

STATION *(Climatological)*  
 Rosemount Research and Outreach Center

MONTH **Jan** 2016

STATE **MN** COUNTY **Dakota** RIVER \_\_\_\_\_

TIME *(local)* OF OBSERVATION \_\_\_\_\_ TEMPERATURE **08:00** PRECIPITATION **08:00** 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                  |     |         | PRECIPITATION                                      |  |       |  |   |   | WEATHER (Observation Day) |   |   |      |    |    | RIVER STAGE |             |       | REMARKS<br><i>(SPECIAL OBSERVATIONS, ETC.)</i> |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
|------|------------------------------|-----|---------|--|--|-------|--|---|---|---------------------------|---|---|------|----|----|-------------|-------------|-------|--|---------|------|----------------|---|---|---|----|----|----|--|--|--|-----------------------------------|--|--|--|
|      | 24 HRS ENDING AT OBSERVATION |     | AT OBSN | 24 HR AMOUNTS                                      |  | AT OB | <i>Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved</i> |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   | Mark 'X' for all types occurring each day |    |    |    |  |  | Time of occurrence if different from above | Condition                         | Gage reading at _____ AM                         | Tendency                               |  |
|      | MAX                          | MIN |         | Rain, melted snow, etc. <i>(in and hundredths)</i> | Snow, ice pellets, hail <i>(ins. and tenths)</i> |       | A.M.   |   |   | NOON                      |   |   | P.M. |    |    | Fog         | Ice pellets | Glaze |  | Thunder | Hail | Damaging winds |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
|      |                              |     |         |  | 1  | 2     | 3  | 4 | 5 | 6                         | 7 | 8 | 9    | 10 | 11 | 1           | 2           | 3     |  | 4       | 5    | 6              | 7 | 8 | 9   | 10 | 11 |    |  |  |  |                                   |  |  |  |
| 1    | 19                           | 5   | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 2    | 31                           | 8   | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 3    | 32                           | 10  | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 4    | 28                           | 6   | 6       | 0.43   | M  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   | 12-DAY Precipitation AccumulationA snowfall me   |  |  |
| 5    | 23                           | 4   | 19      | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 6    | 27                           | 19  | 23      | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 7    | 31                           | 22  | 30      | 0.07   | 1.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 8    | 32                           | 29  | 31      | 0.15   | 2.0  | 7     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 9    | 33                           | 7   | M       | 0.00   | 0.0  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   | Set unrepresentative 0 snow depth to missing.    |  |  |
| 10   | 8                            | -11 | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 11   | 1                            | -18 | -14     | 0.01   | 0.5  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   | 2-day precipitation and snowfall total. Set unre |  |  |
| 12   | 6                            | -18 | -7      | 0.02   | 0.5  | 7     | 1  | 2 | 3 | 4                         | 5 | 6 | 7    | 8  | 9  | 10          | 11          | 1     | 2  | 3       | 4    | 5              | 6 | 7 | 8   | 9  | 10 | 11 |  |  |  | Corrected snow depth from 6 to 7" |  |  |  |
| 13   | 5                            | -12 | -1      | 0.00   | 0.0  | 7     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 14   | 21                           | -2  | 16      | 0.00   | 0.0  | 7     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  | Corrected snow depth from 0 to 7"      |  |
| 15   | 25                           | 16  | 21      | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 16   | 23                           | 0   | M       | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 17   | 4                            | -15 | M       | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 18   | 1                            | -18 | M       | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 19   | 2                            | -18 | -12     | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 20   | 11                           | -13 | 11      | 0.01   | 0.5  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 21   | 20                           | 11  | 20      | 0.00   | 0.0  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 22   | 25                           | 17  | 17      | 0.02   | 0.2  | 6     | 1  | 2 | 3 | 4                         | 5 | 6 | 7    | 8  | 9  | 10          | 11          | 1     | 2  | 3       | 4    | 5              | 6 | 7 | 8   | 9  | 10 | 11 |  |  |  |                                   |  |  |  |
| 23   | 25                           | 16  | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 24   | 25                           | 17  | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 25   | 29                           | 25  | 25      | T  | 0.1  | 6     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  | 3-day precipitation and snowfall total |  |
| 26   | 29                           | 23  | 23      | 0.06   | 0.8  | 7     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  | Snow depth actual is 6.5 inches.       |  |
| 27   | 27                           | 7   | 13      | T  | 0.1  | 7     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 28   | 38                           | 11  | 34      | 0.00   | 0.0  | 5     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  | 1 inch of blown snow on the board.     |  |
| 29   | 34                           | 12  | 22      | 0.00   | 0.0  | 5     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  | Website down 1/29                      |  |
| 30   | 32                           | 19  |         | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |
| 31   | 39                           | 26  | M       | M  | M  | M     |  |   |   |                           |   |   |      |    |    |             |             |       |  |         |      |                |   |   |   |    |    |    |  |  |  |                                   |  |  |  |

|                             |  |  |  |     |  |     |  |      |  |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |
|-----------------------------|--|--|--|-----|--|-----|--|------|--|-----|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|-----|---------|-------|-------|------|-----------|-------------------------------------|-------------------------------------|-------------------------------------|
| 22.1                        |  |  |  | 6.0 |  | SUM |  | 0.77 |  | 5.7 |  | <input checked="" type="checkbox"/> CHECK BAR (for wire weight) <input checked="" type="checkbox"/> NORMAL CHECK BAR |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  | Fog | Ice pel | Glaze | Thund | Hail | Dam winds | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| CONDITION OF RIVER AT GAGE  |  |  |  |     |  |     |  |      |  |     |  | READING  |  |  |  |  |  | DATE |  |  |  |  |  | OBSERVER   |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |
| A. Obstructed by rough ice  |  |  |  |     |  |     |  |      |  |     |  | E. Ice gorge below gage  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |
| 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  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |
|                             |  |  |  |     |  |     |  |      |  |     |  |  |  |  |  |  |  |      |  |  |  |  |  | SUPERVISING OFFICE<br>MPX Twin Cities/Chanhassen |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |
|                             |  |  |  |     |  |     |  |      |  |     |  |  |  |  |  |  |  |      |  |  |  |  |  | STATION INDEX NO.<br>21-7107-09                  |  |  |  |  |  |     |         |       |       |      |           |                                     |                                     |                                     |

STATE MN COUNTY Dakota RIVER TIME (local) OF OBSERVATION 08:00 PRECIPITATION 08:00 STANDARD TIME IN USE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FLOOD STAGE NORMAL POOL STAGE

Main data table with columns for DATE, TEMPERATURE (MAX, MIN, AT OBSN), PRECIPITATION (24 HR AMOUNTS, AT OB), WEATHER (Fog, Ice pellets, Glaze, Thunder, Hail, Damaging winds), RIVER STAGE (Condition, Gage reading at AM, Tendency), and REMARKS.

Summary row with columns for temperature averages (30.6, 14.6, SUM), precipitation totals (0.53, 8.3), and a check bar section.

CONDITION OF RIVER AT GAGE section with sub-sections for READING and DATE, and a list of conditions A-H (Obstructed by rough ice, Frozen, Upper surface smooth ice, Ice gorge above/gorge below gage, Shore ice, Floating ice, Pool stage).

Observer and office information section including OBSERVER, SUPERVISING OFFICE (MPX Twin Cities/Chanhassen), and STATION INDEX NO. (21-7107-09).

Table with 4 columns: STATE (MN), COUNTY (Dakota), RIVER, TIME (local) OF OBSERVATION (08:00), TEMPERATURE (08:00), PRECIPITATION (08:00), STANDARD TIME IN USE.

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Table with 4 columns: TYPE OF RIVER GAGE, ELEVATION OF RIVER GAGE ZERO, FLOOD STAGE, NORMAL POOL STAGE.

Main observation table with columns for DATE, TEMPERATURE (MAX, MIN, AT OBSN), PRECIPITATION (24 HR AMOUNTS, AT OB), WEATHER (Fog, Ice pellets, Glaze, Thunder, Hail, Damaging winds), RIVER STAGE (Condition, Gage reading, Tendency), and REMARKS.

Summary row for 31 days: 47.5, 30.1, SUM, 2.13, 7.0, CHECK BAR, NORMAL CHECK BAR.

- 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

Table with 2 columns: READING, DATE.

Table with 7 columns: Fog, Ice pel, Glaze, Thund, Hail, Dam winds, OBSERVER.

SUPERVISING OFFICE MPX Twin Cities/Chanhassen STATION INDEX NO. 21-7107-09



STATION (Climatological) Rosemount Research and Outreach Center (River Station, if different)

MONTH May 2016

WS FORM B-91 (03-09)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE

STATE MN COUNTY Dakota RIVER TIME (local) OF OBSERVATION TEMPERATURE 08:00 PRECIPITATION 08:00 STANDARD TIME IN USE TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO FLOOD STAGE NORMAL POOL STAGE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Table with 31 rows for daily observations. Columns include DATE, TEMPERATURE (MAX, MIN, AT OBSN), PRECIPITATION (24 HR AMOUNTS, AT OB), WEATHER (Fog, Ice pellets, Glaze, Thunder, Hail, Damaging winds), RIVER STAGE (Condition, Gage reading, Tendency), and REMARKS. Includes entries like 'Actual At Observation temp was 79 at 10:00am' and '3-Day Precip Accumulation'.

Summary row: 70.4, 49.6, SUM, 2.73, CHECK BAR (for wire weight) NORMAL CHECK BAR, CONDITION OF RIVER AT GAGE, READING, DATE, OBSERVER

Supervising Office: MPX Twin Cities/Chanhassen, Station Index No: 21-7107-09

- 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

Table with 4 columns: STATE (MN), COUNTY (Dakota), RIVER, TIME (local) OF OBSERVATION (08:00), TEMPERATURE (08:00), PRECIPITATION (08:00), STANDARD TIME IN USE, TYPE OF RIVER GAGE, ELEVATION OF RIVER GAGE ZERO, FLOOD STAGE, NORMAL POOL STAGE.

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

Main observation table with columns for DATE, TEMPERATURE (MAX, MIN, AT OBSN), PRECIPITATION (24 HR AMOUNTS, AT OB), WEATHER (Fog, Ice pellets, Glaze, Thunder, Hail, Damaging winds), RIVER STAGE (Condition, Gage reading at, Tendency), and REMARKS. Includes daily data from row 1 to 31.

Summary section including: CHECK BAR (for wire weight) NORMAL CHECK BAR, CONDITION OF RIVER AT GAGE (A-H), READING, DATE, OBSERVER, SUPERVISING OFFICE (MPX Twin Cities/Chanhassen), and STATION INDEX NO. (21-7107-09).

|                    |                         |       |
|--------------------|-------------------------|-------|
| STATE<br><b>MN</b> | COUNTY<br><b>Dakota</b> | RIVER |
|--------------------|-------------------------|-------|

|                                      |                             |                               |                      |
|--------------------------------------|-----------------------------|-------------------------------|----------------------|
| TIME (local) OF OBSERVATION<br>RIVER | TEMPERATURE<br><b>08:00</b> | PRECIPITATION<br><b>08:00</b> | STANDARD TIME IN USE |
|--------------------------------------|-----------------------------|-------------------------------|----------------------|

|                    |                              |             |                   |
|--------------------|------------------------------|-------------|-------------------|
| TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE |
|--------------------|------------------------------|-------------|-------------------|

**RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS**

| DATE | TEMPERATURE                  |     |         | PRECIPITATION                                  |  |  |      |   |   |      |   |   |      |   |    |     | WEATHER (Observation Day) |       |         |      |   |    | RIVER STAGE |   |   | REMARKS<br>(SPECIAL OBSERVATIONS, ETC.) |  |           |                           |          |   |   |    |   |  |
|------|------------------------------|-----|---------|--|--|--|------|---|---|------|---|---|------|---|----|-----|---------------------------|-------|---------|------|---|----|-------------|---|---|---|--|-----------|---------------------------|----------|---|---|----|---|--|
|      | 24 HRS ENDING AT OBSERVATION |     | AT OBSN | 24 HR AMOUNTS                                  |  | AT OB  |      | Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved |   |      |   |   |      |   |    |     |                           |       |         |      | Mark 'X' for all types occurring each day |    |             |   |   |   | Time of occurrence if different from above | Condition | Gage reading at<br>___ AM | Tendency |   |   |    |   |  |
|      | MAX                          | MIN |         | Rain, melted snow, etc.<br>(in and hundredths) | Snow, ice pellets, hail<br>(ins. and tenths) | Snow, ice pellets, hail<br>on ice on ground (in) | A.M. |   |   | NOON |   |   | P.M. |   |    | Fog | Ice pellets               | Glaze | Thunder | Hail | Damaging winds                            |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
|      |                              |     | 1       |  |  |  | 2    | 3   | 4 | 5    | 6 | 7 | 8    | 9 | 10 |     |                           |       |         |      |   | 11 | 1           | 2 | 3 |   | 4  | 5         | 6                         | 7        | 8 | 9 | 10 | 11  |  |
| 1    | 78                           | 55  | 59      | 0.30   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 2    | 74                           | 57  | M       | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 3    | 79                           | 60  | M       | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 4    | 81                           | 60  | M       | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 5    | 80                           | 66  | 75      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 6    | 91                           | 66  | 70      | 1.48   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 7    | 87                           | 67  | 70      | 0.15   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 8    | 85                           | 67  | 70      | 0.05   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 9    | 79                           | 63  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 10   | 82                           | 67  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 11   | 82                           | 68  | 75      | 0.45   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 12   | 91                           | 72  | 73      | 0.07   | 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        |                           |          |   |   |    |   |  |
| 13   | 86                           | 71  | 78      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 14   | 87                           | 68  | 71      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 15   | 75                           | 63  | 64      | 0.15   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 16   | 80                           | 61  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 17   | 82                           | 67  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 18   | 87                           | 67  | 78      | 0.70   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | 9:45 am reading. 3 day precip accum             |  |
| 19   | 88                           | 69  | 74      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 20   | 88                           | 74  | 78      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 21   | 93                           | 74  | 77      | 0.10   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 22   | 95                           | 75  | 80      | 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   | 97                           | 76  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 24   | 82                           | 76  | M       | M  | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    |   |  |
| 25   | 89                           | 68  | 75      | 1.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | 3 day precip accumulation. High and low temp lo |  |
| 26   | 94                           | 72  | 77      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |
| 27   | 94                           | 76  | 79      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |
| 28   | 86                           | 71  | 73      | 0.30   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |
| 29   | 80                           | 69  | 71      | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |
| 30   | 86                           | 70  | M       | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |
| 31   | 87                           | 71  | M       | 0.00   | 0.0  | 0  |      |   |   |      |   |   |      |   |    |     |                           |       |         |      |   |    |             |   |   |   |  |           |                           |          |   |   |    | High and low temp look 5 degrees too high.      |  |

|      |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 85.3 | 67.9 | SUM | 4.75 |  |  | CHECK BAR (for wire weight) NORMAL CHECK BAR |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

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

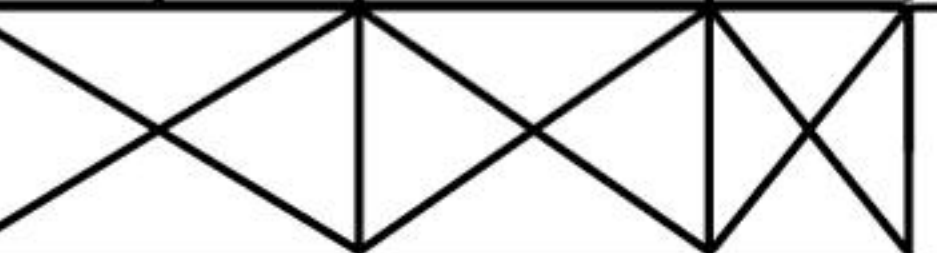
|     |         |       |       |      |           |                            |  |  |                    |  |  |
|-----|---------|-------|-------|------|-----------|----------------------------|--|--|--------------------|--|--|
| Fog | Ice pel | Glaze | Thund | Hail | Dam winds | OBSERVER                   |  |  | SUPERVISING OFFICE |  | STATION INDEX NO.<br><b>21-7107-09</b> |
|     |         |       |       |      |           | MPX Twin Cities/Chanhassen |  |  |                    |  |  |

|                                   |                             |                               |                      |
|-----------------------------------|-----------------------------|-------------------------------|----------------------|
| STATE<br><b>MN</b>                | COUNTY<br><b>Dakota</b>     | RIVER                         |                      |
| TIME (local) OF OBSERVATION RIVER | TEMPERATURE<br><b>08:00</b> | PRECIPITATION<br><b>08:00</b> | STANDARD TIME IN USE |

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

|                    |                              |             |                   |
|--------------------|------------------------------|-------------|-------------------|
| TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE |
|--------------------|------------------------------|-------------|-------------------|

| DATE | TEMPERATURE                  |     |         | PRECIPITATION                               |   |   | WEATHER (Observation Day)                 |   |   |      |   |   | RIVER STAGE                                |           |                           | REMARKS<br><i>(SPECIAL OBSERVATIONS, ETC.)</i> |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
|------|------------------------------|-----|---------|---|---|---|---|---|---|------|---|---|--|-----------|---------------------------|--|----------|------|---|---|---|---|---|---|---|----|----|-----|-------------|-------|---------|--|--------------------|
|      | 24 HRS ENDING AT OBSERVATION |     | AT OBSN | 24 HR AMOUNTS                               |   | AT OB<br><small>Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved</small> | Mark 'X' for all types occurring each day |   |   |      |   |   | Time of occurrence if different from above | Condition | Gage reading at<br>___ AM |  | Tendency |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
|      | MAX                          | MIN |         | Rain, melted snow, etc. (in and hundredths) | Snow, ice pellets, hail (ins. and tenths) |   | A.M.                                      |   |   | NOON |   |   |  |           |                           |  |          | P.M. |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
|      |                              |     |         |   | 1   | 2   | 3   | 4 | 5 | 6    | 7 | 8 | 9  | 10        | 11                        |  | 1        | 2    | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Fog | Ice pellets | Glaze | Thunder | Hail   | Damaging winds     |
| 1    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 89, low of 73, and  |                    |
| 2    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 91, low of 76 and a |                    |
| 3    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 95, low of 76 and a |                    |
| 4    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 96, low of 79 and a |                    |
| 5    | M                            | M   | M       | 0.65  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 89, low of 69 and a |                    |
| 6    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 85 and low of 66 to |                    |
| 7    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 88, low of 67 to mi |                    |
| 8    | M                            | M   | M       | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         | Set unrepresentative high of 88, low of 67 and a |                    |
| 9    | M                            | M   | 70      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 10   | 86                           | 70  | 72      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 11   | 88                           | 67  | 68      | 1.95  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 12   | 84                           | 68  | 70      | 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  |             |       |         |  |                    |
| 13   | 80                           | 63  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 14   | 81                           | 61  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 15   | 80                           | 59  | 65      | 0.17  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  | 3-day precip total |
| 16   | 80                           | 63  | 68      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 17   | 84                           | 61  | 66      | 2.37  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 18   | 83                           | 64  | 68      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 19   | 82                           | 65  | 65      | 0.50  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 20   | 78                           | 62  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 21   | 67                           | 55  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 22   | 73                           | 56  | 61      | 0.60  | 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   | 81                           | 61  | 66      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 24   | 81                           | 66  | 68      | 0.40  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 25   | 79                           | 58  | 63      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 26   | 73                           | 53  | 57      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 27   | 71                           | 56  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 28   | 67                           | 59  | M       | M   | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 29   | 83                           | 57  | 70      | 0.15  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 30   | 84                           | 67  | 67      | 0.23  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |
| 31   | 78                           | 59  | 59      | 0.00  | 0.0                                       | 0   |   |   |   |      |   |   |  |           |                           |  |          |      |   |   |   |   |   |   |   |    |    |     |             |       |         |  |                    |

|  |      |     |         |  |          |  |  |  |  |  |                            |   |  |                   |  |
|--|------|-----|---------|--|----------|--|--|--|--|--|----------------------------|---|--|-------------------|--|
| 79.2   | 61.4 | SUM | 7.02    | CHECK BAR (for wire weight) NORMAL CHECK BAR |          | Fog Ice pel Glaze Thund Hail Dam winds |  |  |  |  |                            |  |  |                   |  |
| CONDITION OF RIVER AT GAGE   |      |     | READING | DATE   | OBSERVER |  |  |  |  |  | SUPERVISING OFFICE         |   |  | STATION INDEX NO. |  |
| A. Obstructed by rough ice<br>B. Frozen, but open at gage<br>C. Upper surface smooth ice<br>D. Ice gorge above gage<br>E. Ice gorge below gage<br>F. Shore ice<br>G. Floating ice<br>H. Pool stage |      |     |         |  |          |  |  |  |  |  | MPX Twin Cities/Chanhassen |   |  | 21-7107-09        |  |



|                    |                         |       |
|--------------------|-------------------------|-------|
| STATE<br><b>MN</b> | COUNTY<br><b>Dakota</b> | RIVER |
|--------------------|-------------------------|-------|

|                                   |                             |                               |                      |
|-----------------------------------|-----------------------------|-------------------------------|----------------------|
| TIME (local) OF OBSERVATION RIVER | TEMPERATURE<br><b>08:00</b> | PRECIPITATION<br><b>08:00</b> | STANDARD TIME IN USE |
|-----------------------------------|-----------------------------|-------------------------------|----------------------|

**RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS**

|                    |                              |             |                   |
|--------------------|------------------------------|-------------|-------------------|
| TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE |
|--------------------|------------------------------|-------------|-------------------|

| DATE | TEMPERATURE                  |      |         | PRECIPITATION                               |   |   |  |   |      |   |   |      |   |   |   |    | WEATHER (Observation Day)                 |             |         |         |       |                | RIVER STAGE                                |           |                        | REMARKS<br>(SPECIAL OBSERVATIONS, ETC.) |          |    |  |  |  |  |  |  |  |                    |   |  |  |
|------|------------------------------|------|---------|---|---|---|--|---|------|---|---|------|---|---|---|----|---|-------------|---------|---------|-------|----------------|--|-----------|------------------------|---|----------|----|--|--|--|--|--|--|--|--------------------|---|--|--|
|      | 24 HRS ENDING AT OBSERVATION |      | AT OBSN | 24 HR AMOUNTS                               |   | AT OB<br><small>Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved</small> |  |   |      |   |   |      |   |   |   |    | Mark 'X' for all types occurring each day |             |         |         |       |                | Time of occurrence if different from above | Condition | Gage reading at ___ AM |   | Tendency |    |  |  |  |  |  |  |  |                    |   |  |  |
|      | MAX                          | MIN  |         | Rain, melted snow, etc. (in and hundredths) | Snow, ice pellets, hail (ins. and tenths) | A.M.  |  |   | NOON |   |   | P.M. |   |   |   |    | Fog                                       | Ice pellets | Glaze   | Thunder | Hail  | Damaging winds |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 1    | 78                           | 56   | 58      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 2    | 75                           | 55   | 57      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 3    | 74                           | 53   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 4    | 75                           | 56   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 5    | 79                           | 57   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 6    | 78                           | 65   | 69      | 1.18  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  | 4-day precip total |   |  |  |
| 7    | 78                           | 68   | 68      | 0.50  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  | 9:15 AM Reading    |   |  |  |
| 8    | 75                           | 62   | 62      | T   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 9    | 77                           | 61   | 61      | 0.15  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 10   | 73                           | 59   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 11   | 70                           | 53   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 12   | 79                           | 52   | 61      | T   | 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 |  |  |  |  |  |  |  | 3-day precip total |   |  |  |
| 13   | 82                           | 56   | 56      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 14   | 65                           | 48   | 48      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    | At 8:00 the AT OBSERVATION temp showed 48. Chan |  |  |
| 15   | 69                           | 46   | 57      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 16   | 75                           | 52   | 62      | 1.65  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 17   | 75                           | 59   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 18   | 72                           | 54   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 19   | 84                           | 52   | 64      | T   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    | 3-day precip total                              |  |  |
| 20   | 78                           | 56   | 56      | T   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 21   | 80                           | 52   | 64      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 22   | 73                           | 63   | 63      | 1.25  | 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   | 70                           | 60   | 60      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 24   | 68                           | 60   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 25   | 73                           | 62   | M       | M   | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 26   | 68                           | 50   | 51      | 0.45  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 27   | 66                           | 48   | 49      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 28   | 59                           | 47   | 51      | 0.05  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 29   | 61                           | 49   | 49      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 30   | 67                           | 46   | 50      | 0.00  | 0.0                                       | 0   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
| 31   |                              |      |         |   |   |   |  |   |      |   |   |      |   |   |   |    |   |             |         |         |       |                |  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |
|      | 73.2                         | 55.2 | SUM     | 5.23  |   |   | CHECK BAR (for wire weight) NORMAL CHECK BAR |   |      |   |   |      |   |   |   |    |   | Fog         | Ice pel | Glaze   | Thund | Hail           | Dam winds                                  |           |                        |   |          |    |  |  |  |  |  |  |  |                    |   |  |  |

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

|          |  |  |
|----------|--|--|
| OBSERVER | SUPERVISING OFFICE<br>MPX Twin Cities/Chanhassen | STATION INDEX NO.<br><b>21-7107-09</b> |
|----------|--|--|




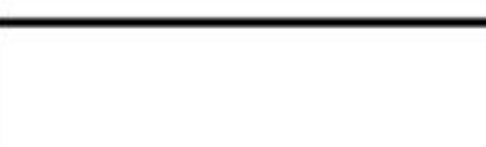
|                    |                         |       |
|--------------------|-------------------------|-------|
| STATE<br><b>MN</b> | COUNTY<br><b>Dakota</b> | RIVER |
|--------------------|-------------------------|-------|

|                                      |                             |                               |                      |
|--------------------------------------|-----------------------------|-------------------------------|----------------------|
| TIME (local) OF OBSERVATION<br>RIVER | TEMPERATURE<br><b>08:00</b> | PRECIPITATION<br><b>08:00</b> | STANDARD TIME IN USE |
|--------------------------------------|-----------------------------|-------------------------------|----------------------|

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

|                    |                              |             |                   |
|--------------------|------------------------------|-------------|-------------------|
| TYPE OF RIVER GAGE | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE | NORMAL POOL STAGE |
|--------------------|------------------------------|-------------|-------------------|

| DATE | TEMPERATURE                  |     |         | PRECIPITATION                               |   |       |   |      |      |     |             |       |         |      |                |           | WEATHER (Observation Day) |   |   |   |   |   | RIVER STAGE |  |           | REMARKS<br><i>(SPECIAL OBSERVATIONS, ETC.)</i> |                          |                    |              |
|------|------------------------------|-----|---------|---|---|-------|---|------|------|-----|-------------|-------|---------|------|----------------|-----------|---------------------------|---|---|---|---|---|-------------|--|-----------|--|--------------------------|--------------------|--------------|
|      | 24 HRS ENDING AT OBSERVATION |     | AT OBSN | 24 HR AMOUNTS                               |   | AT OB | Draw a straight line (-----) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved |      |      |     |             |       |         |      |                |           |                           | Mark 'X' for all types occurring each day |   |   |   |   |             | Time of occurrence if different from above | Condition |  | Gage reading at<br>__ AM | Tendency           |              |
|      | MAX                          | MIN |         | Rain, melted snow, etc. (in and hundredths) | Snow, ice pellets, hail (ins. and tenths) |       | A.M.  | NOON | P.M. | Fog | Ice pellets | Glaze | Thunder | Hail | Damaging winds | Condition | Gage reading at<br>__ AM  | Tendency                                  |   |   |   |   |             |  |           |  |                          |                    |              |
|      |                              |     | 1       |   |   | 2     |   |      |      |     |             |       |         |      |                |           |                           |   | 3 | 4 | 5 | 6 | 7           | 8  | 9         |  | 10                       | 11                 | 1            |
|      |                              |     |         |   |   |       |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 1    | 70                           | 48  | M       | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 2    | 73                           | 51  | M       | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 3    | 73                           | 48  | 52      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 4    | 75                           | 49  | 58      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 5    | 76                           | 56  | 56      | 0.65  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 6    | 65                           | 50  | 50      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 7    | 61                           | 43  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 8    | 50                           | 33  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 9    | 51                           | 32  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 10   | 61                           | 33  | 51      | 0.65  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          | 4-day precip total |              |
| 11   | 74                           | 49  | 55      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 12   | 73                           | 48  | 48      | T   | 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                 | 8:40 Reading |
| 13   | 48                           | 39  | 39      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 14   | 55                           | 32  | 42      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 15   | 62                           | 41  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 16   | 69                           | 48  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 17   | 69                           | 41  | 63      | T   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          | 3-day precip total |              |
| 18   | 74                           | 53  | 53      | 0.15  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 19   | 67                           | 46  | 46      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 20   | 58                           | 41  | 41      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 21   | 52                           | 34  | 34      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 22   | 55                           | 34  | M       | 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   | 65                           | 37  | M       | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 24   | 58                           | 42  | 42      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 25   | 57                           | 33  | 39      | 0.00  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 26   | 50                           | 38  | 44      | 0.75  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 27   | 45                           | 41  | 41      | 0.05  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 28   | 49                           | 41  | 47      | 0.02  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 29   | 72                           | 45  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 30   | 55                           | 45  | M       | M   | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          |                    |              |
| 31   | 45                           | 40  | 45      | 0.18  | 0.0                                       | 0     |   |      |      |     |             |       |         |      |                |           |                           |   |   |   |   |   |             |  |           |  |                          | 3-day precip total |              |

|                             |      |                         |     |      |  |   |  |  |  |  |  |  |  |  |  |  |      |  |  |     |         |       |       |      |           |   |   |   |  |  |  |  |  |
|-----------------------------|------|-------------------------|-----|------|--|---|--|--|--|--|--|--|--|--|--|--|------|--|--|-----|---------|-------|-------|------|-----------|---|---|---|--|--|--|--|--|
|                             | 61.5 | 42.3                    | SUM | 2.45 |  |  | CHECK BAR (for wire weight) NORMAL CHECK BAR |  |  |  |  |  |  |  |  |  |      |  |  | Fog | Ice pel | Glaze | Thund | Hail | Dam winds |  |  |  |  |  |  |  |  |
| CONDITION OF RIVER AT GAGE  |      |                         |     |      |  | READING   |  |  |  |  |  |  |  |  |  |  | DATE |  |  |     |         |       |       |      |           |   |   | OBSERVER  |  |  |  |  |  |
| A. Obstructed by rough ice  |      | E. Ice gorge below gage |     |      |  |   |  |  |  |  |  |  |  |  |  |  |      |  |  |     |         |       |       |      |           |   |   | SUPERVISING OFFICE  |  |  |  |  |  |
| B. Frozen, but open at gage |      | F. Shore ice            |     |      |  |   |  |  |  |  |  |  |  |  |  |  |      |  |  |     |         |       |       |      |           |   |   | MPX Twin Cities/Chanhassen  |  |  |  |  |  |
| C. Upper surface smooth ice |      | G. Floating ice         |     |      |  |   |  |  |  |  |  |  |  |  |  |  |      |  |  |     |         |       |       |      |           |   |   | STATION INDEX NO.   |  |  |  |  |  |
| D. Ice gorge above gage     |      | H. Pool stage           |     |      |  |   |  |  |  |  |  |  |  |  |  |  |      |  |  |     |         |       |       |      |           |   |   | 21-7107-09  |  |  |  |  |  |

|                             |  |                              |                            |                      |  |
|-----------------------------|--|------------------------------|----------------------------|----------------------|--|
| STATE <b>MN</b>             |  | COUNTY <b>Dakota</b>         |                            | RIVER                |  |
| TIME (local) OF OBSERVATION |  | TEMPERATURE <b>08:00</b>     | PRECIPITATION <b>08:00</b> | STANDARD TIME IN USE |  |
| TYPE OF RIVER GAGE          |  | ELEVATION OF RIVER GAGE ZERO | FLOOD STAGE                | NORMAL POOL STAGE    |  |

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

| DATE | TEMPERATURE                  |     |         | PRECIPITATION                               |   |       | WEATHER (Observation Day)                 |   |   |      |   |   | RIVER STAGE                                |           |                        | REMARKS<br>(SPECIAL OBSERVATIONS, ETC.) |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
|------|------------------------------|-----|---------|---|---|-------|---|---|---|------|---|---|--|-----------|------------------------|---|----------|------|----|----|---|---|---|---|---|----|----|-----|-------------|-------|---------|---|----------------|
|      | 24 HRS ENDING AT OBSERVATION |     | AT OBSN | 24 HR AMOUNTS                               |   | AT OB | Mark 'X' for all types occurring each day |   |   |      |   |   | Time of occurrence if different from above | Condition | Gage reading at ___ AM |   | Tendency |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
|      | MAX                          | MIN |         | Rain, melted snow, etc. (in and hundredths) | Snow, ice pellets, hail (ins. and tenths) |       | A.M.                                      |   |   | NOON |   |   |  |           |                        |   |          | P.M. |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
|      |                              |     |         |   | 1   | 2     | 3   | 4 | 5 | 6    | 7 | 8 | 9  | 10        | 11                     |   | 1        | 2    | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Fog | Ice pellets | Glaze | Thunder | Hail  | Damaging winds |
| 1    | 56                           | 40  | 45      | T   | 0.0                                       | 0     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 2    | 65                           | 42  | 42      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 3    | 63                           | 39  | 44      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 4    | 66                           | 40  | 41      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 5    | 70                           | 39  | M       |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 6    | 72                           | 42  | M       |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 7    | 69                           | 44  | 47      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 8    | 66                           | 45  | 46      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 9    | 58                           | 34  | 36      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 10   | 60                           | 32  | 47      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 11   | M                            | M   | M       |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         | Information as stated is actually data from Nov |                |
| 12   | 51                           | 30  | M       |   | 0.00                                      | 0.0   |   |   |   | 1    | 2 | 3 | 4  | 5         | 6                      | 7                                       | 8        | 9    | 10 | 11 | 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8   | 9           | 10    | 11      |   |                |
| 13   | 54                           | 26  | M       |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 14   | 61                           | 39  | 41      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 15   | 49                           | 35  | 36      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 16   | 56                           | 31  | 39      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 17   | 60                           | 34  | 47      |   | 0.00                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 18   | 57                           | 44  | 46      |   | 0.05                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 19   | 48                           | 30  | M       | M   | M   | M     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 20   | 32                           | 21  | M       | M   | 0.0                                       | 0     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 21   | 30                           | 20  | 23      |   | 0.45                                      | 0.0   |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         | 3-day precip total                              |                |
| 22   | 38                           | 18  | 32      | T   | 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   | 34                           | 31  | 33      |   | 0.70                                      | 1.5   | 2   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 24   | 35                           | 32  | M       | M   | 0.0                                       | M     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 25   | 36                           | 32  | M       | M   | 0.0                                       | M     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 26   | 35                           | 29  | M       | M   | 0.0                                       | 0     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 27   | 45                           | 28  | M       | M   | 0.0                                       | 0     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 28   | 51                           | 27  | 51      |   | 0.48                                      | 0.0   | 0   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         | 5-day precip total                              |                |
| 29   | 54                           | 36  | 36      |   | 0.10                                      | 0.0   | 0   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 30   | 36                           | 34  | 34      | T   | 0.0                                       | 0     |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |
| 31   |                              |     |         |   |   |       |   |   |   |      |   |   |  |           |                        |   |          |      |    |    |   |   |   |   |   |    |    |     |             |       |         |   |                |

|   |  |      |  |   |      |     |   |  |  |  |      |  |  |  |   |  |  |  |  |     |         |                                 |       |      |           |   |  |  |
|---|--|------|--|---|------|-----|---|--|--|--|------|--|--|--|---|--|--|--|--|-----|---------|---------------------------------|-------|------|-----------|---|--|--|
| 52.0  |  | 33.6 |  | SUM   | 1.78 | 1.5 | <input checked="" type="checkbox"/> CHECK BAR (for wire weight) <input type="checkbox"/> NORMAL CHECK BAR |  |  |  |      |  |  |  |   |  |  |  |  | Fog | Ice pel | Glaze                           | Thund | Hail | Dam winds | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |  |  |
| CONDITION OF RIVER AT GAGE  |  |      |  |   |      |     | READING   |  |  |  | DATE |  |  |  | OBSERVER<br>Closed by WFO MPX (wfompx) on 23 Dec 2016 02:53PM |  |  |  |  |     |         |                                 |       |      |           |   |  |  |
| A. Obstructed by rough ice<br>B. Frozen, but open at gage<br>C. Upper surface smooth ice<br>D. Ice gorge above gage |  |      |  | E. Ice gorge below gage<br>F. Shore ice<br>G. Floating ice<br>H. Pool stage |      |     |   |  |  |  |      |  |  |  |   | SUPERVISING OFFICE<br>MPX Twin Cities/Chanhassen |  |  |  |     |         | STATION INDEX NO.<br>21-7107-09 |       |      |           |   |  |  |

