STATION *(Climatological)* **Spirit Lake** *(River Station, if different)* | MONTH **Jun** | **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	85	59	59	T	0.0	0	6 ~ 7 ~											Sprinkles
2	73	54	M	0.00	0.0	0												
3	75	57	60	0.00	0.0	0												
4	73	59	61	0.00	0.0	0	10 ~ 11 ~											
5	87	61	63	0.37	0.0	0				X								
6	84	63	64	0.00	0.0	0												
7	88	63	71	0.00	0.0	0												
8	88	64	65	0.00	0.0	0												
9	86	63	M	0.06	0.0	0	6 ~ 7 ~ 8 ~											Light rain
10	68	54	55	0.00	0.0	0												
11	75	55	58	0.02	0.0	0	6 ~ 7 – 8 – 9 – 3 – 4 – 5 – 6 – 7 – 8 – 9 –											Sprinkles; light rain
12	65	55	55	0.31	0.0	0												Rain
13	66	43	46	0.00	0.0	0												
14	74	46	57	0.00	0.0	0												
15	79	57	64	0.00	0.0	0												
16	81	64	M	T	0.0	0	4 –											Sprinkles
17	77	60	64	0.00	0.0	0	10 – 11 –											
18	73	61	61	0.04	0.0	0	6 –											Light rain/sprinkles
19	72	54	55	0.00	0.0	0												
20	75	55	64	0.00	0.0	0	9 – 10 – 5 –											
21	75	62	63	0.14	0.0	0	9 – 10 –											Showers
22	67	59	59	0.08	0.0	0												Light rain, sprinkles
23	70	57	M	0.06	0.0	0	5 – 6 – 7 – 8 – 9 –											Heavy showers
24	71	59	59	0.81	0.0	0	8 – 9 – 11 – 12 –											
25	75	59	64	0.19	0.0	0				X								
26	80	62	62	0.00	0.0	0												
27	85	62	71	0.00	0.0	0	9 – 10 – 3 – 4 –											
28	83	64	69	0.43	0.0	0				X								
29	85	69	70	0.00	0.0	0												
30	94	70	M	0.00	0.0	0	3 – 4 –											
31																		
	77.6	59.0	SUM	2.51														

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