STATION *(Climatological)*: Spirit Lake — *(River Station, if different)*: —
MONTH: Nov 2019
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	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	39	16	34	T	0.0	0	~ ~ ~ – –											Light snow
2	43	33	33	T	T	0	~											Light snow, sprinkles
3	45	33	M	0.00	0.0	0	– – – – – – – – – – – – ~ ~											
4	43	34	34	0.28	0.0	0												Light rain, drizzle
5	40	18	18	0.00	0.0	0	– – – – ~ ~											
6	29	18	25	0.09	T	T	~ ~ ~ – ~ ~ – – – – – – – – – –		X	X								Light snow, flurries, freezing rain
7	26	7	7	0.16	1.2	1												Snow
8	25	7	20	0.00	0.0	1												
9	41	20	33	0.00	0.0	0												
10	46	24	M	0.00	0.0	0	– – – – – – – – – – – – –											Light snow
11	24	11	11	T	T	0	– – –											
12	14	4	4	T	T	T	1 2 3 4 5 6 7 8 9 10 11 — 1 2 3 4 5 6 7 8 9 10 11											Very light snow showers
13	27	2	27	0.00	0.0	0	– – –											
14	35	19	19	T	T	0												Light snow
15	36	19	23	0.00	0.0	0												
16	53	23	35	0.00	0.0	0	~ ~											
17	41	30	M	0.07	0.0	0	~ ~ ~ ~ ~											drizzle, light rain
18	36	31	33	0.00	0.0	0	– – – – –											
19	47	32	33	0.12	0.0	0												Light rain
20	47	33	37	0.00	0.0	0	– – ~ ~											
21	53	33	33	0.47	0.0	0	~ ~ ~ ~ ~ ~ –		X									Rain, sleet
22	33	17	17	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											
23	35	17	25	0.00	0.0	0												
24	43	25	M	0.00	0.0	0												
25	48	39	39	0.00	0.0	0												
26	45	33	33	0.00	0.0	0	– – – – – – – ~ ~											
27	35	27	27	0.47	6.3	6	~ ~ ~ ~ ~ ~											Snow, blowing snow
28	27	23	M	0.00	0.0	6	~ ~ ~											
29	27	26	27	T	T	6	~ ~ ~ ~ ~ ~ – – – – – – – – – – – – ~ ~											Flurries, light snow
30	34	27	32	0.44	3.4	7	~ ~ ~ ~ ~ ~ ~	X	X	X								Snow, sleet, freezing rain, rain, mist
31																		
	37.2	22.7	SUM	2.10	10.9		CHECK BAR (for wire weight) NORMAL CHECK BAR	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

READING	DATE

OBSERVER

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01