### DRAINS LAYER ROW COL ELEVATION CONDUCTANCE DRAIN NO.

<table>
<thead>
<tr>
<th>Layer</th>
<th>Row</th>
<th>Col</th>
<th>Elevation</th>
<th>Conductance</th>
<th>Drain No.</th>
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### RECHARGE WILL BE READ ON UNIT 18 USING FORMAT: (10E12.4)

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<tr>
<th>Unit</th>
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</tbody>
</table>

**NUMBER OF TIME STEPS = 1**

**MULTIPLIER FOR DELT = 1.000**

**INITIAL TIME STEP SIZE = 1.000000**

<table>
<thead>
<tr>
<th>LAYER</th>
<th>ROW</th>
<th>COL</th>
<th>STRESS RATE</th>
<th>WELL NO.</th>
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</table>

| 22 WELLS |
SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE

MAXIMUM ITERATIONS ALLOWED FOR CLOSURE = 25000
ACCELERATION PARAMETER = 1.0000
HEAD CHANGE CRITERION FOR CLOSURE = 0.10000E-02
SIP HEAD CHANGE PRINTOUT INTERVAL = 1
CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED

HORIZONTAL FLOW BARRIERS - LISTED BY LAYERS. WITHIN EACH LAYER, THE LOCATION OF A BARRIER IS IDENTIFIED BY THE 2 CELLS ON BOTH SIDES OF THE BARRIER. THE ROW AND COLUMN NUMBER OF THE TWO CELLS ARE RESPECTIVELY IROW1, ICOL1, AND IROW2, ICOL2.

<table>
<thead>
<tr>
<th>IROW1</th>
<th>ICOL1</th>
<th>IROW2</th>
<th>ICOL2</th>
<th>HYD. CONDJWIDTH</th>
<th>BARRIER NO.</th>
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<tr>
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<td>31</td>
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<td>29</td>
<td>30</td>
<td></td>
<td>0.5010E-04</td>
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<td>29</td>
<td></td>
<td>0.5010E-04</td>
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<td>33</td>
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<td>0.5010E-04</td>
<td>16</td>
</tr>
</tbody>
</table>

BOTTOM = -400.0000 FOR LAYER 1

0
| 0391 | 478.8 | 478.7 | 839.1 | 839.8 | 840.9 | 842.2 | 843.9 | 845.6 | 1048.1 |
| 0392 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 |
| 0393 | 2588 | 2588 | 2588 | 2588 | 2588 | 2588 | 2588 | 2588 | 2588 |
| 0394 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0395 | 1208 | 1208 | 1208 | 1208 | 1208 | 1208 | 1208 | 1208 | 1208 |
| 0396 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0397 | 375.8 | 375.8 | 375.8 | 375.8 | 375.8 | 375.8 | 375.8 | 375.8 | 375.8 |
| 0398 | 1251 | 1251 | 1251 | 1251 | 1251 | 1251 | 1251 | 1251 | 1251 |
| 0399 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0400 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0401 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0402 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0403 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0404 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0405 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0406 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0407 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

**HEAD PRINT FORMAT IS FORMAT NUMBER 0**

**DRAWDO1M4 PRINT FORMAT IS FORMAT NUMBER 0**

**OHMS WILL BE SAVED ON UNIT 30**

**DRAWDOWNS WILL BE SAVED ON UNIT 40**

**OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP**

**COLUMN TO ROW ANISOTROPY = 1.000000**

**DELR = 2000.000**

**DELC = 2000.000**

**HYD. COND. ALONG ROWS FOR LAYER 1 WILL BE READ ON UNIT 11 USING FORMAT: (10E124)**
WELL 3 (State No. 4954-01)

Observed vs. Simulated Water Levels

water level in ft. above msl

year

Observed S=0.01 S=0.05 S=0.1 S=0.2 S=0.4
WELL 4 (State No. 4952-02)

Observed vs. Simulated Water Levels

water level in ft. above msl

year

Observed

$S=0.01$

$S=0.05$

$S=0.1$

$S=0.2$

$S^*$
WELL 5 (State No.4852-02)

Observed vs. Simulated Water Levels

Observed $S=0.01$  -  $S=0.05$  -  $S=0.1$  -  $S=0.2$  -  $S=0.4$
WELL 9 (State No. 4854-01)

Observed vs. Simulated Water Levels

water level in ft. above msli

year

Observed • S=0.01 •• S=0.05 • S=0.1 •• S=0.2 •• S=0.4
SHAFT 1 (State No. 5253-01)
Observed vs. Transient Simulated W.L.

Observed water levels

Storage Coefficient S = 0.01, 0.1, & 0.4
WELL 1 (State No.4853-02)
Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 -'92 Average Pumpage

Observed water levels

S = Storage Coefficient

S = 0.4
S = 0.1
S = 0.01

water level in ft. above msl

year
SHAFT 3 BULKHEAD (State No. 4953-02)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42-'92 Average Pumpage

Observed water levels

$S =$ Storage Coefficient

$S=0.4$

$S=0.1$

$S=0.01$
WELL 2 in shaft 3 (State No.4953-01)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 - '92 Average Pumpage

Observed water levels

$S =$ Storage Coefficient

$S = 0.4$

$S = 0.1$

$S = 0.01$
WELL 3 (State No. 4954-01)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 -'92 Average Pumpage

Observed water levels.

$S = \text{Storage Coefficient}$

$S = 0.4$

$S = 0.1$

$S = 0.01$
WELL 4 (State No.4952-02)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 -'92 Average Pumpage

Observed water levels

$S =$ Storage Coefficient

$S=0.4$

$S=0.1$

$S=0.01$

Water level in ft. above msl

year

1942 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900
WELL 5 (State No. 4852-02)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 -'92 Average Pumpage

$S = \text{Storage Coefficient}$

Observed water levels

water level in ft. above msl

year

1400 1450 1500 1550 1600 1650 1700 1750

1942 2000 2200 2300 2400 2500 2600 2700 2800 2942
WELL 6 (State No. 5054-02)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 - '92 Average Pumpage

Observed water levels

\[ S = \text{Storage Coefficient} \]

- \( S = 0.4 \)
- \( S = 0.1 \)
- \( S = 0.01 \)

Water level in ft. above msl

Year

1942 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000

1040 1020 1000 980 960 940 920 900
WELL 9 (State No.4854-01)

Observed vs. Simulated Transient W.L.

Best-Fit Calibration Pumped at '42 - '92 Average Pumpage

Initial water level = 748

S = Storage Coefficient
LOWER MAUNALEI TUN (State No.5053-01)

Constant water level elevation = 1103
Constant water level elevation = 1505 msl
SHAFT 3 BULKHEAD (State No.4953-02)

monthly (latest period 13/94)
WELL 2 in shaft 3 (State No. 4953-01)

water level elevation (mсл) ft.

monthly (latest period 13/94)

dynamic static
WELL 3 (State No. 4954-01)

water level elevation (msl) ft.

monthly (latest period 13/94)

dynamic — static
WELL 4 (State No. 4952-02)

Water level elevation (msl ft.)

Monthly (latest period 13/94)

Dynamic  Static
WELL 5 (State No. 4852-02)

water level elevation (msl) ft.

monthly (latest period 13/94)

--- dynamic --- static