| STATION (Climatological)  Boulder  (River Station, if different)  |           |             |            |  |                                  |                                       |                               |   | ) M(              | Jul 2021        |                         |                 |  |  |                |  | WS FORM B-91  U.S. DEPARTMENT OF COMMERCE  (03-09)  NATIONAL MEATHER SERVICE |                         |                     |   |               |          |                               |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
|---|-----------|-------------|------------|--|----------------------------------|---------------------------------------|-------------------------------|---|-------------------|-----------------|-------------------------|-----------------|--|--|----------------|--|--|-------------------------|---------------------|---|---------------|----------|-------------------------------|---------------------|------------------|------------------------|-----------|---------------|------------------------------|---|--|--|--|--|--|
| STATE COUNTY Boulder  |           |             |            |  |                                  |                                       |                               |   |                   | RI              | RIVER                   |                 |  |  |                |  |  |                         |                     |   |               |          |                               |                     |                  |                        |           |               | NATIONAL WEATHER SERVICE     |   |  |  |  |  |  |
| TIME (local) OF OBSERVATION RIVER TEMPERATURE PRECIPITATION 17:00   |           |             |            |  |                                  |                                       |                               |   |                   |                 | STANDARD TIME IN USE    |                 |  |  |                |  |  |                         |                     | RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS |               |          |                               |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
| TYPE OF RIVER GAGE ELEVATION OF RIVER GAGE ZERO   |           |             |            |  |                                  |                                       |                               |   |                   |                 |                         |                 | NORMAL POOL STAGE  |  |                |  |  |                         |                     |   |               |          |                               |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
| TEMPERATURE   |           |             |            |  |                                  |                                       |                               | PRECIPITATION   |                   |                 |                         |                 |  |  |                |  |  |                         |                     |   |               |          |                               |                     | Observation Day) |                        |           | RIVER STAGE   |                              |   |  |  |  |  |  |
|   | 041100    | - N D I N O |            | 24 HR AMOUNT                             |                                  | S AT OB                               | Diaw a straight line () throu |   |                   |                 |                         |                 | ough hours precipitation was observed, and a wavy line rs precipitation probably occurred unobserved |  |                |  |  |                         | e N                 | lark 'X'  | 'X' for all t | types o  | ccurrir                       | ing each            | day              | ence                   | A.        | Gage          |                              |   |  |  |  |  |  |
|   | 24 HRS    | ENDING<br>T |            | Ited<br>S. hs)                           | w, ice<br>ets, hail<br>and tenth | w, ice<br>ets, hail<br>on<br>ind (in) |                               |   |                   |                 |                         |                 |  |  |                |  |  | servea                  |                     | 4   | ets           | SIS      |                               | <u></u>             |                  | ng                     | occuri    | п             | reading                      | JC                                      |  |  |  |  |  |
| Ш   |           | VATION      |            | n, mel<br>n, etc<br>nd<br>dredti         |                                  |                                       | A.M.                          |   |                   |                 |                         |                 | NOC  | ON P.M.  |                |  |  |                         | $\dashv$ $\_$       |   | beile         | Glaze    | Inde                          | _                   | nagi<br>ds       | Time of ocif different | Condition | at<br>AM      | Tenden                       | REMARKS<br>(SPECIAL OBSERVATIONS, ETC.) |  |  |  |  |  |
| DA  | MAX       |             | AT<br>OBSN | Rain, m<br>snow, e<br>(in and<br>hundred | Sno<br>pelle<br>(ins.            | Snow, is pellets, ice on ground       |                               |   |                   |                 |                         | 0 40            | .  |  | •              | 4 5 6 7 8 9 10 11                            |  |                         | ,   g               | '   <u>3</u>                                    | <u>8</u>      |          | ĮĘ                            | Hail                | Dan              |                        |           |               |                              |   |  |  |  |  |  |
| 1   | 77        | MIN<br>57   | 61         | 1.36                                     | 0.0                              | 0                                     |                               | $\frac{2}{1}$   | 4 ;               | ΪÎ              | $\frac{7 ^{8}}{1 ^{1}}$ | 9 10            |  | $\frac{1}{1}$                                    | <del>3</del> / | To Ta  | $\top$   | * 9                     | 10 1                | 1   | +             | $\dashv$ |                               | V                   |                  |                        |           |               |                              |   | (OF EGIAL OBOLKVATIONO, ETC.)                    |  |  |  |  |
| 2   | 83        | 52          | 79         | 0.04                                     |                                  | 0                                     | ╁                             | +   | +                 | ╁               | ++                      | ++              | ╫  | ╫  | ╁              | <del> </del>                                 |  | ╫                       | +                   | +   | +             | -        | +                             | ^-                  |                  |                        |           |               |                              |   |  |  |  |  |  |
| 3   | 87        | 55          |            | 0.19                                     |                                  | 0                                     | H                             | +   |                   | ╫               | ╁┼                      | ╫               | ++   | ╫  | +              | H  | ╫  | ++                      | +                   |   | +             | +        |                               | <del>.  </del>      |                  |                        |           |               |                              | -                                       | Thunderstorm passed from west to east 1215-1315; |  |  |  |  |
| 1   | 85        | 57          |            | 0.00                                     |                                  | 0                                     | ++                            | <del>' ~ </del>   | <del>~</del>  -   | ₩               | ++                      | ++              | ++   | ++   | +              | ₩  | ++   | ++                      | -                   | +   | +             | _        | -                             | $\frac{\Lambda}{V}$ |                  |                        |           |               |                              |   | Thunder to the NW, 1400-1430.                    |  |  |  |  |
| -4  | 86        | 56          | м          | m  | 0.0                              | 0                                     | ₩                             | +   | +                 | ₩               | ₩                       | ╫               | ╫  | ╫  | +              | ₩  | ╫  | ++                      | +                   | +   | +             | +        | -                             | $\frac{X}{V}$       |                  |                        |           |               |                              |   | Indiade do die in, elocation                     |  |  |  |  |
| 5   |           |             |            | 10 00                                    |                                  |                                       | ₩                             | +   | +                 | ₩               | ₩                       | ╫               | ╫  | ++   | +              | ₩  | ₩  | ++                      | +                   |   | +             | _        | -                             | <del>4</del>        | -                |                        |           |               |                              |   |  |  |  |  |  |
| 6   | 83        | 59          | 78         | 0.00                                     |                                  | -                                     | ₩                             | +   | +                 | ₩               | ++                      | ++              | ++   | $+\!+\!$   | +              | ₩  | ++   | ++                      | -                   |   | +             | _        |                               | <u>X  </u>          |                  |                        |           |               |                              |   |  |  |  |  |  |
| 7   | 87        | 56          |            | 0.20                                     |                                  | 0                                     | Н                             | +   | _                 | Н               | +                       |                 | ++   | +  | +              | ₩  | ++   | +                       | -                   |   | +             | _        | $\dashv$                      | _                   |                  |                        |           |               |                              |   | Rain and thunder previous evening                |  |  |  |  |
| 8   | 98        | 56          | 88         | 0.00                                     |                                  | 0                                     | Н                             | +   |                   | Н               | ++                      | 44              | ++   |  | $\bot$         | Н-   | $\bot$   | $\sqcup$                |                     |   | +             |          | _                             | $\dashv$            |                  |                        | - 3       |               |                              |   |  |  |  |  |  |
| 9   | 94        | 67          | 90         | 0.00                                     |                                  | 0                                     | Ш                             | Ш   |                   | Щ               | $\bot \bot$             | $\bot\bot$      | $\perp \! \! \perp$  |  | $\perp$        | Ш  | $\perp \perp$  | Ш                       | Ш                   |   | _             | $\perp$  |                               | X                   |                  |                        |           |               |                              |   | thunder 1530                                     |  |  |  |  |
| 10  | 91        | 58          | 80         | 0.00                                     | 0.0                              | 0                                     | Ц                             |   |                   | Ш               | $\perp \perp$           |                 | $\perp \downarrow$   | Ш  |                | Ш  |  | Ш                       | Ш                   |   | $\perp$       |          |                               |                     |                  |                        |           |               |                              |   | FROPA 2345, Calendar Day MAX 82                  |  |  |  |  |
| 11  | 84        | 52          | 84         | 0.00                                     | 0.0                              | 0                                     |                               |   |                   |                 |                         |                 | Ш  |  |                |  |  |                         |                     |   |               |          |                               |                     |                  |                        |           |               |                              |   | smoke haze all day                               |  |  |  |  |
| 12  | 88        | 52          | 87         | 0.00                                     | 0.0                              | 0                                     | 1                             | 2 3   | 4 5               | 5 6             | 7 8                     | 9 10            | 11   | 1 2  | 3 .            | 4 5  | 6 7  | 8 9                     | 10 1                | 1   |               |          |                               |                     |                  |                        |           |               |                              |   | smokey haze all day                              |  |  |  |  |
| 13  | 87        | 62          | 73         | 0.15                                     | 0.0                              | 0                                     |                               |   |                   |                 |                         |                 |  |  | -              |  |  |                         |                     |   |               |          |                               | x                   |                  |                        |           |               |                              |   |  |  |  |  |  |
| 14  | 78        | 58          | 69         | 0.01                                     | 0.0                              | 0                                     | П                             |   |                   |                 | П                       | $\Pi$           | П  | П  |                |  | П  | П                       |                     |   |               |          |                               | Х                   |                  |                        |           |               |                              |   |  |  |  |  |  |
| 15  | 82        | 52          | 72         | 0.02                                     | 0.0                              | 0                                     | П                             | П   |                   | П               | $\sqcap$                | T               | П  | T <u>_</u> _ .                                   | _              | П  | П  | П                       |                     |   | $\top$        |          |                               |                     |                  |                        |           |               |                              |   | Pcpn ~1345-1405                                  |  |  |  |  |
| 16  | 90        | 54          | 78         | T  | 0.0                              | 0                                     | П                             | $\top$  | $\top$            | П               | $\top$                  | $\top$          | $\top$   | $\dashv \dashv$                                  | $\top$         |  | $\top$   | $\top$                  |                     |   | 十             |          | $\neg$                        | $\neg$              |                  |                        |           |               |                              |   |  |  |  |  |  |
| 17  | 91        | 56          | 81         | 0.00                                     | 0.0                              | 0                                     | $\sqcap$                      | $\top$  |                   | $\sqcap$        | $\top$                  | $\top$          | $\top$   | П  | $\top$         | $\top$                                       | $\top$   | $\top$                  | $\top$              | $\top$  | $\top$        |          | $\neg$                        |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
| 18  | 91        | 56          | 89         | 0.00                                     | 0.0                              | 0                                     | ${\sf H}$                     | $\top \!$ | $\top$            | ${\sf H}$       | $\dagger \dagger$       | $\top$          | ++   | $\top$   | $\top$         | $\vdash$                                     | $\top$   | $\forall$               | $\top$              |   | +             | $\dashv$ | $\neg \dagger$                | 一                   |                  |                        |           |               |                              |   |  |  |  |  |  |
| 19  | 92        | 58          | 90         | 0.00                                     | 0.0                              | 0                                     | ${}^{\dag}$                   | $\top$  | +                 | H               | ++                      | ++              | ++   | +  | $\top$         | ${}^{\dagger}$                               | ++   | $\forall$               | $\dashv$            | $\top$  | +             | $\dashv$ | $\neg$                        | $\neg$              |                  |                        |           |               |                              |   |  |  |  |  |  |
| 20  | 93        | 56          | 84         | 9021 5555-04                             | 0.0                              | 0                                     | $\vdash$                      | +   | +                 | $\vdash$        | ++                      | ++              | ++   | +  | $\top$         | ++   | ++   | ++                      | $\top$              | +   | +             | $\top$   | $\dashv$                      | $\dashv$            |                  |                        |           | ,             |                              |   | smoke haze all day                               |  |  |  |  |
| 21  | 89        | 61          | 79         | 900                                      | 0.0                              | 0                                     | $\vdash$                      | +   | +                 | $\vdash$        | ++                      | ++              | ++   | ╫  | +              | $\vdash$                                     | ++   | $\forall \exists$       | -                   | +   | +             | +        | -+                            | $\dashv$            |                  |                        |           |               | -                            |   | Soft thunder 1635-1650                           |  |  |  |  |
| 22  | 94        | 61          | 83         |  | 0.0                              | 0                                     | 1                             | 2 3   | 4 1               | 5               | 7 8                     | 9 10            | 11   | 1 2  | 3              | <u>                                     </u> | <u> </u>   | 8 9                     | 10 1                | 1   | +             | $\dashv$ | $\dashv$                      | $\dashv$            | -                |                        |           |               |                              |   |  |  |  |  |  |
| 22  | 93        | 65          | 72         | 0.12                                     | -                                | _                                     | +                             | <u> </u>  | $\overline{\Box}$ | ΤŤ              | <del>, ,</del>          | <del>J /J</del> | $\frac{n}{1}$  | <del>,                                    </del> | T              | ТТ   | ŤŤ   | TT                      |                     |   | +             | $\dashv$ |                               | 7,                  |                  |                        |           |               | <br>                         |   |  |  |  |  |  |
| 23  | 86        |             |            |  |                                  | 0                                     | ₩                             | ++  | +                 | ₩               | ++                      | ++              | ++   | ++   | #              | ++   | ++   | ++                      | +                   | _   | +             | +        | -                             | X                   |                  |                        |           |               |                              |   |  |  |  |  |  |
| 24  |           | 62          | 82         |  | 0.0                              | 0                                     | ₩                             | +   | +                 | ₩               | ++                      | ++              | ++   | $+\!\!+\!\!\!+$                                  | +              | ₩  | ++   | ++                      | +                   | +   | +             | +        | ž.                            |                     |                  |                        |           |               |                              |   | hazv dav   |  |  |  |  |
| 25  | 90        | 61          | 84         |  | 0.0                              | 0                                     | ₩                             | +   | +                 | ₩               | ++                      | ++              | ++   | $+\!\!+\!\!\!+$                                  | +              | ₩  | ╀  | -                       | +                   | +   | +             | +        |                               | <u>X  </u>          |                  |                        | _         |               |                              |   | hazy day   |  |  |  |  |
| 26  | 91        | 56          | 90         |  | 0.0                              | 0                                     | $\vdash \vdash$               | +   | +                 | $\vdash \vdash$ | ++                      | ++              | ++   | $+\!\!+\!\!\!+$                                  | +              | $+\!\!+$                                     | ++   | +                       | $+\!\!\!+\!\!\!\!+$ | $\perp$   | +             | +        | +                             | $\dashv$            |                  |                        |           |               |                              |   | thunderstorm with heavy rain yesterday evening   |  |  |  |  |
| 27  | 93        |             |            | 0.00                                     |                                  |                                       | $\vdash \vdash$               | +   | +                 | $\vdash$        | $+\!\!+\!\!\!+$         | $+\!\!+$        | $+\!\!+\!\!\!+$  | $+\!\!+\!\!\!+$                                  | +              | igwdapprox                                   | ++   | +                       | +                   | $\perp$   | +             | $\perp$  | $\dashv$                      | $\dashv$            |                  |                        |           |               |                              |   |  |  |  |  |  |
| 28  | 95        | 58          |            | 0.00                                     |                                  | 0                                     | $\sqcup$                      | $\bot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$                 | $\perp$           | $\sqcup$        | $\coprod$               | $\coprod$       | $\coprod$  | $\coprod$  | $\bot$         | $\coprod$                                    | $\coprod$  | $\downarrow \downarrow$ | Щ                   |   | _             | $\perp$  | $\perp$                       |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
| 29  | 89        | 58          | 81         | 0.00                                     | 0.0                              | 0                                     | Ш                             | Ш   | $\perp$           | Щ               | Ш                       | $\perp \perp$   | $\bot\!\!\!\!\bot$   | $\perp \! \! \perp$                              | $\bot$         | Ш  | $\perp \perp$  | ᆈ                       |                     |   | $\bot$        |          |                               | _                   |                  |                        |           |               |                              |   | Cb over Denver at ob                             |  |  |  |  |
| 30  | 91        | 61          | 76         | 0.02                                     | 0.0                              | 0                                     | Ц                             | Ш   | $\perp$           | Ц               | Ш                       | $\perp \perp$   | $\perp \downarrow$   | Щ  | $\perp$        | Щ  | <u> </u>   | -11                     | $\perp$             |   | ┸             |          |                               | X                   |                  |                        |           |               |                              |   |  |  |  |  |  |
| 31  | 76        | 61          | 62         | 0.48                                     | 0.0                              | 0                                     | Ш                             |   |                   |                 |                         |                 |  | ~  | <u>~ -</u>     |  | -  |                         |                     |   | $\perp$       |          |                               | X                   |                  |                        |           |               |                              |   | Calendar-day and daytime MAX estimated 73.       |  |  |  |  |
|   | 88.2      | 57.7        | SUM        | 3.20                                     |                                  | $\geq \leq$                           |                               |   |                   |                 | r wire                  |                 |  |  | RMAL CHECK BAR |  |  |                         | -                   | bel 2   | aze           | pun      |                               | ر<br>ds             |                  | $\checkmark$           |           | $\bigvee$     |                              |   |  |  |  |  |  |
| С   | ONDITION  | OF RIVER    | AT GAGE    |  |                                  |                                       | READING                       |   |                   |                 |                         | DATE            |  |  |                |  |  | Fog                     | <u>'</u>            | <u>e</u>  | Gla:          | Thu      | Hail                          | Dam<br>winds        |                  |                        |           | $/ \setminus$ |                              |   |  |  |  |  |  |
| А   | . Obstruc | ted by ro   | ugh ice    | E. Ice                                   | gorge bel                        | ow gage                               |                               |   |                   |                 |                         |                 |  |  |                |  |  |                         |                     | 5445000   | SER           |          |                               |                     | D                |                        |           | M- + 1        | . V-11                       | /1-                                     | 21 a2) an 02 3 2021 07.473M                      |  |  |  |  |
| <ul> <li>B. Frozen, but open at gage</li> <li>C. Upper surface smooth ice</li> <li>D. Ice gorge above gage</li> <li>F. Shore ice</li> <li>G. Floating ice</li> <li>H. Pool stage</li> </ul> |           |             |            |  |                                  |                                       |                               |   |                   |                 |                         |                 |  |  |                |  |  |                         | _                   |   |               | A-S-     | John Brown and Matt Kelsch (b |                     |                  |                        |           |               |                              |   |  |  |  |  |  |
|   |           |             |            |  |                                  |                                       |                               |   |                   |                 |                         | $\dashv$        | 1  |  |                |  |  |                         |                     | visin<br>env                                    | G OFF<br>er   | FICE     |                               |                     |                  |                        |           |               | STATION INDEX NO. 05-0848-04 |   |  |  |  |  |  |
|   |           |             |            |  |                                  |                                       |                               |   |                   |                 |                         |                 |  |  |                |  |  |                         |                     |   |               |          |                               |                     |                  |                        |           |               |                              | 1000000                                 |  |  |  |  |  |