DRY	DRY	DRY	NORM	NORM
1981	0.08	1.09	2.78	2.78	1.43	1.23	1.59	10.60	14.99	12.63	9.33	8.66	NORM	NORM	NORM	NORM	NORM
1982	2.57	0.99	5.88	2.03	2.18	1.76	0.91	22.19	18.84	16.48	11.67	8.43	WET	NORM	NORM	NORM	NORM
1983	0.91	0.73	3.31	2.09	3.59	1.15	0.88	12.30	13.62	18.26	12.72	8.53	NORM	NORM	NORM	NORM	NORM
1984	0.45	3.78	0.59	4.32	0.47	1.00	1.60	9.78	17.92	10.64	8.26	7.27	NORM	NORM	NORM	NORM	NORM
1985	0.79	0.40	2.36	2.31	1.33	1.48	1.02	8.67	12.05	10.97	9.41	7.35	NORM	NORM	NORM	NORM	NORM
1986	0.53	3.62	3.37	1.21	0.84	1.91	3.55	17.88	13.99	8.31	8.62	15.31	WET	NORM	DRY	NORM	WET
1987	2.38	0.40	5.20	0.91	3.30	1.70	1.74	18.78	13.53	16.92	12.61	11.92	WET	NORM	NORM	NORM	WET
1988	0.79	0.20	3.18	5.04	0.19	0.67	0.65	10.73	21.68	13.83	7.43	3.48	NORM	WET	NORM	NORM	DRY
1989	1.13	4.84	0.99	1.71	2.65	1.54	1.26	13.78	11.95	12.36	11.63	9.51	NORM	NORM	NORM	NORM	NORM
1990	0.53	1.35	1.00	2.25	1.06	1.11	0.21	6.23	10.10	8.68	7.70	3.91	DRY	DRY	DRY	NORM	DRY
1991	0.40	2.52	3.10	3.12	1.60	1.00	0.60	14.74	18.08	14.14	9.32	5.40	NORM	NORM	NORM	NORM	NORM
1992	0.35	0.90	1.98	4.49	2.93	1.12	0.66	8.09	18.33	19.75	13.71	7.15	NORM	NORM	WET	NORM	NORM
1993	0.65	1.56	0.78	4.68	7.83	0.53	0.32	6.11	17.16	33.63	21.93	9.85	DRY	NORM	WET	WET	NORM
1994	0.47	1.27	0.76	3.41	3.33	0.19	1.19	5.29	13.02	17.57	10.64	7.28	DRY	NORM	NORM	NORM	NORM
1995	0.59	1.09	5.01	3.54	1.37	1.34	0.23	17.80	21.73	16.20	10.30	4.74	WET	WET	NORM	NORM	NORM
1996	0.62	0.70	6.22	2.48	1.44	0.85	2.55	20.68	20.58	15.50	7.91	10.79	WET	WET	NORM	NORM	WET
1997	0.19	2.31	1.45	3.38	2.03	1.12	0.40	9.16	15.35	14.30	10.80	5.47	NORM	NORM	NORM	NORM	NORM
1998	0.72	0.33	1.46	4.51	1.42	2.10	1.37	5.76	16.78	14.74	13.65	9.73	DRY	NORM	NORM	NORM	NORM
1999	0.17	2.55	2.73	3.62	1.11	3.72	1.00	13.46	18.87	13.30	17.00	11.55	NORM	NORM	NORM	WET	WET
2000	1.37	0.56	3.17	1.83	3.84	0.29	0.46	12.00	12.39	18.35	10.38	5.80	NORM	NORM	NORM	NORM	NORM
2001	0.47	1.98	2.16	3.73	4.48	0.19	0.38	10.91	17.49	23.06	13.26	6.00	NORM	NORM	WET	NORM	NORM
2002	0.40	0.68	0.75	1.50	2.13	1.57	0.44	4.01	6.68	10.14	10.47	6.59	DRY	DRY	NORM	NORM	NORM
2003	1.98	0.87	2.19	2.28	0.30	0.62	3.74	10.29	12.09	7.65	4.74	12.76	NORM	NORM	DRY	DRY	WET
2004	0.40	0.38	1.44	4.10	0.91	1.87	1.03	5.48	15.56	12.37	11.53	7.74	DRY	NORM	NORM	NORM	NORM
2005	0.24	0.36	1.02	3.1	0.61	1.34	0.63	4.02	11.70	9.05	8.34	5.18	DRY	NORM	DRY	NORM	NORM
2006	0.46	3.15	1.5	1.16	0.28	1.40	1.93	11.26	9.63	4.66	5.92	8.87	NORM	DRY	DRY	DRY	NORM
2007	0.67	1.39	3.48	1.98	3.03	1.75	0.49	13.89	14.29	16.53	13.29	8.00	NORM	NORM	NORM	NORM	NORM
2008	0.20	1.51	8.10	4.36	1.79	0.16	0.40	27.52	30.79	22.19	8.42	3.31	WET	WET	WET	NORM	DRY
2009	3.05	1.66	0.61	3.89	3.83	1.29	0.77	8.20	14.55	19.88	15.42	8.72	NORM	NORM	WET	WET	NORM
2010	0.21	0.58	1.35	2.99	2.36	4.06	2.03	5.42	12.25	14.41	19.89	16.57	DRY	NORM	NORM	WET	WET
2011	0.31	2.16	4.79	3.46	2.56	2.17	0.18	19.00	22.12	19.39	15.09	7.44	WET	WET	WET	WET	NORM
2012	0.26	2.54	2.72	1.75	5.79	1.78	0.00	13.50	13.23	23.59	18.67	9.35	NORM	NORM	WET	WET	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.37	0.73	0.84
April	0.82	1.68	1.98
May	1.69	2.89	3.53
June	2.13	2.98	3.63
July	1.18	2.12	2.62
August	0.74	1.38	1.73
Sept.	0.50	1.23	1.46
Jun-MAM	7.08	12.76	15.39
Jul-JMA	10.59	16.40	19.93
Aug-JJM	9.49	15.21	18.65
Sep-AJJ	6.71	11.36	14.06
Oct-SAJ	4.16	8.57	10.46

Normals are for 1971-2000 data

March	0.73
April	1.68
May	2.89
June	2.98
July	2.12
August	1.38
Sept.	1.23

NOTE:

Ludlow 3 SSE NWS Station (SD5048) was used for May 1980; Sept. 2001; June 2002; August and Sept. 2003; March-Sept. 2004; March-Sept. 2005; March-May July-Sept. 2006; March-Sept. 2007-08; and May and Sept. 2009; March 2011; May and July 2012.

Ladner NWS Station (SD4671) was used for June 2006; April-May 2008; March-April 2009; and June-Aug. 2009.

Lodgepole 5 SW NWS Station (SD4956) was used for March-Sept. 2010; April-Sept. 2011; March, April, June, Aug. and Sept. 2012.

Rainfall Data
Rapid City RGNL AP
Station #SD6937
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.86	1.13	1.58	4.75	1.78	2.38	0.48	7.86	18.54	16.42	15.45	7.98	DRY	NORM	NORM	WET	NORM
1981	0.12	0.32	2.81	1.89	4.47	1.74	0.16	9.19	11.61	20.00	16.05	8.43	NORM	NORM	WET	WET	NORM
1982	1.37	0.69	6.50	2.89	1.81	4.83	2.69	22.25	22.36	17.71	21.00	19.54	WET	WET	NORM	WET	WET
1983	0.84	1.00	2.18	3.01	1.94	2.39	0.33	9.38	14.39	14.02	14.06	7.71	NORM	NORM	NORM	NORM	NORM
1984	0.69	3.10	1.57	4.72	1.57	1.00	0.74	11.60	20.40	15.72	10.86	5.79	NORM	WET	NORM	NORM	NORM
1985	1.55	0.32	1.24	1.58	1.03	1.86	1.57	5.91	7.54	7.49	9.22	9.46	DRY	DRY	DRY	NORM	NORM
1986	0.88	4.74	1.43	4.56	0.91	1.32	3.14	14.65	21.28	13.28	10.34	12.97	NORM	WET	NORM	NORM	WET
1987	1.14	0.05	3.39	1.37	0.83	2.37	0.68	11.41	10.94	8.62	10.14	7.61	NORM	NORM	DRY	NORM	NORM
1988	0.52	0.60	3.25	1.09	0.38	1.98	0.56	11.47	10.37	6.57	7.79	6.02	NORM	NORM	DRY	NORM	NORM
1989	0.96	1.46	1.40	1.04	0.82	1.70	3.09	8.08	7.38	5.94	7.78	13.49	DRY	DRY	DRY	NORM	WET
1990	1.17	0.77	4.87	1.42	1.94	1.87	2.44	17.32	14.77	13.53	10.91	13.00	WET	NORM	NORM	NORM	WET
1991	0.63	2.99	4.40	3.27	1.97	0.58	0.59	19.81	21.60	16.85	8.95	4.90	WET	WET	NORM	NORM	NORM
1992	1.92	0.71	2.47	2.17	3.25	0.47	0.42	10.75	12.16	16.56	10.08	5.45	NORM	NORM	NORM	NORM	NORM
1993	0.82	3.05	2.16	3.39	4.31	1.18	1.46	13.40	17.54	21.87	15.55	11.05	NORM	NORM	WET	WET	WET
1994	0.37	1.20	1.47	0.67	0.64	0.92	0.27	7.18	6.15	4.73	4.71	3.29	DRY	DRY	DRY	DRY	DRY
1995	0.79	2.57	4.03	4.50	2.87	0.46	0.86	18.02	24.13	21.64	11.62	6.37	WET	WET	WET	NORM	NORM
1996	1.06	1.63	8.18	1.25	0.52	1.85	1.55	28.86	21.74	12.24	7.84	8.87	WET	WET	NORM	NORM	NORM
1997	0.20	4.80	5.35	3.43	3.67	3.93	0.78	25.85	25.79	23.22	22.56	13.87	WET	WET	WET	WET	WET
1998	1.33	0.28	2.34	5.59	1.26	1.42	1.50	8.91	21.73	17.30	12.37	8.60	NORM	WET	NORM	NORM	NORM
1999	1.65	3.83	2.01	6.13	4.92	1.23	1.41	15.34	26.24	29.03	19.66	11.61	NORM	WET	WET	WET	WET
2000	1.38	3.95	2.41	1.60	2.06	0.70	0.45	16.51	13.57	11.79	7.82	4.81	WET	NORM	NORM	NORM	NORM
2001	0.42	2.16	1.73	3.57	2.46	1.59	0.91	9.93	16.33	16.25	13.26	8.37	NORM	NORM	NORM	NORM	NORM
2002	0.69	2.24	1.61	0.42	1.13	0.76	2.45	10.00	6.72	5.84	4.96	10.00	NORM	DRY	DRY	DRY	NORM
2003	1.05	2.04	1.32	2.45	0.48	0.47	1.37	9.09	12.03	7.66	4.82	5.53	NORM	NORM	DRY	DRY	NORM
2004	0.98	0.50	2.55	1.02	2.96	0.80	2.04	9.63	8.66	13.47	9.34	10.68	NORM	DRY	NORM	NORM	WET
2005	1.09	1.46	5.3	1.23	0.92	1.8	0.57	19.91	15.75	10.52	8.47	6.23	WET	NORM	NORM	NORM	NORM
2006	1.20	2.09	1.82	0.93	0.76	1.76	2.00	10.84	8.52	5.96	7.73	10.28	NORM	DRY	DRY	NORM	NORM
2007	0.49	1.32	2.93	0.96	1.20	2.82	0.83	11.92	10.06	8.45	11.82	9.33	NORM	NORM	DRY	NORM	NORM
2008	0.60	1.38	7.24	3.12	2.21	1.42	0.87	25.08	25.22	20.11	11.80	7.66	WET	WET	WET	NORM	NORM
2009	2.07	3.65	0.94	2.83	1.77	1.48	1.90	12.19	14.02	11.91	10.81	10.43	NORM	NORM	NORM	NORM	WET
2010	0.17	3.03	5.19	4.57	1.66	1.33	1.51	21.80	27.12	19.31	11.88	8.85	WET	WET	WET	NORM	NORM
2011	0.92	1.54	5.88	3.84	0.66	1.75	0.75	21.64	24.82	15.54	10.41	6.41	WET	WET	NORM	NORM	NORM
2012	0.05	3.08	2.12	2.04	1.57	0.58	0.14	12.57	13.44	10.91	6.92	3.15	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.58	1.03	1.26
April	0.80	1.86	2.27
May	1.97	2.96	3.55
June	1.74	2.83	3.43
July	1.20	2.03	2.46
August	0.99	1.61	1.95
Sept.	0.42	1.10	1.33
Jun-MAM	8.09	13.63	16.45
Jul-JMA	9.96	16.27	19.66
Aug-JJM	9.05	14.71	17.79
Sep-AJJ	7.11	11.72	14.20
Oct-SAJ	4.44	8.55	10.35

Normals are for 1971-2000 data

March	1.03
April	1.86
May	2.96
June	2.83
July	2.03
August	1.61
Sept.	1.10

Rainfall Data
Rapid City 4 NW
Station #SD6947
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.76	1.31	1.84	1.19	1.46	2.58	0.49	8.90	8.56	8.60	11.85	8.09	DRY	DRY	DRY	NORM	NORM
1981	0.02	0.21	6.17	1.65	5.13	0.84	0.16	18.95	17.50	24.86	14.43	7.29	WET	NORM	WET	NORM	NORM
1982	1.44	0.96	6.09	2.38	4.98	4.99	2.70	21.63	20.28	25.79	27.31	23.06	WET	NORM	WET	WET	WET
1983	0.83	0.90	3.02	0.70	1.86	2.67	0.25	11.69	9.04	10.00	12.43	7.95	NORM	DRY	DRY	NORM	NORM
1984	0.05	4.37	1.88	4.83	1.70	1.92	0.84	14.43	22.62	16.64	13.99	8.06	NORM	WET	NORM	NORM	NORM
1985	1.19	0.15	1.46	1.87	1.96	2.36	1.57	5.87	8.68	11.08	12.87	11.39	DRY	DRY	NORM	NORM	NORM
1986	0.83	3.85	2.10	3.80	3.60	3.52	4.09	14.83	19.45	20.50	21.56	22.91	NORM	NORM	NORM	WET	WET
1987	1.05	0.04	4.63	1.48	1.22	3.20	0.72	15.02	13.74	11.25	13.52	9.78	NORM	NORM	NORM	NORM	NORM
1988	0.53	0.58	2.99	1.38	0.28	1.80	0.09	10.66	10.70	6.59	7.34	4.15	NORM	NORM	DRY	DRY	DRY
1989	0.88	1.68	1.67	1.26	1.75	2.10	3.02	9.25	8.80	9.44	11.06	15.01	NORM	DRY	DRY	NORM	WET
1990	0.62	0.91	3.69	0.87	3.89	3.13	0.42	13.51	10.90	17.10	18.04	11.41	NORM	NORM	NORM	WET	NORM
1991	0.45	4.54	6.52	4.00	1.78	0.96	0.58	29.09	29.58	19.86	10.44	5.44	WET	WET	NORM	NORM	DRY
1992	1.83	0.90	2.56	2.32	3.97	1.70	0.53	11.31	12.98	19.11	15.36	8.96	NORM	NORM	NORM	NORM	NORM
1993	0.04	2.22	3.38	4.08	4.09	2.60	1.33	14.62	21.22	23.81	20.06	13.28	NORM	NORM	WET	WET	WET
1994	0.40	0.74	2.66	1.17	2.08	0.77	0.43	9.86	9.57	11.24	7.64	4.91	NORM	DRY	NORM	DRY	DRY
1995	0.57	1.60	6.13	4.41	6.31	0.34	1.04	22.16	27.09	33.88	18.05	10.11	WET	WET	WET	WET	NORM
1996	0.90	1.07	7.85	1.54	1.09	2.43	2.07	26.59	21.39	14.20	11.01	12.16	WET	NORM	NORM	NORM	NORM
1997	0.07	0.96	6.39	2.22	2.32	2.84	1.83	21.16	20.40	17.79	15.38	13.49	WET	NORM	NORM	NORM	WET
1998	1.99	0.38	1.77	5.58	3.11	1.56	4.03	8.06	20.66	22.26	16.48	18.32	DRY	NORM	WET	NORM	WET
1999	1.50	3.96	2.56	9.24	3.60	3.82	1.01	17.10	36.80	31.84	27.90	14.27	NORM	WET	WET	WET	WET
2000	1.50	4.76	2.54	2.46	1.76	0.64	0.49	18.64	17.22	12.74	7.90	4.51	WET	NORM	NORM	DRY	DRY
2001	0.37	2.48	2.19	3.26	4.18	1.63	0.73	11.90	16.64	21.25	16.51	9.63	NORM	NORM	NORM	NORM	NORM
2002	1.08	2.42	2.15	0.01	2.71	2.03	2.04	12.37	6.75	10.30	11.52	12.89	NORM	DRY	DRY	NORM	WET
2003	1.13	1.81	0.66	2.44	0.96	0.84	1.60	6.73	10.45	8.42	6.88	7.44	DRY	DRY	DRY	DRY	NORM
2004	0.81	0.47	3.15	1.15	3.20	1.55	2.25	11.20	10.22	15.05	12.20	13.05	NORM	DRY	NORM	NORM	WET
2005	0.85	1.65	4.16	1.42	1.63	2.73	0.66	16.63	14.23	11.89	12.87	9.07	NORM	NORM	NORM	NORM	NORM
2006	1.75	1.29	1.67	0.67	2.16	2.82	2.60	9.34	6.64	9.49	13.45	15.60	NORM	DRY	DRY	NORM	WET
2007	0.68	0.93	3.85	1.22	0.00	1.24	0.23	14.09	12.29	6.29	4.94	3.17	NORM	NORM	DRY	DRY	DRY
2008	0.70	1.74	9.59	5.46	3.64	1.24	1.09	32.95	37.30	31.43	16.46	9.39	WET	WET	WET	NORM	NORM
2009	1.50	3.15	0.90	4.25	3.59	2.24	2.40	10.50	17.70	20.17	18.15	15.27	NORM	NORM	NORM	WET	WET
2010	0.23	3.79	6.68	4.27	1.46	1.73	1.13	27.85	29.96	19.60	12.38	8.31	WET	WET	NORM	NORM	NORM
2011	0.53	1.59	5.16	3.01	1.60	2.43	0.39	19.19	20.94	15.98	13.50	7.63	WET	NORM	NORM	NORM	NORM
2012	0.04	0.81	1.78	1.56	1.32	0.36	0.00	7.00	9.05	8.86	5.28	2.04	DRY	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.35	0.90	1.10
April	0.82	1.97	2.39
May	2.37	3.46	4.13
June	1.67	3.04	3.71
July	1.73	2.71	3.27
August	1.29	2.09	2.53
Sept.	0.49	1.23	1.49
Jun-MAM	9.10	15.22	18.27
Jul-JMA	10.57	18.01	21.78
Aug-JJM	10.90	17.67	21.36
Sep-AJJ	9.00	14.73	17.84
Oct-SAJ	5.78	10.58	12.80

Normals are for 1971-2000 data

March	0.90
April	1.97
May	3.46
June	3.04
July	2.71
August	2.09
Sept.	1.23

NOTE:
Rapid City Regional AP NWS Station (SD6937) was used for Sept. 1981; April and June 1984; May and Sept. 1985.

Rainfall Data
Raymond 3 NE
Station #SD7007
Clark County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.27	0.93	0.65	7.60	2.33	2.48	0.20	4.08	25.03	22.84	19.70	7.89	DRY	WET	NORM	NORM	NORM
1981	1.21	0.72	0.85	2.43	2.31	1.88	0.40	5.20	9.71	12.64	12.69	7.27	DRY	DRY	NORM	NORM	NORM
1982	1.60	1.07	3.65	1.88	3.19	2.19	2.19	14.69	14.01	16.98	14.83	14.14	NORM	NORM	NORM	NORM	NORM
1983	1.68	0.19	1.73	4.42	2.56	3.85	2.41	7.25	16.91	18.25	21.09	17.49	NORM	NORM	NORM	WET	WET
1984	1.30	1.85	1.90	10.03	1.84	2.13	0.53	10.70	35.74	27.48	20.10	7.69	NORM	WET	WET	NORM	NORM
1985	1.81	1.35	2.54	1.94	4.32	5.49	2.96	12.13	12.25	19.38	27.05	24.18	NORM	NORM	NORM	WET	WET
1986	0.55	6.17	2.12	3.98	2.77	3.59	3.46	19.25	22.35	18.39	20.29	20.33	WET	NORM	NORM	NORM	WET
1987	2.73	0.35	1.77	1.76	3.56	4.20	0.98	8.74	9.17	15.97	21.48	14.90	NORM	DRY	NORM	WET	NORM
1988	0.55	1.18	4.12	1.26	0.89	4.58	4.77	15.27	13.20	9.31	16.78	24.36	NORM	NORM	DRY	NORM	WET
1989	1.38	2.25	1.58	1.89	1.23	3.65	1.77	10.62	11.08	9.05	15.30	13.84	NORM	NORM	DRY	NORM	NORM
1990	1.75	1.74	2.02	5.80	2.01	0.98	0.65	11.29	23.18	19.65	12.76	5.92	NORM	WET	NORM	NORM	DRY
1991	0.52	5.33	5.55	5.71	0.75	2.94	1.78	27.83	33.56	19.22	16.03	11.97	WET	WET	NORM	NORM	NORM
1992	0.64	0.65	0.35	8.78	2.86	1.61	1.43	2.99	27.69	26.49	19.33	10.37	DRY	WET	WET	NORM	NORM
1993	0.88	1.61	3.49	9.49	7.12	2.39	1.13	14.57	37.06	43.83	30.90	15.29	NORM	WET	WET	WET	NORM
1994	0.30	2.12	2.18	3.92	5.35	2.62	1.61	11.08	18.24	26.07	22.48	15.42	NORM	NORM	WET	WET	NORM
1995	3.18	3.11	3.75	3.26	6.71	1.89	0.73	20.65	20.39	30.40	22.35	12.68	WET	NORM	WET	WET	NORM
1996	0.27	0.16	3.87	2.12	1.78	2.03	3.62	12.20	14.26	13.45	11.77	16.70	NORM	NORM	NORM	NORM	WET
1997	0.52	1.59	0.87	2.59	9.32	0.84	3.17	6.31	11.10	34.01	23.75	20.51	DRY	NORM	WET	WET	WET
1998	2.18	1.62	5.99	1.32	3.08	1.99	0.00	23.39	17.56	17.87	13.45	7.06	WET	NORM	NORM	NORM	NORM
1999	0.51	2.09	3.19	5.55	1.78	3.68	3.17	14.26	25.12	19.63	20.15	18.65	NORM	WET	NORM	NORM	WET
2000	0.37	2.01	3.44	2.57	4.38	1.93	0.68	14.71	16.60	21.72	17.12	10.28	NORM	NORM	NORM	NORM	NORM
2001	0.23	4.73	2.27	3.66	1.30	0.68	3.02	16.50	20.25	13.49	8.30	11.72	WET	NORM	NORM	DRY	NORM
2002	0.85	1.39	1.47	1.64	1.43	5.95	0.60	8.04	9.25	9.04	22.35	15.13	NORM	DRY	DRY	WET	NORM
2003	0.36	1.54	3.36	3.57	2.58	3.35	1.28	13.52	18.97	18.24	18.78	13.12	NORM	NORM	NORM	NORM	NORM
2004	1.96	1.69	5.79	3.06	2.97	1.70	5.27	22.71	22.45	20.82	14.10	22.18	WET	NORM	NORM	NORM	WET
2005	0.21	0.76	2.4	5.95	2.36	2.77	2.8	8.93	23.41	21.38	18.98	16.30	NORM	WET	NORM	NORM	WET
2006	1.33	3.77	1.64	0.93	0.26	3.69	3.47	13.79	9.84	4.28	12.52	18.05	NORM	DRY	DRY	NORM	WET
2007	1.36	3.60	7.89	4.19	0.00	4.48	3.09	32.23	31.95	16.27	17.63	18.23	WET	WET	NORM	NORM	WET
2008	0.66	1.62	1.54	2.92	3.74	1.03	5.61	8.52	13.46	18.60	13.49	22.63	NORM	NORM	NORM	NORM	WET
2009	1.21	1.13	1.43	2.03	3.60	1.80	3.56	7.76	10.08	16.29	14.63	17.88	NORM	DRY	NORM	NORM	WET
2010	1.66	2.35	2.96	5.28	5.98	1.76	6.19	15.24	24.11	31.46	22.52	28.07	NORM	WET	WET	WET	WET
2011	0.62	2.14	4.32	2.65	3.23	1.26	0.74	17.86	18.73	19.31	12.89	7.97	WET	NORM	NORM	NORM	NORM
2012	0.29	3.93	2.07	1.14	0.40	1.81	0.10	14.36	11.49	5.55	7.37	4.32	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.66	1.19	1.47
April	0.98	1.83	2.24
May	1.50	2.70	3.29
June	2.23	3.77	4.58
July	1.49	2.90	3.55
August	1.74	2.59	3.09
Sept.	0.62	1.64	2.00
Jun-MAM	7.12	12.95	15.82
Jul-JMA	10.67	18.54	22.56
Aug-JJM	10.43	18.94	23.10
Sep-AJJ	10.43	17.34	20.95
Oct-SAJ	6.83	13.00	15.73

Normals are for 1971-2000 data

March	1.19
April	1.83
May	2.70
June	3.77
July	2.90
August	2.59
Sept.	1.64

Note: Clark NWS Station (SD1739) was used for July 1980 and March 2000.

Rainfall Data
Redfield
Station #SD7052
Spink County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.25	1.25	1.85	4.74	3.20	3.88	0.50	9.30	19.17	20.93	22.78	12.46	NORM	NORM	NORM	WET	NORM
1981	1.04	1.04	1.12	2.63	1.19	2.16	0.71	6.48	11.17	9.95	11.49	7.64	DRY	NORM	DRY	NORM	NORM
1982	1.28	0.48	4.54	1.72	3.44	1.40	2.30	15.86	14.72	18.30	12.80	13.14	NORM	NORM	NORM	NORM	NORM
1983	2.27	0.73	2.06	4.95	2.83	3.63	2.59	9.91	19.70	20.45	21.50	17.86	NORM	NORM	NORM	WET	WET
1984	1.30	2.38	2.33	6.00	2.65	4.71	0.82	13.05	25.04	22.28	25.43	14.53	NORM	WET	NORM	WET	NORM
1985	1.53	0.74	2.47	2.20	5.20	4.03	4.83	10.42	12.28	22.47	24.69	27.75	NORM	NORM	WET	WET	WET
1986	0.62	6.25	3.92	3.06	2.19	4.09	4.70	24.88	23.27	16.61	19.71	24.47	WET	WET	NORM	NORM	WET
1987	2.05	0.44	1.13	1.15	2.47	0.74	1.44	6.32	6.15	10.84	8.31	8.27	DRY	DRY	NORM	DRY	NORM
1988	0.15	1.06	3.67	1.12	1.25	3.67	3.99	13.28	11.76	9.66	14.63	20.56	NORM	NORM	DRY	NORM	WET
1989	1.61	2.03	1.13	2.04	1.44	1.35	2.87	9.06	10.41	9.53	8.97	12.75	NORM	DRY	DRY	DRY	NORM
1990	0.90	1.60	1.73	4.38	8.00	2.99	0.61	9.29	18.20	34.49	29.35	15.81	NORM	NORM	WET	WET	NORM
1991	0.64	4.55	9.41	3.94	1.00	3.50	1.70	37.97	35.19	20.29	16.44	13.10	WET	WET	NORM	NORM	NORM
1992	0.52	0.59	0.93	7.28	2.93	3.30	1.18	4.49	24.29	24.28	23.04	13.07	DRY	WET	WET	WET	NORM
1993	0.94	2.95	2.26	5.81	9.20	1.91	1.23	13.62	24.90	41.48	29.94	16.71	NORM	WET	WET	WET	WET
1994	0.11	2.37	1.00	1.45	7.33	1.57	1.28	7.85	8.72	25.89	20.82	14.31	NORM	DRY	WET	WET	NORM
1995	1.81	2.98	4.15	3.94	3.51	1.96	0.99	20.22	23.10	22.56	16.84	10.40	WET	WET	WET	NORM	NORM
1996	0.27	0.09	6.04	1.12	1.56	0.61	4.86	18.57	15.53	12.96	6.07	17.36	WET	NORM	NORM	DRY	WET
1997	0.46	2.00	2.09	3.71	4.89	2.12	2.24	10.73	17.31	24.18	19.85	15.85	NORM	NORM	WET	NORM	NORM
1998	1.02	2.09	4.19	1.94	2.72	3.83	0.00	17.77	16.29	16.23	18.87	10.38	WET	NORM	NORM	NORM	NORM
1999	0.55	2.57	2.48	4.01	2.75	2.22	3.47	13.13	19.56	18.75	16.17	17.60	NORM	NORM	NORM	NORM	WET
2000	1.10	2.17	3.38	4.15	3.33	3.46	0.37	15.58	21.38	21.67	21.19	11.36	NORM	WET	NORM	WET	NORM
2001	0.23	3.26	2.36	4.21	2.68	0.25	1.94	13.83	20.61	18.82	10.32	9.00	NORM	NORM	NORM	NORM	NORM
2002	0.65	1.63	1.58	1.74	3.03	4.95	1.04	8.65	10.01	14.15	22.65	16.05	NORM	DRY	NORM	WET	NORM
2003	0.47	2.26	2.63	4.61	1.93	1.99	0.64	12.88	21.35	17.64	14.44	7.83	NORM	WET	NORM	NORM	NORM
2004	1.89	1.19	3.99	2.80	4.46	1.87	3.31	16.24	17.57	22.97	17.33	18.13	NORM	NORM	WET	NORM	WET
2005	0.36	0.50	2.02	8.48	1.41	2.46	5.44	7.42	29.98	23.21	18.68	22.65	DRY	WET	WET	NORM	WET
2006	0.81	1.91	2.00	0.85	1.00	2.72	3.04	10.63	8.46	6.70	11.01	15.56	NORM	DRY	DRY	NORM	NORM
2007	1.73	3.43	12.98	2.73	0.39	3.67	2.05	47.53	37.58	19.61	14.52	13.88	WET	WET	NORM	NORM	NORM
2008	1.04	1.50	1.46	7.55	5.66	0.76	3.14	8.42	27.07	33.54	21.15	16.60	NORM	WET	WET	WET	WET
2009	1.64	0.85	0.79	4.17	4.30	1.62	3.02	5.71	14.94	22.03	17.63	16.60	DRY	NORM	NORM	NORM	WET
2010	2.14	2.40	4.58	3.72	5.68	0.86	5.22	20.68	22.72	29.06	17.66	23.06	WET	WET	WET	NORM	WET
2011	1.37	1.95	3.31	3.50	2.47	1.16	0.98	15.20	19.07	17.72	11.92	7.73	NORM	NORM	NORM	NORM	NORM
2012	0.00	1.85	1.19	0.63	1.24	0.98	0.00	7.27	6.12	6.17	6.05	3.20	DRY	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.53	1.19	1.45
April	1.01	1.92	2.35
May	1.68	2.97	3.62
June	2.08	3.17	3.81
July	1.60	3.00	3.70
August	1.35	2.41	2.93
Sept.	0.79	1.85	2.34
Jun-MAM	7.59	13.94	17.01
Jul-JMA	10.61	17.37	21.02
Aug-JJM	10.64	18.31	22.34
Sep-AJJ	9.33	16.40	20.00
Oct-SAJ	6.67	13.37	16.58

Normals are for 1971-2000 data

March	1.19
April	1.92
May	2.97
June	3.17
July	3.00
August	2.41
Sept.	1.85

NOTE:

Mellette 4 W NWS Station (SD5456) was used for July 1996; March-Sept. 2000; March-Sept. 2001; March-Sept. 2002; May-Sept. 2011.

Redfield NWS Station (SD9704) was used for April-Sept 2012.

Redfield 3 NE NWS Station (SD7053) was used for March 2012.

Rainfall Data
Redig 11 NE
Station #SD7062
Harding County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.30	0.39	0.36	2.36	0.63	3.78	0.29	2.16	8.19	6.97	14.96	9.06	DRY	DRY	DRY	WET	NORM
1981	0.02	0.30	2.29	2.17	2.33	1.66	1.39	7.49	11.39	13.62	11.81	9.82	NORM	NORM	NORM	NORM	WET
1982	2.22	1.05	6.62	2.27	2.92	0.93	1.53	24.18	21.10	19.92	10.90	9.37	WET	WET	WET	NORM	NORM
1983	0.82	0.46	1.17	0.91	1.88	2.10	0.36	5.25	5.53	8.63	10.97	7.16	DRY	DRY	DRY	NORM	NORM
1984	0.53	4.12	1.33	4.64	0.83	2.47	1.52	12.76	20.70	13.10	13.71	10.33	NORM	WET	NORM	NORM	WET
1985	1.23	0.10	4.01	2.67	0.90	1.01	0.71	13.46	16.13	12.05	7.50	5.05	NORM	NORM	NORM	NORM	NORM
1986	0.58	3.63	3.13	1.60	2.18	0.44	4.10	17.23	14.69	12.87	7.28	15.36	WET	NORM	NORM	NORM	WET
1987	2.38	0.45	5.43	1.03	2.96	2.05	1.63	19.57	14.40	16.37	13.10	11.95	WET	NORM	NORM	NORM	WET
1988	0.24	0.73	2.70	3.44	0.42	0.27	0.68	9.80	16.45	10.84	5.09	3.00	NORM	NORM	NORM	DRY	DRY
1989	1.96	2.77	0.82	1.78	4.06	1.64	0.76	9.96	9.75	16.56	14.82	9.62	NORM	DRY	NORM	WET	NORM
1990	0.27	1.21	1.18	1.67	0.94	0.52	0.14	6.23	8.58	7.34	5.11	2.40	DRY	DRY	DRY	DRY	DRY
1991	0.43	2.30	2.98	1.63	1.80	0.28	0.59	13.97	13.15	11.64	6.07	4.13	NORM	NORM	NORM	DRY	NORM
1992	0.34	1.15	1.11	4.51	2.23	1.03	0.52	5.97	16.90	16.82	12.06	5.85	DRY	NORM	NORM	NORM	NORM
1993	0.88	0.83	2.48	5.95	6.38	1.52	0.18	9.98	23.64	33.52	23.27	9.96	NORM	WET	WET	WET	WET
1994	0.17	1.23	0.74	1.43	2.74	0.23	0.75	4.85	7.00	11.82	7.60	5.45	DRY	DRY	NORM	NORM	NORM
1995	1.02	1.33	6.32	2.61	2.12	1.15	0.10	22.64	21.80	17.90	10.30	4.72	WET	WET	NORM	NORM	NORM
1996	1.21	0.68	7.65	1.93	0.51	2.07	2.08	25.52	21.77	13.04	9.16	10.89	WET	WET	NORM	NORM	WET
1997	0.02	2.88	2.30	2.84	1.52	1.79	0.73	12.68	16.00	12.54	11.25	7.29	NORM	NORM	NORM	NORM	NORM
1998	0.47	0.24	2.05	8.35	0.67	4.65	0.76	7.10	29.39	20.76	23.64	12.25	NORM	WET	WET	WET	WET
1999	0.33	1.81	2.67	4.64	1.64	1.40	0.67	11.96	21.07	16.87	12.12	6.45	NORM	WET	NORM	NORM	NORM
2000	0.59	0.76	2.29	1.50	1.70	0.64	0.37	8.98	9.84	10.39	6.82	4.09	NORM	DRY	NORM	NORM	NORM
2001	0.74	2.06	1.92	6.23	5.73	2.10	0.64	10.62	24.59	31.57	23.99	11.85	NORM	WET	WET	WET	WET
2002	0.19	0.69	0.79	1.40	2.05	2.56	0.88	3.94	6.47	9.74	13.18	9.81	DRY	DRY	NORM	NORM	WET
2003	2.34	0.74	1.05	2.53	1.31	0.58	3.53	6.97	10.43	10.04	6.89	13.06	NORM	NORM	NORM	NORM	WET
2004	1.02	0.23	2.16	0.55	4.64	3.05	1.13	7.96	6.20	17.18	18.98	14.13	NORM	DRY	NORM	WET	WET
2005	0.2	0.69	3.57	2.26	1.02	1.76	0.95	12.29	14.61	11.15	9.58	7.39	NORM	NORM	NORM	NORM	NORM
2006	0.70	3.81	0.91	1.30	0.07	2.30	1.33	11.05	9.53	3.72	8.34	8.66	NORM	DRY	DRY	NORM	NORM
2007	1.37	1.03	3.00	1.66	1.51	5.15	0.21	12.43	12.01	10.85	20.13	12.44	NORM	NORM	NORM	WET	WET
2008	0.24	0.97	5.08	7.00	2.32	2.67	0.87	17.42	32.13	26.04	19.65	10.27	WET	WET	WET	WET	WET
2009	1.50	0.88	1.10	1.82	2.28	1.75	0.76	6.56	8.54	11.58	11.63	8.06	DRY	DRY	NORM	NORM	NORM
2010	0.83	1.07	2.82	2.78	2.91	3.40	3.85	11.43	15.05	17.11	18.80	21.26	NORM	NORM	NORM	WET	WET
2011	1.02	1.82	4.96	2.35	1.84	2.25	0.00	19.54	18.79	15.18	12.78	6.34	WET	NORM	NORM	NORM	NORM
2012	0.18	1.81	1.74	0.70	5.25	1.09	0.07	9.02	7.39	18.89	14.47	7.64	NORM	DRY	WET	WET	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.27	0.77	0.92
April	0.72	1.54	1.89
May	1.69	2.93	3.56
June	1.96	3.04	3.66
July	1.14	2.10	2.56
August	0.75	1.44	1.76
Sept.	0.38	0.99	1.22
Jun-MAM	6.78	12.64	15.38
Jul-JMA	9.98	16.52	19.99
Aug-JJM	9.03	15.31	18.56
Sep-AJJ	6.49	11.56	14.06
Oct-SAJ	3.78	7.95	9.74

Normals are for 1971-2000 data

March	0.77
April	1.54
May	2.93
June	3.04
July	2.10
August	1.44
Sept.	0.99

Note:

Harding 3 SE NWS Station (SD3560) was used for March-April 2002 and April 2009.

Hoover NWS Station (SD3945) was used for July 2011.

Buffalo 12 ESE NWS Station (SD081) was used for 2012.

Rainfall Data
Red Owl
Station #SD7073
Meade County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.43	0.79	0.72	3.02	1.07	1.66	1.10	4.17	11.29	9.97	10.14	7.69	DRY	NORM	NORM	NORM	NORM
1981	0.02	0.06	3.46	4.38	2.83	0.82	0.51	10.52	20.12	20.71	12.50	6.00	NORM	NORM	WET	NORM	NORM
1982	2.21	1.02	7.56	1.55	2.93	3.15	2.08	26.93	20.79	19.45	16.86	15.47	WET	NORM	WET	WET	WET
1983	1.23	0.84	2.41	1.97	1.15	3.71	1.31	10.14	11.57	9.80	15.40	12.50	NORM	NORM	NORM	WET	WET
1984	0.59	3.49	1.47	5.28	1.41	1.19	1.07	11.98	22.27	16.26	11.67	7.00	NORM	WET	NORM	NORM	NORM
1985	1.88	0.49	2.08	2.32	2.04	0.48	0.66	9.10	11.61	12.84	7.84	4.98	NORM	NORM	NORM	NORM	NORM
1986	0.81	3.97	2.86	3.05	1.84	1.22	4.25	17.33	18.84	14.48	10.39	17.03	NORM	NORM	NORM	NORM	WET
1987	2.08	0.03	6.53	0.87	1.87	4.28	0.36	21.73	15.70	13.88	17.45	11.51	WET	NORM	NORM	WET	WET
1988	0.98	0.64	2.81	6.07	0.10	0.98	1.02	10.69	24.47	15.25	9.21	5.12	NORM	WET	NORM	NORM	NORM
1989	1.15	1.53	0.94	1.64	1.31	0.97	1.30	7.03	8.33	8.15	7.17	7.15	DRY	DRY	DRY	NORM	NORM
1990	0.59	0.92	2.03	2.17	1.16	1.07	1.37	8.52	11.49	9.85	7.70	7.41	NORM	NORM	NORM	NORM	NORM
1991	0.96	2.98	3.09	2.26	0.90	1.39	0.44	16.19	15.94	10.31	8.23	5.00	NORM	NORM	NORM	NORM	NORM
1992	0.64	0.83	1.55	2.84	3.77	1.12	0.80	6.95	12.45	18.54	13.74	8.41	DRY	NORM	NORM	NORM	NORM
1993	1.52	1.83	5.64	5.95	6.39	0.82	1.10	22.10	30.96	36.71	21.19	11.33	WET	WET	WET	WET	WET
1994	0.13	1.16	1.66	2.98	3.80	0.39	0.13	7.43	13.42	19.02	11.75	4.97	DRY	NORM	NORM	NORM	NORM
1995	1.48	1.50	7.81	4.04	1.31	0.65	0.80	27.91	29.24	19.82	8.61	5.01	WET	WET	WET	NORM	NORM
1996	1.21	1.34	8.21	0.84	0.71	1.38	2.08	28.52	20.28	12.02	6.40	9.71	WET	NORM	NORM	NORM	NORM
1997	0.36	4.44	3.47	1.22	4.61	1.38	0.50	19.65	15.04	19.74	14.58	8.87	WET	NORM	WET	WET	NORM
1998	2.00	0.45	2.17	6.40	2.60	2.47	0.03	9.41	23.99	22.77	19.01	7.63	NORM	WET	WET	WET	NORM
1999	0.80	2.86	2.67	5.35	2.39	1.77	1.48	14.53	24.25	20.54	15.44	10.37	NORM	WET	WET	WET	WET
2000	1.51	4.30	5.51	3.02	3.54	0.16	0.37	26.64	24.38	22.17	10.58	4.97	WET	WET	WET	NORM	NORM
2001	0.39	1.95	2.26	1.67	4.61	1.87	0.89	11.07	11.48	19.43	16.50	11.02	NORM	NORM	WET	WET	WET
2002	0.83	0.68	1.83	1.02	0.70	2.23	1.78	7.68	7.40	5.97	9.11	10.50	DRY	DRY	DRY	NORM	WET
2003	1.53	2.00	2.34	2.50	1.09	0.37	2.51	12.55	14.18	10.61	5.79	9.36	NORM	NORM	NORM	DRY	NORM
2004	1.15	0.59	3.33	1.61	3.48	2.65	3.48	12.32	12.08	16.99	16.52	19.22	NORM	NORM	NORM	WET	WET
2005	0.83	1.28	4.22	3.73	1.09	1.68	0.95	16.05	20.91	14.95	10.95	7.30	NORM	WET	NORM	NORM	NORM
2006	1.82	2.78	1.06	1.32	0.15	0.78	3.25	10.56	8.86	4.15	3.96	11.46	NORM	DRY	DRY	DRY	WET
2007	1.31	1.38	4.55	3.16	1.45	4.35	0.42	17.72	19.96	15.22	19.11	11.41	WET	NORM	NORM	WET	WET
2008	0.52	1.53	8.66	5.73	3.34	2.64	1.07	29.56	36.04	30.14	20.33	11.83	WET	WET	WET	WET	WET
2009	3.18	1.81	1.13	2.22	3.33	4.26	0.85	10.19	10.73	15.56	21.66	14.40	NORM	NORM	NORM	WET	WET
2010	0.73	2.48	5.34	3.42	2.43	0.61	2.78	21.71	23.42	19.47	10.11	11.99	WET	WET	WET	NORM	WET
2011	0.83	1.87	7.39	3.89	1.20	2.50	0.29	26.74	28.32	18.77	13.79	7.07	WET	WET	NORM	NORM	NORM
2012	0.23	2.59	1.99	1.83	2.47	0.25	0.00	11.38	12.06	13.06	7.52	2.97	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.51	1.02	1.25
April	0.75	1.77	2.15
May	1.94	3.25	3.94
June	1.88	2.99	3.61
July	1.14	2.21	2.70
August	0.71	1.34	1.64
Sept.	0.39	1.13	1.35
Jun-MAM	7.83	14.31	17.37
Jul-JMA	10.27	17.24	20.86
Aug-JJM	9.12	15.86	19.26
Sep-AJJ	6.29	11.43	13.93
Oct-SAJ	3.73	8.28	10.03

Normals are for 1971-2000 data

March	1.02
April	1.77
May	3.25
June	2.99
July	2.21
August	1.34
Sept.	1.13

NOTE:

Maurine NWS Station (SD5325) was used for June 2006.

Union Center NWS Station (SD9820) was used for May 2012.

Rainfall Data
Roscoe
Station #SD7277
Edmunds County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.92	1.37	1.45	1.99	1.24	6.04	0.93	8.01	10.24	9.15	22.59	16.11	DRY	DRY	DRY	WET	WET
1981	2.46	0.24	2.28	3.18	3.92	1.59	1.40	9.78	14.34	20.40	15.79	11.30	NORM	NORM	NORM	NORM	NORM
1982	1.49	1.12	3.37	3.32	2.88	1.40	0.88	13.84	17.82	18.65	13.28	8.32	NORM	NORM	NORM	NORM	NORM
1983	1.86	1.24	1.48	3.64	4.63	3.03	1.44	8.78	15.12	22.65	21.99	15.01	DRY	NORM	WET	WET	WET
1984	1.94	2.94	1.78	7.05	1.81	2.34	0.96	13.16	27.65	21.31	17.69	9.37	NORM	WET	NORM	NORM	NORM
1985	1.36	1.14	3.71	2.07	1.47	3.57	3.14	14.77	14.77	12.26	15.72	18.03	NORM	NORM	NORM	NORM	WET
1986	0.39	6.10	3.10	3.85	3.14	2.53	2.06	21.89	23.85	20.22	17.72	14.38	WET	WET	NORM	NORM	NORM
1987	1.61	0.00	1.41	0.96	3.70	1.85	0.49	5.84	5.70	14.43	13.91	8.87	DRY	DRY	NORM	NORM	NORM
1988	0.07	0.19	1.67	1.19	1.63	1.68	2.50	5.46	7.10	8.94	9.49	12.49	DRY	DRY	DRY	DRY	NORM
1989	1.79	2.60	0.57	5.91	1.88	3.96	2.53	8.70	21.47	18.03	21.55	17.39	DRY	NORM	NORM	WET	WET
1990	1.00	1.91	1.51	6.58	1.25	3.09	3.30	9.35	24.67	18.42	18.35	17.33	NORM	WET	NORM	NORM	WET
1991	0.42	3.16	6.12	5.34	0.82	1.20	0.31	25.10	31.42	19.26	10.58	4.15	WET	WET	NORM	NORM	DRY
1992	0.52	0.13	2.20	4.63	5.44	3.01	0.82	7.38	18.42	27.78	24.54	13.92	DRY	NORM	WET	WET	NORM
1993	0.26	0.95	2.95	4.83	9.55	3.13	1.32	11.01	21.34	41.26	33.32	19.77	NORM	NORM	WET	WET	WET
1994	0.34	1.97	0.43	1.55	6.17	2.82	1.06	5.57	7.48	22.04	22.35	14.99	DRY	DRY	WET	WET	NORM
1995	2.25	3.68	5.59	4.44	3.34	1.84	0.70	26.38	28.18	24.49	16.64	9.12	WET	WET	WET	NORM	NORM
1996	1.08	0.28	3.77	3.65	1.02	0.29	5.65	12.95	18.77	14.13	6.56	18.55	NORM	NORM	NORM	DRY	WET
1997	0.51	2.70	2.05	3.07	4.13	1.00	0.64	12.06	16.01	20.58	14.33	8.05	NORM	NORM	NORM	NORM	NORM
1998	1.23	1.78	2.29	3.38	3.82	3.28	0.07	11.66	16.50	20.51	20.86	10.59	NORM	NORM	NORM	WET	NORM
1999	0.86	3.10	4.79	3.42	3.80	3.47	4.75	21.43	22.94	23.03	21.43	24.99	WET	WET	WET	WET	WET
2000	2.28	2.19	2.79	5.16	3.07	5.51	0.59	15.03	23.25	22.32	27.83	15.86	NORM	WET	WET	WET	WET
2001	0.12	3.34	1.79	2.89	4.47	0.56	1.73	12.17	15.59	20.98	13.51	10.78	NORM	NORM	NORM	NORM	NORM
2002	0.56	0.93	0.98	0.99	3.09	3.37	1.86	5.36	5.86	12.23	17.28	15.41	DRY	DRY	NORM	NORM	WET
2003	0.83	1.36	6.52	3.42	1.66	0.55	1.07	23.11	24.66	18.34	8.39	5.97	WET	WET	NORM	DRY	DRY
2004	2.59	0.59	4.58	3.37	2.78	2.09	4.16	17.51	19.86	19.66	15.20	19.44	WET	NORM	NORM	NORM	WET
2005	0.17	0.84	2.32	8.06	1.11	2.48	1.31	8.81	29.66	21.77	17.72	10.00	DRY	WET	NORM	NORM	NORM
2006	0.41	0.84	1.76	1.35	2.06	2.53	3.24	7.37	8.41	10.64	13.06	16.84	DRY	DRY	DRY	NORM	WET
2007	1.68	2.55	4.92	5.03	0.94	2.34	0.93	21.54	27.48	17.80	13.93	8.41	WET	WET	NORM	NORM	NORM
2008	1.46	2.19	1.89	4.97	5.98	1.90	3.37	11.51	20.88	29.77	22.63	19.89	NORM	NORM	WET	WET	WET
2009	1.53	1.84	1.57	4.73	5.26	3.77	1.59	9.92	19.17	26.81	26.56	17.57	NORM	NORM	WET	WET	WET
2010	1.34	1.40	5.66	2.96	1.20	0.79	5.05	21.12	21.60	15.18	7.73	17.93	WET	NORM	NORM	DRY	WET
2011	1.75	2.47	2.56	5.91	4.71	2.28	1.29	14.37	25.32	28.51	22.17	13.14	NORM	WET	WET	WET	NORM
2012	0.07	3.63	2.19	1.58	1.55	1.68	0.00	13.90	12.75	10.00	9.72	4.91	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.04	1.26
April	1.12	2.06	2.51
May	2.09	3.06	3.65
June	2.25	3.38	4.04
July	1.71	2.80	3.39
August	1.57	2.42	2.91
Sept.	0.67	1.59	1.93
Jun-MAM	9.11	14.34	17.23
Jul-JMA	12.05	18.32	21.93
Aug-JJM	11.72	18.22	21.90
Sep-AJJ	10.38	16.24	19.55
Oct-SAJ	6.86	12.41	15.00

Normals are for 1971-2000 data

March	1.04
April	2.06
May	3.06
June	3.38
July	2.80
August	2.42
Sept.	1.59

NOTE:
Ipswich NWS Station (SD4206) was used for March - Sept. 1980-88 and March - July 1989.

Rainfall Data
Selby
Station #SD7545
Walworth County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.32	0.90	0.54	2.39	1.67	2.16	1.32	3.74	9.15	10.33	12.21	9.95	DRY	DRY	NORM	NORM	NORM
1981	0.64	0.56	1.58	4.62	4.97	2.65	1.26	6.50	17.58	25.73	22.51	14.05	DRY	NORM	WET	WET	WET
1982	2.24	1.88	3.08	1.53	1.55	0.48	0.93	15.24	12.63	10.79	6.07	5.30	WET	NORM	NORM	DRY	DRY
1983	1.72	1.44	1.51	3.14	4.94	2.59	2.23	9.13	13.88	22.61	20.79	16.81	NORM	NORM	WET	WET	WET
1984	1.31	3.00	1.49	5.47	1.19	0.68	1.23	11.78	22.39	16.00	9.89	6.24	NORM	WET	NORM	NORM	NORM
1985	2.19	0.70	1.05	1.84	1.04	3.39	2.86	6.74	8.32	7.85	14.09	16.40	DRY	DRY	DRY	NORM	WET
1986	0.48	4.23	5.62	1.21	5.88	3.05	2.65	25.80	19.10	25.68	22.12	19.93	WET	NORM	WET	WET	WET
1987	1.46	0.05	3.52	1.98	2.19	2.86	0.64	12.12	13.03	14.05	14.94	9.83	NORM	NORM	NORM	NORM	NORM
1988	0.17	0.57	1.98	1.24	1.31	1.75	0.87	7.25	8.25	8.39	9.11	7.42	NORM	DRY	DRY	NORM	NORM
1989	1.78	5.63	0.69	1.02	2.63	2.90	1.09	15.11	10.07	10.62	14.98	11.70	WET	NORM	NORM	NORM	NORM
1990	0.97	1.10	1.68	5.00	2.33	3.87	2.55	8.21	19.46	18.67	21.27	17.72	NORM	WET	NORM	WET	WET
1991	0.44	3.11	5.67	3.58	1.14	0.71	0.22	23.67	25.19	16.25	7.99	3.22	WET	WET	NORM	DRY	DRY
1992	0.43	0.36	1.75	4.75	4.70	3.42	0.45	6.40	18.11	25.35	24.41	12.89	DRY	NORM	WET	WET	NORM
1993	0.30	1.00	2.24	5.82	5.98	0.84	0.99	9.02	22.94	31.82	20.30	10.63	NORM	WET	WET	WET	NORM
1994	0.40	1.70	1.02	1.50	3.66	1.01	0.34	6.86	8.24	15.00	11.85	6.70	DRY	DRY	NORM	NORM	NORM
1995	1.36	3.10	3.29	3.13	3.09	1.97	1.16	17.43	19.07	18.82	15.22	10.51	WET	NORM	NORM	NORM	NORM
1996	0.73	0.91	2.95	4.37	2.13	1.56	4.43	11.40	19.92	18.08	13.31	18.54	NORM	WET	NORM	NORM	WET
1997	0.46	3.15	2.32	3.05	2.71	0.80	1.16	13.72	16.94	16.55	10.87	7.79	NORM	NORM	NORM	NORM	NORM
1998	0.70	0.65	1.60	2.58	2.26	4.54	0.34	6.80	11.59	13.54	20.72	12.36	DRY	NORM	NORM	WET	NORM
1999	0.48	1.97	4.67	2.88	2.35	2.71	4.49	18.43	19.95	17.48	15.71	21.24	WET	WET	NORM	NORM	WET
2000	2.37	1.80	3.36	4.84	2.76	3.22	0.35	16.05	23.04	21.32	20.02	10.25	WET	WET	WET	WET	NORM
2001	0.08	2.59	2.76	3.18	4.31	0.43	1.58	13.54	17.65	22.05	13.09	9.91	NORM	NORM	WET	NORM	NORM
2002	0.57	0.84	0.91	1.78	3.75	1.06	0.93	4.98	8.00	15.72	12.46	8.66	DRY	DRY	NORM	NORM	NORM
2003	0.81	2.44	3.07	2.25	1.07	0.57	1.04	14.90	15.33	10.78	6.10	5.33	NORM	NORM	NORM	DRY	DRY
2004	1.37	0.88	3.90	3.00	1.25	1.92	4.18	14.83	17.68	13.65	11.26	17.63	NORM	NORM	NORM	NORM	WET
2005	0.28	1.02	2.54	6.78	0.86	2.46	0.55	9.94	26.44	18.68	15.88	7.43	NORM	WET	NORM	NORM	NORM
2006	0.07	0.22	0.83	1.28	1.61	2.60	3.05	3.00	5.72	8.22	12.30	15.96	DRY	DRY	DRY	NORM	WET
2007	2.68	1.25	3.77	5.56	1.87	4.56	2.20	16.49	25.47	20.50	22.98	17.59	WET	WET	WET	WET	WET
2008	0.46	0.60	1.47	5.01	1.78	3.22	3.23	6.07	18.57	16.83	18.23	17.91	DRY	NORM	NORM	WET	WET
2009	0.91	1.07	1.08	2.28	2.30	1.85	0.00	6.29	10.07	12.54	12.43	6.00	DRY	NORM	NORM	NORM	NORM
2010	0.00	2.58	4.33	1.64	1.07	0.36	2.21	18.15	16.16	10.82	4.86	8.42	WET	NORM	NORM	DRY	NORM
2011	1.10	2.36	1.52	5.60	1.49	4.44	0.72	10.38	22.20	17.19	21.90	12.53	NORM	WET	NORM	WET	NORM
2012	0.32	2.21	3.18	2.35	1.93	2.82	0.00	14.28	15.62	13.67	14.67	7.57	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.52	1.09	1.33
April	0.93	1.85	2.26
May	1.61	2.55	3.08
June	1.96	3.03	3.65
July	1.41	2.54	3.09
August	1.38	2.14	2.57
Sept.	0.55	1.30	1.58
Jun-MAM	7.21	12.44	15.09
Jul-JMA	10.03	16.04	19.37
Aug-JJM	9.76	16.23	19.65
Sep-AJJ	8.92	14.53	17.54
Oct-SAJ	5.82	10.72	12.97

Normals are for 1971-2000 data

March	1.09
April	1.85
May	2.55
June	3.03
July	2.54
August	2.14
Sept.	1.30

NOTE:
Mobridge 2 NNW NWS Station (SD5691) was used for June 2008.

Rainfall Data
Sioux Falls AP
Station #SD7667
Minnehaha County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.70	0.77	2.52	2.17	1.63	2.92	0.79	9.80	12.32	11.75	14.19	9.84	DRY	DRY	DRY	NORM	NORM
1981	1.86	0.58	0.61	3.90	3.89	2.28	0.50	4.85	13.50	20.08	18.52	9.95	DRY	NORM	NORM	NORM	NORM
1982	1.17	1.87	4.72	1.18	4.60	5.23	3.49	19.07	14.85	20.88	26.07	25.53	NORM	NORM	NORM	WET	WET
1983	3.35	2.88	2.92	6.75	1.82	2.00	1.92	17.87	28.97	21.88	16.39	11.58	NORM	WET	NORM	NORM	NORM
1984	1.83	5.79	2.95	8.43	1.63	0.76	1.62	22.26	36.98	24.70	13.97	8.01	WET	WET	WET	NORM	DRY
1985	2.37	5.18	3.29	2.52	2.70	4.07	3.34	22.60	19.32	16.43	20.13	20.86	WET	NORM	NORM	NORM	WET
1986	1.50	5.15	2.42	3.93	2.59	2.77	9.26	19.06	21.78	18.05	17.42	35.91	NORM	NORM	NORM	NORM	WET
1987	3.27	0.28	2.94	1.78	3.16	1.36	2.05	12.65	11.50	15.98	12.18	12.03	NORM	DRY	NORM	NORM	NORM
1988	0.63	3.00	1.54	0.91	0.49	4.02	4.39	11.25	8.81	4.83	13.95	21.70	NORM	DRY	DRY	NORM	WET
1989	1.07	1.59	1.42	2.50	1.37	2.46	3.38	8.51	11.93	10.53	12.62	16.43	DRY	DRY	DRY	NORM	NORM
1990	1.57	1.86	4.07	4.86	1.77	1.17	0.47	17.50	24.58	19.10	11.91	5.52	NORM	WET	NORM	NORM	DRY
1991	0.86	2.21	6.20	6.36	2.26	1.41	3.95	23.88	33.69	25.70	15.11	16.93	WET	WET	WET	NORM	NORM
1992	2.36	2.01	1.80	2.44	8.41	5.29	3.06	11.78	12.93	31.91	35.13	28.17	NORM	NORM	WET	WET	WET
1993	2.04	2.61	8.26	6.43	7.86	3.10	1.88	32.04	38.42	44.70	31.45	19.70	WET	WET	WET	WET	NORM
1994	0.20	3.34	1.26	6.03	1.70	2.66	2.36	10.66	23.95	18.42	17.41	14.10	NORM	NORM	NORM	NORM	NORM
1995	4.06	5.83	4.76	2.70	2.55	5.11	1.86	30.00	23.45	17.81	23.13	18.35	WET	NORM	NORM	WET	NORM
1996	0.82	0.55	5.27	1.14	0.96	1.79	2.82	17.73	14.51	10.43	8.43	13.00	NORM	NORM	DRY	DRY	NORM
1997	0.23	2.43	3.58	3.77	2.94	1.58	1.59	15.83	20.90	19.94	14.39	10.87	NORM	NORM	NORM	NORM	NORM
1998	4.08	3.57	1.92	4.52	2.66	3.29	1.19	16.98	20.97	18.94	19.71	12.81	NORM	NORM	NORM	NORM	NORM
1999	1.15	4.32	6.20	2.57	4.81	0.80	0.84	28.39	24.43	25.77	14.59	8.93	WET	WET	WET	NORM	DRY
2000	0.91	2.27	5.56	3.26	3.22	3.17	1.34	22.13	23.17	21.74	19.21	13.58	WET	NORM	NORM	NORM	NORM
2001	0.78	6.97	1.92	3.13	5.88	1.37	2.25	20.48	20.20	25.82	19.00	15.37	NORM	NORM	WET	NORM	NORM
2002	1.41	2.29	1.82	2.57	1.80	8.26	1.39	11.45	13.64	12.36	30.95	22.49	NORM	NORM	NORM	WET	WET
2003	0.22	3.69	2.64	3.54	1.64	1.82	4.74	15.52	19.59	14.64	12.28	19.50	NORM	NORM	NORM	NORM	NORM
2004	2.03	1.28	8.10	6.00	1.40	3.58	5.12	28.89	35.48	24.30	19.54	23.92	WET	WET	WET	NORM	WET
2005	1.53	3.33	5.22	3.72	4.59	1.36	4.76	23.85	24.93	26.43	16.98	21.59	WET	WET	WET	NORM	WET
2006	2.67	6.17	1.02	3.81	0.68	4.33	3.88	18.07	19.64	10.68	18.16	20.98	NORM	NORM	DRY	NORM	WET
2007	4.97	1.93	2.63	3.98	0.32	6.18	2.27	16.72	19.13	11.55	23.16	19.49	NORM	NORM	DRY	WET	NORM
2008	1.34	2.68	3.34	3.95	2.52	1.91	1.78	16.72	21.21	18.80	14.72	11.68	NORM	NORM	NORM	NORM	NORM
2009	1.31	1.95	1.43	3.07	3.71	1.93	1.21	9.50	14.02	18.70	16.28	11.20	DRY	NORM	NORM	NORM	NORM
2010	1.02	2.65	2.03	7.83	8.55	6.26	4.46	12.41	30.20	43.34	43.71	34.45	NORM	WET	WET	WET	WET
2011	0.74	3.09	5.42	4.26	5.76	1.40	0.20	23.18	26.71	31.22	19.98	9.16	WET	WET	WET	NORM	DRY
2012	0.77	2.40	4.60	0.74	0.24	1.75	1.14	19.37	13.82	6.80	6.47	7.16	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.99	1.81	2.20
April	1.59	2.65	3.21
May	2.09	3.39	4.11
June	2.24	3.49	4.20
July	1.79	2.93	3.55
August	1.80	3.01	3.65
Sept.	1.40	2.58	3.15
Jun-MAM	10.44	17.28	20.95
Jul-JMA	12.49	19.90	24.03
Aug-JJM	11.94	19.16	23.16
Sep-AJJ	11.22	18.38	22.25
Oct-SAJ	9.59	16.69	20.30

Normals are for 1971-2000 data

March	1.81
April	2.65
May	3.39
June	3.49
July	2.93
August	3.01
Sept.	2.58

Rainfall Data
Sisseton
Station #SD7742
Roberts County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.70	0.56	0.90	3.17	1.71	5.25	0.37	4.52	11.87	12.37	22.34	13.32	DRY	NORM	NORM	WET	NORM
2	1981	1.32	1.11	3.31	3.31	3.20	1.47	0.53	13.47	17.66	19.53	14.12	7.73	NORM	NORM	NORM	NORM	DRY
3	1982	2.02	0.16	3.69	0.67	2.25	0.98	2.51	13.41	9.55	11.78	8.11	11.74	NORM	NORM	NORM	DRY	NORM
4	1983	2.70	0.41	0.43	2.22	1.62	5.06	1.84	4.81	7.93	9.73	20.64	17.26	DRY	DRY	DRY	NORM	WET
5	1984	2.01	2.79	1.09	6.61	2.33	3.33	1.21	10.86	24.80	21.30	21.26	12.62	NORM	WET	NORM	WET	NORM
6	1985	1.08	1.37	3.58	2.44	1.82	2.66	2.17	14.56	15.85	13.92	14.06	13.65	NORM	NORM	NORM	NORM	NORM
7	1986	0.74	7.30	3.08	3.53	6.51	2.91	4.96	24.58	24.05	29.67	25.28	27.21	WET	WET	WET	WET	WET
8	1987	1.88	0.18	2.89	0.64	2.79	1.38	2.31	10.91	7.88	12.54	10.36	12.48	NORM	DRY	NORM	DRY	NORM
9	1988	0.62	0.47	3.90	1.57	1.27	4.44	3.88	13.26	12.98	10.85	17.43	21.79	NORM	NORM	NORM	NORM	WET
10	1989	1.90	2.52	0.75	1.51	3.67	6.03	2.94	9.19	8.55	14.78	26.94	24.55	NORM	DRY	NORM	WET	WET
11	1990	1.45	2.55	1.33	3.86	2.45	3.19	2.69	10.54	16.79	16.40	18.33	16.90	NORM	NORM	NORM	NORM	NORM
12	1991	1.16	4.46	4.60	6.91	4.79	1.86	2.74	23.88	34.39	32.79	22.07	16.73	WET	WET	WET	WET	NORM
13	1992	0.88	1.27	1.25	5.50	2.66	1.34	2.13	7.17	20.27	20.23	14.84	11.73	DRY	NORM	NORM	NORM	NORM
14	1993	1.20	1.58	4.34	5.50	8.25	1.93	2.11	17.38	26.76	40.09	27.79	18.44	WET	WET	WET	WET	WET
15	1994	0.48	3.65	2.12	1.26	5.85	1.47	2.29	14.14	11.67	22.19	17.37	15.66	NORM	NORM	NORM	NORM	NORM
16	1995	4.38	2.08	4.08	1.73	4.22	3.61	3.66	20.78	15.43	20.20	21.00	22.42	WET	NORM	NORM	WET	WET
17	1996	0.91	0.15	4.51	3.55	3.33	0.60	3.94	14.74	19.82	21.60	12.01	16.35	NORM	NORM	NORM	NORM	NORM
18	1997	0.91	2.60	1.55	0.91	4.41	2.08	0.41	10.76	8.43	16.60	15.97	9.80	NORM	DRY	NORM	NORM	NORM
19	1998	2.06	2.91	5.51	3.59	1.88	2.77	0.00	24.41	24.70	18.33	15.66	7.42	WET	WET	NORM	NORM	DRY
20	1999	1.28	1.45	2.41	4.54	2.20	4.09	2.75	11.41	19.89	18.09	21.21	18.63	NORM	NORM	NORM	WET	WET
21	2000	1.82	3.34	1.25	2.91	4.68	1.28	0.92	12.25	14.57	21.11	16.11	10.00	NORM	NORM	NORM	NORM	NORM
22	2001	0.30	4.31	3.36	2.55	4.16	0.92	2.67	19.00	18.68	20.94	13.63	14.01	WET	NORM	NORM	NORM	NORM
23	2002	1.32	2.05	3.69	4.21	4.85	3.16	1.17	16.49	22.06	26.66	23.39	14.68	NORM	WET	WET	WET	NORM
24	2003	0.63	2.82	4.01	6.93	3.48	0.55	1.90	18.30	31.63	28.31	15.54	10.28	WET	WET	WET	NORM	NORM
25	2004	1.26	1.23	4.57	2.83	4.49	1.01	6.42	17.43	18.86	23.70	14.84	25.77	WET	NORM	WET	NORM	WET
26	2005	0.1	1.23	4.26	8.54	4.11	2.87	4.26	15.34	35.37	33.67	25.37	22.63	NORM	WET	WET	WET	WET
27	2006	1.55	3.90	2.02	1.60	1.03	6.32	4.70	15.41	12.74	8.31	22.62	27.77	NORM	NORM	DRY	WET	WET
28	2007	3.22	3.47	4.19	4.85	1.65	1.99	3.15	22.73	26.40	18.84	14.12	15.08	WET	WET	NORM	NORM	NORM
29	2008	1.36	2.06	1.69	6.45	3.53	1.35	4.58	10.55	24.79	25.18	17.56	19.97	NORM	WET	WET	NORM	WET
30	2009	2.62	1.70	0.94	3.11	1.49	4.16	2.45	8.84	12.91	11.63	18.57	17.16	NORM	NORM	NORM	NORM	NORM
31	2010	1.96	2.29	2.41	3.45	1.93	2.79	5.44	13.77	17.46	15.10	15.68	23.83	NORM	NORM	NORM	NORM	WET
32	2011	1.73	1.71	3.69	3.92	7.33	2.14	0.44	16.22	20.85	33.52	25.00	12.93	NORM	NORM	WET	WET	NORM
33	2012	0.81	5.06	1.46	2.58	2.23	1.20	0.18	15.31	15.72	13.31	10.64	5.17	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.94	1.53	1.85
April	0.95	2.04	2.49
May	1.56	2.76	3.36
June	1.77	3.30	4.03
July	1.88	3.13	3.79
August	1.67	2.59	3.12
Sept.	0.84	1.95	2.40
Jun-MAM	7.52	13.89	16.91
Jul-JMA	9.38	17.46	21.30
Aug-JJM	10.74	18.75	22.79
Sep-AJJ	10.54	17.33	20.97
Oct-SAJ	7.74	14.16	17.23

Normals are for 1971-2000 data

March	1.53
April	2.04
May	2.76
June	3.30
July	3.13
August	2.59
Sept.	1.95

NOTE:
Wilmot 1 ENE NWS Station (SD9337) was used for March 1980.

Rainfall Data
Spearfish
Station #SD7882
Lawrence County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.49	1.71	2.77	3.03	0.75	1.98	0.86	13.22	16.34	11.08	10.47	7.29	NORM	NORM	NORM	NORM	NORM
1981	0.32	0.57	3.66	4.32	4.20	1.21	1.73	12.44	20.85	24.90	16.35	11.81	NORM	NORM	WET	WET	NORM
1982	2.70	2.38	14.11	2.83	2.08	2.05	2.91	49.79	39.09	26.01	13.14	14.91	WET	WET	WET	NORM	WET
1983	0.51	2.87	2.25	1.34	1.12	1.52	0.49	13.00	11.39	8.29	8.14	5.63	NORM	DRY	DRY	NORM	NORM
1984	0.82	5.66	1.66	8.95	0.80	2.12	0.97	17.12	35.83	21.96	16.91	7.95	NORM	WET	WET	WET	NORM
1985	2.56	1.22	1.18	2.44	0.96	0.50	1.68	8.54	10.90	8.94	5.86	7.00	DRY	DRY	DRY	DRY	NORM
1986	0.75	5.95	2.08	4.41	3.20	0.62	4.52	18.89	23.34	20.50	12.67	18.00	NORM	NORM	NORM	NORM	WET
1987	1.79	0.37	4.38	0.70	1.88	3.21	0.81	15.67	11.23	11.42	14.09	10.73	NORM	DRY	NORM	NORM	NORM
1988	2.60	0.05	3.64	2.61	0.81	0.38	4.04	13.62	15.16	11.29	5.37	13.69	NORM	NORM	NORM	DRY	WET
1989	1.85	3.01	1.91	2.87	3.25	1.29	2.50	13.60	15.44	17.40	13.24	13.33	NORM	NORM	NORM	NORM	WET
1990	0.69	2.67	2.96	1.14	3.33	0.22	0.21	14.91	12.01	15.23	8.46	4.40	NORM	DRY	NORM	NORM	DRY
1991	0.63	1.80	4.94	3.56	0.78	0.96	0.61	19.05	22.36	14.40	8.00	4.53	NORM	NORM	NORM	NORM	DRY
1992	1.59	1.81	2.02	3.61	2.78	1.14	0.91	11.27	16.68	17.58	12.59	7.79	NORM	NORM	NORM	NORM	NORM
1993	1.02	2.24	3.72	6.12	3.12	1.17	1.40	16.66	28.04	25.32	15.87	9.66	NORM	WET	WET	NORM	NORM
1994	0.64	2.31	1.05	0.74	3.18	1.20	0.58	8.41	6.63	12.07	10.70	7.32	DRY	DRY	NORM	NORM	NORM
1995	1.00	2.71	7.77	6.42	2.57	0.60	1.87	29.73	37.51	28.32	13.36	9.38	WET	WET	WET	NORM	NORM
1996	2.09	2.18	5.22	2.41	1.86	1.36	2.64	22.11	19.85	15.62	10.21	12.50	WET	NORM	NORM	NORM	WET
1997	0.95	2.57	4.09	2.58	2.76	1.68	1.31	18.36	18.49	17.53	13.14	10.05	NORM	NORM	NORM	NORM	NORM
1998	0.92	0.95	0.62	6.35	3.67	2.61	1.77	4.68	21.24	24.33	21.52	14.20	DRY	NORM	WET	WET	WET
1999	1.58	4.45	3.79	5.57	1.87	2.09	0.80	21.85	28.74	20.54	15.58	8.45	WET	WET	NORM	NORM	NORM
2000	2.19	5.42	4.58	3.11	2.38	1.04	1.44	26.77	23.91	17.94	10.99	8.78	WET	NORM	NORM	NORM	NORM
2001	1.54	1.57	1.49	4.07	3.63	0.18	0.41	9.15	16.76	20.52	11.87	5.22	DRY	NORM	NORM	NORM	DRY
2002	0.58	1.05	1.42	0.95	0.59	2.52	3.58	6.94	6.74	5.09	9.69	16.37	DRY	DRY	DRY	NORM	WET
2003	1.15	0.91	3.75	4.75	0.18	1.41	3.10	14.22	22.66	13.79	9.34	12.30	NORM	NORM	NORM	NORM	WET
2004	1.61	1.65	1.95	1.17	3.32	1.42	0.92	10.76	9.06	14.25	12.07	8.92	NORM	DRY	NORM	NORM	NORM
2005	0.73	2.54	4.23	2.81	1.01	2.35	0.9	18.50	19.43	12.88	11.88	8.41	NORM	NORM	NORM	NORM	NORM
2006	0.90	4.30	3.54	0.94	0.40	1.99	4.91	20.12	14.20	6.62	7.71	19.11	NORM	NORM	DRY	NORM	WET
2007	1.23	0.49	5.53	4.05	1.96	1.85	0.92	18.80	23.70	19.51	13.52	8.42	NORM	NORM	NORM	NORM	NORM
2008	1.08	2.21	9.55	8.28	2.86	2.05	1.28	34.15	46.15	34.69	20.15	10.80	WET	WET	WET	WET	NORM
2009	3.24	2.26	0.80	3.61	1.63	3.15	0.76	10.16	14.69	12.91	16.32	10.21	NORM	NORM	NORM	WET	NORM
2010	1.09	2.65	3.92	3.66	1.78	2.87	2.09	18.15	21.47	16.58	15.83	13.79	NORM	NORM	NORM	NORM	WET
2011	0.73	1.56	8.46	4.28	3.83	1.61	0.70	29.23	31.32	28.51	16.77	9.15	WET	WET	WET	WET	NORM
2012	0.18	2.58	2.48	1.31	0.98	1.24	0.00	12.78	11.47	8.04	6.99	3.46	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.79	1.40	1.7
April	1.36	2.46	3.00
May	2.15	3.57	4.33
June	2.23	3.82	4.64
July	1.41	2.20	2.64
August	0.88	1.68	2.05
Sept.	0.72	1.47	1.79
Jun-MAM	9.96	17.03	20.69
Jul-JMA	12.35	21.06	25.58
Aug-JJM	10.84	17.81	21.53
Sep-AJJ	7.69	13.26	16.07
Oct-SAJ	5.33	9.97	12.11

Normals are for 1971-2000 data

March	1.40
April	2.46
May	3.57
June	3.82
July	2.20
August	1.68
Sept.	1.47

NOTE:

Lead NWS Station (SD4834) was used for June 1983; Sept. 1984; March 1985; June 1988; March-May 1999; and April and July 2000.

Bear Ridge NWS Station (SD0554) was used for May and June 2011.

Rainfall Data
Stephan 2 NW
Station #SD7992
Hyde County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.33	0.39	0.90	3.70	0.90	3.75	0.00	3.81	13.29	11.00	16.75	8.40	DRY	NORM	NORM	NORM	NORM
1981	2.19	0.65	1.91	2.36	5.96	2.28	0.34	9.22	11.55	24.51	21.12	11.54	NORM	NORM	WET	WET	NORM
1982	3.93	0.94	5.76	1.36	4.12	3.81	1.67	23.09	16.54	20.84	21.03	16.75	WET	NORM	WET	WET	WET
1983	2.25	0.34	3.46	4.97	1.41	1.32	1.71	13.31	22.17	17.63	11.75	9.18	NORM	WET	NORM	NORM	NORM
1984	1.74	2.93	2.20	4.33	1.30	3.03	0.87	14.20	20.32	14.76	16.02	9.97	NORM	WET	NORM	NORM	NORM
1985	1.94	0.37	2.11	2.92	1.49	4.00	4.48	9.01	13.35	12.42	17.90	22.93	NORM	NORM	NORM	WET	WET
1986	0.66	5.44	2.61	4.85	1.73	1.34	3.90	19.37	25.21	17.50	12.33	16.11	WET	WET	NORM	NORM	WET
1987	1.25	0.41	1.30	1.73	1.24	2.43	1.51	5.97	8.20	8.48	11.50	10.63	DRY	DRY	DRY	NORM	NORM
1988	0.15	1.28	4.79	2.98	1.07	0.95	1.70	17.08	19.80	13.96	7.97	8.07	NORM	NORM	NORM	DRY	NORM
1989	1.25	2.49	0.64	1.45	2.82	0.37	3.33	8.15	8.12	12.00	8.20	13.55	NORM	DRY	NORM	NORM	NORM
1990	1.61	1.98	2.78	3.41	2.41	5.47	0.94	13.91	17.77	16.83	24.64	16.17	NORM	NORM	NORM	WET	WET
1991	0.61	3.96	6.03	4.85	0.87	0.55	1.29	26.62	30.57	18.34	8.24	5.84	WET	WET	NORM	NORM	NORM
1992	0.66	0.09	0.27	4.97	5.09	2.27	2.14	1.65	15.54	25.48	21.96	16.05	DRY	NORM	WET	WET	WET
1993	1.15	3.59	3.07	5.44	6.17	0.52	1.91	17.54	26.05	32.46	19.34	12.94	WET	WET	WET	WET	NORM
1994	0.13	1.41	0.75	2.62	2.33	1.05	1.10	5.20	10.77	12.98	10.43	7.73	DRY	NORM	NORM	NORM	NORM
1995	1.71	3.92	5.27	2.28	1.15	2.73	2.60	25.36	21.30	13.28	12.77	14.41	WET	WET	NORM	NORM	NORM
1996	0.92	1.05	5.85	0.82	4.03	0.92	7.06	20.57	15.21	19.58	11.64	27.05	WET	NORM	NORM	NORM	WET
1997	0.32	3.02	3.82	2.00	4.81	2.79	1.54	17.82	16.66	22.25	19.99	15.01	WET	NORM	WET	WET	WET
1998	2.39	1.48	2.91	5.75	3.49	2.26	0.06	14.08	24.55	24.88	19.51	8.19	NORM	WET	WET	WET	NORM
1999	0.93	2.57	7.62	3.93	2.33	2.52	3.39	28.93	29.60	22.47	16.15	17.54	WET	WET	WET	NORM	WET
2000	0.62	1.14	2.25	1.90	3.07	2.21	0.13	9.65	11.34	15.26	14.67	7.88	NORM	NORM	NORM	NORM	NORM
2001	0.37	4.13	2.54	2.93	3.81	0.05	2.55	16.25	18.00	19.83	10.70	11.56	NORM	NORM	NORM	NORM	NORM
2002	0.81	0.90	0.91	2.82	3.37	2.86	1.49	5.34	11.18	16.66	18.14	13.56	DRY	NORM	NORM	WET	NORM
2003	0.33	1.94	2.09	4.72	2.35	1.51	2.01	10.48	20.28	18.58	13.95	11.40	NORM	WET	NORM	NORM	NORM
2004	2.21	0.14	3.36	2.98	3.38	1.97	4.00	12.57	15.80	19.46	15.65	19.32	NORM	NORM	NORM	NORM	WET
2005	0.52	1.39	4.44	4.99	0.44	2.24	2.51	16.62	25.24	15.74	12.59	12.45	NORM	WET	NORM	NORM	NORM
2006	2.47	1.15	0.45	1.42	0.28	3.38	2.44	6.12	6.31	4.13	12.12	14.36	DRY	DRY	DRY	NORM	NORM
2007	2.20	1.67	4.69	3.50	0.24	3.37	0.66	19.61	21.55	12.41	14.09	8.96	WET	WET	NORM	NORM	NORM
2008	0.83	1.91	2.83	4.61	4.62	1.24	2.28	13.14	21.40	25.91	17.57	13.94	NORM	WET	WET	WET	NORM
2009	3.00	1.43	1.02	3.54	3.07	3.11	0.94	8.92	14.09	17.31	19.01	12.11	NORM	NORM	NORM	WET	NORM
2010	1.08	2.33	4.26	6.54	2.00	2.94	2.01	18.52	30.47	23.34	19.36	13.91	WET	WET	WET	WET	NORM
2011	0.78	2.07	2.50	6.88	2.76	0.89	0.66	12.42	27.71	24.54	15.07	6.52	NORM	WET	WET	NORM	NORM
2012	0.00	5.25	1.87	2.86	0.74	0.17	0.00	16.11	17.57	9.81	4.85	1.08	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.55	1.31	1.60
April	0.99	1.98	2.42
May	1.60	2.95	3.59
June	1.95	2.62	3.54
July	1.55	2.07	3.18
August	1.02	1.77	2.53
Sept.	0.63	1.75	2.18
Jun-MAM	7.33	14.12	17.21
Jul-JMA	10.04	15.74	20.22
Aug-JJM	10.15	14.40	20.21
Sep-AJJ	8.11	12.07	17.49
Oct-SAJ	5.48	10.86	14.78

Normals are for 1971-2000 data

March	1.31
April	1.98
May	2.95
June	2.62
July	2.07
August	1.77
Sept.	1.75

NOTE:
District average was used for Sept. 1999.
Lake Sharpe Project NWS Station (SD4766) was used for March-June 2010; Sept. 2011.

Rainfall Data
Summit 1 W
Station #SD8116
Roberts County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.63	0.43	1.91	5.21	3.90	3.24	0.38	7.22	19.88	24.03	22.73	11.52	DRY	NORM	NORM	NORM	NORM
1981	0.98	0.53	2.05	4.96	5.87	1.13	0.37	8.19	19.51	29.58	20.09	9.24	DRY	NORM	WET	NORM	DRY
1982	1.31	0.37	3.27	0.85	6.69	1.52	2.51	11.86	9.46	25.04	18.79	17.26	NORM	DRY	NORM	NORM	NORM
1983	2.72	1.20	1.03	3.84	4.12	4.03	2.54	8.21	14.78	21.07	24.17	19.80	DRY	NORM	NORM	NORM	WET
1984	2.08	3.56	1.77	7.10	1.51	3.60	1.16	14.51	28.40	20.50	20.92	12.19	NORM	WET	NORM	NORM	NORM
1985	3.00	1.30	2.03	1.75	3.99	4.72	4.55	11.69	10.61	17.50	23.89	27.08	NORM	DRY	NORM	NORM	WET
1986	1.55	6.56	3.89	5.54	4.00	3.89	4.69	26.34	30.96	26.97	25.21	25.85	WET	WET	WET	WET	WET
1987	2.14	0.58	2.41	0.93	3.75	1.81	1.87	10.53	8.19	15.52	13.86	12.98	NORM	DRY	NORM	NORM	NORM
1988	0.43	0.62	3.53	1.63	1.21	4.61	3.49	12.26	12.57	10.42	17.88	20.90	NORM	NORM	DRY	NORM	WET
1989	1.13	3.62	1.29	2.09	2.78	4.85	3.76	12.24	12.47	13.81	22.20	23.76	NORM	NORM	NORM	NORM	WET
1990	1.51	1.89	2.01	5.14	2.57	3.20	1.28	11.32	21.33	20.00	19.88	12.81	NORM	NORM	NORM	NORM	NORM
1991	1.33	4.94	4.62	6.53	3.63	4.61	2.65	25.07	33.77	28.57	27.62	20.80	WET	WET	WET	WET	WET
1992	0.73	1.23	0.53	6.89	2.57	1.10	3.38	4.78	22.96	22.02	15.33	14.91	DRY	WET	NORM	NORM	NORM
1993	0.96	2.06	3.10	6.89	9.29	1.50	2.49	14.38	28.93	44.75	29.97	19.76	NORM	WET	WET	WET	WET
1994	0.36	2.81	2.03	3.15	9.01	2.79	2.32	12.07	16.32	35.36	29.54	21.55	NORM	NORM	WET	WET	WET
1995	2.25	2.90	4.50	3.35	6.96	6.86	2.78	21.55	21.95	32.08	37.85	29.02	WET	NORM	WET	WET	WET
1996	0.56	0.11	4.85	3.00	3.86	1.69	3.47	15.33	18.81	22.43	15.79	17.65	NORM	NORM	NORM	NORM	NORM
1997	1.31	2.23	1.22	0.59	5.22	3.99	1.64	9.43	6.44	18.06	23.00	18.12	NORM	DRY	NORM	NORM	NORM
1998	1.90	1.40	4.31	2.66	1.35	4.76	0.05	17.63	18.00	13.68	19.64	11.02	WET	NORM	NORM	NORM	NORM
1999	1.19	2.05	3.46	4.69	3.05	3.77	2.75	15.67	23.04	21.99	22.10	18.84	NORM	WET	NORM	NORM	NORM
2000	0.62	2.24	1.71	2.40	4.77	0.99	1.36	10.23	12.86	20.82	14.91	10.83	NORM	NORM	NORM	NORM	NORM
2001	0.02	4.99	3.13	5.03	3.79	0.34	3.08	19.39	26.34	24.56	13.63	13.71	WET	WET	NORM	NORM	NORM
2002	0.60	2.55	2.62	3.96	3.44	4.25	0.73	13.56	19.67	20.86	23.59	14.13	NORM	NORM	NORM	NORM	NORM
2003	0.22	1.25	3.49	4.81	2.18	1.31	2.16	13.19	22.66	19.65	13.10	11.28	NORM	NORM	NORM	DRY	NORM
2004	0.71	1.88	5.24	3.26	3.49	1.46	7.96	20.19	22.14	22.23	14.62	30.29	WET	NORM	NORM	NORM	WET
2005	0.08	1.01	4.09	5.93	2.24	4.27	2.48	14.37	26.98	22.67	23.22	18.22	NORM	WET	NORM	NORM	NORM
2006	0.22	2.58	2.23	3.12	0.40	2.62	6.61	12.07	16.40	9.67	11.78	25.47	NORM	NORM	DRY	DRY	WET
2007	3.02	4.18	3.23	2.71	2.20	2.11	6.87	21.07	18.77	15.25	13.44	27.03	WET	NORM	NORM	DRY	WET
2008	0.93	1.54	2.09	6.43	3.96	2.28	3.31	10.28	25.01	26.83	21.19	18.45	NORM	WET	WET	NORM	NORM
2009	1.87	0.68	1.05	2.94	3.91	5.76	3.16	6.38	11.60	18.66	28.04	24.91	DRY	NORM	NORM	WET	WET
2010	0.40	1.65	3.24	3.99	3.33	2.62	4.76	13.42	20.10	21.21	18.51	22.85	NORM	NORM	NORM	NORM	WET
2011	1.95	1.04	5.22	3.25	5.46	0.78	0.70	19.69	21.23	28.10	16.51	9.12	WET	NORM	WET	NORM	DRY
2012	0.93	3.68	2.96	2.19	1.42	1.64	0.02	17.17	16.17	11.60	9.95	4.76	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.68	1.44	1.76
April	1.12	2.03	2.48
May	1.78	2.83	3.42
June	2.05	3.65	4.45
July	2.26	3.64	4.40
August	2.31	3.23	3.81
Sept.	0.90	2.06	2.51
Jun-MAM	8.26	13.99	16.98
Jul-JMA	10.83	18.64	22.67
Aug-JJM	12.66	21.05	25.52
Sep-AJJ	13.50	20.62	24.68
Oct-SAJ	9.58	16.28	19.55

Normals are for 1971-2000 data

March	1.44
April	2.03
May	2.83
June	3.65
July	3.64
August	3.23
Sept.	2.06

NOTE:
Wilmot 1 ENE NWS Station (SD9337) was used for June-Sept. 1981 and March-June 1982.

Rainfall Data
Timber Lake
Station #SD8307
Dewey County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.35	1.00	1.22	2.09	1.54	3.31	1.12	6.01	9.71	10.02	15.10	11.52	DRY	DRY	DRY	NORM	NORM
1981	0.18	0.07	1.85	3.42	3.15	5.21	1.64	5.87	14.03	18.14	25.35	18.49	DRY	NORM	NORM	WET	WET
1982	2.62	1.22	9.53	2.74	1.78	0.67	0.63	33.65	28.50	20.35	8.31	5.01	WET	WET	WET	NORM	DRY
1983	2.03	0.75	3.91	1.28	3.97	1.63	1.41	15.26	12.41	18.38	14.11	11.46	NORM	NORM	NORM	NORM	NORM
1984	1.42	4.22	0.52	4.77	0.71	0.50	1.27	11.42	19.57	12.19	7.69	5.52	NORM	NORM	NORM	DRY	NORM
1985	1.61	1.62	1.39	1.95	1.71	3.65	1.64	9.02	10.25	10.42	16.32	13.93	NORM	DRY	NORM	NORM	WET
1986	0.60	4.18	4.96	1.51	2.85	0.83	2.39	23.84	18.63	16.53	9.70	11.68	WET	NORM	NORM	NORM	NORM
1987	1.73	0.02	5.15	1.75	2.36	5.34	0.52	17.22	15.57	15.73	22.49	14.60	WET	NORM	NORM	WET	WET
1988	0.34	1.49	2.49	5.08	0.18	0.67	0.60	10.79	21.71	13.19	7.45	3.32	NORM	WET	NORM	DRY	DRY
1989	2.65	4.06	0.73	1.01	3.53	1.38	1.31	12.96	8.55	13.34	12.21	10.22	NORM	DRY	NORM	NORM	NORM
1990	0.31	1.14	1.10	4.34	2.35	1.77	1.03	5.89	16.36	16.83	14.35	8.98	DRY	NORM	NORM	NORM	NORM
1991	0.67	2.94	4.80	2.38	0.96	1.08	0.46	20.95	19.68	12.44	7.54	4.50	WET	NORM	NORM	DRY	DRY
1992	0.75	0.41	1.28	2.82	3.94	0.95	1.01	5.41	11.43	18.74	13.55	8.87	DRY	NORM	NORM	NORM	NORM
1993	0.41	0.95	2.17	6.34	6.11	0.59	0.79	8.82	24.31	33.18	20.33	9.66	NORM	WET	WET	WET	NORM
1994	0.91	1.87	0.62	2.33	3.98	1.10	0.61	6.51	10.10	17.22	13.59	8.01	DRY	DRY	NORM	NORM	NORM
1995	2.34	3.00	4.81	6.51	5.34	1.40	0.80	22.77	32.15	33.85	21.39	10.54	WET	WET	WET	WET	NORM
1996	1.17	1.66	4.01	2.80	3.06	1.87	4.88	16.52	18.08	18.79	14.53	21.44	NORM	NORM	NORM	NORM	WET
1997	0.48	3.02	1.67	2.95	3.18	1.13	0.70	11.53	15.21	17.11	12.70	7.54	NORM	NORM	NORM	NORM	NORM
1998	0.33	1.01	0.81	5.51	2.06	3.25	0.41	4.78	19.16	18.01	19.38	9.79	DRY	NORM	NORM	WET	NORM
1999	0.19	2.05	5.57	6.69	1.80	3.02	2.94	21.00	33.26	24.35	19.35	16.66	WET	WET	WET	WET	WET
2000	3.30	2.14	2.41	3.57	2.91	0.16	0.40	14.81	17.67	18.28	9.87	4.43	NORM	NORM	NORM	NORM	DRY
2001	0.20	2.23	2.45	3.33	2.98	0.42	1.65	12.01	17.12	18.05	10.55	8.77	NORM	NORM	NORM	NORM	NORM
2002	0.39	0.92	0.63	1.42	1.66	1.88	0.67	4.12	6.44	8.45	10.38	7.43	DRY	DRY	DRY	NORM	NORM
2003	0.97	1.48	1.92	2.65	1.96	0.56	1.39	9.69	13.27	13.10	8.25	7.25	NORM	NORM	NORM	NORM	NORM
2004	1.44	0.38	2.03	2.57	1.95	1.32	3.35	8.29	12.15	13.02	10.43	14.64	NORM	NORM	NORM	NORM	WET
2005	0.83	1.45	3.89	3.29	1.1	1.29	0.74	15.40	19.10	13.77	9.36	5.90	NORM	NORM	NORM	NORM	NORM
2006	0.70	1.11	0.48	0.63	0.88	1.27	3.23	4.36	3.96	4.38	6.20	13.11	DRY	DRY	DRY	DRY	WET
2007	2.93	1.79	2.46	3.03	2.21	2.96	0.89	13.89	15.80	15.15	16.33	10.80	NORM	NORM	NORM	NORM	NORM
2008	0.74	1.21	5.50	6.90	4.42	2.59	1.41	19.66	32.91	32.56	23.51	13.83	WET	WET	WET	WET	WET
2009	1.47	1.25	1.36	3.83	2.68	1.91	1.02	8.05	15.46	17.06	14.92	9.56	NORM	NORM	NORM	NORM	NORM
2010	0.81	1.64	4.77	1.63	2.91	1.04	3.29	18.40	16.07	16.76	10.57	14.86	WET	NORM	NORM	NORM	WET
2011	1.69	2.68	3.27	6.19	2.12	2.64	0.41	16.86	27.79	22.01	18.35	8.63	NORM	WET	WET	WET	NORM
2012	0.49	3.17	2.88	2.50	2.01	0.68	0.05	15.47	16.43	13.91	8.56	3.52	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.57	1.20	1.47
April	0.84	1.96	2.39
May	1.59	2.90	3.54
June	2.13	3.17	3.80
July	1.46	2.46	2.98
August	0.96	1.89	2.31
Sept.	0.60	1.26	1.54
Jun-MAM	7.02	13.82	16.87
Jul-JMA	10.41	17.27	20.87
Aug-JJM	10.23	16.62	20.08
Sep-AJJ	7.93	13.76	16.69
Oct-SAJ	5.18	10.02	12.22

Normals are for 1971-2000 data

March	1.20
April	1.96
May	2.90
June	3.17
July	2.46
August	1.89
Sept.	1.26

Rainfall Data
Tyndall
Station #SD8472
Bon Homme County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.66	1.00	1.05	1.71	1.53	4.56	0.29	5.81	8.23	9.06	18.45	11.52	DRY	DRY	DRY	NORM	NORM
2	1981	1.76	0.54	1.63	2.68	7.01	2.02	1.19	7.73	11.84	28.02	22.76	14.62	DRY	DRY	WET	WET	NORM
3	1982	0.68	1.19	10.27	2.42	2.59	1.72	0.82	33.87	28.99	22.88	12.76	8.49	WET	WET	NORM	NORM	DRY
4	1983	2.69	1.47	2.55	3.82	5.55	0.31	1.76	13.28	18.03	26.84	15.85	11.45	NORM	NORM	WET	NORM	NORM
5	1984	1.44	6.22	4.09	9.02	2.50	2.01	0.99	26.15	41.46	29.63	20.05	9.49	WET	WET	WET	NORM	NORM
6	1985	1.58	4.02	2.80	3.05	1.10	5.65	2.88	18.02	18.77	12.20	22.20	21.04	NORM	NORM	DRY	WET	WET
7	1986	2.52	5.36	3.72	4.43	1.83	1.50	7.32	24.40	26.09	18.07	12.59	26.79	WET	WET	NORM	NORM	WET
8	1987	6.27	0.46	3.50	1.84	4.99	1.72	2.32	17.69	12.98	22.15	16.98	15.39	NORM	NORM	NORM	NORM	NORM
9	1988	0.27	2.28	3.12	1.09	1.32	2.88	3.52	14.19	11.79	9.26	12.37	17.64	NORM	DRY	DRY	NORM	NORM
10	1989	0.92	1.34	1.05	3.51	3.17	2.45	1.04	6.75	13.97	17.58	17.20	11.19	DRY	NORM	NORM	NORM	NORM
11	1990	1.19	1.11	7.38	2.40	1.71	2.65	0.55	25.55	23.07	17.31	13.77	8.66	WET	NORM	NORM	NORM	NORM
12	1991	0.74	2.21	5.51	1.73	4.24	0.95	0.70	21.69	18.42	21.69	13.06	8.24	WET	NORM	NORM	NORM	DRY
13	1992	2.81	1.67	1.67	1.79	5.71	3.93	2.85	11.16	10.38	22.38	25.00	22.12	NORM	DRY	NORM	WET	WET
14	1993	0.82	3.35	4.18	3.51	9.50	2.41	3.05	20.06	22.24	39.70	29.74	23.47	NORM	NORM	WET	WET	WET
15	1994	0.15	3.08	0.81	2.86	4.14	1.71	1.56	8.74	13.28	18.95	16.27	12.24	DRY	NORM	NORM	NORM	NORM
16	1995	3.43	5.03	7.32	0.83	3.52	4.14	2.42	35.45	22.16	19.54	20.29	19.06	WET	NORM	NORM	NORM	NORM
17	1996	0.41	0.76	4.85	1.94	3.78	5.79	4.16	16.48	16.28	20.07	26.87	27.84	NORM	NORM	NORM	WET	WET
18	1997	0.52	2.41	4.04	2.38	1.10	4.96	1.99	17.46	17.63	12.10	19.46	16.99	NORM	NORM	DRY	NORM	NORM
19	1998	2.40	4.53	1.83	5.20	2.64	3.46	0.10	16.95	23.79	20.15	20.86	9.86	NORM	WET	NORM	NORM	NORM
20	1999	1.04	4.13	1.98	4.76	4.00	0.96	3.59	15.24	22.37	23.50	15.64	16.69	NORM	NORM	NORM	NORM	NORM
21	2000	1.21	1.72	3.46	2.03	0.92	7.00	0.68	15.03	14.73	10.28	24.87	16.96	NORM	NORM	DRY	WET	NORM
22	2001	0.74	4.68	2.69	1.59	4.14	0.97	3.29	18.17	14.83	18.29	12.78	15.95	NORM	NORM	NORM	NORM	NORM
23	2002	1.30	1.88	1.59	0.96	1.08	7.40	1.89	9.83	7.94	6.75	25.32	21.55	DRY	DRY	DRY	WET	WET
24	2003	0.90	3.23	1.81	3.05	3.96	2.97	2.86	12.79	16.00	19.79	19.88	18.48	NORM	NORM	NORM	NORM	NORM
25	2004	2.18	1.28	4.57	3.61	5.75	5.77	5.33	18.45	21.25	29.04	32.42	33.28	NORM	NORM	WET	WET	WET
26	2005	0.72	3.76	5.14	10.42	0.7	1.16	3.04	23.66	45.30	28.08	15.30	12.14	WET	WET	WET	NORM	NORM
27	2006	2.13	4.46	1.09	4.45	0.27	3.18	5.22	14.32	19.99	10.80	14.53	22.29	NORM	NORM	DRY	NORM	WET
28	2007	2.54	3.66	6.94	2.87	0.45	5.17	1.50	30.68	26.15	14.03	19.28	15.29	WET	WET	NORM	NORM	NORM
29	2008	1.13	2.18	5.93	2.84	1.56	0.48	2.19	23.28	22.56	16.29	7.40	9.09	WET	NORM	NORM	DRY	NORM
30	2009	0.51	2.13	1.78	4.40	2.86	4.45	0.44	10.11	18.89	19.16	23.47	13.08	DRY	NORM	NORM	WET	NORM
31	2010	1.71	2.17	2.19	8.40	7.21	4.69	4.39	12.62	31.75	40.62	36.89	29.76	NORM	WET	WET	WET	WET
32	2011	1.03	3.14	3.64	3.39	1.35	2.51	0.26	18.23	20.59	14.47	13.62	7.15	NORM	NORM	NORM	NORM	DRY
33	2012	0.38	3.48	3.96	0.80	0.67	0.74	0.18	19.22	13.80	7.57	4.36	2.69	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.8	1.68	2.05
April	1.54	2.54	3.08
May	2.23	3.61	4.37
June	2.05	3.12	3.75
July	2.11	3.53	4.28
August	1.61	2.68	3.25
Sept.	1.08	2.28	2.78
Jun-MAM	10.57	17.59	21.32
Jul-JMA	12.15	19.12	23.07
Aug-JJM	12.66	20.44	24.71
Sep-AJJ	11.10	18.22	22.06
Oct-SAJ	8.57	15.73	19.12

Normals are for 1971-2000 data

March	1.68
April	2.54
May	3.61
June	3.12
July	3.53
August	2.68
Sept.	2.28

Rainfall Data
Vermillion 2 SE
Station #SD8622
Clay County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.51	1.74	3.69	0.78	1.28	5.31	1.41	15.06	11.46	9.09	19.27	16.13	NORM	DRY	DRY	NORM	NORM
1981	2.09	0.43	1.81	4.88	3.65	3.59	1.22	8.38	18.69	22.52	22.95	14.49	DRY	NORM	NORM	WET	NORM
1982	0.94	1.05	6.77	1.54	2.60	1.97	1.38	23.35	19.21	17.65	12.65	10.68	WET	NORM	NORM	NORM	NORM
1983	3.78	2.60	3.64	8.24	2.05	0.67	1.66	19.90	34.60	26.27	14.35	8.37	NORM	WET	WET	NORM	DRY
1984	1.54	10.50	4.95	8.78	2.95	0.36	0.69	37.39	46.74	31.36	15.76	5.74	WET	WET	WET	NORM	DRY
1985	2.02	5.87	2.25	3.62	1.09	1.72	4.06	20.51	21.23	12.76	10.96	16.71	NORM	NORM	DRY	DRY	NORM
1986	2.27	4.54	3.67	3.50	3.02	2.69	4.42	22.36	22.38	19.73	17.61	21.66	WET	NORM	NORM	NORM	WET
1987	4.89	0.48	3.00	2.97	6.96	1.38	2.57	14.85	15.39	29.82	21.03	17.43	NORM	NORM	WET	NORM	NORM
1988	0.24	2.80	2.71	2.07	2.06	5.89	3.51	13.97	14.43	13.03	23.86	24.37	NORM	NORM	DRY	WET	WET
1989	0.83	0.81	0.60	3.01	4.88	3.63	1.73	4.25	11.04	21.26	23.66	17.33	DRY	DRY	NORM	WET	NORM
1990	1.96	1.41	8.33	2.01	1.60	1.85	1.89	29.77	24.10	17.15	10.76	10.97	WET	NORM	NORM	DRY	NORM
1991	1.00	3.14	3.18	4.14	2.02	1.89	2.25	16.82	21.92	17.52	13.85	12.55	NORM	NORM	NORM	NORM	NORM
1992	2.68	1.83	4.94	3.56	5.75	5.03	3.80	21.16	22.39	29.31	30.15	27.21	NORM	NORM	WET	WET	WET
1993	1.41	2.98	4.08	3.66	6.68	4.75	2.21	19.61	22.12	31.44	31.27	22.81	NORM	NORM	WET	WET	WET
1994	0.00	3.10	1.80	3.53	3.68	2.16	2.70	11.60	17.29	19.90	17.37	16.10	NORM	NORM	NORM	NORM	NORM
1995	4.21	5.08	6.44	2.57	2.43	3.56	2.08	33.69	25.67	18.87	18.11	15.79	WET	WET	NORM	NORM	NORM
1996	1.22	1.05	4.76	2.37	5.75	2.00	7.07	17.60	17.68	26.75	19.87	30.96	NORM	NORM	WET	NORM	WET
1997	0.33	2.06	3.90	1.75	3.51	1.11	3.73	16.15	15.11	17.93	12.10	16.92	NORM	NORM	NORM	NORM	NORM
1998	2.57	6.59	2.30	6.55	4.11	4.78	0.94	22.65	30.84	27.73	29.11	16.49	WET	WET	WET	WET	NORM
1999	0.55	5.17	3.41	9.13	5.12	0.79	0.39	21.12	39.38	37.03	21.74	7.87	NORM	WET	WET	NORM	DRY
2000	1.05	1.93	3.12	2.87	0.64	4.62	1.49	14.27	16.78	10.78	18.01	14.35	NORM	NORM	DRY	NORM	NORM
2001	0.41	5.66	3.99	1.53	5.27	0.81	3.44	23.70	18.23	22.86	14.50	17.21	WET	NORM	NORM	NORM	NORM
2002	1.12	1.83	5.21	1.39	4.14	5.68	1.03	20.41	16.42	20.41	26.71	18.59	NORM	NORM	NORM	WET	NORM
2003	2.08	2.12	2.77	5.34	1.56	1.20	7.25	14.63	23.68	18.13	12.06	25.71	NORM	NORM	NORM	NORM	WET
2004	3.31	1.81	8.29	3.51	0.77	2.11	4.38	31.80	28.92	17.62	11.38	18.13	WET	WET	NORM	DRY	NORM
2005	1.21	5.04	4.52	8.48	1.37	3.33	3.88	24.85	39.52	25.59	21.21	19.67	WET	WET	WET	NORM	NORM
2006	2.82	3.62	0.85	2.78	1.06	2.95	5.97	12.61	13.66	9.59	13.75	24.87	NORM	NORM	DRY	NORM	WET
2007	1.81	3.85	2.61	1.03	0.70	4.47	3.98	17.34	12.16	6.77	15.84	21.58	NORM	DRY	DRY	NORM	WET
2008	1.21	2.32	6.11	3.42	3.95	1.00	1.97	24.18	24.80	24.80	14.32	11.86	WET	NORM	NORM	NORM	NORM
2009	1.34	2.28	1.76	3.70	7.25	1.43	1.72	11.18	16.90	30.91	22.49	15.27	DRY	NORM	WET	NORM	NORM
2010	1.08	2.21	1.50	7.26	11.99	2.69	5.11	10.00	26.99	51.99	39.31	32.70	DRY	WET	WET	WET	WET
2011	0.61	3.83	3.06	5.09	1.32	3.33	1.93	17.45	25.22	17.20	17.72	13.77	NORM	NORM	NORM	NORM	NORM
2012	0.39	4.55	4.73	0.62	0.21	0.79	0.82	23.68	15.87	6.60	3.41	4.25	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.8	1.80	2.22
April	1.50	2.76	3.37
May	2.56	3.74	4.45
June	2.25	3.61	4.36
July	2.13	3.40	4.11
August	1.66	2.82	3.42
Sept.	1.39	2.41	2.94
Jun-MAM	11.48	18.54	22.31
Jul-JMA	13.37	21.07	25.35
Aug-JJM	13.45	21.16	25.50
Sep-AJJ	11.49	18.87	22.84
Oct-SAJ	9.62	16.27	19.77

Normals are for 1971-2000 data

March	1.80
April	2.76
May	3.74
June	3.61
July	3.40
August	2.82
Sept.	2.41

Note: Yankton 2 E NWS Station (SD9502) was used for June and July 1985.

Rainfall Data
Victor 4 NNE
Station #SD8652
Roberts County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.61	0.14	1.13	2.89	0.89	2.99	3.95	4.28	11.07	9.58	13.64	18.72	DRY	NORM	DRY	NORM	WET
1981	0.64	1.46	1.85	5.16	2.87	1.56	0.73	9.11	20.64	20.78	15.58	8.18	NORM	NORM	NORM	NORM	NORM
1982	1.60	0.12	0.67	1.58	0.95	0.53	3.17	3.85	6.20	6.68	5.07	11.52	DRY	DRY	DRY	DRY	NORM
1983	2.43	0.23	0.55	2.36	2.26	5.14	1.72	4.54	8.41	12.05	22.30	17.70	DRY	DRY	NORM	WET	NORM
1984	1.60	2.41	1.13	5.34	1.54	1.73	1.23	9.81	20.69	16.43	13.61	8.69	NORM	NORM	NORM	NORM	NORM
1985	1.33	1.36	5.26	3.12	1.98	3.14	2.05	19.83	21.24	17.44	16.50	14.41	WET	NORM	NORM	NORM	NORM
1986	0.81	6.62	3.44	3.91	5.75	3.43	9.68	24.37	25.23	28.51	25.70	41.65	WET	WET	WET	WET	WET
1987	1.33	0.12	2.13	0.91	4.49	1.57	2.59	7.96	7.11	17.42	14.60	15.40	NORM	DRY	NORM	NORM	NORM
1988	0.52	0.53	2.87	1.61	4.00	5.50	2.56	10.19	11.10	18.09	26.11	22.68	NORM	NORM	NORM	WET	WET
1989	1.36	1.91	1.57	1.42	6.75	2.80	2.61	9.89	9.31	24.66	23.32	20.18	NORM	DRY	WET	WET	WET
1990	1.32	2.13	1.60	4.64	1.67	3.38	2.55	10.38	19.25	15.89	18.12	16.08	NORM	NORM	NORM	NORM	NORM
1991	1.81	3.76	4.40	8.06	3.25	3.01	2.47	22.53	36.74	30.27	23.59	16.68	WET	WET	WET	WET	NORM
1992	0.83	1.61	2.15	5.21	2.31	1.59	2.16	10.50	21.54	19.50	14.60	11.97	NORM	NORM	NORM	NORM	NORM
1993	1.36	2.02	3.96	6.70	6.81	2.13	1.43	17.28	30.04	37.79	26.71	15.36	WET	WET	WET	WET	NORM
1994	0.49	2.99	2.04	1.05	11.07	1.68	1.75	12.59	10.22	37.35	28.23	19.68	NORM	DRY	WET	WET	WET
1995	3.63	1.95	3.52	1.65	4.35	3.85	2.70	18.09	13.94	19.87	21.90	20.15	WET	NORM	NORM	WET	WET
1996	1.47	0.33	3.87	2.33	2.10	0.34	2.40	13.74	15.06	14.83	7.55	9.98	NORM	NORM	NORM	DRY	NORM
1997	1.25	2.86	1.87	1.83	2.49	3.43	1.75	12.58	12.09	13.00	17.10	14.60	NORM	NORM	NORM	NORM	NORM
1998	1.22	2.71	5.15	5.88	1.98	1.32	0.33	22.09	30.65	22.85	13.80	5.61	WET	WET	NORM	NORM	DRY
1999	1.27	1.88	3.08	5.32	3.29	3.42	2.78	14.27	24.00	23.59	22.16	18.47	NORM	WET	NORM	WET	WET
2000	1.03	1.84	2.59	2.83	5.13	0.51	1.33	12.48	15.51	23.64	14.62	10.14	NORM	NORM	NORM	NORM	NORM
2001	0.41	3.70	2.52	5.34	3.32	2.64	3.14	15.37	24.76	23.16	19.90	18.02	NORM	WET	NORM	NORM	WET
2002	1.00	1.75	2.52	2.73	4.73	4.72	0.99	12.06	14.98	22.17	26.35	17.14	NORM	NORM	NORM	WET	NORM
2003	0.47	2.10	3.82	6.02	1.60	0.51	1.93	16.13	27.80	20.66	10.75	8.41	WET	WET	NORM	NORM	NORM
2004	1.03	1.01	7.38	3.21	4.15	2.42	6.21	25.19	25.40	26.25	18.77	27.62	WET	WET	WET	NORM	WET
2005	0.06	1.13	2.83	8.34	3.32	5.79	3.33	10.81	31.81	29.47	32.35	24.89	NORM	WET	WET	WET	WET
2006	1.20	2.54	2.49	1.54	1.60	4.78	6.14	13.75	12.14	10.37	19.08	29.58	NORM	NORM	DRY	NORM	WET
2007	2.52	4.04	4.38	5.99	2.19	2.93	1.97	23.74	30.77	22.93	19.16	13.96	WET	WET	NORM	NORM	NORM
2008	0.91	3.37	1.79	5.40	0.96	4.15	6.25	13.02	23.15	15.47	19.77	28.01	NORM	WET	NORM	NORM	WET
2009	2.65	1.61	1.69	2.62	1.11	1.53	2.94	10.94	12.85	10.26	9.43	12.99	NORM	NORM	DRY	DRY	NORM
2010	1.40	2.60	2.88	4.43	2.42	2.17	8.04	15.24	21.65	19.00	15.78	30.88	NORM	NORM	NORM	NORM	WET
2011	1.30	1.97	3.29	4.11	8.52	4.30	0.37	15.11	20.88	37.07	34.05	18.23	NORM	NORM	WET	WET	WET
2012	0.75	4.11	1.41	4.40	5.09	2.33	0.06	13.20	20.13	25.48	21.57	9.93	NORM	NORM	WET	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.76	1.31	1.59
April	0.84	1.88	2.29
May	1.80	2.69	3.22
June	1.94	3.59	4.37
July	2.06	3.45	4.19
August	1.32	2.42	2.95
Sept.	1.06	2.13	2.60
Jun-MAM	7.84	13.14	15.83
Jul-JMA	10.26	18.03	21.84
Aug-JJM	11.86	20.22	24.53
Sep-AJJ	10.02	17.75	21.60
Oct-SAJ	7.88	14.68	17.89

Normals are for 1971-2000 data

March	1.31
April	1.88
May	2.69
June	3.59
July	3.45
August	2.42
Sept.	2.13

Rainfall Data
Wagner
Station #SD8767
Charles Mix County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.88	0.66	2.32	1.36	1.89	4.93	0.25	9.16	9.38	10.71	19.93	12.50	DRY	DRY	DRY	NORM	NORM
1981	1.83	0.53	2.27	3.07	5.15	0.87	2.33	9.70	14.28	23.86	15.98	13.88	DRY	NORM	NORM	NORM	NORM
1982	1.04	1.56	13.40	2.91	1.06	1.30	1.41	44.36	37.09	22.40	8.93	7.89	WET	WET	NORM	DRY	DRY
1983	3.48	1.38	3.03	6.41	2.13	0.95	1.13	15.33	26.67	22.24	13.52	7.42	NORM	WET	NORM	NORM	DRY
1984	1.71	6.12	3.29	6.36	3.02	2.24	0.87	23.82	31.78	25.07	15.01	10.11	WET	WET	WET	NORM	NORM
1985	1.74	3.35	5.88	2.54	2.01	5.01	2.26	26.08	22.73	16.99	13.34	18.81	WET	NORM	NORM	NORM	NORM
1986	1.99	7.02	3.19	3.50	2.05	0.81	6.09	25.60	23.90	16.34	25.87	21.94	WET	NORM	NORM	WET	WET
1987	8.00	0.39	1.60	1.58	5.08	2.71	4.52	13.58	8.33	20.00	25.30	24.06	NORM	DRY	NORM	WET	WET
1988	0.36	3.28	4.68	2.63	2.00	2.32	5.64	20.96	20.53	15.94	23.55	23.56	NORM	NORM	NORM	WET	WET
1989	0.94	0.93	1.59	4.38	3.02	1.24	1.44	7.57	17.25	19.41	14.74	9.82	DRY	NORM	NORM	NORM	NORM
1990	1.47	1.77	5.69	1.88	1.11	1.70	0.34	22.08	18.79	12.78	5.12	5.53	NORM	NORM	DRY	DRY	DRY
1991	0.72	2.28	4.28	1.60	2.85	1.86	2.27	18.12	15.64	16.03	14.11	13.38	NORM	NORM	NORM	NORM	NORM
1992	2.75	1.82	1.79	2.49	4.21	4.87	2.64	11.76	12.87	19.40	18.83	21.87	DRY	DRY	NORM	NORM	WET
1993	0.87	3.53	5.01	3.44	8.41	4.09	3.27	22.96	23.87	37.12	30.07	26.40	NORM	NORM	WET	WET	WET
1994	0.36	3.68	2.01	3.74	5.05	4.34	1.41	13.75	18.92	24.64	18.07	17.96	NORM	NORM	WET	NORM	NORM
1995	3.44	5.75	6.32	0.87	2.03	4.59	3.87	33.90	21.00	14.15	16.54	22.82	WET	NORM	NORM	NORM	WET
1996	0.52	1.45	6.32	3.33	1.39	4.17	5.42	22.38	24.08	17.15	18.62	25.99	NORM	NORM	NORM	NORM	WET
1997	0.49	3.16	3.32	2.83	2.26	4.85	2.11	16.77	18.29	15.76	21.90	18.29	NORM	NORM	NORM	WET	NORM
1998	2.93	4.69	1.41	5.36	3.97	2.82	0.94	16.54	23.59	24.04	21.76	12.43	NORM	NORM	WET	WET	NORM
1999	0.91	4.05	5.26	4.83	3.62	0.56	3.88	24.79	29.06	25.78	13.75	16.38	WET	WET	WET	NORM	NORM
2000	1.09	1.70	5.38	1.56	1.77	2.41	0.62	20.63	17.14	13.81	12.33	8.45	NORM	NORM	NORM	NORM	DRY
2001	0.79	8.56	3.02	4.24	2.35	2.13	3.38	26.97	27.32	18.55	15.33	16.75	WET	WET	NORM	NORM	NORM
2002	1.23	1.73	2.24	0.93	1.73	3.99	3.49	11.41	9.00	9.29	16.36	20.18	DRY	DRY	DRY	NORM	WET
2003	0.60	3.17	2.92	3.84	2.95	0.59	1.33	15.70	20.53	19.45	11.51	8.12	NORM	NORM	NORM	NORM	DRY
2004	2.10	2.20	3.91	3.08	2.30	1.06	6.23	18.23	19.26	16.97	10.86	23.11	NORM	NORM	NORM	DRY	WET
2005	1.13	3.06	4.77	8.23	0.79	0.4	4.26	21.56	37.29	23.60	11.01	14.37	NORM	WET	NORM	DRY	NORM
2006	2.92	3.56	0.87	3.34	0.35	3.13	6.09	12.65	15.32	8.60	13.43	24.88	NORM	NORM	DRY	NORM	WET
2007	3.07	3.72	3.62	4.06	0.05	6.16	3.41	21.37	23.14	11.89	22.64	22.60	NORM	NORM	DRY	WET	WET
2008	1.19	1.90	3.47	4.15	2.48	1.27	1.65	15.40	21.29	19.21	12.92	9.97	NORM	NORM	NORM	NORM	NORM
2009	0.86	1.52	1.87	4.66	2.87	4.26	0.99	9.51	19.24	19.80	23.18	14.36	DRY	NORM	NORM	WET	NORM
2010	0.83	1.69	2.63	8.75	3.17	4.28	6.83	12.10	33.20	29.64	27.93	32.22	DRY	WET	WET	WET	WET
2011	1.05	1.07	4.00	3.89	2.03	2.31	0.24	15.19	20.74	17.87	14.88	7.37	NORM	NORM	NORM	NORM	DRY
2012	0.44	4.76	1.77	0.70	0.70	0.82	0.45	15.27	10.40	5.27	4.56	3.69	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.88	1.79	2.19
April	1.61	2.78	3.38
May	2.72	4.03	4.82
June	2.32	3.32	3.94
July	2.06	3.13	3.75
August	1.56	2.73	3.32
Sept.	1.39	2.59	3.16
Jun-MAM	12.26	19.44	23.41
Jul-JMA	14.01	20.80	24.84
Aug-JJM	13.54	20.06	23.95
Sep-AJJ	11.12	17.77	21.40
Oct-SAJ	9.35	16.36	19.87

Normals are for 1971-2000 data

March	1.79
April	2.78
May	4.03
June	3.32
July	3.13
August	2.73
Sept.	2.59

NOTE:
Pickstown NWS Station (SD6574) was used for May-Sept. 2011; 2012

Rainfall Data
Wasta
Station #SD8911
Pennington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.62	0.98	1.37	2.61	1.37	2.11	0.45	6.69	11.55	10.70	11.68	6.94	DRY	NORM	NORM	NORM	NORM
1981	0.00	0.08	2.04	2.17	3.03	0.54	1.16	6.28	10.67	15.47	9.85	7.59	DRY	NORM	NORM	NORM	NORM
1982	2.04	0.55	9.85	1.31	2.82	4.20	1.87	32.69	24.18	20.93	19.55	16.83	WET	WET	WET	WET	WET
1983	0.87	1.27	2.64	3.54	0.77	3.19	0.36	11.33	17.17	12.03	14.65	8.23	NORM	NORM	NORM	NORM	NORM
1984	0.05	2.85	1.74	3.85	1.37	3.35	0.25	10.97	17.88	13.55	16.64	8.82	NORM	NORM	NORM	WET	NORM
1985	1.11	0.77	0.55	2.37	0.74	0.76	1.84	4.30	8.98	7.51	6.13	7.78	DRY	DRY	DRY	DRY	NORM
1986	0.81	4.77	1.64	3.57	1.40	0.96	4.41	15.27	18.76	12.98	9.25	16.55	NORM	NORM	NORM	NORM	WET
1987	1.78	0.00	4.96	0.45	1.03	1.91	0.38	16.66	11.27	8.95	8.24	5.99	NORM	NORM	NORM	NORM	NORM
1988	2.10	0.65	3.22	1.93	0.80	1.02	0.83	13.06	12.88	9.48	6.59	5.33	NORM	NORM	NORM	DRY	NORM
1989	1.26	0.78	1.00	0.63	0.98	1.68	3.17	5.82	4.67	5.20	7.63	13.85	DRY	DRY	DRY	NORM	WET
1990	0.85	0.70	2.89	1.78	2.49	1.62	0.88	10.92	11.82	13.92	11.62	8.37	NORM	NORM	NORM	NORM	NORM
1991	0.34	2.04	6.01	3.89	1.39	1.96	1.58	22.45	25.73	17.96	12.55	10.05	WET	WET	NORM	NORM	NORM
1992	1.34	0.68	2.33	3.84	3.94	0.73	0.33	9.69	16.86	21.83	13.91	6.39	NORM	NORM	WET	NORM	NORM
1993	0.69	2.82	3.76	4.12	4.98	1.07	1.65	17.61	22.70	26.94	17.29	12.07	WET	WET	WET	WET	WET
1994	0.39	3.45	0.43	2.27	1.12	1.95	0.00	8.58	11.12	8.33	10.36	5.02	NORM	NORM	DRY	NORM	NORM
1995	1.18	2.22	5.38	3.58	1.56	0.45	0.46	21.76	23.72	17.22	8.05	3.84	WET	WET	NORM	NORM	DRY
1996	1.49	2.35	7.48	1.16	0.95	2.00	2.83	28.63	20.79	12.65	9.06	13.44	WET	WET	NORM	NORM	WET
1997	0.55	2.40	4.71	2.23	8.07	1.09	0.92	19.48	18.51	33.38	21.64	13.01	WET	NORM	WET	WET	WET
1998	1.69	0.36	4.45	6.20	1.52	2.07	0.60	15.76	27.86	21.41	15.45	7.46	NORM	WET	WET	WET	NORM
1999	1.10	3.35	2.61	4.39	0.96	3.33	1.49	15.63	21.74	14.27	16.30	12.09	NORM	WET	NORM	WET	WET
2000	2.13	6.04	1.75	1.88	2.81	0.34	0.33	19.46	15.18	13.94	8.52	4.48	WET	NORM	NORM	NORM	NORM
2001	0.54	1.83	1.70	3.45	2.76	1.17	0.84	9.30	15.58	16.88	12.48	7.62	NORM	NORM	NORM	NORM	NORM
2002	0.00	1.52	1.72	0.48	1.63	1.77	1.57	8.20	6.40	7.57	9.05	9.88	NORM	DRY	DRY	NORM	NORM
2003	1.82	2.35	1.54	2.88	1.39	0.15	2.11	11.14	14.07	11.47	6.11	8.02	NORM	NORM	NORM	DRY	NORM
2004	1.35	0.24	4.65	1.42	1.61	1.26	3.45	15.78	13.80	12.32	8.42	14.48	NORM	NORM	NORM	NORM	WET
2005	1.15	1.02	4.86	2.87	1.07	1.55	1.01	17.77	19.35	13.81	9.66	7.20	WET	NORM	NORM	NORM	NORM
2006	1.51	2.31	1.28	0.66	0.63	1.35	2.18	9.97	6.85	4.49	5.97	9.87	NORM	DRY	DRY	DRY	NORM
2007	1.25	2.10	2.30	1.97	1.12	2.69	1.38	12.35	12.61	9.60	12.28	10.64	NORM	NORM	NORM	NORM	NORM
2008	0.67	1.31	5.76	4.62	3.16	1.61	0.58	20.57	26.69	24.48	15.77	8.12	WET	WET	WET	WET	NORM
2009	1.53	2.90	0.90	3.03	1.71	2.20	0.64	10.03	13.79	12.09	13.05	8.03	NORM	NORM	NORM	NORM	NORM
2010	0.34	3.26	4.96	5.40	1.15	0.92	1.76	21.74	29.38	19.21	10.46	8.27	WET	WET	WET	NORM	NORM
2011	1.01	1.76	5.09	2.17	2.90	1.82	1.30	19.80	18.45	18.13	13.43	10.44	WET	NORM	NORM	NORM	NORM
2012	0.04	2.08	1.46	1.68	0.82	0.79	0.00	8.58	10.04	7.28	5.69	2.40	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.49	1.10	1.35
April	0.92	1.95	2.40
May	1.74	3.05	3.71
June	1.56	2.68	3.25
July	1.24	2.17	2.64
August	0.96	1.68	2.04
Sept.	0.34	1.12	1.37
Jun-MAM	7.55	14.15	17.28
Jul-JMA	9.08	16.09	19.57
Aug-JJM	8.58	14.92	18.13
Sep-AJJ	6.92	12.06	14.65
Oct-SAJ	4.18	8.89	10.83

Normals are for 1971-2000 data

March	1.10
April	1.95
May	3.05
June	2.68
July	2.17
August	1.68
Sept.	1.12

NOTE:
Elm Springs 3 ESE NWS Station (SD2647) was used for March and July 2000; March-Sept. 2003; March-Sept. 2004; March-Sept. 2005; March-Sept. 2006; and June 2008; May and July 2012.

Rainfall Data
Watertown Regional AP
Station #SD8932
Codington County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.81	0.43	1.56	6.75	1.61	3.47	0.50	6.35	23.80	19.89	20.38	10.05	DRY	WET	NORM	NORM	NORM
1981	1.31	1.02	0.87	2.15	4.24	0.87	0.31	5.96	9.21	17.89	13.24	6.91	DRY	DRY	NORM	NORM	DRY
1982	0.65	0.83	5.11	2.10	4.08	1.18	2.44	17.64	17.35	21.55	13.80	13.76	WET	NORM	NORM	NORM	NORM
1983	2.60	0.76	1.56	2.41	1.64	2.55	2.53	8.80	11.11	11.30	13.34	14.33	NORM	NORM	DRY	NORM	NORM
1984	1.34	3.03	2.30	5.28	2.38	3.46	1.29	14.30	23.47	20.00	20.42	13.17	NORM	WET	NORM	NORM	NORM
1985	2.22	1.99	1.27	1.57	2.95	3.62	5.35	10.01	9.24	13.26	18.33	26.24	NORM	DRY	NORM	NORM	WET
1986	0.54	5.45	4.41	4.87	5.10	3.05	3.35	24.67	28.88	29.45	24.22	21.25	WET	WET	WET	WET	WET
1987	2.01	0.80	1.28	0.69	4.09	4.68	1.82	7.45	5.43	14.93	22.91	18.91	DRY	DRY	NORM	WET	WET
1988	0.69	0.88	2.66	0.65	2.75	2.89	2.67	10.43	8.15	12.21	14.82	16.54	NORM	DRY	NORM	NORM	NORM
1989	1.67	1.88	1.27	1.94	2.39	3.40	1.37	9.24	10.24	12.32	16.92	13.30	NORM	DRY	NORM	NORM	NORM
1990	1.05	1.00	2.08	6.74	2.15	2.31	1.03	9.29	25.38	22.01	17.97	9.86	NORM	WET	NORM	NORM	NORM
1991	0.38	4.41	5.77	11.37	1.85	3.69	2.09	26.51	50.06	34.06	26.14	15.50	WET	WET	WET	WET	NORM
1992	0.93	1.32	0.41	7.22	3.21	2.15	2.16	4.80	23.80	24.48	20.09	13.99	DRY	WET	WET	NORM	NORM
1993	0.59	1.74	2.28	5.59	5.05	2.42	2.99	10.91	23.07	28.61	22.95	18.86	NORM	NORM	WET	WET	WET
1994	0.29	1.79	1.83	7.48	4.96	4.49	1.86	9.36	27.89	31.67	30.87	19.52	NORM	WET	WET	WET	WET
1995	2.11	2.49	3.55	2.29	3.82	2.21	3.75	17.74	16.46	19.59	16.56	19.49	WET	NORM	NORM	NORM	WET
1996	0.27	0.29	5.03	1.57	1.64	3.04	2.82	15.94	15.06	13.09	13.97	16.18	WET	NORM	NORM	NORM	NORM
1997	1.02	2.40	2.11	1.30	3.56	2.02	0.99	12.15	10.52	15.39	14.48	10.57	NORM	DRY	NORM	NORM	NORM
1998	0.40	2.17	2.91	1.62	2.69	4.06	0.13	13.47	12.85	14.22	19.18	11.20	NORM	NORM	NORM	NORM	NORM
1999	0.57	1.55	2.41	5.45	1.65	1.48	2.22	10.90	22.72	18.26	13.19	11.27	NORM	NORM	NORM	NORM	NORM
2000	0.72	1.55	2.51	3.89	4.11	1.31	1.10	11.35	18.24	22.62	16.04	10.03	NORM	NORM	NORM	NORM	NORM
2001	1.05	6.48	2.60	2.75	3.37	0.50	2.33	21.81	19.93	18.21	10.99	11.36	WET	NORM	NORM	DRY	NORM
2002	0.75	1.08	2.27	1.16	1.93	6.41	1.37	9.72	9.10	10.38	24.25	18.86	NORM	DRY	DRY	WET	WET
2003	0.39	1.68	2.61	4.16	2.32	1.82	1.49	11.58	19.38	17.89	14.26	10.43	NORM	NORM	NORM	NORM	NORM
2004	0.89	1.66	5.16	2.18	3.06	1.79	5.80	19.69	18.52	18.70	13.67	24.04	WET	NORM	NORM	NORM	WET
2005	0.11	1.48	4	3.7	1.11	2.67	3.54	15.07	20.58	14.73	13.93	17.07	NORM	NORM	NORM	NORM	NORM
2006	0.72	2.41	1.75	1.92	0.74	3.39	4.85	10.79	11.67	7.81	13.57	22.07	NORM	NORM	DRY	NORM	WET
2007	3.05	3.79	2.96	2.03	0.26	3.57	3.07	19.51	15.80	7.80	13.26	16.61	WET	NORM	DRY	NORM	NORM
2008	1.08	1.85	2.42	4.15	3.73	4.02	1.96	12.04	19.14	21.91	23.67	17.65	NORM	NORM	NORM	WET	NORM
2009	2.44	0.96	1.48	2.58	3.64	3.41	1.56	8.80	11.66	17.56	20.09	15.14	NORM	NORM	NORM	NORM	NORM
2010	1.17	1.86	3.02	4.13	3.03	3.51	6.06	13.95	20.29	20.37	20.72	28.23	NORM	NORM	NORM	NORM	WET
2011	1.80	1.15	4.13	3.80	3.71	1.18	0.35	16.49	20.81	22.86	14.76	7.12	WET	NORM	NORM	NORM	DRY
2012	0.85	2.69	3.08	5.06	0.55	1.92	0.29	15.47	24.03	14.85	11.92	5.26	NORM	WET	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.7	1.30	1.58
April	1.05	1.96	2.39
May	1.60	2.61	3.16
June	2.21	4.01	4.89
July	1.97	2.91	3.48
August	2.01	2.85	3.38
Sept.	1.08	2.03	2.48
Jun-MAM	7.60	13.05	15.84
Jul-JMA	10.88	19.21	23.38
Aug-JJM	11.93	19.36	23.38
Sep-AJJ	12.18	18.38	21.99
Oct-SAJ	9.23	14.70	17.68

Normals are for 1971-2000 data

March	1.30
April	1.96
May	2.61
June	4.01
July	2.91
August	2.85
Sept.	2.03

NOTE:
Castlewood NWS Station (SD1519) was used for July and August 1985.

Rainfall Data
Waubay Nat'l. Wildlife Refuge
Station #SD8980
Day County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.50	0.31	1.35	4.40	2.24	4.25	0.34	5.17	16.21	16.87	21.63	11.76	DRY	NORM	NORM	NORM	NORM
1981	1.71	0.68	1.75	3.39	2.10	2.35	1.05	8.32	14.35	14.83	14.64	9.95	NORM	NORM	NORM	NORM	NORM
1982	1.14	0.55	2.63	1.04	3.71	1.98	3.55	10.13	8.93	15.84	14.40	18.32	NORM	DRY	NORM	NORM	WET
1983	1.82	0.55	1.06	2.55	3.59	4.14	1.99	6.10	10.32	16.93	22.15	17.84	DRY	NORM	NORM	NORM	WET
1984	1.10	2.76	1.32	6.82	1.45	3.13	1.22	10.58	25.86	19.31	19.11	11.37	NORM	WET	NORM	NORM	NORM
1985	0.85	0.66	2.36	2.14	2.60	3.89	2.78	9.25	11.80	14.44	19.01	18.72	NORM	NORM	NORM	NORM	WET
1986	0.51	5.54	3.42	4.13	7.32	3.43	4.47	21.85	24.77	33.64	29.06	27.59	WET	WET	WET	WET	WET
1987	1.90	0.00	1.63	0.86	3.63	1.34	1.75	6.79	5.84	14.24	12.14	11.56	DRY	DRY	NORM	NORM	NORM
1988	0.28	0.39	4.03	1.04	1.19	5.96	3.19	13.15	11.57	9.68	21.30	22.68	NORM	NORM	DRY	NORM	WET
1989	1.69	3.19	1.63	1.58	2.15	4.85	2.89	12.96	11.19	11.24	20.43	20.52	NORM	NORM	DRY	NORM	WET
1990	1.78	1.69	1.74	4.09	3.27	5.81	1.56	10.38	17.44	19.73	28.06	19.57	NORM	NORM	NORM	WET	WET
1991	0.69	4.16	5.40	6.75	3.63	3.08	3.20	25.21	35.21	29.79	23.25	19.39	WET	WET	WET	WET	WET
1992	0.87	0.89	0.60	6.21	2.38	1.15	1.65	4.45	20.72	20.16	14.42	9.63	DRY	NORM	NORM	NORM	NORM
1993	0.81	1.74	2.72	5.83	9.06	1.28	1.17	12.45	24.67	41.56	27.79	15.13	NORM	WET	WET	WET	NORM
1994	0.30	2.28	2.46	1.11	6.28	2.52	1.16	12.24	10.53	23.52	21.23	14.80	NORM	NORM	NORM	NORM	NORM
1995	2.46	2.25	2.90	2.71	5.13	4.25	3.49	15.66	16.18	23.71	25.72	24.10	WET	NORM	NORM	WET	WET
1996	0.66	0.19	4.32	2.60	3.14	0.94	3.42	14.00	16.63	18.94	11.70	15.28	NORM	NORM	NORM	NORM	NORM
1997	0.65	1.81	1.49	1.68	5.71	2.89	0.84	8.74	9.83	21.98	21.77	14.01	NORM	DRY	NORM	NORM	NORM
1998	1.60	4.16	5.42	3.00	1.97	2.66	0.00	26.18	24.00	17.33	14.92	7.29	WET	WET	NORM	NORM	DRY
1999	0.74	1.35	2.98	7.75	2.37	3.19	3.64	12.38	30.56	25.59	22.06	19.67	NORM	WET	WET	NORM	WET
2000	0.68	2.52	1.07	1.77	5.37	1.01	1.11	8.93	9.97	20.72	15.54	10.72	NORM	DRY	NORM	NORM	NORM
2001	0.29	3.97	2.49	4.57	3.54	0.48	2.19	15.70	22.66	22.25	13.09	11.07	WET	WET	NORM	NORM	NORM
2002	0.89	1.64	3.79	3.04	3.18	3.74	1.23	15.54	18.34	19.41	20.62	14.35	WET	NORM	NORM	NORM	NORM
2003	0.27	1.74	3.16	8.24	2.35	0.41	1.62	13.23	32.78	26.69	14.17	8.03	NORM	WET	WET	NORM	DRY
2004	1.29	0.77	5.12	2.47	4.05	1.55	5.32	18.19	18.42	22.21	15.22	23.11	WET	NORM	NORM	NORM	WET
2005	0.08	0.72	3.63	5.72	2.4	2.47	2.57	12.41	25.14	22.27	17.93	15.05	NORM	WET	NORM	NORM	NORM
2006	0.64	3.10	1.55	2.17	1.04	4.68	3.61	11.49	12.71	9.01	18.29	21.23	NORM	NORM	DRY	NORM	WET
2007	1.64	4.10	6.10	2.05	2.46	1.93	4.49	28.14	22.45	17.58	12.76	19.79	WET	WET	NORM	NORM	WET
2008	1.48	2.71	1.56	3.96	3.36	1.07	3.44	11.58	17.71	19.56	13.89	15.82	NORM	NORM	NORM	NORM	NORM
2009	1.65	0.36	1.02	3.71	2.35	2.47	4.04	5.43	13.53	15.49	15.82	19.41	DRY	NORM	NORM	NORM	WET
2010	0.98	1.35	2.08	3.45	4.47	2.45	5.05	9.92	15.86	22.39	19.74	24.52	NORM	NORM	NORM	NORM	WET
2011	1.74	0.76	0.73	2.08	4.30	1.15	0.81	5.45	8.46	17.79	14.13	9.03	DRY	DRY	NORM	NORM	NORM
2012	0.48	3.07	2.35	2.60	3.14	1.39	0.21	13.67	15.57	16.97	13.05	6.55	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.6	1.06	1.29
April	0.88	1.74	2.15
May	1.64	2.61	3.15
June	1.95	3.45	4.20
July	2.06	3.37	4.08
August	1.87	2.86	3.43
Sept.	0.88	1.86	2.27
Jun-MAM	7.28	12.37	15.04
Jul-JMA	10.01	17.31	21.05
Aug-JJM	11.72	19.62	23.79
Sep-AJJ	11.68	18.77	22.65
Oct-SAJ	8.44	14.67	17.75

Normals are for 1971-2000 data

March	1.06
April	1.74
May	2.61
June	3.45
July	3.37
August	2.86
Sept.	1.86

NOTE:
Webster NWS Station (SD9004) was used for March 1981; May 1985.

Rainfall Data
Webster
Station #SD9004
Day County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.67	0.39	0.78	5.85	1.50	3.51	0.49	3.79	19.50	16.98	19.38	9.99	DRY	NORM	NORM	NORM	NORM
1981	1.71	0.38	2.04	3.30	2.70	3.02	1.05	8.59	14.36	16.74	17.76	11.89	NORM	NORM	NORM	NORM	NORM
1982	1.76	0.54	2.93	2.66	3.76	2.31	2.52	11.63	14.38	19.53	17.11	15.94	NORM	NORM	NORM	NORM	NORM
1983	1.88	0.45	0.78	3.28	3.93	3.56	1.86	5.12	11.85	19.13	21.82	16.63	DRY	NORM	NORM	NORM	NORM
1984	1.60	2.50	1.67	6.56	1.70	2.13	1.38	11.61	25.52	19.89	16.35	10.10	NORM	WET	NORM	NORM	NORM
1985	1.37	0.97	2.36	3.02	2.44	3.09	4.29	10.39	14.75	15.72	17.17	21.49	NORM	NORM	NORM	NORM	WET
1986	0.49	7.47	2.69	3.03	5.74	3.24	5.77	23.50	21.94	25.97	24.23	29.53	WET	WET	WET	WET	WET
1987	1.81	0.12	1.86	1.26	2.44	1.50	2.35	7.63	7.62	11.70	10.64	12.49	NORM	DRY	DRY	DRY	NORM
1988	0.46	0.44	5.01	1.40	1.25	5.80	3.03	16.37	14.66	11.56	21.30	21.94	WET	NORM	DRY	NORM	WET
1989	1.54	3.55	2.53	1.81	4.08	5.52	3.40	16.23	14.04	18.39	26.53	25.32	WET	NORM	NORM	WET	WET
1990	1.88	1.76	3.22	3.64	1.84	3.35	1.23	15.06	19.12	16.02	17.37	12.23	NORM	NORM	NORM	NORM	NORM
1991	0.69	4.71	5.79	5.25	2.63	3.19	3.89	27.48	32.04	24.18	20.08	20.68	WET	WET	NORM	NORM	WET
1992	0.95	1.28	0.48	5.77	2.66	1.23	1.58	4.95	19.55	20.00	14.78	9.86	DRY	NORM	NORM	NORM	NORM
1993	0.89	1.75	2.86	6.02	11.23	2.04	1.08	12.97	25.53	48.59	34.60	18.55	NORM	WET	WET	WET	NORM
1994	0.38	3.32	1.32	1.30	8.48	2.66	1.48	10.98	9.86	29.36	26.24	18.24	NORM	DRY	WET	WET	NORM
1995	2.04	2.61	2.85	3.01	7.88	3.77	3.72	15.81	17.34	32.51	30.08	26.58	WET	NORM	WET	WET	WET
1996	0.00	0.27	3.98	3.14	2.23	2.23	2.74	12.48	17.65	16.95	14.29	14.91	NORM	NORM	NORM	NORM	NORM
1997	0.34	2.62	1.93	1.61	7.32	6.11	1.27	11.37	11.31	27.11	34.58	23.35	NORM	NORM	WET	WET	WET
1998	1.60	3.42	6.82	4.09	1.70	4.01	0.00	28.90	29.33	20.10	19.52	9.72	WET	WET	NORM	NORM	NORM
1999	1.08	1.13	3.56	7.30	4.11	2.51	3.52	14.02	30.15	30.49	23.05	19.69	NORM	WET	WET	NORM	WET
2000	0.96	2.03	1.44	2.92	5.39	1.66	0.90	9.34	13.67	23.45	18.68	11.41	NORM	NORM	NORM	NORM	NORM
2001	0.05	2.74	5.89	4.66	3.18	0.88	2.75	23.20	28.50	24.75	13.66	13.19	WET	WET	NORM	NORM	NORM
2002	0.25	1.76	3.18	2.05	3.26	4.66	0.94	13.31	14.27	17.06	22.55	15.40	NORM	NORM	NORM	NORM	NORM
2003	0.20	1.70	3.20	7.57	1.92	1.62	1.66	13.20	30.81	24.10	16.27	10.14	NORM	WET	NORM	NORM	NORM
2004	1.92	1.12	4.19	2.45	3.60	1.40	5.37	16.73	16.85	19.89	13.85	22.51	WET	NORM	NORM	NORM	WET
2005	0.03	0.99	4.15	7.63	2.93	3.44	1.84	14.46	32.18	28.20	23.81	15.33	NORM	WET	WET	NORM	NORM
2006	1.14	4.18	3.23	2.35	0.60	3.97	4.09	19.19	17.69	9.73	15.46	20.81	WET	NORM	DRY	NORM	WET
2007	3.09	4.39	8.60	3.32	1.41	1.66	6.22	37.67	31.55	19.47	11.12	23.39	WET	WET	NORM	DRY	WET
2008	1.68	2.79	1.47	4.28	4.46	1.82	5.69	11.67	18.57	23.41	18.66	25.17	NORM	NORM	NORM	NORM	WET
2009	2.64	0.66	1.13	3.27	4.10	6.52	3.94	7.35	12.73	19.97	31.03	28.96	NORM	NORM	NORM	WET	WET
2010	1.72	1.99	2.55	3.81	2.66	2.58	5.21	13.35	18.52	18.15	16.87	23.45	NORM	NORM	NORM	NORM	WET
2011	1.50	0.91	3.66	3.47	5.34	1.59	1.16	14.30	18.64	26.62	18.92	12.00	NORM	NORM	WET	NORM	NORM
2012	0.58	3.79	3.12	1.86	5.11	1.56	0.00	17.52	15.61	22.17	16.76	8.23	WET	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.61	1.10	1.35
April	0.86	1.84	2.25
May	1.58	2.63	3.19
June	2.22	3.48	4.19
July	2.03	3.73	4.56
August	2.17	3.06	3.63
Sept.	0.78	1.88	2.30
Jun-MAM	7.07	12.67	15.42
Jul-JMA	10.68	17.54	21.20
Aug-JJM	12.11	20.78	25.25
Sep-AJJ	12.79	20.12	24.20
Oct-SAJ	8.71	15.49	18.72

Normals are for 1971-2000 data

March	1.10
April	1.84
May	2.63
June	3.48
July	3.73
August	3.06
Sept.	1.88

Rainfall Data
Fort Pierre 17 WSW
Station #SD9032
Stanley County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.85	0.56	2.25	2.72	0.96	2.99	0.42	8.72	13.22	10.57	13.61	8.20	NORM	NORM	NORM	NORM	NORM
2	1981	1.11	0.30	3.16	2.28	4.16	1.00	0.21	11.19	13.46	20.20	13.60	6.79	NORM	NORM	WET	NORM	NORM
3	1982	2.55	0.70	7.00	3.25	4.63	2.37	1.07	24.95	24.45	27.39	19.62	12.58	WET	WET	WET	WET	WET
4	1983	1.45	0.65	3.38	1.56	0.64	0.79	0.00	12.89	12.09	8.42	5.21	2.22	NORM	NORM	NORM	DRY	DRY
5	1984	0.62	2.50	3.33	6.93	1.03	0.37	0.64	15.61	29.95	20.28	10.10	3.69	NORM	WET	WET	NORM	DRY
6	1985	0.49	0.73	1.02	1.95	1.45	1.84	2.24	5.01	8.62	9.27	10.37	11.85	DRY	DRY	NORM	NORM	WET
7	1986	1.63	5.28	4.25	4.41	1.24	0.36	3.64	24.94	27.01	16.79	7.97	12.88	WET	WET	NORM	NORM	WET
8	1987	3.08	0.15	3.01	1.44	1.27	3.00	0.52	12.41	10.49	9.70	12.98	8.83	NORM	NORM	NORM	NORM	NORM
9	1988	0.22	0.81	2.41	3.64	0.33	0.94	1.08	9.07	16.55	10.68	7.12	5.45	NORM	NORM	NORM	NORM	NORM
10	1989	1.15	1.19	0.89	0.53	1.65	1.30	4.06	6.20	4.56	6.90	7.73	16.43	DRY	DRY	DRY	NORM	WET
11	1990	0.74	2.33	1.73	2.13	2.25	1.03	0.89	10.59	12.18	12.74	9.72	6.98	NORM	NORM	NORM	NORM	NORM
12	1991	0.63	2.74	6.26	3.49	0.55	1.07	0.81	24.89	25.73	14.89	7.80	5.12	WET	WET	NORM	NORM	NORM
13	1992	1.23	0.27	0.65	3.69	6.04	2.42	1.41	3.72	12.64	26.15	23.03	15.11	DRY	NORM	WET	WET	WET
14	1993	1.81	2.62	1.57	3.38	3.78	0.64	1.35	11.76	15.90	19.67	12.86	9.11	NORM	NORM	WET	NORM	NORM
15	1994	0.18	1.73	1.82	2.03	3.40	1.12	0.31	9.10	11.46	16.08	12.19	6.57	NORM	NORM	NORM	NORM	NORM
16	1995	0.98	3.37	3.74	4.42	2.28	1.74	0.92	18.94	24.11	19.42	14.20	8.52	WET	WET	WET	NORM	NORM
17	1996	0.51	1.03	5.07	0.77	2.35	0.87	3.98	17.78	13.48	13.66	8.08	16.03	WET	NORM	NORM	NORM	WET
18	1997	0.16	2.31	3.87	4.17	4.68	2.24	0.24	16.39	22.56	26.25	20.25	9.88	WET	WET	WET	WET	NORM
19	1998	1.86	0.62	2.63	6.02	3.15	2.12	0.08	10.99	23.94	24.12	18.68	7.63	NORM	WET	WET	WET	NORM
20	1999	0.49	2.58	2.95	3.19	2.45	4.98	5.84	14.50	18.05	16.68	23.03	29.93	NORM	NORM	NORM	WET	WET
21	2000	1.39	3.13	1.82	2.26	1.23	1.27	0.03	13.11	13.55	10.03	8.53	3.86	NORM	NORM	NORM	NORM	DRY
22	2001	0.12	3.13	2.70	2.05	3.64	0.10	1.01	14.48	14.68	17.72	9.63	6.87	NORM	NORM	NORM	NORM	NORM
23	2002	0.71	0.80	0.75	1.30	0.78	1.37	1.82	4.56	6.20	5.69	6.97	8.98	DRY	DRY	DRY	NORM	NORM
24	2003	0.28	1.40	3.59	1.83	0.20	0.16	0.77	13.85	14.07	7.85	2.71	2.83	NORM	NORM	DRY	DRY	DRY
25	2004	1.89	0.17	2.71	2.64	3.08	3.64	6.37	10.36	13.51	17.23	19.72	29.47	NORM	NORM	NORM	WET	WET
26	2005	0.74	2.95	2.76	3.14	0.74	2.67	0.63	14.92	17.89	11.26	12.63	7.97	NORM	NORM	NORM	NORM	NORM
27	2006	1.18	1.12	0.38	0.58	0.74	4.08	2.88	4.56	3.62	3.76	14.30	17.54	DRY	DRY	DRY	NORM	WET
28	2007	2.50	1.62	3.69	3.33	0.35	1.95	1.40	16.81	18.99	11.40	9.88	8.45	WET	WET	NORM	NORM	NORM
29	2008	0.59	0.85	4.00	4.63	2.50	1.42	1.85	14.29	22.74	20.76	13.89	10.89	NORM	WET	WET	NORM	NORM
30	2009	0.88	1.81	0.68	3.35	3.87	4.28	0.46	6.54	13.22	18.99	23.93	13.81	DRY	NORM	WET	WET	WET
31	2010	2.06	2.01	2.45	2.55	2.91	0.45	2.61	13.43	14.56	16.28	9.72	11.64	NORM	NORM	NORM	NORM	WET
32	2011	0.35	2.05	2.69	5.51	5.13	1.57	0.68	12.52	23.96	29.10	20.48	10.31	NORM	WET	WET	WET	NORM
33	2012	1.03	2.58	1.96	2.84	1.92	0.33	0.00	12.07	15.02	13.40	7.67	2.58	NORM	NORM	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.61	1.20	1.47
April	0.94	1.91	2.34
May	1.74	2.74	3.30
June	1.54	2.59	3.15
July	1.12	2.22	2.72
August	1.00	1.63	1.97
Sept.	0.36	1.30	1.54
Jun-MAM	7.71	13.24	16.05
Jul-JMA	9.04	15.16	18.39
Aug-JJM	8.18	14.58	17.76
Sep-AJJ	6.78	11.92	14.50
Oct-SAJ	4.20	9.38	11.28

Normals are for 1971-2000 data

March	1.20
April	1.91
May	2.74
June	2.59
July	2.22
August	1.63
Sept.	1.30

NOTE:
Oahe Dam NWS Station (SD6170) was used for April-June 1984; Sept. 1984; May-Sept. 1985; July and Sept. 2012.
Pierre 24 S NWS Station (SD085) was used for Aug 2012.

Rainfall Data
Wentworth 2 WNW
Station #SD9042
Lake County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.57	0.51	1.60	7.70	2.13	6.33	0.20	6.39	26.81	23.39	30.95	15.39	DRY	WET	NORM	WET	NORM
1981	1.58	1.50	0.36	2.74	3.72	2.18	0.96	5.66	10.44	17.00	16.72	10.96	DRY	DRY	NORM	NORM	NORM
1982	1.46	1.51	4.52	1.56	3.99	1.62	3.21	18.04	15.23	19.61	14.40	16.86	NORM	NORM	NORM	NORM	NORM
1983	3.75	1.63	1.84	4.92	3.86	2.59	1.43	12.53	20.07	23.26	20.41	13.33	NORM	NORM	NORM	NORM	NORM
1984	1.46	4.19	3.21	10.12	1.63	1.34	1.47	19.47	40.97	28.34	17.40	8.72	WET	WET	WET	NORM	DRY
1985	1.96	2.52	4.06	1.58	1.39	2.53	4.09	19.18	15.38	11.39	11.95	18.72	NORM	NORM	DRY	DRY	NORM
1986	1.26	6.08	5.33	5.31	3.84	3.78	6.51	29.41	32.67	27.47	24.33	30.93	WET	WET	WET	WET	WET
1987	2.51	0.30	2.04	2.96	5.48	2.46	2.58	9.23	13.26	24.40	21.30	18.14	NORM	NORM	NORM	NORM	NORM
1988	0.60	2.15	3.00	1.25	1.19	5.06	3.10	13.90	11.90	9.07	18.81	20.61	NORM	DRY	DRY	NORM	NORM
1989	1.47	2.25	1.05	4.01	3.14	1.49	3.35	9.12	16.38	18.49	14.76	16.17	NORM	NORM	NORM	NORM	NORM
1990	1.34	1.88	5.05	7.95	3.07	3.36	0.24	20.25	35.83	30.16	24.17	10.51	WET	WET	WET	WET	NORM
1991	0.21	2.69	5.05	7.66	2.48	1.63	3.55	20.74	35.77	27.81	17.51	16.39	WET	WET	WET	NORM	NORM
1992	1.68	1.45	0.95	4.03	6.07	5.16	3.28	7.43	15.44	27.22	31.65	26.23	DRY	NORM	WET	WET	WET
1993	1.30	2.73	4.04	9.18	8.86	1.84	1.77	18.88	38.35	48.98	32.42	17.85	NORM	WET	WET	WET	NORM
1994	0.27	2.84	2.22	8.06	1.89	2.66	2.16	12.61	31.46	24.01	19.82	13.69	NORM	WET	NORM	NORM	NORM
1995	3.44	4.85	4.49	2.01	5.85	3.76	3.48	26.61	19.86	26.06	24.99	23.81	WET	NORM	WET	WET	WET
1996	0.80	0.38	5.70	3.44	1.16	3.32	6.05	18.66	22.10	16.06	15.72	25.95	NORM	NORM	NORM	NORM	WET
1997	0.24	2.18	2.32	2.06	1.61	1.78	3.79	11.56	13.00	11.27	10.62	16.54	NORM	NORM	DRY	DRY	NORM
1998	1.87	2.29	1.02	2.93	4.36	4.44	1.17	9.51	13.12	19.96	24.97	16.75	NORM	NORM	NORM	WET	NORM
1999	1.24	4.45	4.92	3.93	3.48	2.03	2.62	24.90	26.08	23.22	16.98	15.40	WET	WET	NORM	NORM	NORM
2000	1.11	2.79	5.45	2.57	4.09	2.04	1.94	23.04	21.40	22.86	16.87	13.99	WET	NORM	NORM	NORM	NORM
2001	0.89	5.70	1.89	3.35	1.89	1.96	2.75	17.96	19.53	14.26	13.01	14.06	NORM	NORM	NORM	NORM	NORM
2002	1.19	1.33	1.12	1.93	0.55	6.38	1.07	7.21	9.36	6.63	22.17	16.52	DRY	DRY	DRY	NORM	NORM
2003	0.14	2.99	2.22	3.73	1.73	1.52	3.06	12.78	18.62	14.87	11.75	13.95	NORM	NORM	NORM	DRY	NORM
2004	1.75	1.07	5.28	3.00	8.03	2.41	5.64	19.73	20.63	35.37	26.29	29.77	WET	NORM	WET	WET	WET
2005	1.04	2.04	4.19	6.81	3.97	2.5	6.73	17.69	30.85	29.72	22.25	29.16	NORM	WET	WET	NORM	WET
2006	1.96	3.01	1.04	2.76	1.28	4.96	6.09	11.10	13.37	10.40	20.20	29.47	NORM	NORM	DRY	NORM	WET
2007	2.31	4.67	5.03	1.86	1.24	6.05	1.39	26.74	20.31	12.47	22.49	17.51	WET	NORM	DRY	NORM	NORM
2008	1.09	3.07	2.12	2.87	3.05	0.90	1.84	13.59	15.92	17.01	11.67	10.37	NORM	NORM	NORM	DRY	NORM
2009	1.52	2.40	1.47	5.35	4.67	2.17	1.07	10.73	21.39	26.18	21.20	12.22	NORM	NORM	WET	NORM	NORM
2010	1.09	2.15	2.13	6.03	6.43	7.40	7.39	11.78	24.50	33.48	41.09	43.40	NORM	NORM	WET	WET	WET
2011	1.03	3.00	4.38	2.85	7.09	2.13	0.21	20.17	20.31	31.35	23.42	11.98	WET	NORM	WET	NORM	NORM
2012	0.48	2.84	9.97	1.47	0.55	2.88	1.55	36.07	27.19	14.56	11.21	10.96	WET	WET	NORM	DRY	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.89	1.59	1.94
April	1.42	2.31	2.80
May	1.79	3.22	3.92
June	2.34	3.95	4.80
July	2.04	3.21	3.87
August	2.07	3.11	3.73
Sept.	1.39	2.58	3.15
Jun-MAM	9.10	15.87	19.30
Jul-JMA	12.02	20.60	25.04
Aug-JJM	12.59	20.75	25.13
Sep-AJJ	12.63	19.70	23.73
Oct-SAJ	10.35	17.17	20.78

Normals are for 1971-2000 data

March	1.59
April	2.31
May	3.22
June	3.95
July	3.21
August	3.11
Sept.	2.58

Note:

Madison 2 SE NWS Station (SD5090) was used for July 1990; August and September 2006; and March-Sept. 2007; 2010-2012.

Chester 2 N NWS Station (SD1636) was used for March, April, June, August, and September 2008, and March - Sept. 2009.

Colton NWS Station (SD1851) was used for May and July 2008.

Rainfall Data
Wessington 2 SE
Station #SD9064
Beadle County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
	1964	0.4	3.06	4.33	1.35	0.85	1.88	0.79	19.51	15.77	9.58	8.69	6.98	WET	NORM	DRY	NORM	NORM
	1970	1.7	4.94	3.21	3.02	2.36	2.18	0.69	21.21	20.42	16.33	14.28	8.79	WET	NORM	NORM	NORM	NORM
1	1980	0.49	1.42	2.01	4.00	2.60	3.52	0.30	9.36	17.44	17.81	19.76	10.54	NORM	NORM	NORM	WET	NORM
2	1981	2.66	0.30	0.73	2.12	2.10	2.56	0.76	5.45	8.12	11.27	14.00	9.50	DRY	DRY	NORM	NORM	NORM
3	1982	1.40	0.99	6.26	0.87	4.53	1.45	2.01	22.16	16.12	21.59	14.28	13.46	WET	NORM	WET	NORM	NORM
4	1983	1.83	0.90	1.94	4.41	1.48	0.77	2.22	9.45	18.01	15.20	9.68	9.68	NORM	NORM	NORM	NORM	NORM
5	1984	1.54	2.84	2.44	5.49	0.69	2.10	0.87	14.54	24.19	15.49	13.17	7.50	NORM	WET	NORM	NORM	NORM
6	1985	4.01	1.57	2.03	2.36	4.67	2.57	1.06	13.24	12.71	20.76	19.41	12.99	NORM	NORM	WET	WET	NORM
7	1986	1.56	5.08	3.15	1.27	4.21	1.09	5.37	21.17	15.19	18.32	12.96	22.50	WET	NORM	NORM	NORM	WET
8	1987	4.36	1.16	1.42	1.04	1.37	2.26	0.95	10.94	7.12	7.61	10.56	8.74	NORM	DRY	DRY	NORM	NORM
9	1988	0.75	1.91	5.40	0.40	2.89	1.81	3.13	20.77	13.91	14.87	11.61	15.90	WET	NORM	NORM	NORM	WET
10	1989	2.23	3.03	1.22	1.89	1.66	1.36	1.73	11.95	11.14	9.98	9.29	9.57	NORM	NORM	NORM	NORM	NORM
11	1990	0.40	1.85	5.02	4.12	1.35	1.52	0.39	19.16	24.25	17.31	11.38	5.56	WET	WET	NORM	NORM	DRY
12	1991	0.93	6.38	6.09	2.69	1.96	2.32	3.39	31.96	26.63	17.35	13.57	16.77	WET	WET	NORM	NORM	WET
13	1992	0.62	0.65	0.45	4.88	6.59	2.21	1.32	3.27	16.19	29.98	24.69	14.97	DRY	NORM	WET	WET	NORM
14	1993	1.60	2.65	3.11	6.88	3.17	0.86	1.43	16.23	29.51	26.38	15.80	9.18	NORM	WET	WET	NORM	NORM
15	1994	0.12	4.34	0.76	3.84	3.17	3.88	1.30	11.08	17.38	17.95	21.82	14.83	NORM	NORM	NORM	WET	NORM
16	1995	3.62	5.81	6.78	2.62	1.22	2.19	3.11	35.58	27.23	15.68	11.63	14.93	WET	WET	NORM	NORM	NORM
17	1996	1.00	0.20	5.03	1.44	1.73	0.47	7.54	16.49	14.58	13.10	6.31	25.29	NORM	NORM	NORM	DRY	WET
18	1997	0.16	2.45	2.82	1.80	6.83	2.60	2.21	13.52	13.49	26.91	23.26	18.66	NORM	NORM	WET	WET	WET
19	1998	1.79	1.72	3.73	3.35	2.16	3.60	0.00	16.42	19.23	16.91	18.47	9.36	NORM	NORM	NORM	WET	NORM
20	1999	0.45	2.50	4.24	3.55	1.64	3.39	2.30	18.17	21.63	16.26	17.00	15.32	NORM	WET	NORM	WET	WET
21	2000	0.15	2.08	3.47	2.40	3.98	2.90	0.00	14.72	16.22	20.21	19.06	9.78	NORM	NORM	WET	WET	NORM
22	2001	0.00	7.34	2.65	4.24	1.28	0.64	2.17	22.63	25.36	14.97	8.72	9.07	WET	WET	NORM	NORM	NORM
23	2002	1.52	1.65	1.62	0.55	0.84	3.51	0.44	9.68	6.54	5.24	12.76	9.18	NORM	DRY	DRY	NORM	NORM
24	2003	0.48	1.69	2.20	3.08	2.00	1.08	1.38	10.46	15.33	14.36	10.32	8.30	NORM	NORM	NORM	NORM	NORM
25	2004	2.42	1.12	3.07	3.33	4.75	1.91	3.50	13.87	17.25	23.98	18.56	19.07	NORM	NORM	WET	WET	WET
26	2005	0.35	0.89	2.63	8.33	1.93	1.2	5.34	10.02	31.14	25.08	15.79	20.35	NORM	WET	WET	NORM	WET
27	2006	1.88	1.34	1.16	1.79	0.12	6.26	3.00	8.04	9.03	5.10	20.81	21.64	DRY	DRY	DRY	WET	WET
28	2007	2.15	2.33	9.16	4.80	0.10	7.60	1.27	34.29	35.05	19.06	27.80	19.11	WET	WET	NORM	WET	WET
29	2008	1.26	2.61	2.93	5.78	5.34	0.75	5.03	15.27	25.81	30.51	18.71	21.93	NORM	WET	WET	WET	WET
30	2009	2.70	1.57	0.58	4.04	3.05	3.17	0.83	7.58	14.85	17.81	19.65	11.88	DRY	NORM	NORM	WET	NORM
31	2010	1.75	3.82	5.20	9.82	5.61	1.89	3.42	24.99	43.68	41.67	26.71	19.65	WET	WET	WET	WET	WET
32	2011	1.09	2.68	5.25	4.95	1.87	3.19	0.55	22.20	28.03	20.76	18.26	9.90	WET	WET	WET	WET	NORM
33	2012	0.57	5.65	2.92	1.20	0.58	0.65	0.10	20.63	15.09	7.06	4.31	2.18	WET	NORM	DRY	DRY	DRY
34	2013	0.67	3.53	5.17					23.24	13.87	5.17	0.00	0.00	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.64	1.53	1.86
April	1.35	2.42	2.95
May	1.78	3.10	3.78
June	1.77	2.84	3.43
July	1.45	2.47	2.99
August	1.31	2.07	2.49
Sept.	0.80	1.87	2.37
Jun-MAM	8.68	15.67	19.10
Jul-JMA	10.22	17.14	20.80
Aug-JJM	9.67	16.19	19.61
Sep-AJJ	8.60	13.99	16.88
Oct-SAJ	6.47	12.22	15.08

Normals are for 1971-2000 data

March	1.53
April	2.42
May	3.10
June	2.84
July	2.47
August	2.07
Sept.	1.87

Note:
Huron AP NWS Station (SD4127) was used for April-Sept. 1985; March-May 1986; and March 1997.

Rainfall Data
Wessington Springs
Station #SD9070
Jerauld County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.13	1.07	1.58	3.52	0.94	3.93	0.31	8.01	14.79	11.44	17.19	9.73	DRY	NORM	NORM	NORM	NORM
1981	2.68	0.32	1.14	2.30	3.75	3.82	1.09	6.74	9.50	16.99	21.26	14.66	DRY	DRY	NORM	WET	NORM
1982	2.06	1.07	7.34	1.55	4.46	4.50	3.07	26.22	20.40	23.82	23.97	22.67	WET	NORM	WET	WET	WET
1983	3.18	1.77	2.36	3.99	2.88	2.07	2.41	13.80	18.46	18.98	15.96	14.25	NORM	NORM	NORM	NORM	NORM
1984	1.26	4.11	2.98	6.04	1.20	3.03	0.86	18.42	28.19	18.66	17.53	9.84	NORM	WET	NORM	NORM	NORM
1985	1.53	1.37	2.83	3.48	2.01	2.42	4.43	12.76	17.47	15.82	14.76	20.14	NORM	NORM	NORM	NORM	WET
1986	1.85	5.25	4.94	5.46	3.00	2.00	5.95	27.17	31.51	24.86	17.46	24.85	WET	WET	WET	NORM	WET
1987	5.61	0.70	4.38	1.39	4.51	4.19	1.24	20.15	13.63	20.69	22.98	16.61	NORM	NORM	NORM	WET	NORM
1988	1.72	2.35	6.08	0.53	1.45	1.69	3.44	24.66	16.10	11.49	8.50	15.15	WET	NORM	NORM	DRY	NORM
1989	2.35	1.54	1.07	2.53	3.94	1.23	2.33	8.64	11.27	17.95	14.10	13.39	DRY	DRY	NORM	NORM	NORM
1990	1.34	3.05	6.37	5.02	3.35	1.88	0.45	26.55	30.85	26.46	17.36	8.46	WET	WET	WET	NORM	NORM
1991	1.11	4.43	6.47	4.33	0.67	3.14	1.47	29.38	30.36	17.14	15.09	11.36	WET	WET	NORM	NORM	NORM
1992	1.37	1.50	1.30	3.31	5.42	4.21	2.40	8.27	14.03	24.18	26.78	21.04	DRY	NORM	WET	WET	WET
1993	1.92	3.35	4.01	6.90	3.98	0.05	3.10	20.65	32.07	29.75	15.01	13.38	NORM	WET	WET	NORM	NORM
1994	0.20	3.60	1.32	4.59	2.75	1.60	1.85	11.36	20.01	18.75	14.89	11.50	NORM	NORM	NORM	NORM	NORM
1995	3.66	5.70	7.60	1.85	2.53	2.00	4.12	37.86	26.45	18.89	12.91	18.89	WET	WET	NORM	NORM	WET
1996	1.52	1.08	6.31	1.14	2.97	0.48	7.54	22.61	17.12	17.50	8.52	26.55	WET	NORM	NORM	DRY	WET
1997	0.48	3.15	3.65	2.14	3.82	2.67	2.45	17.73	16.87	19.39	17.79	16.51	NORM	NORM	NORM	NORM	NORM
1998	1.11	3.54	2.33	6.12	2.69	3.96	0.43	15.18	26.56	22.64	23.38	11.90	NORM	WET	WET	WET	NORM
1999	0.84	3.93	4.72	3.29	1.42	3.01	2.04	22.86	23.24	15.56	15.16	13.56	WET	NORM	NORM	NORM	NORM
2000	0.41	2.45	3.16	1.87	3.95	1.72	0.26	14.79	14.38	18.75	14.93	8.17	NORM	NORM	NORM	NORM	NORM
2001	0.47	8.81	3.49	2.70	3.66	0.00	2.11	28.56	23.89	19.87	10.02	9.99	WET	WET	NORM	NORM	NORM
2002	1.57	2.18	1.97	2.30	0.57	4.09	1.30	11.84	13.02	8.28	15.71	12.65	NORM	NORM	DRY	NORM	NORM
2003	0.51	2.59	2.25	5.05	3.28	1.54	2.80	12.44	22.24	22.19	16.23	14.76	NORM	NORM	NORM	NORM	NORM
2004	3.22	1.53	4.35	4.33	2.38	3.40	6.09	19.33	23.22	20.15	19.29	27.45	NORM	NORM	NORM	WET	WET
2005	0.57	1.87	3.75	6.92	1.35	1.92	4.25	15.56	30.13	21.64	15.38	17.94	NORM	WET	NORM	NORM	WET
2006	0.85	2.26	1.98	1.96	0.46	3.71	6.02	11.31	12.10	7.28	14.01	25.94	NORM	DRY	DRY	NORM	WET
2007	2.96	4.27	7.85	4.60	0.22	4.14	1.35	35.05	33.77	17.71	17.46	12.55	WET	WET	NORM	NORM	NORM
2008	1.38	2.41	2.95	3.94	2.87	1.36	2.90	15.05	20.13	19.44	13.76	14.29	NORM	NORM	NORM	NORM	NORM
2009	1.62	2.16	1.86	6.29	6.04	1.74	1.37	11.52	24.75	32.56	23.59	13.63	NORM	WET	WET	WET	NORM
2010	1.41	3.46	3.44	10.44	10.78	3.95	3.97	18.65	41.66	56.66	43.85	30.59	NORM	WET	WET	WET	WET
2011	1.00	3.36	4.64	5.29	2.90	1.53	0.34	21.64	28.51	23.92	15.68	6.98	NORM	WET	WET	NORM	NORM
2012	1.04	5.84	3.06	4.13	0.25	1.12	1.61	21.90	24.35	12.07	7.99	7.32	NORM	WET	NORM	DRY	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.96	1.86	2.27
April	1.65	2.64	3.19
May	2.35	3.78	4.57
June	2.01	3.12	3.76
July	1.65	2.82	3.43
August	1.14	2.22	2.71
Sept.	0.84	2.16	2.62
Jun-MAM	11.31	18.48	22.36
Jul-JMA	12.38	19.56	23.61
Aug-JJM	11.32	18.48	22.38
Sep-AJJ	8.73	15.42	18.75
Oct-SAJ	6.45	13.74	16.71

Normals are for 1971-2000 data

March	1.86
April	2.64
May	3.78
June	3.12
July	2.82
August	2.22
Sept.	2.16

Rainfall Data
Westport
Station #SD9138
Brown County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.54	0.58	2.52	2.40	1.08	5.05	0.83	9.26	12.82	10.56	19.71	13.67	DRY	DRY	DRY	NORM	NORM
2	1981	0.70	1.21	1.71	3.19	5.69	1.62	0.98	8.25	14.20	25.16	19.43	11.87	DRY	DRY	WET	NORM	NORM
3	1982	0.72	0.39	2.33	2.08	3.11	0.70	2.08	8.49	11.29	15.82	10.40	10.75	DRY	DRY	NORM	DRY	NORM
4	1983	2.14	0.61	1.50	4.93	7.52	3.46	1.16	7.86	18.40	33.92	30.35	17.92	DRY	NORM	WET	WET	NORM
5	1984	2.03	2.63	0.85	5.30	1.70	0.78	0.79	9.84	20.23	16.55	11.04	5.63	DRY	NORM	NORM	NORM	DRY
6	1985	1.75	0.55	3.12	1.95	1.35	3.67	3.50	12.21	12.64	11.07	15.66	19.19	DRY	DRY	DRY	NORM	NORM
7	1986	0.16	10.56	3.14	1.41	3.90	3.90	1.56	30.70	21.07	17.66	20.91	16.38	WET	NORM	NORM	NORM	NORM
8	1987	1.89	0.00	1.48	0.70	4.20	1.38	1.92	6.33	5.06	15.48	13.24	12.72	DRY	DRY	NORM	NORM	NORM
9	1988	0.25	0.10	4.05	1.40	1.39	2.65	3.92	12.60	12.40	11.02	12.13	18.45	DRY	DRY	DRY	NORM	NORM
10	1989	1.50	2.10	0.87	2.82	3.30	2.70	2.15	8.31	12.30	16.41	17.52	15.15	DRY	DRY	NORM	NORM	NORM
11	1990	1.10	2.66	1.65	6.17	1.96	2.10	1.50	11.37	24.47	19.87	16.39	10.66	DRY	NORM	NORM	NORM	NORM
12	1991	0.74	3.28	5.81	4.13	0.55	1.47	0.64	24.73	27.29	15.72	9.64	5.41	WET	WET	NORM	DRY	DRY
13	1992	0.93	0.34	2.20	4.01	3.46	1.74	2.19	8.21	16.77	20.60	16.15	13.51	DRY	NORM	NORM	NORM	NORM
14	1993	0.43	1.32	3.80	5.75	10.29	3.41	1.68	14.47	26.17	46.17	36.56	22.15	NORM	WET	WET	WET	WET
15	1994	0.20	1.39	0.33	0.77	4.26	3.52	2.03	3.97	4.36	14.65	19.85	17.39	DRY	DRY	NORM	NORM	NORM
16	1995	1.86	1.49	4.14	0.96	3.35	1.46	1.21	17.26	12.65	16.11	12.04	9.90	NORM	DRY	NORM	NORM	NORM
17	1996	0.76	0.30	5.20	3.00	0.25	0.50	4.50	16.96	19.70	11.95	5.00	14.75	NORM	NORM	DRY	DRY	NORM
18	1997	0.69	2.07	1.57	2.21	3.54	0.52	1.33	9.54	11.84	16.61	10.85	8.57	DRY	DRY	NORM	NORM	DRY
19	1998	1.61	2.01	4.93	5.56	1.07	4.21	0.13	20.42	28.55	19.26	20.33	9.88	NORM	WET	NORM	NORM	NORM
20	1999	1.08	1.13	2.76	4.31	3.63	1.91	8.27	11.62	19.58	22.27	17.30	32.26	DRY	NORM	NORM	NORM	WET
21	2000	4.70	1.45	2.28	6.39	3.61	1.85	0.62	14.44	25.18	25.89	19.16	9.17	NORM	WET	WET	NORM	DRY
22	2001	0.20	3.25	3.29	2.81	5.81	0.68	1.82	16.57	18.26	26.34	16.47	12.63	NORM	NORM	WET	NORM	NORM
23	2002	0.37	0.85	1.24	0.45	3.58	3.48	1.17	5.79	4.68	12.88	18.05	14.05	DRY	DRY	DRY	NORM	NORM
24	2003	0.17	2.52	4.75	7.74	1.83	1.52	1.44	19.46	35.24	25.72	15.96	9.19	NORM	WET	WET	NORM	NORM
25	2004	1.85	0.51	8.99	2.62	2.76	3.45	3.82	29.84	26.35	22.51	18.49	21.12	WET	WET	NORM	NORM	WET
26	2005	0.06	0.4	2.57	8.21	3.38	3.32	2.14	8.57	30.17	29.13	24.93	16.44	DRY	WET	WET	WET	NORM
27	2006	0.95	2.29	2.29	0.98	0.79	4.58	2.84	12.40	9.81	6.62	16.30	18.47	DRY	DRY	DRY	NORM	NORM
28	2007	1.26	3.44	9.03	3.63	2.73	3.01	2.53	35.23	32.39	24.48	18.12	16.34	WET	WET	NORM	NORM	NORM
29	2008	1.10	1.31	2.61	3.22	4.46	3.51	3.87	11.55	16.19	22.43	22.67	23.09	DRY	NORM	NORM	NORM	WET
30	2009	1.86	1.82	0.85	5.38	3.67	6.68	4.47	8.05	19.66	22.62	32.76	30.44	DRY	NORM	NORM	WET	WET
31	2010	1.43	1.39	4.68	3.60	3.46	1.67	5.87	18.25	21.55	22.26	15.53	24.41	NORM	NORM	NORM	NORM	WET
32	2011	1.08	2.33	2.82	5.93	7.50	1.48	0.42	14.20	25.76	37.18	25.37	11.72	NORM	WET	WET	WET	NORM
33	2012	0.72	3.55	1.84	1.94	3.73	1.38	0.33	13.34	13.05	16.91	13.54	7.48	NORM	DRY	NORM	NORM	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	Interpolated from nearby stations.		
April	Interpolated from nearby stations.		
May	Interpolated from nearby stations.		
June	Interpolated from nearby stations.		
July	Interpolated from nearby stations.		
August	Interpolated from nearby stations.		
Sept.	Interpolated from nearby stations.		
Jun-MAM	12.7		22.3
Jul-JMA	14.3		25.1
Aug-JJM	13.1		25.1
Sep-AJJ	10.8		23.0
Oct-SAJ	9.2		19.9

Normals are for 1971-2000 data

Note: Westport 1 N NWS Station (SD9136) was used for Aug. 1980 - March 1981, Aug. 1981 - Aug. 1982, March 1983 - March 1988, May - Sept. 1988, April 1989, June - Sept. 1989, and May 2000 - March 2001.

Columbia 8 N NWS Station (SD1873) was used for March - July 1980, April - July 1981, Sept. 1982, April 1988, March 1989, May 1989, June - July 1992, April 1993, March 1995, March 1996, March 1997- April 2000, April 2001 - March 2005, and Sept. 2008.

Rainfall Data
White Lake
Station #SD9232
Aurora County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.70	0.20	1.34	3.60	0.97	3.08	0.23	5.12	13.68	11.45	14.78	7.82	DRY	NORM	DRY	NORM	NORM
1981	1.92	1.15	1.62	2.25	2.50	4.93	0.80	9.08	11.14	13.62	22.04	14.76	DRY	DRY	NORM	WET	NORM
1982	1.65	1.05	8.11	1.49	3.75	2.87	2.60	28.08	21.74	22.34	17.60	17.29	WET	NORM	NORM	NORM	WET
1983	2.56	1.47	1.72	4.49	3.14	0.55	0.30	10.66	18.38	20.12	12.42	5.14	NORM	NORM	NORM	NORM	DRY
1984	1.30	4.53	3.01	7.88	2.41	2.70	0.38	19.39	34.19	26.00	20.80	8.95	NORM	WET	WET	WET	NORM
1985	2.05	2.63	3.27	2.30	1.50	6.52	2.85	17.12	16.07	12.37	24.86	23.09	NORM	NORM	NORM	WET	WET
1986	2.05	4.97	3.68	5.05	1.78	0.25	6.36	23.03	27.48	19.12	9.36	21.36	WET	WET	NORM	NORM	WET
1987	5.05	0.68	0.85	2.90	4.20	3.94	1.10	8.96	11.08	19.25	23.12	15.38	DRY	DRY	NORM	WET	NORM
1988	0.95	1.83	5.10	1.26	0.91	0.82	3.30	19.91	15.81	10.35	5.54	12.45	NORM	NORM	DRY	DRY	NORM
1989	1.38	1.09	1.53	2.80	2.55	1.30	0.97	8.15	12.55	14.78	11.80	8.06	DRY	NORM	NORM	NORM	NORM
1990	1.57	1.80	5.41	3.78	2.92	2.04	0.10	21.40	23.96	21.73	15.74	7.30	WET	WET	NORM	NORM	NORM
1991	0.60	4.65	4.92	2.37	1.27	1.05	1.10	24.66	21.60	13.47	8.06	6.67	WET	NORM	NORM	DRY	NORM
1992	1.22	1.56	0.78	2.52	7.49	6.93	1.91	6.68	10.68	28.29	38.29	27.08	DRY	DRY	WET	WET	WET
1993	1.10	4.04	3.84	5.96	6.32	1.01	2.75	20.70	29.60	34.72	21.63	16.59	NORM	WET	WET	WET	WET
1994	0.00	2.89	1.39	3.95	2.89	0.86	1.84	9.95	17.52	17.96	12.31	10.13	DRY	NORM	NORM	NORM	NORM
1995	3.15	4.72	7.10	1.68	1.58	1.57	3.88	33.89	23.96	15.20	9.55	16.36	WET	WET	NORM	NORM	NORM
1996	0.00	0.70	7.67	2.52	1.58	3.03	8.40	24.41	23.60	17.45	14.77	32.84	WET	WET	NORM	NORM	WET
1997	0.00	3.20	4.20	3.00	4.30	2.22	2.93	19.00	20.60	23.10	18.26	17.53	NORM	NORM	WET	NORM	WET
1998	1.05	3.22	2.72	6.23	6.84	3.43	0.12	15.65	27.35	35.70	30.20	14.06	NORM	WET	WET	WET	NORM
1999	0.42	3.92	5.42	4.63	2.92	3.60	2.01	24.52	28.65	23.44	21.27	16.15	WET	WET	WET	WET	NORM
2000	0.61	1.88	3.61	1.63	1.86	1.55	0.46	15.20	13.99	12.45	10.00	6.34	NORM	NORM	NORM	NORM	NORM
2001	0.10	5.98	3.10	2.63	1.07	0.00	3.66	21.36	20.07	11.57	4.77	12.05	WET	NORM	DRY	DRY	NORM
2002	0.92	1.80	2.02	1.80	0.30	3.89	1.62	10.58	11.24	6.52	14.07	12.94	NORM	DRY	DRY	NORM	NORM
2003	0.20	3.21	3.31	2.94	0.78	2.05	2.37	16.55	18.65	11.53	10.65	11.99	NORM	NORM	DRY	NORM	NORM
2004	2.77	0.80	4.50	5.69	2.18	1.07	4.40	17.87	26.87	22.42	13.26	17.52	NORM	WET	NORM	NORM	WET
2005	0.55	2.86	2.84	6.99	0.3	0.85	2.48	14.79	29.51	17.72	10.14	9.44	NORM	WET	NORM	NORM	NORM
2006	0.75	3.73	0.65	1.85	0.60	2.40	3.91	10.16	10.58	6.15	10.25	17.13	DRY	DRY	DRY	NORM	WET
2007	2.38	3.73	6.58	4.37	0.16	6.45	1.82	29.58	30.00	15.80	24.04	18.52	WET	WET	NORM	WET	WET
2008	0.92	2.32	3.39	6.59	3.40	0.73	1.88	15.73	28.87	26.77	15.58	10.50	NORM	WET	WET	NORM	NORM
2009	1.47	1.82	1.34	3.31	3.28	3.23	1.02	9.13	14.43	17.80	19.56	12.80	DRY	NORM	NORM	WET	NORM
2010	0.85	3.22	3.62	6.45	7.44	2.54	2.87	18.15	29.81	38.84	28.95	21.13	NORM	WET	WET	WET	WET
2011	1.02	2.74	4.12	6.62	1.64	2.35	0.35	18.86	30.84	22.28	16.95	7.39	NORM	WET	NORM	NORM	NORM
2012	0.75	4.65	5.29	2.60	0.17	0.77	0.35	25.92	23.03	11.00	5.25	2.76	WET	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.63	1.43	1.82
April	1.46	2.49	3.02
May	2.27	3.60	4.34
June	2.15	3.19	3.81
July	1.68	2.88	3.50
August	0.98	2.21	2.69
Sept.	0.69	2.09	2.50
Jun-MAM	10.36	17.21	20.88
Jul-JMA	12.45	19.26	23.13
Aug-JJM	11.61	18.62	22.46
Sep-AJJ	8.45	15.58	18.88
Oct-SAJ	5.71	13.57	16.38

Normals are for 1971-2000 data

March	1.43
April	2.49
May	3.60
June	3.19
July	2.88
August	2.21
Sept.	2.09

Note: Academy 2 NE NWS Station (SD0043) was used for May-Aug. 2004.

Rainfall Data
Wilmot
Station #SD9337
Roberts County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.70	0.53	2.66	4.19	2.79	1.79	0.61	9.74	18.42	19.41	15.14	8.20	NORM	NORM	NORM	NORM	NORM
1981	1.19	0.87	2.46	4.96	5.87	1.13	0.37	10.31	20.67	29.99	20.09	9.24	NORM	NORM	WET	NORM	NORM
1982	1.31	0.37	3.27	0.85	4.38	1.62	2.36	11.86	9.46	18.11	14.47	14.70	NORM	DRY	NORM	NORM	NORM
1983	3.32	0.53	0.64	2.65	2.72	3.85	2.89	6.30	9.76	14.10	19.64	19.09	DRY	DRY	NORM	NORM	WET
1984	2.73	2.99	1.37	9.82	1.39	2.59	1.53	12.82	35.19	25.18	20.37	11.16	NORM	WET	WET	NORM	NORM
1985	1.51	1.81	2.26	1.45	1.86	3.78	3.77	11.91	10.68	10.74	16.51	20.73	NORM	NORM	DRY	NORM	WET
1986	1.24	6.82	3.35	3.00	6.49	3.56	4.36	24.93	22.52	28.82	26.66	26.69	WET	WET	WET	WET	WET
1987	1.88	0.50	2.40	0.70	4.17	0.71	1.58	10.08	7.40	16.31	11.17	10.33	NORM	DRY	NORM	NORM	NORM
1988	1.13	0.52	2.73	0.70	1.50	5.65	4.34	10.36	8.08	8.63	20.65	25.82	NORM	DRY	DRY	NORM	WET
1989	2.13	3.41	1.11	1.87	2.94	4.66	3.57	12.28	11.24	13.67	21.73	22.97	NORM	NORM	NORM	WET	WET
1990	1.27	1.84	1.08	4.05	2.50	3.94	1.04	8.19	16.15	16.68	20.87	13.50	NORM	NORM	NORM	NORM	NORM
1991	1.21	3.54	4.60	7.10	5.32	4.41	3.25	22.09	34.04	34.76	30.97	23.89	WET	WET	WET	WET	WET
1992	0.92	1.34	1.25	5.41	2.11	1.08	2.11	7.35	20.07	18.40	12.87	10.60	DRY	NORM	NORM	NORM	NORM
1993	1.56	2.15	2.54	4.80	5.75	1.34	1.99	13.48	21.63	29.39	20.32	14.40	NORM	WET	WET	NORM	NORM
1994	0.61	3.99	1.89	2.33	5.68	3.37	1.58	14.26	14.76	23.59	23.80	17.16	NORM	NORM	WET	WET	NORM
1995	3.99	3.11	3.31	2.81	4.14	3.99	2.03	20.14	18.16	21.35	23.06	18.21	WET	NORM	NORM	WET	WET
1996	0.95	0.04	4.63	2.99	3.77	0.83	2.04	14.92	18.27	21.92	13.02	11.55	NORM	NORM	NORM	NORM	NORM
1997	1.38	2.61	1.43	0.89	3.69	3.63	0.94	10.89	8.14	14.28	19.16	13.77	NORM	DRY	NORM	NORM	NORM
1998	1.18	3.34	3.54	3.28	2.50	3.14	0.03	18.48	20.26	17.60	17.70	8.87	WET	NORM	NORM	NORM	NORM
1999	1.01	1.39	1.82	3.40	2.90	3.22	2.01	9.25	15.23	17.32	18.86	15.37	NORM	NORM	NORM	NORM	NORM
2000	0.67	2.82	2.19	2.27	4.58	0.66	1.43	12.88	14.01	20.47	13.41	10.19	NORM	NORM	NORM	NORM	NORM
2001	0.46	6.93	2.83	5.72	3.48	0.67	2.15	22.81	29.75	24.71	14.69	11.27	WET	WET	WET	NORM	NORM
2002	0.62	2.08	3.18	3.38	2.52	5.71	0.90	14.32	18.58	17.50	25.55	16.64	NORM	NORM	NORM	WET	NORM
2003	0.24	2.24	2.96	4.88	2.95	0.49	1.67	13.60	22.80	21.57	12.25	8.94	NORM	WET	NORM	NORM	NORM
2004	1.19	1.79	5.14	2.60	2.86	1.39	6.58	20.19	19.87	18.92	12.49	25.38	WET	NORM	NORM	NORM	WET
2005	0.13	1.37	2.48	5.71	2.96	3.6	2.52	10.31	23.46	22.78	22.43	17.72	NORM	WET	NORM	WET	WET
2006	0.11	3.26	2.34	1.93	0.73	2.41	6.80	13.65	13.73	8.39	10.62	25.95	NORM	NORM	DRY	DRY	WET
2007	2.63	4.40	2.91	2.88	3.38	1.81	4.24	20.16	18.86	18.81	15.07	19.72	WET	NORM	NORM	NORM	WET
2008	1.97	2.20	2.14	6.51	4.27	1.82	2.06	12.79	26.01	27.97	20.51	14.09	NORM	WET	WET	NORM	NORM
2009	2.87	0.70	1.16	2.33	2.20	4.70	3.06	7.75	10.01	12.42	20.83	20.78	DRY	NORM	NORM	NORM	WET
2010	1.32	2.17	2.46	3.31	2.58	4.03	4.11	13.04	17.02	16.82	20.56	22.97	NORM	NORM	NORM	NORM	WET
2011	2.15	1.08	4.74	4.02	7.35	1.00	0.20	18.53	22.62	34.83	21.72	9.95	WET	WET	WET	WET	NORM
2012	1.00	0.97	2.96	2.26	0.75	1.92	0.18	11.82	13.67	9.73	9.52	5.13	NORM	NORM	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.89	1.58	1.93
April	1.01	2.12	2.59
May	1.71	2.62	3.15
June	1.84	3.35	4.09
July	2.06	3.27	3.94
August	1.67	2.67	3.22
Sept.	0.78	1.86	2.28
Jun-MAM	8.04	13.68	16.56
Jul-JMA	9.95	17.41	21.16
Aug-JJM	11.57	19.13	23.15
Sep-AJJ	10.97	17.90	21.63
Oct-SAJ	7.74	14.19	17.22

Normals are for 1971-2000 data

March	1.58
April	2.12
May	2.62
June	3.35
July	3.27
August	2.67
Sept.	1.86

Rainfall Data
Winner
Station #SD9367
Tripp County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.29	0.57	1.78	3.65	2.07	4.77	0.87	7.77	15.08	15.29	22.10	14.22	DRY	NORM	NORM	WET	NORM
1981	2.95	0.96	3.38	3.01	5.12	2.75	0.65	15.01	16.75	24.76	21.50	12.57	NORM	NORM	WET	WET	NORM
1982	1.70	1.55	7.77	4.67	5.25	2.66	2.80	28.11	31.10	32.86	23.15	18.97	WET	WET	WET	WET	WET
1983	2.76	1.79	5.23	4.83	3.75	0.55	1.27	22.03	26.74	26.14	13.98	8.66	NORM	WET	WET	NORM	NORM
1984	1.36	4.70	3.43	2.91	4.71	2.48	1.17	21.05	20.29	23.38	19.77	13.18	NORM	NORM	NORM	WET	NORM
1985	1.28	2.75	0.62	2.51	3.89	4.07	2.10	8.64	11.52	17.31	22.50	18.33	DRY	DRY	NORM	WET	WET
1986	1.90	3.92	5.19	4.89	2.47	2.82	7.67	25.31	28.97	22.38	18.29	31.12	WET	WET	NORM	NORM	WET
1987	4.90	1.00	3.80	2.32	4.82	1.95	0.82	18.30	15.56	22.90	17.81	11.18	NORM	NORM	NORM	NORM	NORM
1988	1.90	3.14	6.28	2.45	2.53	1.40	3.23	27.02	23.05	18.77	11.71	15.02	WET	NORM	NORM	NORM	NORM
1989	1.02	1.24	1.24	2.00	3.05	2.20	1.17	7.22	9.72	14.39	14.70	10.96	DRY	DRY	NORM	NORM	NORM
1990	2.36	2.03	5.67	4.27	3.87	2.14	0.48	23.43	26.18	25.82	18.43	9.59	WET	WET	WET	NORM	NORM
1991	1.15	2.34	9.02	3.93	0.92	2.00	1.12	32.89	32.17	19.64	11.77	8.28	WET	WET	NORM	NORM	NORM
1992	1.39	2.13	0.26	4.26	7.32	2.21	1.49	6.43	15.43	30.74	25.53	16.21	DRY	NORM	WET	WET	NORM
1993	0.78	3.86	2.59	5.43	2.85	0.80	3.36	16.27	25.33	22.00	13.53	14.53	NORM	WET	NORM	NORM	NORM
1994	0.30	2.44	1.02	5.83	5.12	3.65	0.80	8.24	21.97	28.04	27.02	14.82	DRY	NORM	WET	WET	NORM
1995	2.37	6.39	7.02	2.79	1.30	0.71	3.61	36.21	28.80	16.50	7.52	13.55	WET	WET	NORM	DRY	NORM
1996	1.22	0.56	6.69	1.70	2.30	1.09	7.37	22.41	19.04	16.99	9.57	26.59	NORM	NORM	NORM	DRY	WET
1997	0.18	3.50	1.81	2.40	4.98	2.23	1.25	12.61	14.32	21.55	19.05	13.19	NORM	NORM	NORM	NORM	NORM
1998	2.15	0.60	2.56	5.71	2.40	1.03	0.86	11.03	22.85	21.18	13.60	7.04	NORM	NORM	NORM	NORM	DRY
1999	0.93	3.84	3.47	4.61	1.39	4.18	3.33	19.02	24.61	16.86	19.93	19.74	NORM	WET	NORM	WET	WET
2000	0.12	1.44	4.25	2.47	1.13	0.40	0.66	15.75	17.35	12.58	5.93	3.91	NORM	NORM	DRY	DRY	DRY
2001	0.29	6.64	4.04	2.36	4.25	0.28	3.72	25.69	21.80	21.51	11.70	15.97	WET	NORM	NORM	NORM	NORM
2002	1.29	1.80	2.08	1.27	0.70	3.43	1.25	11.13	9.77	6.72	12.96	11.31	NORM	DRY	DRY	NORM	NORM
2003	0.78	2.68	1.86	3.77	1.20	1.41	0.30	11.72	17.71	13.00	10.40	4.92	NORM	NORM	DRY	DRY	DRY
2004	2.88	1.03	4.48	5.66	0.57	1.25	3.34	18.38	26.97	17.51	10.55	13.09	NORM	WET	NORM	DRY	NORM
2005	1.40	3.89	4.20	6.56	0.45	1.21	1.8	21.78	31.97	18.67	11.09	8.27	NORM	WET	NORM	NORM	NORM
2006	2.19	3.15	0.28	3.63	0.47	2.90	3.05	9.33	14.60	8.95	13.27	15.42	DRY	NORM	DRY	NORM	NORM
2007	2.49	2.93	6.64	4.54	0.10	6.88	1.38	28.27	29.83	16.02	25.38	18.00	WET	WET	NORM	WET	WET
2008	1.15	2.09	3.82	6.77	1.03	1.58	3.63	16.79	30.04	20.45	13.57	15.08	NORM	WET	NORM	NORM	NORM
2009	0.43	3.65	0.66	4.27	2.89	5.09	0.97	9.71	17.78	17.87	25.32	15.98	DRY	NORM	NORM	WET	NORM
2010	1.47	2.91	3.87	6.07	4.56	1.64	1.29	18.90	28.86	29.69	20.11	11.71	NORM	WET	WET	WET	NORM
2011	1.08	2.50	4.23	7.03	4.91	3.03	0.28	18.77	32.05	33.02	25.94	11.81	NORM	WET	WET	WET	NORM
2012	1.55	1.58	2.10	2.22	0.38	0.49	0.13	11.01	12.44	7.68	4.45	1.75	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.8	1.73	2.11
April	1.60	2.63	3.18
May	2.17	3.85	4.69
June	2.45	3.38	3.99
July	2.31	3.30	3.91
August	1.34	2.17	2.62
Sept.	0.98	2.09	2.56
Jun-MAM	10.51	18.54	22.54
Jul-JMA	13.29	20.47	24.53
Aug-JJM	14.00	20.51	24.40
Sep-AJJ	11.09	16.49	19.67
Oct-SAJ	7.93	13.91	16.83

Normals are for 1971-2000 data

March	1.73
April	2.63
May	3.85
June	3.38
July	3.30
August	2.17
Sept.	2.09

NOTE:
Gregory NWS Station (SD3452) was used for April - June 2008.

Rainfall Data
Wood
Station #SD9442
Mellette County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	1.35	0.84	0.87	1.43	1.24	3.16	0.47	5.64	6.87	7.45	13.39	8.97	DRY	DRY	DRY	NORM	NORM
1981	1.11	0.34	2.02	2.26	3.84	1.31	0.07	7.85	11.16	18.06	13.87	6.67	DRY	NORM	NORM	NORM	NORM
1982	1.60	1.12	8.30	1.54	3.61	2.17	3.25	28.74	22.34	22.21	15.27	17.70	WET	WET	WET	NORM	WET
1983	2.09	2.17	3.29	2.35	2.47	1.22	1.32	16.30	15.80	15.40	10.95	8.87	NORM	NORM	NORM	NORM	NORM
1984	1.15	2.97	2.54	2.00	3.94	0.54	1.17	14.71	14.05	18.36	11.50	8.53	NORM	NORM	NORM	NORM	NORM
1985	0.80	1.94	0.37	1.30	2.82	1.53	2.02	5.79	6.58	11.43	11.53	11.94	DRY	DRY	NORM	NORM	NORM
1986	2.15	3.78	2.41	3.52	3.70	2.47	3.14	16.94	19.16	20.55	18.33	18.06	NORM	NORM	NORM	WET	WET
1987	2.87	0.57	4.96	0.80	3.68	1.54	0.61	18.89	12.89	17.60	12.78	8.59	NORM	NORM	NORM	NORM	NORM
1988	0.27	1.18	4.48	3.29	1.47	0.59	1.87	16.07	20.01	15.47	8.00	8.26	NORM	NORM	NORM	DRY	NORM
1989	1.00	1.18	0.97	1.24	6.79	1.51	2.60	6.27	6.84	23.82	19.35	17.61	DRY	DRY	WET	WET	WET
1990	2.42	1.56	5.14	3.83	4.29	1.09	0.25	20.96	23.33	25.67	15.68	7.22	WET	WET	WET	NORM	NORM
1991	1.40	2.51	6.38	5.46	0.44	1.34	1.73	25.56	31.65	18.62	10.36	8.31	WET	WET	NORM	NORM	NORM
1992	1.65	0.43	0.53	6.17	4.17	1.64	1.69	4.10	20.00	25.38	19.43	12.52	DRY	NORM	WET	WET	NORM
1993	0.74	3.09	2.40	4.70	5.34	0.89	2.39	14.12	21.99	27.82	18.05	14.29	NORM	WET	WET	WET	WET
1994	0.14	1.90	0.86	4.71	2.86	1.94	1.19	6.52	17.75	18.86	16.25	10.31	DRY	NORM	NORM	WET	NORM
1995	1.22	4.17	6.70	3.54	1.51	2.26	1.23	29.66	28.19	18.31	13.34	9.72	WET	WET	NORM	NORM	NORM
1996	0.52	0.97	6.75	1.01	1.94	0.99	5.73	22.71	17.50	14.59	7.86	21.11	WET	NORM	NORM	DRY	WET
1997	0.11	3.17	2.22	5.81	4.16	2.71	1.65	13.11	25.04	26.32	22.26	14.53	NORM	WET	WET	WET	WET
1998	2.43	0.26	2.76	5.59	4.71	0.58	0.63	11.23	22.55	28.07	16.75	7.76	NORM	WET	WET	WET	NORM
1999	0.93	3.59	4.60	2.95	0.83	1.13	4.08	21.91	21.64	12.99	8.00	15.33	WET	WET	NORM	DRY	WET
2000	0.28	2.76	5.06	2.71	2.12	0.29	0.53	20.98	21.01	16.84	7.82	4.29	WET	WET	NORM	DRY	DRY
2001	0.51	5.35	3.24	3.45	4.14	0.30	3.12	20.93	22.18	22.56	12.63	14.10	WET	WET	WET	NORM	WET
2002	1.49	1.36	1.56	0.66	0.93	3.52	2.23	8.89	6.46	5.67	13.08	14.66	DRY	DRY	DRY	NORM	WET
2003	1.16	2.63	2.85	4.03	2.49	1.12	1.20	14.97	20.42	18.38	12.37	8.33	NORM	NORM	NORM	NORM	NORM
2004	3.63	0.58	3.03	1.75	1.42	2.95	2.87	13.88	11.89	10.79	13.44	15.93	NORM	NORM	DRY	NORM	WET
2005	1.56	4.3	3.35	6.05	0.98	1.93	0.44	20.21	29.15	18.39	13.80	6.16	WET	WET	NORM	NORM	DRY
2006	2.49	2.06	0.11	1.99	0.63	4.25	3.05	6.94	8.25	5.98	16.00	18.28	DRY	DRY	DRY	WET	WET
2007	2.41	1.71	6.11	2.51	0.09	2.74	0.99	24.16	21.46	11.40	10.91	8.54	WET	WET	NORM	NORM	NORM
2008	1.04	2.04	3.56	6.37	1.74	0.35	2.39	15.80	28.27	21.52	10.90	9.61	NORM	WET	WET	NORM	NORM
2009	0.87	3.04	1.07	5.23	3.31	2.49	0.43	10.16	20.87	21.46	19.32	9.58	NORM	NORM	WET	WET	NORM
2010	1.50	3.11	1.83	4.60	2.64	1.46	0.95	13.21	20.57	18.95	14.26	8.41	NORM	NORM	NORM	NORM	NORM
2011	0.86	1.68	4.17	8.13	4.38	1.44	0.74	16.73	34.41	33.57	21.21	9.48	NORM	WET	WET	WET	NORM
2012	0.17	3.71	3.28	1.82	1.46	0.38	0.34	17.43	15.73	11.30	5.88	3.24	NORM	NORM	NORM	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.60	1.30	1.59
April	1.17	2.09	2.55
May	2.08	3.42	4.14
June	1.75	2.79	3.37
July	1.86	2.84	3.41
August	1.07	1.61	1.92
Sept.	0.73	1.63	1.99
Jun-MAM	9.18	15.74	19.11
Jul-JMA	10.58	17.30	20.94
Aug-JJM	11.16	17.52	21.11
Sep-AJJ	8.68	13.30	15.95
Oct-SAJ	6.19	10.95	13.22

Normals are for 1971-2000 data

March	1.30
April	2.09
May	3.42
June	2.79
July	2.84
August	1.61
Sept.	1.63

NOTE:

Mission NWS Station (SD5620) was used for March-Sept. 1984; March-Sept. 1985; March-Sept. 1986; March-Sept. 1987; and Sept. 2000.

White River NWS Station (SD9896) was used for May 2012.

Rainfall Data
Yankton
Station #SD9502
Yankton County, SD

	Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1980	0.68	1.05	2.19	1.76	0.73	5.06	0.86	9.35	10.71	7.90	18.40	13.43	DRY	DRY	DRY	NORM	NORM
1981	1.70	0.48	2.15	4.51	2.17	4.72	1.45	9.11	18.31	17.68	23.01	15.96	DRY	NORM	NORM	NORM	NORM
1982	1.13	1.53	9.91	2.17	2.25	1.03	0.69	33.92	27.86	21.00	9.76	6.38	WET	WET	NORM	DRY	DRY
1983	3.46	2.24	3.95	6.98	3.82	0.41	1.39	19.79	31.08	29.37	15.85	8.81	NORM	WET	WET	NORM	NORM
1984	1.53	7.07	3.56	8.78	2.79	0.80	1.05	26.35	40.53	29.49	16.76	7.54	WET	WET	WET	NORM	DRY
1985	1.61	4.18	2.66	3.62	1.09	5.70	2.49	17.95	20.36	13.17	22.90	19.96	NORM	NORM	DRY	NORM	WET
1986	2.46	3.89	3.60	3.83	1.89	2.53	6.33	21.04	22.58	16.93	15.20	25.94	NORM	NORM	NORM	NORM	WET
1987	5.23	0.38	3.98	3.76	2.81	1.79	2.20	17.93	19.62	19.93	14.75	12.99	NORM	NORM	NORM	NORM	NORM
1988	0.34	2.94	2.09	0.95	1.40	3.68	2.58	12.49	9.97	8.19	14.79	16.50	NORM	DRY	DRY	NORM	NORM
1989	1.07	1.16	1.12	3.28	3.41	4.07	1.41	6.75	13.24	17.91	22.31	15.78	DRY	DRY	NORM	NORM	NORM
1990	1.60	0.72	8.74	6.48	1.82	1.78	0.69	29.26	37.64	27.16	15.46	7.45	WET	WET	WET	NORM	DRY
1991	0.77	2.60	4.15	4.75	3.22	1.42	1.54	18.42	25.15	23.31	15.45	10.68	NORM	NORM	NORM	NORM	NORM
1992	2.88	0.99	1.62	2.54	5.57	4.59	4.07	9.72	11.85	23.41	27.45	26.96	DRY	DRY	NORM	WET	WET
1993	0.67	3.23	5.83	4.82	6.18	5.04	3.18	24.62	29.35	34.01	32.30	25.80	WET	WET	WET	WET	WET
1994	0.11	2.96	1.14	5.11	5.97	1.60	2.14	9.45	20.57	29.27	21.85	15.59	DRY	NORM	WET	NORM	NORM
1995	4.39	5.78	7.02	2.40	3.64	5.42	2.33	37.01	27.02	22.74	25.94	21.47	WET	WET	NORM	WET	WET
1996	0.95	0.78	6.18	3.20	3.84	3.64	4.39	21.05	22.74	24.10	21.80	24.29	NORM	NORM	NORM	NORM	WET
1997	0.51	2.33	4.32	2.03	2.33	2.33	4.16	18.13	17.06	15.37	13.68	19.47	NORM	NORM	NORM	NORM	WET
1998	3.50	4.42	1.83	2.93	3.80	3.31	0.20	17.83	16.87	19.09	20.46	11.02	NORM	NORM	NORM	NORM	NORM
1999	0.90	5.54	3.71	7.20	4.92	0.74	0.33	23.11	34.56	32.87	19.26	7.39	WET	WET	WET	NORM	DRY
2000	0.56	2.14	2.36	2.76	3.78	6.57	0.58	11.92	15.14	19.22	30.03	18.66	NORM	NORM	NORM	WET	NORM
2001	0.46	4.83	3.21	1.29	4.41	0.57	3.57	19.75	15.12	19.02	11.82	16.26	NORM	NORM	NORM	NORM	NORM
2002	1.68	1.82	1.84	1.45	1.65	6.00	1.51	10.84	9.85	9.69	22.75	18.18	NORM	DRY	DRY	NORM	NORM
2003	1.27	4.05	2.71	6.54	1.78	2.26	6.23	17.50	29.09	21.13	16.88	24.99	NORM	WET	NORM	NORM	WET
2004	3.07	1.62	6.04	1.18	3.02	2.67	4.16	24.43	17.24	17.46	15.23	20.84	WET	NORM	NORM	NORM	WET
2005	1.84	4.76	3.89	6.56	0.62	0.91	5.62	23.03	32.22	18.87	10.53	19.30	WET	WET	NORM	DRY	WET
2006	3.84	4.73	1.10	4.40	0.35	0.88	5.39	16.60	20.13	10.95	7.74	18.28	NORM	NORM	DRY	DRY	NORM
2007	2.27	4.08	2.44	1.99	1.11	5.25	1.55	17.75	14.93	9.75	19.96	16.26	NORM	NORM	DRY	NORM	NORM
2008	0.58	4.63	6.52	3.11	2.30	0.75	2.49	29.40	27.00	19.64	9.96	11.27	WET	WET	NORM	DRY	NORM
2009	0.67	2.84	1.52	5.51	0.00	2.27	1.08	10.91	22.41	12.54	12.32	7.78	NORM	NORM	DRY	NORM	DRY
2010	1.72	3.88	2.70	6.69	10.21	3.40	5.83	17.58	29.35	46.71	37.31	34.50	NORM	WET	WET	WET	WET
2011	0.98	4.64	4.46	5.76	1.61	5.13	0.52	23.64	30.84	20.81	24.37	13.43	WET	WET	NORM	WET	NORM
2012	0.61	2.53	3.75	0.87	0.20	0.69	0.42	16.92	12.64	6.09	3.34	2.84	NORM	DRY	DRY	DRY	DRY

Month	30% Lower Bound	N	30% Upper Bound
March	0.81	1.77	2.16
April	1.43	2.51	3.05
May	2.38	3.87	4.68
June	2.76	3.91	4.64
July	1.96	3.36	4.08
August	1.62	2.93	3.57
Sept.	1.11	2.17	2.65
Jun-MAM	10.81	18.40	22.30
Jul-JMA	14.47	21.98	26.33
Aug-JJM	13.78	21.77	26.20
Sep-AJJ	11.54	19.42	23.51
Oct-SAJ	8.53	15.73	19.17

Normals are for 1971-2000 data

March	1.77
April	2.51
May	3.87
June	3.91
July	3.36
August	2.93
Sept.	2.17

NOTE:
Vermillion 2 SE NWS Station (SD8622) was used for June 1984.

Rainfall Data
Zeona 10 SSW
Station #SD9537
Butte County, SD

		Monthly Rainfall Totals in Inches							Monthly Weighted Totals					Slide Indicator Status				
	Year	March	April	May	June	July	Aug.	Sept.	June	July	Aug	Sept.	Oct.	June	July	Aug	Sept.	Oct.
1	1980	0.30	0.39	0.60	4.83	0.92	2.01	0.37	2.88	16.08	13.02	12.70	6.05	DRY	NORM	NORM	NORM	NORM
2	1981	0.00	0.09	1.60	3.26	3.08	3.86	1.07	4.98	13.07	17.36	21.00	14.01	DRY	NORM	NORM	WET	WET
3	1982	3.23	0.65	6.99	1.11	1.92	2.01	2.01	25.50	17.96	14.97	10.98	11.97	WET	NORM	NORM	NORM	WET
4	1983	0.98	0.72	1.45	1.15	1.52	4.36	0.56	6.77	7.07	8.31	17.27	11.92	NORM	DRY	DRY	WET	WET
5	1984	0.36	4.43	1.11	7.43	0.78	2.52	1.35	12.55	28.94	18.31	16.55	9.87	NORM	WET	NORM	WET	WET
6	1985	2.32	0.07	4.30	2.12	0.73	0.63	0.54	15.36	15.03	10.73	5.47	3.61	WET	NORM	NORM	DRY	DRY
7	1986	0.81	4.70	3.17	2.11	2.13	0.30	4.06	19.72	17.37	13.78	7.27	14.91	WET	NORM	NORM	NORM	WET
8	1987	0.87	0.15	4.76	0.25	0.79	4.41	1.10	15.45	10.42	7.63	15.06	12.91	WET	NORM	DRY	WET	WET
9	1988	0.63	0.44	2.11	5.22	0.54	0.43	0.93	7.84	20.32	14.17	7.59	4.19	NORM	WET	NORM	NORM	NORM
10	1989	2.18	2.91	0.85	1.60	2.90	1.02	0.95	10.55	9.41	12.75	10.46	7.79	NORM	NORM	NORM	NORM	NORM
11	1990	0.27	1.18	1.34	1.82	0.71	0.46	0.16	6.65	9.32	7.11	4.62	2.11	NORM	NORM	DRY	DRY	DRY
12	1991	1.02	2.50	4.62	1.44	2.40	2.22	0.46	19.88	16.06	14.70	12.90	8.22	WET	NORM	NORM	NORM	NORM
13	1992	0.32	0.66	2.11	2.12	3.57	1.80	0.40	7.97	11.24	17.06	14.66	8.37	NORM	NORM	NORM	NORM	NORM
14	1993	1.79	1.56	1.56	4.64	5.82	1.38	0.58	9.59	18.60	28.30	20.42	10.32	NORM	NORM	WET	WET	WET
15	1994	0.10	1.75	0.35	1.76	2.09	0.09	0.92	4.65	7.73	10.14	6.21	5.03	DRY	DRY	NORM	DRY	NORM
16	1995	0.68	1.33	4.98	4.25	2.83	2.49	0.41	18.28	24.04	21.97	17.38	9.04	WET	WET	WET	WET	NORM
17	1996	0.73	1.12	9.09	1.14	1.08	2.93	1.93	30.24	22.72	14.61	12.09	12.73	WET	WET	NORM	NORM	WET
18	1997	0.16	2.55	2.41	2.36	3.18	1.22	0.37	12.49	14.45	16.67	12.38	6.73	NORM	NORM	NORM	NORM	NORM
19	1998	1.69	0.44	1.73	4.76	1.02	1.12	0.56	7.76	18.18	14.31	10.16	4.94	NORM	NORM	NORM	NORM	NORM
20	1999	0.13	2.51	1.89	5.38	1.02	1.10	0.68	10.82	22.43	15.71	10.72	5.26	NORM	WET	NORM	NORM	NORM
21	2000	1.07	1.72	3.36	2.52	1.88	0.49	0.43	14.59	16.00	14.04	7.75	4.15	NORM	NORM	NORM	NORM	NORM
22	2001	0.49	1.28	1.76	3.00	2.96	0.29	1.05	8.33	13.80	16.64	9.79	6.69	NORM	NORM	NORM	NORM	NORM
23	2002	0.42	0.19	1.60	1.69	2.05	2.56	0.88	5.60	8.46	11.13	13.47	9.81	DRY	DRY	NORM	NORM	WET
24	2003	2.34	0.74	1.05	2.53	1.31	0.58	3.53	6.97	10.43	10.04	6.89	13.06	NORM	NORM	NORM	NORM	WET
25	2004	1.02	0.23	2.16	0.55	4.64	3.05	1.13	7.96	6.20	17.18	18.98	14.13	NORM	DRY	NORM	WET	WET
26	2005	0.2	0.69	3.57	2.26	1.02	1.76	0.95	12.29	14.61	11.15	9.58	7.39	NORM	NORM	NORM	NORM	NORM
27	2006	0.7	3.81	0.91	1.3	0.07	2.3	1.33	11.05	9.53	3.72	8.34	8.66	NORM	NORM	DRY	NORM	NORM
28	2007	1.37	1.03	3.00	1.66	1.51	5.15	0.21	12.43	12.01	10.85	20.13	12.44	NORM	NORM	NORM	WET	WET
29	2008	0.24	0.97	5.08	7.00	2.32	2.67	0.87	17.42	32.13	26.04	19.65	10.27	WET	WET	WET	WET	WET
30	2009	1.50	0.88	1.10	1.82	2.28	1.75	0.76	6.56	8.54	11.58	11.63	8.06	NORM	DRY	NORM	NORM	NORM
31	2010	0.83	1.07	2.82	2.78	2.91	3.40	3.85	11.43	15.05	17.11	18.80	21.26	NORM	NORM	NORM	WET	WET
32	2011	1.02	1.82	4.96	2.35	4.02	2.25	0.00	19.54	18.79	21.72	17.14	8.52	WET	NORM	WET	WET	NORM
33	2012	0.00	1.60	2.65	0.96	2.57	0.89	0.00	11.15	9.78	12.28	8.77	4.35	NORM	NORM	NORM	NORM	NORM

Month	30% Lower Bound	N	30% Upper Bound
March	0.33	0.86	0.98
April	0.62	1.49	1.89
May	1.50	2.79	3.35
June	1.85	2.92	3.74
July	1.07	1.98	2.57
August	0.75	1.58	1.96
Sept.	0.41	0.93	1.04
Jun-MAM	6.07	12.21	14.81
Jul-JMA	9.17	15.83	19.81
Aug-JJM	8.41	14.57	18.54
Sep-AJJ	6.24	11.62	14.76
Oct-SAJ	3.80	7.93	9.61

Normals are for 1971-2000 data

March	0.86
April	1.49
May	2.79
June	2.92
July	1.98
August	1.58
Sept.	0.93

NOTE:

Redig 11 NE NWS Station (SD7062) was used for March and April 1980; July-Sept. 2002; and March-Sept. 2003-2011.

[1]Harding 3 SE NWS Station (SD3560) was used for April 2009 and July 2011.

Hoover NWS Station (SD3945) was used for 2012.