

**INFORMACION HIDROMÉTRICA, CLIMATOLÓGICA Y DE PRESAS DE LA REGION**

| PRESA              | CAP. N A M E (hm <sup>2</sup> ) | CAP. N A M O (hm <sup>2</sup> ) | VOL. MUERTO (hm <sup>3</sup> ) | ALMAC. 2014 (hm <sup>3</sup> ) | ALMAC. AYER (hm <sup>3</sup> ) | ALMAC. HOY (hm <sup>3</sup> ) | DIFERENCIA EN 24 hr (hm <sup>3</sup> ) | ENTRADAS CUENCA PROPIA(Qm) (m <sup>3</sup> /s) | SALIDAS                       |             | % 2015       | % 2014      | DIF. ALM. 2015-14 | LLUVIA (mm) | ENTRADAS (hm <sup>3</sup> ) |
|--------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|--|--|-------------------------------|-------------|--------------|-------------|-------------------|-------------|-----------------------------|
|                    |                                 |                                 |                                |                                |                                |                               |  |  | O.T. (Qm) (m <sup>3</sup> /s) | VERTEDOR    |              |             |                   |             |                             |
| LAZARO CARDENAS    | 1,116.5                         | 703.4                           | 0.0                            | 640.9                          | 722.2                          | <b>723.4</b>                  | 1.17                                   | 39.64  | 6.00                          | 18.07       | <b>102.8</b> | 91.1        | 82.4              | 4.6         | 3.42                        |
| P. ELIAS CALLES    | 3,443.5                         | 2,881.7                         | 602.6                          | 2,150.7                        | 2,158.8                        | <b>2,175.8</b>                | 17.05                                  | 267.66   | 66.18                         | 0.0         | <b>75.5</b>  | 74.6        | 25.1              | 1.0         | 23.13                       |
| ALVARO OBREGON     | 4,409.4                         | 3,023.1                         | 55.0                           | 1,609.4                        | 2,443.2                        | <b>2,444.8</b>                | 1.65                                   | 50.24  | 55.76                         | 0.0         | <b>80.9</b>  | 53.2        | 835.5             | 0.0         | 4.34                        |
| ABRAHAM GONZALEZ   | 109.6                           | 85.4                            | 1.6                            | 78.3                           | 86.4                           | <b>86.4</b>                   | -0.06                                  | 11.32  | 0.00                          | 11.8        | <b>101.1</b> | 91.6        | 8.1               | 0.0         | 0.98                        |
| A.RUIZ CORTINES    | 1,822.6                         | 950.3                           | 24.8                           | 625.4                          | 667.2                          | <b>675.3</b>                  | 8.06                                   | 97.39  | 0.00                          | 0.0         | <b>71.1</b>  | 65.8        | 49.9              | 4.3         | 8.41                        |
| EL MOLINITO        | 233.9                           | 130.2                           | 0.5                            | 14.9                           | 34.3                           | <b>34.6</b>                   | 0.32                                   | 4.20   | 0.00                          | 0.0         | <b>26.6</b>  | 11.4        | 19.7              | 10.5        | 0.36                        |
| A. RODRIGUEZ L.    | 284.5                           | 219.5                           | 0.0                            | 1.4                            | 14.050                         | <b>13.772</b>                 | -0.28                                  | 0.00   | 0.00                          | 0.0         | <b>6.3</b>   | 0.6         | 12.390            | 0.6         | 0.00                        |
| CUAUHTEMOC         | 66.3                            | 41.5                            | 1.5                            | 4.6                            | 16.4                           | <b>16.3</b>                   | -0.07                                  | 0.00   | 0.30                          | 0.0         | <b>39.4</b>  | 11.2        | 11.7              | 0.0         | 0.00                        |
| I. R. ALATORRE     | 29.7                            | 16.2                            | 1.0                            | 12.5                           | 4.6                            | <b>4.9</b>                    | 0.35                                   | 4.16   | 0.00                          | 0.0         | <b>30.6</b>  | 77.2        | -7.5              | 2.0         | 0.36                        |
| <b>T O T A L</b>   | <b>11,515.9</b>                 | <b>8,051.3</b>                  | <b>687.1</b>                   | <b>5,138.1</b>                 | <b>6,147.2</b>                 | <b>6,175.4</b>                | <b>28.2</b>                            | <b>474.6</b>                                   | <b>128.2</b>                  | <b>29.8</b> | <b>76.7</b>  | <b>63.8</b> | 1,037.3           |             | 41.01                       |
| SUBTOTAL RÍO YAQUI | <b>8,969.4</b>                  | <b>6,608.2</b>                  | <b>657.6</b>                   | <b>4,401.0</b>                 | <b>5,324.2</b>                 | <b>5,344.1</b>                | <b>19.9</b>                            | <b>357.5</b>                                   | <b>127.9</b>                  | <b>18.1</b> | <b>80.9</b>  | <b>66.6</b> | 943.1             |             | <b>30.9</b>                 |

| PRESA           | ALM. AGUJAS (hm <sup>3</sup> ) |
|-----------------|--------------------------------|
| LAZARO CARDENAS | 761.7                          |
| ALVARO OBREGON  | 3,226.7                        |

| PRESA                | ALM. VERT. LIBRE |
|----------------------|------------------|
| ADOLFO RUIZ CORTINES | 1345.20          |

Qm = GASTO MEDIO

**H I D R O M E T R I A**

| CUENCA   | ESTACION     | ESCALA (m) | GASTO (m <sup>3</sup> /s) | CUENCA           | ESTACION         | ESCALA (m)   | GASTO (m <sup>3</sup> /s) |
|----------|--------------|------------|---------------------------|------------------|------------------|--------------|---------------------------|
| SONOYTA  | SONOYTA II   | 386.00     | 0.00                      | MATAPE           | PUNTA DE AGUA II | 0.83         | 0.64                      |
| ASUNCION | PITIQUITO II | 286.10     | 0.00                      | COCORAQUE        | COCORAQUE        | 0.99         | 0.00                      |
|          | STA. ROSA II | 529.30     | 0.00                      |                  | YAQUI            | GUÁPOCA- CFE | 2.34                      |
| SONORA   | OREGANO II   | 5.08       | 0.35                      | PASO NACORI- CFE |                  | 1.98         | 232.85                    |
|          | EL CAJON     | 1.67       | 0.28                      | EL CUBIL- CFE    |                  | 2.56         | 309.58                    |
|          | ARIZPE-CEA   | -          | -                         | MAYO             | SAN BERNARDO     | 156.40       | 101.96                    |
|          |              |            |                           |                  | TEZOCOMA         | 10.00        | 0.00                      |

**CLIMATOLOGÍA**

| CUENCA     | ESTACION       | PRECIP. (mm) | TEMPERATURA °C |      |      | EVAP. (mm) | CUENCA         | ESTACION     | PRECIP. (mm) | TEMPERATURA °C |      |       | EVAP. (mm) |
|------------|----------------|--------------|----------------|------|------|------------|----------------|--------------|--------------|----------------|------|-------|------------|
|            |                |              | AMB.           | MAX. | MIN. |            |                |              |              | AMB.           | MAX. | MIN.  |            |
| SONOYTA    | SONOYTA        | 0.0          | 25.0           | 40.0 | 24.0 | 11.72      | COCORAQUE      | COCORAQUE    | 33.4         | 23.0           | 39.5 | 21.5  | 8.56       |
|            | PTO. PEÑASCO   | 0.0          | 29.5           | 35.5 | 27.0 | 11.00      |                | GUÁPOCA- CFE | 8.7          | 17.4           | 31.9 | 17.3  | 3.87       |
| SANTA CRUZ | NOGALES        | 0.0          | 22.7           | 32.4 | 22.3 | -          | P. NACORI- CFE | 2.4          | 21.7         | 37.2           | 21.7 | 5.26  |            |
| ASUNCION   | ALTAR          | 0.0          | 29.0           | 40.6 | 28.5 | 9.10       | EL CUBIL- CFE  | 10.8         | 21.7         | 39.7           | 21.7 | 6.93  |            |
|            | PITIQUITO      | 0.0          | 24.0           | 40.0 | 22.0 | -          | ABRAHAM GLEZ   | 0.0          | 13.0         | 27.0           | 13.0 | 4.95  |            |
|            | IMURIS         | INAP.        | 24.0           | 38.0 | 18.0 | 6.86       | AGUA PRIETA    | -            | -            | -              | -    | -     |            |
|            | CUAUHTEMOC     | 0.0          | 30.0           | 40.5 | 23.0 | -          | ANGOSTURA      | 4.6          | 20.0         | 29.5           | 20.0 | 6.00  |            |
|            | STA. ROSA II   | INAP.        | 29.0           | 39.0 | 28.0 | -          | ARIBABI        | 9.1          | 17.0         | 28.0           | 13.0 | -     |            |
| SONORA     | ACONCHI        | 2.0          | 21.0           | 32.0 | 21.0 | -          | BACERAC        | 0.0          | 19.0         | 35.0           | 18.0 | -     |            |
|            | ARIZPE-CEA     | 3.0          | 18.0           | 30.0 | 16.0 | -          | HUACHINERAS    | -            | -            | -              | -    | -     |            |
|            | BACAMUCHI      | 1.0          | 21.0           | 31.5 | 18.5 | 5.40       | TEPACHE        | 2.2          | 23.0         | 35.0           | 23.0 | -     |            |
|            | BANAMICHI      | INAP.        | 22.0           | 34.0 | 20.0 | -          | P. EL NOVILLO  | 1.0          | 25.5         | 37.5           | 25.0 | 5.93  |            |
|            | RAYON          | -            | -              | -    | -    | -          | NACAZARI       | 2.3          | 19.0         | 32.0           | 15.0 | 6.69  |            |
|            | EL CAJON       | 1.5          | 23.0           | 38.0 | 22.5 | 8.36       | OVIACHIC       | INAP.        | 26.0         | 40.5           | 24.0 | 5.75  |            |
|            | HILLO. NTE.    | 0.0          | 26.5           | 39.5 | 25.0 | -          | CD. OBREGON    | 10.0         | 28.0         | 41.0           | 23.0 | 10.77 |            |
|            | HILLO. OBS.    | 0.6          | 27.5           | 40.5 | 26.5 | 6.64       | YECORA         | 52.5         | 17.5         | 30.0           | 16.5 | -     |            |
|            | OREGANO II     | 2.1          | 26.0           | 42.0 | 23.0 | 4.70       | YEPACHIC       | -            | -            | -              | -    | -     |            |
|            | EL MOLINITO    | 10.5         | 24.5           | 40.0 | 22.5 | 7.90       | TEMOSACHIC     | 11.9         | 13.2         | 28.2           | 13.2 | 5.26  |            |
| QUEROBABI  | 1.0            | 23.0         | 39.0           | 20.0 | -    | VICAM      | 1.0            | 29.0         | 38.0         | 25.0           | 5.93 |       |            |
| MATAPE     | MAZATAN        | -            | -              | -    | -    | -          | OBS. OBREGÓN   | 0.6          | 28.0         | 39.8           | 24.0 | 8.03  |            |
|            | P. PTA. AGUA   | 2.0          | 24.5           | 34.5 | 22.5 | 6.20       | BASASEACHIC    | 45.0         | 11.3         | 26.1           | 11.3 | -     |            |
|            | PTA. AGUA II   | 3.5          | 23.0           | 35.0 | 23.0 | 4.70       | A.R. CORTINES  | 4.3          | 24.5         | 36.0           | 23.5 | 8.70  |            |
|            | EMPALME        | 0.0          | 31.0           | 37.1 | 28.5 | 8.69       | NAVOJOA        | 3.0          | 26.5         | 39.5           | 24.0 | 6.25  |            |
|            | S. J. DE PIMAS | 2.0          | 25.0           | 35.0 | 22.0 | -          | S. BERNARDO    | 1.7          | 25.0         | 36.5           | 21.5 | 2.92  |            |
| GUAYMAS    | 0.0            | 28.1         | 36.3           | 25.0 | -    | TEZOCOMA   | 3.0            | 23.0         | 33.0         | 22.0           | 4.90 |       |            |

| PRECIPITACIÓN MÁXIMA (mm) | 52.5 | YECORA      |     |     |     |     |
|---------------------------|------|-------------|-----|-----|-----|-----|
| PRECIPITACIÓN MEDIA       | 7.8  | 11.4        | 1.5 | 2.4 | 0.0 | 0.0 |
| TEMPERATURA MÍNIMA        | 11.3 | BASASEACHIC |     |     |     |     |
| TEMPERATURA MÁXIMA        | 42.0 | OREGANO II  |     |     |     |     |

| ESTACIONES DE APOYO |         |      |         |
|---------------------|---------|------|---------|
| ESTACION            | PRECIP. | EST. | PRECIP. |
| HERMOSILLO SUR      |         |      |         |
| CANANEA             | 0.3     |      |         |
| ALAMOS              | 14.1    |      |         |
| BASCONCOBE          |         |      |         |

| PRESA            | ELEVACION (m) |
|------------------|---------------|
| LAZARO CARDENAS  | 831.22        |
| P. ELIAS CALLES  | 283.62        |
| ALVARO OBREGON   | 102.18        |
| ABRAHAM GONZALEZ | 2047.95       |
| A.RUIZ CORTINES  | 130.40        |
| EL MOLINITO      | 282.42        |
| A. RODRIGUEZ L.  | 217.99        |
| CUAUHTEMOC       | 591.85        |
| I. R. ALATORRE   | 96.30         |