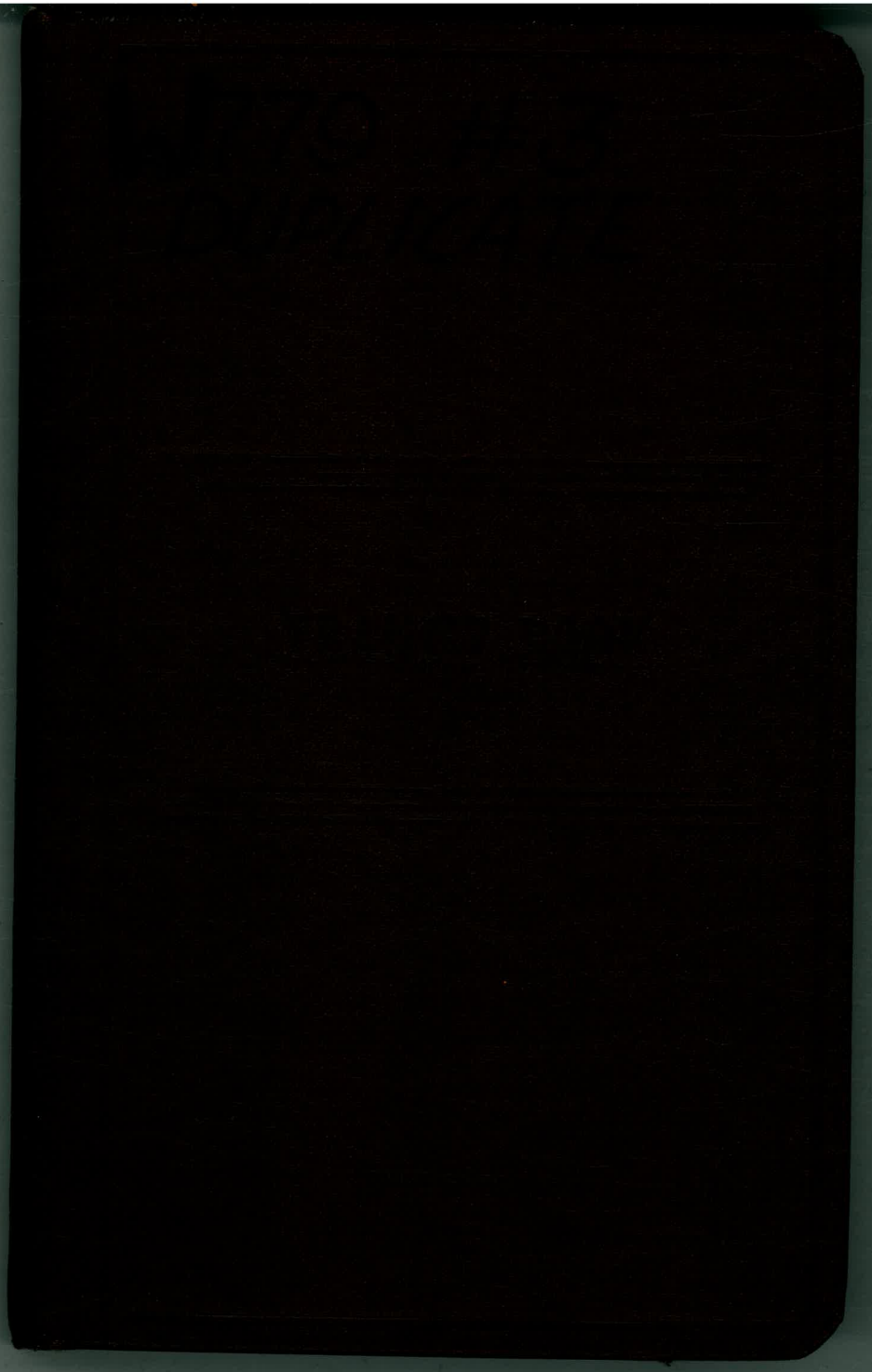
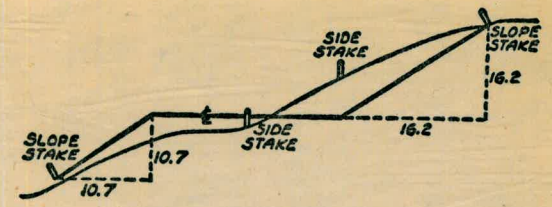





## Distances from Side Stakes for Cross-Sectioning

Slope 1 to 1. Roadway of Any Width

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 0 |
| 1 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 1 |
| 2 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 | 2.60 | 2.70 | 2.80 | 2.90 | 2 |
| 3 | 3.00 | 3.10 | 3.20 | 3.30 | 3.40 | 3.50 | 3.60 | 3.70 | 3.80 | 3.90 | 3 |
| 4 | 4.00 | 4.10 | 4.20 | 4.30 | 4.40 | 4.50 | 4.60 | 4.70 | 4.80 | 4.90 | 4 |
| 5 | 5.00 | 5.10 | 5.20 | 5.30 | 5.40 | 5.50 | 5.60 | 5.70 | 5.80 | 5.90 | 5 |
| 6 | 6.00 | 6.10 | 6.20 | 6.30 | 6.40 | 6.50 | 6.60 | 6.70 | 6.80 | 6.90 | 6 |
| 7 | 7.00 | 7.10 | 7.20 | 7.30 | 7.40 | 7.50 | 7.60 | 7.70 | 7.80 | 7.90 | 7 |
| 8 | 8.00 | 8.10 | 8.20 | 8.30 | 8.40 | 8.50 | 8.60 | 8.70 | 8.80 | 8.90 | 8 |
| 9 | 9.00 | 9.10 | 9.20 | 9.30 | 9.40 | 9.50 | 9.60 | 9.70 | 9.80 | 9.90 | 9 |
| 10 | 10.00 | 10.10 | 10.20 | 10.30 | 10.40 | 10.50 | 10.60 | 10.70 | 10.80 | 10.90 | 10 |
| 11 | 11.00 | 11.10 | 11.20 | 11.30 | 11.40 | 11.50 | 11.60 | 11.70 | 11.80 | 11.90 | 11 |
| 12 | 12.00 | 12.10 | 12.20 | 12.30 | 12.40 | 12.50 | 12.60 | 12.70 | 12.80 | 12.90 | 12 |
| 13 | 13.00 | 13.10 | 13.20 | 13.30 | 13.40 | 13.50 | 13.60 | 13.70 | 13.80 | 13.90 | 13 |
| 14 | 14.00 | 14.10 | 14.20 | 14.30 | 14.40 | 14.50 | 14.60 | 14.70 | 14.80 | 14.90 | 14 |
| 15 | 15.00 | 15.10 | 15.20 | 15.30 | 15.40 | 15.50 | 15.60 | 15.70 | 15.80 | 15.90 | 15 |
| 16 | 16.00 | 16.10 | 16.20 | 16.30 | 16.40 | 16.50 | 16.60 | 16.70 | 16.80 | 16.90 | 16 |
| 17 | 17.00 | 17.10 | 17.20 | 17.30 | 17.40 | 17.50 | 17.60 | 17.70 | 17.80 | 17.90 | 17 |
| 18 | 18.00 | 18.10 | 18.20 | 18.30 | 18.40 | 18.50 | 18.60 | 18.70 | 18.80 | 18.90 | 18 |
| 19 | 19.00 | 19.10 | 19.20 | 19.30 | 19.40 | 19.50 | 19.60 | 19.70 | 19.80 | 19.90 | 19 |
| 20 | 20.00 | 20.10 | 20.20 | 20.30 | 20.40 | 20.50 | 20.60 | 20.70 | 20.80 | 20.90 | 20 |
| 21 | 21.00 | 21.10 | 21.20 | 21.30 | 21.40 | 21.50 | 21.60 | 21.70 | 21.80 | 21.90 | 21 |
| 22 | 22.00 | 22.10 | 22.20 | 22.30 | 22.40 | 22.50 | 22.60 | 22.70 | 22.80 | 22.90 | 22 |
| 23 | 23.00 | 23 10 | 23 20 | 23.30 | 23.40 | 23.50 | 23.60 | 23.70 | 23.80 | 23.90 | 23 |
| 24 | 24 00 | 24 10 | 24.20 | 24.30 | 24.40 | 24.50 | 24.60 | 24.70 | 24.80 | 24.90 | 24 |
| 25 | 25.00 | 25.10 | 25.20 | 25.30 | 25.40 | 25.50 | 25.60 | 25.70 | 25.80 | 25.90 | 25 |
| 26 | 26 00 | 26.10 | 26.20 | 26.30 | 26.40 | 26.50 | 26.60 | 26.70 | 26.80 | 26.90 | 26 |
| 27 | 27.00 | 27.10 | 27.20 | 27.30 | 27.40 | 27.50 | 27.60 | 27.70 | 27.80 | 27.90 | 27 |
| 28 | 28 00 | 28.10 | 28.20 | 28.30 | 28.40 | 28.50 | 28.60 | 28.70 | 28.80 | 28.90 | 28 |
| 29 | 29 00 | 29.10 | 29.20 | 29 30 | 29.40 | 29.50 | 29.60 | 29.70 | 29.80 | 29.90 | 29 |
| 30 | 30 00 | 30.10 | 30.20 | 30 30 | 30.40 | 30.50 | 30.60 | 30.70 | 30.80 | 30.90 | 30 |
| 31 | 31.00 | 31.10 | 31 20 | 31.30 | 31.40 | 31.50 | 31.60 | 31.70 | 31.80 | 31.90 | 31 |
| 32 | 32.00 | 32.10 | 32 20 | 32.30 | 32.40 | 32.50 | 32.60 | 32.70 | 32.80 | 32.90 | 32 |
| 33 | 33.00 | 33 10 | 33 20 | 33 30 | 33.40 | 33.50 | 33.60 | 33.70 | 33.80 | 33.90 | 33 |
| 34 | 34 00 | 34 10 | 34 20 | 34 30 | 34 40 | 34.50 | 34.60 | 34.70 | 34.80 | 34.90 | 34 |
| 35 | 35 00 | 35 10 | 35 20 | 35.30 | 35.40 | 35.50 | 35.60 | 35.70 | 35.80 | 35.90 | 35 |
| 36 | 36 00 | 36 10 | 36 20 | 36.30 | 36.40 | 36.50 | 36.60 | 36.70 | 36.80 | 36.90 | 36 |
| 37 | 37 00 | 37.10 | 37 20 | 37.30 | 37.40 | 37.50 | 37.60 | 37.70 | 37.80 | 37.90 | 37 |
| 38 | 38 00 | 38.10 | 38 20 | 38.30 | 38.40 | 38.50 | 38.60 | 38.70 | 38.80 | 38.90 | 38 |
| 39 | 39 00 | 39 10 | 39.20 | 39.30 | 39.40 | 39.50 | 39.60 | 39.70 | 39.80 | 39.90 | 39 |
| 40 | 40.00 | 40.10 | 40.20 | 40.30 | 40.40 | 40.50 | 40.60 | 40.70 | 40.80 | 40.90 | 40 |
| 41 | 41.00 | 41.10 | 41 20 | 41.30 | 41.40 | 41.50 | 41.60 | 41.70 | 41.80 | 41.90 | 41 |
| 42 | 42 00 | 42.10 | 42 20 | 42.30 | 42.40 | 42.50 | 42.60 | 42.70 | 42.80 | 42.90 | 42 |
| 43 | 43.00 | 43.10 | 43.20 | 43.30 | 43.40 | 43.50 | 43.60 | 43.70 | 43.80 | 43.90 | 43 |
| 44 | 44.00 | 44 10 | 44.20 | 44.30 | 44.40 | 44.50 | 44.60 | 44.70 | 44.80 | 44.90 | 44 |
| 45 | 45.00 | 45 10 | 45.20 | 45.30 | 45.40 | 45.50 | 45.60 | 45.70 | 45.80 | 45.90 | 45 |
| 46 | 46.00 | 46.10 | 46.20 | 46.30 | 46.40 | 46.50 | 46.60 | 46.70 | 46.80 | 46.90 | 46 |
| 47 | 47.00 | 47 10 | 47.20 | 47.30 | 47.40 | 47.50 | 47.60 | 47.70 | 47.80 | 47.90 | 47 |
| 48 | 48.00 | 48.10 | 48 20 | 48.30 | 48.40 | 48.50 | 48.60 | 48.70 | 48.80 | 48.90 | 48 |
| 49 | 49.00 | 49.10 | 49 20 | 49.30 | 49.40 | 49.50 | 49.60 | 49.70 | 49.80 | 49.90 | 49 |
| 50 | 50.00 | 50.10 | 50.20 | 50.30 | 50.40 | 50.50 | 50.60 | 50.70 | 50.80 | 50.90 | 50 |

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

179-#3 DUPLICATE. ~~J. R. Jacobs~~

SAN PASQUAL VALLEY WEATHER STA.

NOTE: WIND GAUGE READINGS GO FROM 0 TO 990, THEN START OVER.

HOOK GAUGE IN EVAP. PAN IS ALWAYS SET AT 3" AFTER EACH READING, BY ADDING WATER TO THIS LEVEL, OR REMOVING WATER IF TOO HIGH.

READINGS TAKEN WEEKLY ON TUESDAY.

READINGS TAKEN WEEKLY, ON TUESDAY'S.



| 1964. | | EVAP. PAN. | | | TOTAL | AIR TEMP. | | WIND. | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE: | TIME: | HOOK GAUGE: | DIFF: | RAIN: | EVAP. | MAX. | MIN. | METER READING | DIFF. | DIR. |
| 1-7 | 9 A.M. | 4.04" | 1.04" | 0 | 1.04" | 86° | 26° | 870.8 | 304.4 | W. |
| 1-14 | 10 A.M. | 4.00" | 1.00" | 0.13" | 1.13" | 71° | 26° | 370.6 | 489.8 | S/E |
| 1-21 | NOON | 2.65" | −0.35" | 0.77" | 0.42" | 70° | 28° | 610.9 | 240.3 | S/E |
| 1-28 | 1:30 P.M. | 3.00" | 0" | 0.56" | 0.56" | 68° | 30° | 800.3 | 189.4 | W. |
| 2-4 | 1:10 P.M. | 3.97" | 0.97" | 0 | 0.97" | 70° | 35° | 190.5 | 380.2 | W. |
| 2-11 | 9:20 A.M. | 4.10" | 1.10" | 0 | 1.10" | 82° | 26° | 460.1 | 269.6 | — |
| 2-18 | 11:30 A.M. | 3.74" | 0.74" | 0.14" | 0.88" | 80° | 23° | 752.6 | 292.5 | N/E |
| 2-25 | 10 A.M. | 4.57" | 1.57" | 0 | 1.57" | 83° | 27° | 394.4 | 631.8 | N/E |
| 3-3 | 12:30 P.M. | 3.47" | 0.47" | 0.50" | 0.97" | 70° | 22° | 713.3 | 318.9 | E. |
| 3-10 | 10 A.M. | 4.08" | 1.08" | 0 | 1.08" | 70° | 26° | 106.2 | 382.9 | W. |
| 3-17 | 9 A.M. | 4.77" | 1.77" | 0.15" | 1.42" | 80° | 31° | 588.7 | 482.5 | E. |
| 3-24 | 9 A.M. | 2.88" | −0.12" | 1.43" | 1.31" | 84° | 38° | 183.0 | 584.3 | N. |
| 3-31 | 9:15 A.M. | 4.30" | 1.30" | 0.06" | 1.36" | 87° | 32° | 531.8 | 348.8 | N. |
| 4-7 | 9:30 A.M. | 3.51" | 0.51" | 0.57" | 1.09" | 70° | 36° | 50.4 | 508.6 | W. |
| 4-14 | 1 P.M. | 5.06" | 2.06" | 0 | 2.06" | 97° | 37° | 452.6 | 402.2 | E. |
| 4-21 | 9:45 A.M. | 4.60" | 1.60" | 0.07" | 1.67" | 98° | 39° | 850.5 | 397.9 | W. |
| 4-28 | 9:45 A.M. | 4.50" | 1.50" | 0.06" | 1.56" | 76° | 34° | 359.1 | 498.6 | W. |

| 1964 | | EVAP. PAN | | | TOTAL | AIR TEMP. | | WIND | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE: | TIME: | HOOK GAUGE: | DIFF. | RAIN: | EVAP: | MAX. | MIN. | METER READING | DIFF: | DIR. |
| 5-5 | NOON. | 3.79" | 0.79" | 0.33" | 1.12" | 67° | 43° | 826.2 | 467.1 | W. |
| 5-12 | 10 A.M. | 4.20" | 1.20" | 0.17" | 1.37" | 82° | 40° | 233.2 | 397.0 | W. |
| 5-19 | 10:30 A.M. | 4.85" | 1.85" | 0 | 1.85" | 78° | 46° | 684.8 | 451.6 | W. |
| 5-26 | 8:20 A.M. | 4.93" | 1.93" | 0 | 1.93" | 88° | 48° | 88.4 | 393.6 | W. |
| 6-2 | 9:20 A.M. | 5.00" | 2.00" | 0 | 2.00" | 80° | 43° | 510.3 | 421.9 | W. |
| 6-9 | 9:30 A.M. | 4.50" | 1.50" | 0.06" | 1.56" | 78° | 57° | 940.5 | 430.2 | — |
| 6-16 | 8:30 A.M. | 4.64" | 1.64" | 0 | 1.64" | 82° | 42° | 320.1 | 370.2 | W. |
| 6-23 | 8:45 A.M. | 4.84" | 1.84" | 0 | 1.84" | 84° | 50° | 705.6 | 384.9 | W. |
| 6-30 | 9:20 A.M. | 5.20" | 2.20" | 0 | 2.20" | 89° | 42° | 60.0 | 344.4 | W. |
| 7-7 | 9:30 A.M. | 5.38" | 2.38" | 0 | 2.38" | 92° | 44° | 449.1 | 389.7 | W. |
| | | | | PERIOD | 1-7-64 | TO 7-7-64 | MAILED TO STATE | 7-27-64 | | |
| 7-14 | 9:30 A.M. | 5.31" | 2.31" | 0 | 2.31" | 94° | 46° | 824.0 | 374.3 | W. |
| 7-21 | 10 A.M. | 5.40" | 2.40" | 0 | 2.40" | 92° | 52° | 251.3 | 417.3 | W. |
| 7-28 | 9 A.M. | 5.07" | 2.07" | 0 | 2.07" | 92° | 56° | 660.5 | 409.2 | W. |
| 8-4 | 11:30 A.M. | 5.30" | 2.30" | 0 | 2.30" | 93° | 56° | 160.7 | 490.2 | W. |
| 8-11 | 12:30 P.M. | 5.10" | 2.10" | TR. | 2.10" | 94° | 62° | 640.5 | 479.8 | W. |
| 8-18 | 1:45 P.M. | 5.05" | 2.05" | 0 | 2.05" | 89° | 53° | 180.9 | 530.4 | W. |
| 8-25 | 9:30 A.M. | 5.37" | 2.37" | 0 | 2.37" | 94° | 50° | 530.3 | 349.4 | W. |

| 1964 | | Evap. Pan. | | | Total | Air Temp. | | Wind | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date: | Time. | Hook Gauge: | Diff. | Rain: | Evap. | Max. | Min. | Meter Reading | Diff. | Dir. |
| 9-1 | 1:15 P.M. | 5.10" | 2.10" | 0 | 2.10" | 84° | 52° | 990.0 | 459.7 | W. |
| 9-8 | 1:10 P.M. | 5.08" | 2.08" | 0 | 2.08" | 94° | 46° | 410.3 | 410.3 | W. |
| 9-15 | 9 A.M. | 5.10" | 2.10" | 0 | 2.10" | 99° | 41° | 810.0 | 399.7 | — |
| 9-22 | 12:30 P.M. | 4.50" | 1.50" | 0 | 1.50" | 86° | 45° | 170.8 | 350.8 | W. |
| 9-29 | Noon | 4.43" | 1.43" | .02" | 1.45" | 93° | 50° | 550.3 | 379.5 | — |
| 10-6 | 1:00 P.M. | 4.74" | 1.74" | 0 | 1.74" | 100° | 48° | 857.0 | 306.7 | W. |
| 10-13 | 10:00 A.M. | 4.50" | 1.50" | 0 | 1.50" | 98° | 54° | 180.2 | 313.2 | — |
| 10-20 | 2:00 P.M. | 4.05" | 1.05" | 0.27" | 1.32" | 95° | 46° | 570.2 | 390.0 | * Strong E. wind |
| 10-27 | 9:30 A.M. | 4.05" | 1.05" | 0 | 1.05" | 94° | 47° | 860.5 | 290.3 | — |
| 11-3 | 2:30 P.M. | 3.83" | 0.83" | 0.03" | 0.86" | 84° | 38° | 110.8 | 240.3 | W. |
| 11-10 | 1:00 P.M. | 3.47" | 0.47" | 0.49" | 0.96" | 90° | 37° | 340.5 | 229.7 | W. |
| 11-17 | 9:00 A.M. | 3.00" | 0 | 0.54" | 0.54" | 65° | 29° | 690.3 | 349.8 | W. |
| 11-24 | 1:00 P.M. | 2.95" | -0.05" | 0.65" | 0.60" | 80° | 30° | 880.8 | 190.5 | — |
| 12-1 | Noon | 3.67" | 0.67" | 0.01" | 0.68" | 86° | 36° | 135.6 | 244.8 | W. |
| 12-8 | 1:00 P.M. | 3.78" | 0.78" | 0 | 0.78" | 72° | 32° | 498.5 | 362.9 | W. |
| 12-15 | 9:00 A.M. | 3.95" | 0.95" | 0 | 0.95" | 80° | 27° | 882.2 | 383.7 | W. |
| 12-22 | 2:00 P.M. | 3.59" | 0.57" | 0.02" | 0.59" | 75° | 36° | 085.2 | 193.0 | W. |
| 12-29 | 9:30 A.M. | 2.05" | -0.95" | 1.07" | 0.12" | 68° | 38° | 330.0 | 244.8 | — |

| 1965: | | EVAP. PAN | | | TOTAL | AIR TEMP. | | WIND | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE: | TIME: | HOOK GAUGE | DIFF. | RAIN: | EVAP. | MAX. | MIN. | METER READING | DIFF. | DIR. |
| 1-4 | 12:30 P.M. | 3.51" | 0.51" | 0.01" | 0.52" | 62° | 26° | 491.1 | 161.1 | — |
| | | | | PERIOD | 7/14/64 TO | 1/4/65 | MAILED TO STATE O.W.R. 1-8-65. | | | |
| 1-12 | 9:00 A.M. | 3.70" | 0.70" | 0.18" | 0.38" | 72° | 27° | 686.3 | 195.2 | — |
| 1-19 | 9:25 A.M. | 5.73" | 2.73" | 0 | 2.73" (1) | 83° | 36° | 990.7* | 304.4 | W. |
| 1-26 | 10:00 A.M. | 3.16" | 0.16" | 0.35" | 0.51" | 75° | 30° | 250.1 | 249.4 | — |
| 2-2 | 8:00 A.M. | 3.70" | 0.70" | 0 | 0.70" | 78° | 31° | 736.4 | 486.3 | — |
| 2-9 | 1:00 P.M. | 3.65" | 0.65" | 0 | 0.65" | 82° | 32° | 146.0 | 399.6 | W. |
| 2-16 | 9:00 A.M. | 3.81" | 0.81" | 0.02" | 0.83" | 71° | 26° | 958.7 | 812.7 | W. |
| 2-23 | 1:00 P.M. | 3.95" | 0.95" | Tr. | 0.95" | 84° | 26° | 244.8 | 276.1 | N/E. |
| 3-2 | 1:00 P.M. | 4.14" | 1.14" | 0.01" | 1.15" | 80° | 28° | 568.3 | 323.5 | N/E. |
| 3-9 | 11:00 A.M. | 4.10" | 1.10" | 0.03" | 1.13" | 76° | 28° | 858.0 | 289.7 | W. |
| 3-16 | 10:00 A.M. | 2.50" | −0.50" | 1.20" | 0.70" | 68° | 39° | 080.3 | 212.3 | W. |
| 3-23 | 10:00 A.M. | 4.15" | 1.15" | 0.01" | 1.16" | 82° | 40° | 367.6 | 287.3 | W. |
| 3-30 | 1:00 P.M. | 3.84" | 0.84" | 0.17" | 1.01" | 73° | 36° | 712.0 | 344.4 | W. |
| 4-6 | 9:00 A.M. | 1.15" | −1.85" | 2.48" | 0.63" | 74° | 37° | 073.1 | 351.1 | W. |
| 4-13 | 2:00 P.M. | 1.84" | −1.16" | 2.22" | 1.06" | 67° | 38° | 547.5 | 474.4 | W. |
| 4-20 | 1:30 P.M. | 4.64" | 1.64" | 0 | 1.64" | 88° | 38° | 814.4 | 266.9 | W. |
| 4-27 | 2:30 P.M. | 4.42" | 1.42" | 0 | 1.42" | 88° | 42° | 100.9 | 276.5 | W. |

(1) SANTA ANA WINDS JAN. 16, 17, 18.

* SHOULD BE 000.7 (ONLY GOES TO 990.0 AND STARTS OVER)

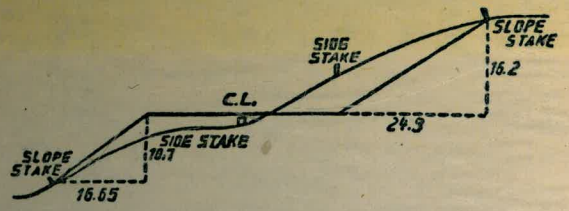
| 1965 | | Evap. Pan. | | | Total | Air Temp. | | Wind Gauge: | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date: | Time: | Hook Gauge: | Diff. | Rain. | Evap. | Max. | Min. | Read: | Diff. | Dir. |
| 5-4 | 2:30 P. | 5.22" | 2.22" | 0 | 2.22" | 96° | 44° | 555.8 | 454.9 | W. |
| 5-11 | 9:00 A. | 4.64" | 1.64" | 0 | 1.64" | 78° | 36° | 910.2 | 354.4 | None. |
| 5-18 | 9:00 A. | 4.75" | 1.75" | 0 | 1.75" | 84° | 48° | 235.6 | 315.4 | W. |
| 5-25 | 1:00 P. | 4.88" | 1.88" | .07" | 1.95" | 78° | 42° | 646.4 | 410.8 | W. |
| 6-1 | 9:00 A. | 4.53" | 1.53" | .02" | 1.55" | 90° | 44° | 990.0* | 343.6 | None |
| 6-8 | 1:30 P. | 4.51" | 1.51" | 0 | 1.51" | 80° | 43° | 370.2 | 370.2 | W. |
| 6-15 | 10.00 A. | 4.83" | 1.83" | 0 | 1.83" | 80° | 50° | 773.5 | 403.3 | W. |
| 6-22 | 9:30 A. | 4.58" | 1.58" | 0 | 1.58" | 80° | 48° | 219.2 | 435.7 | W. |
| 6-29 | 9:30 A. | 4.28" | 1.28" | .03" | 1.31" | 84° | 44° | 560.1 | 340.9 | W. |
| | | Period 1/12/65 to 6/29/65 Mailed to State D.W.R. on July 6, 1965 JL | | | | | | | | |
| 7-6 | 1 P.M. | 5.38" | 2.38" | 0 | 2.38" | 94° | 50° | 938.7 | 378.6 | W. |
| 7-13 | 1 P.M. | 4.96" | 1.96" | 0 | 1.96" | 86° | 52° | 359.5 | 410.8 | W. |
| 7-20 | 1:30 P.M. | 5.00" | 2.00" | 0 | 2.00" | 86° | 54° | 696.7 | 337.2 | W. |
| 7-27 | 1 P.M. | 4.88" | 1.88" | 0 | 1.88" | 83° | 48° | 555 | 348.8 | W. |
| 8-3 | 10 A.M. | 4.44" | 1.44" | 0.45" | 1.89" | 92° | 52° | 450.0 | 394.5 | W. |
| 8-10 | 1 P.M. | 5.33" | 2.33" | 0 | 2.33" | 102° | 57° | 760.7 | 310.7 | W. |
| 8-17 | 11 A.M. | 5.28" | 2.28" | 0 | 2.28" | 100° | 61° | 90.4 | 319.7 | W. |
| 8-24 | 10 A.M. | 4.95" | 1.95" | 0 | 1.95" | 86° | 56° | 452.8 | 362.4 | W. |

* Start over point.

| 1965; | | EVAP. PAN: | | RAIN: | EVAP | AIR TEMP. | | WIND GAUGE: | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE: | TIME: | HOOK GAUGE: | DIFF: | INCHES: | TOTAL: | MAX. | MIN. | READ: | DIFF: | DIR. |
| 8-31 | 9 A.M. | 5.14" | 2.14" | 0 | 2.14" | 96° | 53° | 857.6 | 404.8 | NONE |
| 9-7 | 1 P.M. | 4.40" | 1.40" | 0.09" | 1.49" | 86° | 51° | 174.5 | 306.9 | W. |
| 9-14 | 1 P.M. | 4.66" | 1.66" | 0 | 1.66" | 90° | 43° | 456.7 | 282.2 | W. |
| 9-21 | 12:30 P.M. | 3.60" | 0.60" | 0.55" | 1.15" | 94° | 46° | 686.3 | 229.6 | E. |
| 9-28 | 9 A.M. | 4.38" | 1.38" | 0 | 1.38" | 92° | 46° | 956.3 | 270.0 | W. |
| 10-5 | 8 A.M. | 4.64" | 1.64" | 0 | 1.64" | 100° | 40° | 204.3 | 238.0 | W. |
| DISCONTINUE EVAP. PAN READINGS - PAN IS RUSTED OUT BEYOND REPAIR. E.E. CLAY. | | | | | | | | | | |
| 10-12 | 10 A.M. | | | 0 | | 85° | 48° | 407.1 | 197.8 | W. |
| 10-19 | 1:30 | | | 0 | | 88° | 38° | 675.6 | 273.5 | W. |
| 10-26 | 1 P.M. | | | 0 | | 98° | 42° | 100.4 | 414.8 | W. |
| 11-2 | 2 P.M. | | | 0 | | 77° | 40° | 262.2 | 161.8 | W. |
| 11-9 | 2 P.M. | | | 0 | | 88° | 39° | 442.5 | 180.3 | W. |
| 11-16 | 9:30 A.M. | | | 1.63" | | 74° | 34° | 600.0 | 157.5 | W. |
| 11-23 | 1 P.M. | | | 5.90" | | 72° | 47° | 810.4 | 210.4 | W. |
| 11-30 | 10 A.M. | | | 0.74" | | 76° | 34° | 27.6 | 207.2 | NONE. |
| 12-7 | 10 A.M. | | | 0 | | 86° | 32° | 159.0 | 131.4 | W. |
| 12-14 | 10 A.M. | | | 3.23" | | 78° | 41° | 308.7 | 149.7 | W. |

1965-1966

| DATE | TIME. | RAIN INCH: | AIR TEMP. MAX. | AIR TEMP. MIN. | WIND GAUGE: READING | WIND GAUGE: DIFF. | DIRECTION OF WIND. |
|---|---|---|---|---|---|---|---|
| 12-21-65 | 10 A.M. | 0.84" | 74° | 29° | 576.2 | 267.5 | NONE |
| 12-28-65 | 10 A.M. | 0.42" | 68° | 29° | 745.1 | 168.9 | W. |
| 12-31-65 | STA. DISCONTINUED. | | | | | | |




## DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

### SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 0.15 | 0.30 | 0.45 | 0.60 | 0.75 | 0.90 | 1.05 | 1.20 | 1.35 | 0 |
| 1 | 1.50 | 1.65 | 1.80 | 1.95 | 2.10 | 2.25 | 2.40 | 2.55 | 2.70 | 2.85 | 1 |
| 2 | 3.00 | 3.15 | 3.30 | 3.45 | 3.60 | 3.75 | 3.90 | 4.05 | 4.20 | 4.35 | 2 |
| 3 | 4.50 | 4.65 | 4.80 | 4.95 | 5.10 | 5.25 | 5.40 | 5.55 | 5.70 | 5.85 | 3 |
| 4 | 6.00 | 6.15 | 6.30 | 6.45 | 6.60 | 6.75 | 6.90 | 7.05 | 7.20 | 7.35 | 4 |
| 5 | 7.50 | 7.65 | 7.80 | 7.95 | 8.10 | 8.25 | 8.40 | 8.55 | 8.70 | 8.85 | 5 |
| 6 | 9.00 | 9.15 | 9.30 | 9.45 | 9.60 | 9.75 | 9.90 | 10.05 | 10.20 | 10.35 | 6 |
| 7 | 10.50 | 10.65 | 10.80 | 10.95 | 11.10 | 11.25 | 11.40 | 11.55 | 11.70 | 11.85 | 7 |
| 8 | 12.00 | 12.15 | 12.30 | 12.45 | 12.60 | 12.75 | 12.90 | 13.05 | 13.20 | 13.35 | 8 |
| 9 | 13.50 | 13.65 | 13.80 | 13.95 | 14.10 | 14.25 | 14.40 | 14.55 | 14.70 | 14.85 | 9 |
| 10 | 15.00 | 15.15 | 15.30 | 15.45 | 15.60 | 15.75 | 15.90 | 16.05 | 16.20 | 16.35 | 10 |
| 11 | 16.50 | 16.65 | 16.80 | 16.95 | 17.10 | 17.25 | 17.40 | 17.55 | 17.70 | 17.85 | 11 |
| 12 | 18.00 | 18.15 | 18.30 | 18.45 | 18.60 | 18.75 | 18.90 | 19.05 | 19.20 | 19.35 | 12 |
| 13 | 19.50 | 19.65 | 19.80 | 19.95 | 20.10 | 20.25 | 20.40 | 20.55 | 20.70 | 20.85 | 13 |
| 14 | 21.00 | 21.15 | 21.30 | 21.45 | 21.60 | 21.75 | 21.90 | 22.05 | 22.20 | 22.35 | 14 |
| 15 | 22.50 | 22.65 | 22.80 | 22.95 | 23.10 | 23.25 | 23.40 | 23.55 | 23.70 | 23.85 | 15 |
| 16 | 24.00 | 24.15 | 24.30 | 24.45 | 24.60 | 24.75 | 24.90 | 25.05 | 25.20 | 25.35 | 16 |
| 17 | 25.50 | 25.65 | 25.80 | 25.95 | 26.10 | 26.25 | 26.40 | 26.55 | 26.70 | 26.85 | 17 |
| 18 | 27.00 | 27.15 | 27.30 | 27.45 | 27.60 | 27.75 | 27.90 | 28.05 | 28.20 | 28.35 | 18 |
| 19 | 28.50 | 28.65 | 28.80 | 28.95 | 29.10 | 29.25 | 29.40 | 29.55 | 29.70 | 29.85 | 19 |
| 20 | 30.00 | 30.15 | 30.30 | 30.45 | 30.60 | 30.75 | 30.90 | 31.05 | 31.20 | 31.35 | 20 |
| 21 | 31.50 | 31.65 | 31.80 | 31.95 | 32.10 | 32.25 | 32.40 | 32.55 | 32.70 | 32.85 | 21 |
| 22 | 33.00 | 33.15 | 33.30 | 33.45 | 33.60 | 33.75 | 33.90 | 34.05 | 34.20 | 34.35 | 22 |
| 23 | 34.50 | 34.65 | 34.80 | 34.95 | 35.10 | 35.25 | 35.40 | 35.55 | 35.70 | 35.85 | 23 |
| 24 | 36.00 | 36.15 | 36.30 | 36.45 | 36.60 | 36.75 | 36.90 | 37.05 | 37.20 | 37.35 | 24 |
| 25 | 37.50 | 37.65 | 37.80 | 37.95 | 38.10 | 38.25 | 38.40 | 38.55 | 38.70 | 38.85 | 25 |
| 26 | 39.00 | 39.15 | 39.30 | 39.45 | 39.60 | 39.75 | 39.90 | 40.05 | 40.20 | 40.35 | 26 |
| 27 | 40.50 | 40.65 | 40.80 | 40.95 | 41.10 | 41.25 | 41.40 | 41.55 | 41.70 | 41.85 | 27 |
| 28 | 42.00 | 42.15 | 42.30 | 42.45 | 42.60 | 42.75 | 42.90 | 43.05 | 43.20 | 43.35 | 28 |
| 29 | 43.50 | 43.65 | 43.80 | 43.95 | 44.10 | 44.25 | 44.40 | 44.55 | 44.70 | 44.85 | 29 |
| 30 | 45.00 | 45.15 | 45.30 | 45.45 | 45.60 | 45.75 | 45.90 | 46.05 | 46.20 | 46.35 | 30 |
| 31 | 46.50 | 46.65 | 46.80 | 46.95 | 47.10 | 47.25 | 47.40 | 47.55 | 47.70 | 47.85 | 31 |
| 32 | 48.00 | 48.15 | 48.30 | 48.45 | 48.60 | 48.75 | 48.90 | 49.05 | 49.20 | 49.35 | 32 |
| 33 | 49.50 | 49.65 | 49.80 | 49.95 | 50.10 | 50.25 | 50.40 | 50.55 | 50.70 | 50.85 | 33 |
| 34 | 51.00 | 51.15 | 51.30 | 51.45 | 51.60 | 51.75 | 51.90 | 52.05 | 52.20 | 52.35 | 34 |
| 35 | 52.50 | 52.65 | 52.80 | 52.95 | 53.10 | 53.25 | 53.40 | 53.55 | 53.70 | 53.85 | 35 |
| 36 | 54.00 | 54.15 | 54.30 | 54.45 | 54.60 | 54.75 | 54.90 | 55.05 | 55.20 | 55.35 | 36 |
| 37 | 55.50 | 55.65 | 55.80 | 55.95 | 56.10 | 56.25 | 56.40 | 56.55 | 56.70 | 56.85 | 37 |
| 38 | 57.00 | 57.15 | 57.30 | 57.45 | 57.60 | 57.75 | 57.90 | 58.05 | 58.20 | 58.35 | 38 |
| 39 | 58.50 | 58.65 | 58.80 | 58.95 | 59.10 | 59.25 | 59.40 | 59.55 | 59.70 | 59.85 | 39 |
| 40 | 60.00 | 60.15 | 60.30 | 60.45 | 60.60 | 60.75 | 60.90 | 61.05 | 61.20 | 61.35 | 40 |
| 41 | 61.50 | 61.65 | 61.80 | 61.95 | 62.10 | 62.25 | 62.40 | 62.55 | 62.70 | 62.85 | 41 |
| 42 | 63.00 | 63.15 | 63.30 | 63.45 | 63.60 | 63.75 | 63.90 | 64.05 | 64.20 | 64.35 | 42 |
| 43 | 64.50 | 64.65 | 64.80 | 64.95 | 65.10 | 65.25 | 65.40 | 65.55 | 65.70 | 65.85 | 43 |
| 44 | 66.00 | 66.15 | 66.30 | 66.45 | 66.60 | 66.75 | 66.90 | 67.05 | 67.20 | 67.35 | 44 |
| 45 | 67.50 | 67.65 | 67.80 | 67.95 | 68.10 | 68.25 | 68.40 | 68.55 | 68.70 | 68.85 | 45 |
| 46 | 69.00 | 69.15 | 69.30 | 69.45 | 69.60 | 69.75 | 69.90 | 70.05 | 70.20 | 70.35 | 46 |
| 47 | 70.50 | 70.65 | 70.80 | 70.95 | 71.10 | 71.20 | 71.40 | 71.55 | 71.70 | 71.85 | 47 |
| 48 | 72.00 | 72.15 | 72.30 | 72.45 | 72.60 | 72.75 | 72.90 | 73.05 | 73.20 | 73.35 | 48 |
| 49 | 73.50 | 73.65 | 73.80 | 73.95 | 74.10 | 74.25 | 74.40 | 74.55 | 74.70 | 74.85 | 49 |
| 50 | 75.00 | 75.15 | 75.30 | 75.45 | 75.60 | 75.75 | 75.90 | 76.05 | 76.20 | 76.35 | 50 |

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