STATION *(Climatological)* **Spirit Lake** *(River Station, if different)* | MONTH **Mar** | **2017**

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	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	RIVER STAGE: Gage reading at ___ AM	RIVER STAGE: Tendency	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	35	20	M	0.00	0.0	2														
2	33	23	M	0.00	0.0	1														
3	31	12	M	0.00	0.0	1														
4	38	14	M	0.00	0.0	0														
5	54	33	M	0.00	0.0	0														
6	72	33	M	0.15	0.0	0	– –				X	X								Thunderstorm with pea-size hail, trace of snow f
7	43	30	M	0.00	0.0	0														
8	43	30	30	0.00	0.0	0														
9	40	24	M	0.00	0.0	0														
10	24	5	M	0.00	0.0	0														
11	26	8	M	T	T	0	10 11 1 2 3 4													Flurries
12	23	3	M	0.53	7.3	7	10 11 1 2 3 4 5 6 7 8 9 10 ~11 ~1													Snow, blowing snow
13	19	-2	M	T	T	7	~ ~ ~ ~ ~													Light snow, flurries
14	24	2	M	0.00	0.0	7														
15	29	7	M	0.00	0.0	7														
16	40	23	M	0.00	0.0	4														
17	47	31	M	0.00	0.0	1														
18	51	34	M	0.00	0.0	0														
19	50	30	M	0.00	0.0	0														
20	54	29	M	0.00	0.0	0														
21	37	27	M	0.00	0.0	0														
22	36	22	M	0.00	0.0	0														
23	43	36	M	0.63	0.0	0	~ ~ ~				X									
24	43	37	M	0.00	0.0	0														
25	39	33	M	T	0.0	0	– – –	X												Fog, drizzle
26	42	34	M	0.00	0.0	0														
27	53	35	M	0.00	0.0	0														
28	60	34	M	0.00	0.0	0														
29	45	36	M	0.28	0.0	0	10 11 1 2 3 4 5 6 7 8 9 10 ~11 ~1													Light rain
30	39	36	M	0.00	0.0	0														
31	47	38	M	0.00	0.0	0														
	40.6	24.4	SUM	1.59	7.3															

CHECK BAR (for wire weight) **NORMAL CHECK BAR**

	Fog	Ice pel	Glaze	Thund	Hail	Dam winds

CONDITION OF RIVER AT GAGE

READING	DATE

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 Steve Schwaller (KUOO) on 03 Apr 2017 07:16AM

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01