



DISTRITO DE RIEGO DEL RÍO YAQUI

INFORME HIDROMÉTRICO Y CLIMATOLÓGICO
SISTEMA DE PRESAS

20-sep-17

| PRESA | % | Elevación | Almacenam. | Aport. | Extracción | Vertedor | Lluvia |
|---------------------------------|-------------|-----------|-----------------|-------------------|-------------------|-------------------|--------------|
| | Almac. | M.S.N.M. | hm ³ | m ³ /s | m ³ /s | m ³ /s | mm |
| Lázaro Cárdenas (Angostura) | 93.1 | 830.86 | 709.5 | 4.10 | 4.000 | 2.046 | 0.00 |
| Plutarco Elías Calles (Novillo) | 79.1 | 285.97 | 2,387.8 | 43.10 | 156.590 | 0.000 | 58.00 |
| Alvaro Obregón (Oviáchic) | 67.1 | 100.41 | 2,164.5 | 0.00 | 17.033 | 0.000 | 0.00 |
| Totales: | 75.1 | | 5,261.8 | 47.20 | 177.62 | | 58.00 |

| | | | | | | |
|---------------------------------|--------|--------|------|--------|------|------|
| Adolfo Ruiz Cortínez (Mocúzari) | 128.81 | 594.01 | 3.30 | 15.500 | 0.00 | 0.00 |
|---------------------------------|--------|--------|------|--------|------|------|

Canales Principales (m³/s)

| | |
|------------------------------|--------------|
| Toma Alta | 6.54 |
| Toma Baja | 10.50 |
| Vertedor Oviáchic | 0.00 |
| TOTAL PRESA | 17.03 |
| Colonias Yaquis | 0.00 |
| Desfogue Hornos + A14 | 0.00 |
| TOTAL | 17.03 |
| Km. 14+749 (Canal Alto) | 5.09 |
| Hornos (Canal Bajo) | 10.20 |
| DERIVADO GRAVEDAD | 15.28 |
| Pozos Red Mayor (Canal Alto) | 0.81 |
| Pozos Red Mayor (Canal Bajo) | 3.33 |
| TOTAL DERIVADO | 19.42 |

Modulo de riego (m³/seg)

| UNIDAD | Gravedad | Pozos | TOTAL |
|--------------|--------------|-------------|--------------|
| Canal Alto | 3.75 | 1.74 | 5.48 |
| Canal Bajo | 10.34 | 3.72 | 14.05 |
| TOTAL | 14.09 | 5.45 | 19.54 |

| Vaso Km. 14 (79.10) | Escala (m) | Almacenam. (millares m ³) | Vertedor= 79.10 Alma= 37,580.00 |
|-----------------------|--------------|---------------------------------------|---------------------------------|
| NIVEL DEL PISO | 74.51 | 13,578.80 | |
| AMANECIDO | 78.21 | 31,201.50 | |

| Estación Climatológica | Precipitaciones (mm.) | | | Temperaturas (° C) | | |
|------------------------------|-----------------------|-----------|-------------|--------------------|--------|--------|
| | Diaria | Acum. Mes | Acum. Ciclo | Ambiente | Máxima | Mínima |
| CUENCA RIO YAQUI | | | | | | |
| Mesa Tres Ríos | 0.0 | 0.0 | 0.0 | | | |
| Huachinera | 0.0 | 0.0 | 0.0 | | | |
| Bacerac | 0.0 | 0.0 | 0.0 | | | |
| Aqua Prieta | 0.0 | 0.0 | 0.0 | | | |
| Angostura | 0.0 | 8.0 | 189.4 | 22.5 | 35.0 | 22.5 |
| Aribabi | 0.0 | 0.0 | 0.0 | | | |
| Bacadehuachi | 0.0 | 0.0 | 0.0 | | | |
| Nacozari | 0.0 | 0.0 | 0.0 | | | |
| Tepache | 0.0 | 0.0 | 0.0 | | | |
| Abraham González | 0.0 | 0.0 | 0.0 | | | |
| Yécora | 0.0 | 0.0 | 0.0 | | | |
| Novillo | 58.0 | 60.0 | 590.7 | 24.0 | 38.0 | 22.0 |
| Novillo II | 0.0 | 0.0 | 0.0 | | | |
| Yepachic | 0.0 | 0.0 | 0.0 | | | |
| Oviáchic | 0.0 | 28.5 | 300.4 | 26.0 | 40.0 | 26.0 |
| A.R. Cortines | 0.0 | 83.8 | 405.1 | 24.5 | 35.0 | 24.0 |
| CANAL ALTO | | | | | | |
| Km. 14+749 | 0.0 | 36.5 | 245.0 | 26.0 | 39.0 | 25.0 |
| Km. 25+927 | 0.0 | 60.0 | 303.0 | 28.0 | 40.0 | 25.0 |
| Km. 47+520 | 0.0 | 82.5 | 491.5 | 28.0 | 41.0 | 25.0 |
| Km. 58+510 | 0.0 | 44.0 | 515.5 | | | |
| Km. 68+678 | 0.0 | 30.5 | 250.5 | 27.0 | 37.0 | 26.0 |
| Km 73+950 | 0.0 | 30.0 | 228.5 | | | |
| Km. 91+060 | 0.0 | 86.0 | 297.0 | 27.0 | 37.0 | 26.0 |
| Km. 101+125 | 0.0 | 59.5 | 263.5 | 24.0 | 37.0 | 23.0 |
| Km. 105+000 | 0.0 | 66.0 | 297.0 | 26.0 | 35.0 | 24.0 |
| CANAL BAJO | | | | | | |
| Km. 0+000 Hornos | 0.0 | 56.5 | 258.2 | 26.5 | 39.0 | 24.0 |
| Km. 13+600 P. Díaz | 0.0 | 70.0 | 188.0 | 28.0 | 41.0 | 26.0 |
| Km. 33+100 Náinari | 0.0 | 108.5 | 275.0 | | | |
| Est. Cd. Obregón | 0.0 | 114.8 | 372.0 | 27.0 | 39.5 | 25.0 |
| Km. 38+700 C-200 | 0.0 | 99.5 | 295.0 | 27.0 | 40.0 | 25.0 |
| Km. 48+800 C-600 | 0.0 | 70.0 | 272.5 | 26.0 | 39.0 | 25.0 |
| Km. 62+800 C-1200 | 0.0 | 92.5 | 265.8 | 26.0 | 40.0 | 25.0 |
| Km. 92+600 Villa Juárez | 0.0 | 20.0 | 103.5 | 26.0 | 37.0 | 24.0 |
| CANAL 4 PROLONGACION | | | | | | |
| Km. 12+229 - 4-P-6 | 0.0 | 177.0 | 374.5 | 26.0 | 36.0 | 24.0 |
| Km. 25+920 - 4-P-12 | 0.0 | 112.0 | 246.8 | 24.0 | 35.0 | 23.0 |
| CANAL COLONIAS YAQUIS | | | | | | |
| Chiculi | 0.0 | 40.0 | 293.8 | 27.0 | 40.5 | 25.0 |
| Km. 23- Loma de Guamúchil | 0.0 | 66.0 | 224.0 | 29.5 | 38.5 | 26.0 |
| Vícam | 0.0 | 145.9 | 361.2 | 26.0 | 37.5 | 24.0 |
| Km. 73 - Pótam | 0.0 | 123.0 | 240.5 | 28.0 | 39.0 | 26.0 |

INFORMACION ADICIONAL

| Estación Climatológica | Precipitaciones (mm.) | | | Temperaturas (° C) | | |
|------------------------|-----------------------|-----------|-------------|--------------------|--------|--------|
| | Diaria | Acum. Mes | Acum. Ciclo | Ambiente | Máxima | Mínima |
| Estacion UCCM | 0.0 | 65.2 | 167.6 | | 36.2 | 26.8 |
| Est_P1610-31 | 0.0 | 44.1 | 70.8 | 25.5 | 36.5 | 24.7 |
| Est_CasK91 | 0.0 | 64.2 | 186.5 | 26.1 | 35.5 | 24.4 |
| Est_P1936-27 | 0.0 | 51.1 | 165.7 | 26.1 | 35.4 | 24.1 |
| Est_Car7+600 | 0.0 | 86.3 | 128.0 | 25.6 | 36.5 | 24.8 |
| Est_UCCM | 0.2 | 60.1 | 177.5 | 28.5 | 37.8 | 26.6 |
| Est_P13+600 | 0.0 | 62.1 | 158.5 | | | |