STATION *(Climatological)* Spirit Lake | *(River Station, if different)* | MONTH Nov | 2016

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	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	65	43	M	0.00	0.0	0	4 ~ 5 ~ 6 ~ 7 ~ 8 – 9 –	X									
2	67	42	M	0.00	0.0	0												
3	62	44	44	0.00	0.0	0												
4	71	44	M	0.00	0.0	0												
5	69	46	M	0.00	0.0	0												
6	66	45	M	0.00	0.0	0												
7	68	44	46	0.00	0.0	0												
8	56	37	M	0.00	0.0	0												
9	59	38	M	0.00	0.0	0												
10	67	37	37	0.00	0.0	0												
11	49	35	M	0.00	0.0	0												
12	59	31	M	0.00	0.0	0	11 / 1 2 3 4 5 6 7 8 9 10 11											
13	57	29	M	0.00	0.0	0												
14	60	40	M	0.00	0.0	0												
15	50	37	40	0.00	0.0	0												
16	63	34	M	0.00	0.0	0												
17	59	36	M	0.00	0.0	0												
18	56	36	36	0.11	0.0	0	3 ~ 4 ~ 5 ~ 6 ~ 7 –											Mist/drizzle
19	42	27	M	0.21	T	T												
20	27	18	M	0.00	0.0	T												
21	31	24	24	0.00	0.0	0	11 ~											
22	41	24	33	0.24	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											Light rain
23	35	32	M	0.52	T	0												
24	34	31	31	T	T	0												
25	47	31	M	0.00	0.0	0												
26	44	33	M	0.18	0.0	0	7 – 8 – 9 – 10 – 11 ~											
27	38	29	M	0.42	0.0	0	1 ~ 2 ~ 3 ~ 4 ~											
28	43	30	M	T	T	T												
29	34	31	M	0.16	T	T	1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 –											Light rain, snow
30	34	30	M	0.08	T	T	2 – 3 – 4 – 5 – 6 – 7 –											
31																		
	51.8	34.6	SUM	1.92	T													

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
Closed by Steve Schwaller (KUOO) on 05 Dec 2016 09:18AM

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01