

STATION (Climatological) Spirit Lake				(River Station, if different)				MONTH Jan2023		WS FORM B-91 (03-09)										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE																												
STATE IA				COUNTY Dickinson				RIVER										RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS																														
TIME (local) OF OBSERVATION RIVER				TEMPERATURE 07:00		PRECIPITATION 07:00		STANDARD TIME IN USE																																								
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										
				Rain, melted snow, etc. (in and hundredths)	Snow, ice pellets, hail (ins. and tenths)	Snow, ice pellets, hail ice on ground (in)	A.M.											NOON											P.M.																			
							MAX	MIN		1	2	3	4	5	6	7	8	9	10	11	1	2		3	4	5	6	7	8	9	10	11	Fog	Ice pellets					Glaze	Thunder	Hail	Damaging winds						
1	32	21	M	0.00	0.0	7																																										
2	27	22	M	0.00	0.0	7																																										
3	26	24	25	0.16	2.0	9	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~											
4	27	22	22	0.48	3.6	13	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	Freezing rain, sleet, snow											
5	22	19	19	0.07	2.8	15																															Occasional snow											
6	21	3	3	0.00	0.0	15																																										
7	15	1	1	0.00	0.0	15																																										
8	20	-2	M	0.00	0.0	15																																										
9	26	1	26	0.00	0.0	15																																										
10	34	26	M	0.00	0.0	14																																										
11	28	24	24	0.00	0.0	14																																										
12	24	19	19	0.00	0.0	14	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11																				
13	24	7	7	T	T	14																															Light snow showers											
14	22	7	22	0.00	0.0	14																																										
15	26	17	M	0.00	0.0	14																																										
16	34	21	M	0.06	0.0	13					~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	Rain/snow											
17	37	25	M	0.38	1.0	11	~	~	~	~																																						
18	25	21	21	0.00	0.0	11																																										
19	29	21	27	0.47	6.1	16	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	Snow												
20	27	17	17	0.03	1.2	17																														Light snow												
21	23	17	22	T	0.0	17																														Fog and freezing mist												
22	24	15	M	0.00	0.0	17	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11																				
23	26	4	4	0.00	0.0	17																																										
24	30	4	12	0.00	0.0	17																																										
25	26	12	23	0.00	0.0	17																																										
26	23	-1	-1	T	T	17																														Very light snow showers; blowing snow												
27	33	-1	33	0.02	T	16			~	~	~	~	~	~	~	~	~																		Light snow showers, sleet													
28	33	7	7	0.02	1.2	17			~	~	~	~	~	~	~	~	~																		Light snow													
29	7	-1	M	0.02	1.3	18																																										
30	4	-4	-4	0.00	0.0	18																																										
31	2	-9	-5	0.00	0.0	18																																										
	24.4	11.6	SUM	1.71	19.2		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																																												
B. Frozen, but open at gage				F. Shore ice																																												
C. Upper surface smooth ice				G. Floating ice																																												
D. Ice gorge above gage				H. Pool stage																																												
																								SUPERVISING OFFICE FSD Sioux Falls										STATION INDEX NO. 13-7859-01														