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

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

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

DATE	MAX	MIN	AT OBSN	Rain, melted snow, etc. (in and hundredths)	Snow, ice pellets, hail (ins.and tenths)	Snow, ice pellets, hail ice on ground (in)	Fog	Ice pellets	Glaze	Thunder	Hail	Damaging winds	Time of occurrence if different from above	Condition	Gage reading at ___ AM	Tendency	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	69	50	M	0.58	0.0	0				X							
2	67	56	57	0.44	0.0	0				X							
3	73	57	M	0.70	0.0	0				X							
4	69	45	45	0.00	0.0	0											
5	64	43	56	0.00	0.0	0											
6	59	43	54	0.21	0.0	0											Light rain, drizzle
7	55	52	52	1.61	0.0	0	X			X							
8	64	47	M	0.00	0.0	0											
9	68	46	M	0.00	0.0	0		X									
10	53	36	36	0.11	T	0											Light rain, sleet
11	45	34	35	0.00	0.0	0											
12	62	35	47	0.00	0.0	0											
13	60	41	41	0.00	0.0	0											
14	60	41	48	0.04	0.0	0											Light rain/sprinkles
15	58	45	M	0.00	0.0	0											
16	57	37	37	0.00	0.0	0											
17	69	37	45	0.00	0.0	0											
18	76	45	49	0.00	0.0	0											
19	73	42	42	0.00	0.0	0											
20	73	42	57	0.00	0.0	0											
21	75	55	61	0.03	0.0	0											
22	69	54	M	0.21	0.0	0											
23	62	47	54	0.00	0.0	0											
24	56	34	34	0.00	0.0	0											
25	49	34	43	0.00	0.0	0											
26	62	39	45	0.00	0.0	0											
27	54	29	29	T	T	T											
28	32	26	26	T	T	T											Light snow, flurries
29	39	26	M	0.00	0.0	0											
30	44	33	34	0.15	0.0	0											Light rain
31	34	20	20	T	T	T											Snow showers
	59.7	41.0	SUM	4.08	T												

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

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01