9-275
January 1935

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Meas. 190

Date 2-6-41, 19__ **DISCHARGE MEASUREMENT NOTES**

Brazos River, at Richmond, Tex.

| Dist. from initial point | Angle coefficient | Depth | Depth of observation | Revolutions | Time in seconds | VELOCITY At point | VELOCITY Mean in vertical | VELOCITY Mean in section | Area | Mean depth | Width | Discharge |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 499 | | | | | | | 0 | -.57 | 18 | | | -10 |
| 490 | | | .6 | | | | -1.14 | -1.24 | 60 | | | -70 |
| 480 | | | .2 | | | | -1.33 | -.66 | 104 | | | -70 -150 |
| 470 | | | | | | | 0 | 1.54 | 270 | | | 420 |
| 455 | | | | | | | 3.07 | 3.34 | 490 | | | 1640 |
| 435 | | | | | | | 3.60 | 3.52 | 665 | | | 2340 |
| 410 | | | | | | | 3.43 | 3.62 | 570 | | | 2060 |
| 390 | | | | | | | 3.80 | 4.50 | 605 | | | 2720 |
| 370 | | | | | | | 5.19 | 5.65 | 611 | | | 3450 |
| 350 | | | | | | | 6.11 | 6.02 | 609 | | | 3660 |
| 330 | | | | | | | 5.94 | 5.97 | 624 | | | 3720 |
| 310 | | | | | | | 6.00 | 6.08 | 627 | | | 3810 |
| 290 | | | | | | | 6.17 | 6.44 | 617 | | | 3980 |
| 270 | | | | | | | 6.70 | 6.90 | 624 | | | 4310 |
| 250 | | | | | | | 7.10 | 7.10 | 647 | | | 4590 |
| 230 | | | | | | | 7.10 | 6.82 | 660 | | | 4510 |
| 210 | | | | | | | 6.54 | 6.94 | 672 | | | 4660 |
| 190 | | | | | | | 7.34 | 6.94 | 678 | | | 4700 |
| 170 | | | | | | | 6.54 | 6.24 | 682 | | | 4250 |
| 150 | | | | | | | 5.94 | 5.74 | 690 | | | 3960 |
| 130 | | | | | | | 5.54 | 5.59 | 661 | | | 3700 |
| 110 | | | | | | | 5.64 | 5.59 | 563 | | | 3150 |
| 90 | | | | | | | 5.54 | 4.37 | 384 | | | 1670 |
| 70 | | | | | | | 3.12 | 1.56 | 119 | | | 190 |
| 53 | | | .2 | | | | .0 | | ~~11980~~ 12,250 | | | 67340 |

No. 1 of 1 Sheets. Comp. by WHG Chk. by