STATION (Climatological)	(River Station, if different)	MONTH	
Des Moines (06Z) WSFO-Johnston		Dec	2016

STATE	COUNTY	RIVER
IA	POLK	

TIME (local) OF OBSERVATION RIVER	TEMPERATURE	PRECIPITATION	STANDARD TIME IN USE
	MID	MID	

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 1 2 3 4 5 6 7 8 9 10 11 (P.M.)	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	37	33	34	T	T	0		9 10 11											
2	39	33	34	T	0.0	0		4 5											
3	41	33		0.17	T	0													
4	35	32	33	0.38	1.0	T													
5	50	30	37	T	0.0	0		11											Precipitation very light.
6	38	21	21	T	T	0	1 2 3												
7	24	15	16	0.00	0.0	0													
8	24	10	14	T	T	0													
9	23	6	20	0.00	0.0	0													
10	25	20	25	0.05	1.0	1													
11	33	11	11	T	T	T													
12	31	5	17	0.00	0.0	T	1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7 8 9 10 11											
13	21	4	13	0.00	0.0	0													
14	21	3	3	0.00	0.0	0													
15	15	-1	15	T	T	0		8											
16	20	14	19	0.02	T	T		4 5 6 7 8 9 10 11			X								Precip predominately light freezing drizzle but
17	19	-7	-7	0.05	0.9	1	1 2 3 4 5 6 7 8 9 10 11	1 2 3 4 5 6 7											
18	4	-16	1	0.00	0.0	1													
19	28	0	22	0.00	0.0	1													
20	43	22	28	0.00	0.0	T													
21	49	26	31	0.00	0.0	0													
22	45	20	34	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	37	32	34	0.22	0.4	1													
24	38	25	34	0.00	0.0	0													
25	49	34	48	0.33	0.0	0													
26	48	27	27	0.00	0.0	0													
27	44	23	33	0.00	0.0	0													
28	45	32	34	0.00	0.0	0													
29	39	29	29	0.00	0.0	0													
30	46	21	37	0.00	0.0	0													
31	38	23	23	0.00	0.0	0													
	33.8	18.1	SUM	1.22	3.3		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 WFO DMX (wfodmx) on 11 Jan 2017 09:23PM

SUPERVISING OFFICE
DMX Des Moines

STATION INDEX NO.
13-2209-05