STATION *(Climatological)* **Spirit Lake** *(River Station, if different)* | MONTH **Mar** | **2021**

STATE **IA** | COUNTY **Dickinson** | RIVER

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

WS FORM B-91 (03-09)

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

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE: 24 HRS ENDING AT OBSERVATION MAX	MIN	AT OBSN	PRECIPITATION: 24 HR AMOUNTS Rain, melted snow, etc. (in and hundredths)	Snow, ice pellets, hail (ins.and tenths)	AT OB Snow, ice pellets, hail ice on ground (in)	Draw a straight line (-------) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved — A.M. 1 2 3 4 5 6 7 8 9 10 11 NOON P.M. 1 2 3 4 5 6 7 8 9 10 11	WEATHER (Observation Day) Mark 'X' for all types occurring each day: Fog	Ice pellets	Glaze	Thunder	Hail	Damaging winds	Time of occurrence if different from above	RIVER STAGE: Condition	Gage reading at ___ AM	Tendency	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	27	18	19	T	T	T											
2	26	19	21	0.00	0.0	0											
3	47	21	25	0.00	0.0	0											
4	54	25	28	0.00	0.0	0											
5	48	27	27	0.00	0.0	0											
6	50	27	29	0.00	0.0	0											
7	57	29	34	0.00	0.0	0											
8	62	32	33	0.00	0.0	0											
9	60	33	45	0.00	0.0	0											
10	66	37	37	0.03	0.0	0	~ ~ ~ — — — — — — — — —	X									Sprinkles/light rain/drizzle
11	41	31	31	0.05	0.0	0											
12	48	24	24	0.00	0.0	0											
13	50	24	25	0.00	0.0	0											
14	53	25	36	0.00	0.0	0	— — — — — — — — ~ ~										
15	41	29	29	0.78	6.3	6	~ ~ ~ ~ ~ ~ — — —		X	X							Light rain, sleet, snow
16	31	28	29	T	T	5	~ ~ ~ — — — — — — — — — — — — — — ~ ~	X		X							Mist, light snow
17	34	29	31	0.11	T	3	~ ~ ~	X	X	X							Occasional light snow, drizzle, freezing drizzle
18	34	29	29	0.00	0.0	2											
19	44	22	23	0.00	0.0	0											
20	49	23	30	0.00	0.0	0											
21	59	30	38	0.00	0.0	0											
22	51	38	41	0.00	0.0	0	1 2 3 4 5 6 7 8 9 10 11 — 1 2 3 4 5 6 7 8 9 ~ ~ ~										Occasional rain
23	49	37	M	0.40	0.0	0	~ ~ ~ ~ ~ ~ — — — — — — — — — — — —										Occasional rain
24	47	36	36	0.45	0.0	0											
25	40	29	30	0.00	0.0	0											
26	49	30	32	0.00	0.0	0											
27	53	32	40	T	0.0	0	~ ~ ~ ~ ~ — — — — — —										Mist, drizzle, rain
28	49	40	M	0.37	0.0	0											
29	52	37	43	0.00	0.0	0											
30	73	31	31	0.00	0.0	0											
31	40	20	20	0.00	0.0	0											
	47.9	28.8	SUM	2.19	6.3		CHECK BAR (for wire weight) NORMAL CHECK BAR										
							READING / DATE	Fog	Ice pel	Glaze	Thund	Hail	Dam winds				

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice
B. Frozen, but open at gage
C. Upper surface smooth ice
D. Ice gorge above gage
E. Ice gorge below gage
F. Shore ice
G. Floating ice
H. Pool stage

OBSERVER

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01