| STATION (Climatological) | (River Station, if different) | MONTH | |
|---|---|---|---|
| CARROLL | | Dec | 2010 |

| STATE | COUNTY | RIVER |
|---|---|---|
| IA | Carroll | |

| TIME (local) OF OBSERVATION RIVER | TEMPERATURE | PRECIPITATION | STANDARD TIME IN USE |
|---|---|---|---|
| | 07:00 | 07:00 | |

| 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 | 24 | 11 | 11 | T | T | 0 | | | | | | | | | | | | | |
| 2 | 29 | 11 | 22 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 3 | 36 | 14 | 19 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 4 | 34 | 19 | 20 | 0.00 | | | | | | | | | | | | | | | |
| 5 | 25 | 9 | 10 | 0.00 | | | | | | | | | | | | | | | |
| 6 | 22 | 10 | 17 | T | T | 0 | | | | | | | | | | | | | |
| 7 | 29 | 6 | 6 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 8 | 23 | 5 | 7 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 9 | 31 | 7 | 31 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 10 | 47 | 23 | 23 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 11 | 52 | 22 | 24 | 0.04 | | | | | | | | | | | | | | | |
| 12 | 31 | -1 | -1 | 0.05 | 3.0 | 3 | | | | | | | | | | | | | |
| 13 | 9 | -2 | 1 | 0.00 | 0.0 | 3 | | | | | | | | | | | | | |
| 14 | 12 | 1 | 12 | 0.00 | 0.0 | | | | | | | | | | | | | | |
| 15 | 23 | 12 | 17 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 16 | 22 | 16 | 21 | 0.05 | 0.5 | 3 | | | | | | | | | | | | | |
| 17 | 23 | 6 | 7 | 0.00 | 0.0 | 2 | | | | | | | | | | | | | |
| 18 | 24 | 7 | 7 | 0.00 | | | | | | | | | | | | | | | |
| 19 | 22 | 1 | 5 | 0.00 | 0.0 | 2 | | | | | | | | | | | | | |
| 20 | 24 | 5 | 24 | T | T | 2 | | | | | | | | | | | | | |
| 21 | 32 | 24 | 25 | 0.00 | 0.0 | 2 | | | | | | | | | | | | | |
| 22 | 25 | 12 | 17 | 0.00 | 0.0 | 2 | | | | | | | | | | | | | |
| 23 | 27 | 17 | 24 | 0.00 | 0.0 | 2 | | | | | | | | | | | | | |
| 24 | 28 | 24 | 26 | 0.14 | 1.4 | 3 | | | | | | | | | | | | | |
| 25 | 27 | 17 | 17 | 0.31 | 3.0 | 6 | | | | | | | | | | | | | |
| 26 | 17 | 2 | 5 | 0.00 | 0.0 | 6 | | | | | | | | | | | | | |
| 27 | 10 | -6 | -2 | 0.00 | 0.0 | 6 | | | | | | | | | | | | | |
| 28 | 21 | -2 | 16 | 0.00 | 0.0 | 0 | | | | | | | | | | | | | |
| 29 | 35 | 16 | 29 | 0.00 | 0.0 | 4 | | | | | | | | | | | | | |
| 30 | 39 | 29 | 39 | 0.02 | 0.0 | 2 | | | | | | | | | | | | | |
| 31 | 57 | 14 | 14 | 0.00 | | | | | X | | | | | | | | | | |
| | 27.7 | 10.6 | SUM | 0.61 | 7.9 | | CHECK BAR (for wire weight) NORMAL CHECK BAR | | Fog | Ice pel | Glaze | Thund | Hail | Dam winds | | | | | |

| CONDITION OF RIVER AT GAGE | | |
|---|---|---|
| A. Obstructed by rough ice | E. Ice gorge below gage | READING / DATE |
| B. Frozen, but open at gage | F. Shore ice | |
| C. Upper surface smooth ice | G. Floating ice | |
| D. Ice gorge above gage | H. Pool stage | |

OBSERVER
Closed by Wes Treadway (CINI4) on 03 Jan 2011 07:02AM

SUPERVISING OFFICE
DMX Des Moines

STATION INDEX NO.
13-1233-04