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

MONTH **Feb** **2019**

STATE **IA**

COUNTY **Dickinson**

RIVER

TIME *(local)* OF OBSERVATION

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	TEMPERATURE: 24 HRS ENDING AT OBSERVATION MIN	TEMPERATURE: AT OBSN	PRECIPITATION: 24 HR AMOUNTS Rain, melted snow, etc. (in and hundredths)	PRECIPITATION: 24 HR AMOUNTS Snow, ice pellets, hail (ins.and tenths)	PRECIPITATION: AT OB Snow, ice pellets, hail ice on ground (in)	PRECIPITATION: 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	4	-10	-1	0.04	1.6	7											Light snow
2	34	-1	33	0.00	0.0	7											
3	47	33	M	0.00	0.0	4		X									
4	35	3	3	0.00	0.0	1											
5	6	1	2	0.00	0.0	1	10 11 ~ ~										
6	6	2	6	0.04	1.6	3	4 5 6 7 8 9 10 ~ ~										Light snow
7	6	0	0	0.03	2.2	5	~ ~ ~ ~ ~ ~ ~		X								Freezing mist, light snow
8	2	-14	-11	0.00	0.0	5											
9	4	-11	-3	0.00	0.0	5	10 11 ~ ~										
10	12	-3	M	0.08	1.7	7	~ ~ ~ ~ ~ ~ ~ 8 9 10 11										Light snow
11	21	12	M	0.01	T	7	5 6 7 8 9 10 ~ ~										Light snow
12	24	15	19	0.11	2.5	9	~1 ~2 ~3 ~4 ~5 ~6 ~7 8 9 10 11										
13	19	-7	-5	0.00	0.0	9											
14	23	-5	23	0.00	0.0	9	10 11										
15	25	-8	-8	T	T	9	9 10 11										Light snow showers; blizzard conditions
16	9	-8	4	0.00	0.0	9	9 10 ~ ~ ~										Snow
17	19	4	M	0.19	4.7	14	~ ~ ~ ~ ~ ~ ~ 8 9 10 11										Snow
18	21	0	0	0.05	1.2	15											
19	14	-12	-11	0.00	0.0	15	11 ~										
20	21	-11	20	0.28	6.3	21	~ ~ ~ ~ ~ ~ 8 9 10 11										
21	21	3	4	0.06	2.1	23											Snow
22	19	4	15	0.00	0.0	22	1 2 3 4 5 6 7 8 9 10 11 1 2 3 4 5 6 7 8 9 10 11 ~										
23	28	15	28	0.09	1.7	23	~ ~ ~ ~ ~ 6 7 8 9 10 11 ~	X									Light snow and fog; blizzard conditions
24	28	8	M	0.06	3.5	26	~ ~ ~										Blizzard
25	8	-5	-3	T	T	26	4 5 6 7 10 11										Light snow
26	2	-3	-3	T	T	26											Light snow, flurries
27	5	-3	1	0.00	0.0	26											
28	7	1	7	0.00	0.0	26											
29																	
30																	
31																	
	16.8	0.0	SUM	1.04	29.1												

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