STATION (Climatological)	(River Station, if different)	MONTH	
Spirit Lake		Jan	2020

STATE	COUNTY	RIVER
IA	Dickinson	

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

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	25	18	M	0.00	0.0	1														
2	34	25	26	0.00	0.0	1														
3	34	25	29	0.00	0.0	T		— — — —	— — — — — — — — — — — —											
4	34	14	14	0.03	1.1	1														Occasional light snow & flurries
5	37	14	M	0.00	0.0	T														
6	35	21	21	0.00	0.0	0														
7	35	17	17	0.00	0.0	0														
8	30	5	6	0.00	0.0	0														
9	27	6	27	0.00	0.0	0														
10	27	14	14	0.00	0.0	0		— —	— — —											
11	14	-5	-5	T	T	T														Light snow/flurries
12	21	-5	M	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 10 11											Snow
13	25	16	16	0.27	4.1	4	~	— — — ~ ~	~											
14	29	16	19	0.01	T	4						X								Freezing drizzle
15	19	4	M	T	T	4		~ ~ ~				X								Freezing mist/flurries
16	16	-13	-13	0.00	0.0	4														
17	11	-14	11	0.33	5.6	10		— — — —	— — — — — — — — —			X								Snow, freezing mist, blowing snow
18	29	-1	M	0.00	0.0	10														Blowing snow
19	2	-6	M	0.00	0.0	10														
20	3	-7	-7	0.00	0.0	10														
21	6	-7	-3	0.00	0.0	10				~										
22	34	-3	34	T	0.0	9	~ ~ ~ ~					X								Freezing mist/drizzle
23	34	31	31	0.02	T	8					X	X								Freezing mist, sleet, light snow
24	31	28	28	0.00	0.0	8														
25	28	26	26	0.00	0.0	8														
26	32	23	M	0.00	0.0	8														
27	26	22	M	0.00	0.0	8														
28	27	14	14	0.00	0.0	8														
29	16	14	16	0.00	0.0	8														
30	24	16	20	0.00	0.0	8				X										
31	31	20	M	T	0.0	8		— — —												
	25.0	10.6	SUM	0.66	10.8					Fog	Ice pel	Glaze	Thund	Hail	Dam winds					

CHECK BAR (for wire weight) NORMAL CHECK BAR

READING	DATE

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
Closed by WFO FSD (WFO) on 20 Feb 2020 02:42PM

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01