

STATION (Climatological) Spirit Lake (River Station, if different)

MONTH Dec 2016

WS FORM B-91 (03-09)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE

STATE IA COUNTY Dickinson RIVER

TIME (local) OF OBSERVATION RIVER TEMPERATURE 07:00 PRECIPITATION 07:00 STANDARD TIME IN USE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FLOOD STAGE NORMAL POOL STAGE

DATE	TEMPERATURE			PRECIPITATION													WEATHER (Observation Day)						RIVER STAGE			REMARKS (SPECIAL OBSERVATIONS, ETC.)														
	24 HRS ENDING AT OBSERVATION		AT OBSN	24 HR AMOUNTS		AT OB	Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved													Mark 'X' for all types occurring each day							Time of occurrence if different from above	Condition	Gage reading at __ AM	Tendency										
	MAX	MIN		Rain, melted snow, etc. (in and hundredths)	Snow, ice pellets, hail (ins. and tenths)		A.M.	NOON	P.M.	Fog	Ice pellets	Glaze	Thunder	Hail	Damaging winds	Gage reading at																								
							1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11												
1	34	31	M	0.00	0.0	0																																		
2	33	29	M	0.00	0.0	0																																		
3	37	28	M	0.00	0.0	0																																		
4	40	27	M	0.00	0.0	0																																		
5	46	13	M	0.00	0.0	0																																		
6	13	6	M	0.00	0.0	0																																		
7	20	8	M	0.00	0.0	0																																		
8	20	3	M	0.00	0.0	0																																		
9	16	3	M	0.08	2.0	2																																	Light snow	
10	12	0	M	0.00	0.0	2																																		
11	13	1	M	0.00	0.0	2																																		
12	17	-3	M	0.00	0.0	2	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11												
13	14	-4	M	0.00	0.0	2																																		
14	11	1	M	0.00	0.0	2																																		
15	9	-8	M	0.00	0.0	2																																		
16	19	3	M	0.00	0.0	2																																		Snow
17	4	-12	M	0.19	5.1	7																																		
18	3	-27	M	0.00	0.0	8																																		
19	24	3	M	0.00	0.0	7																																		
20	33	16	M	0.00	0.0	6																																		
21	40	26	M	0.00	0.0	4																																		
22	37	16	M	0.00	0.0	2	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11												
23	31	28	M	0.11	1.8	4																																		
24	34	18	18	0.00	0.0	3																																		
25	40	18	M	0.85	0.0	1																																	50-60 mph wind	
26	26	15	M	T	T																																		Light snow showers	
27																																								
28																																								
29																																								
30																																								
31																																								

24.1	9.2	SUM	1.23	8.9		CHECK BAR (for wire weight) NORMAL CHECK BAR													Fog	Ice pel	Glaze	Thund	Hail	Dam winds				
CONDITION OF RIVER AT GAGE			READING		DATE															OBSERVER								
A. Obstructed by rough ice			E. Ice gorge below gage																	SUPERVISING OFFICE						STATION INDEX NO.		
B. Frozen, but open at gage			F. Shore ice																	FSD Sioux Falls						13-7859-01		
C. Upper surface smooth ice			G. Floating ice																									
D. Ice gorge above gage			H. Pool stage																									