

AREA AVERAGE PRECIPITATION (mm), DRY SPELLS AND STANDARDIZED PRECIPITATION INDEX (SPI) PER HYDROLOGICAL REGION

MONTH: AUGUST 2023

Table 1

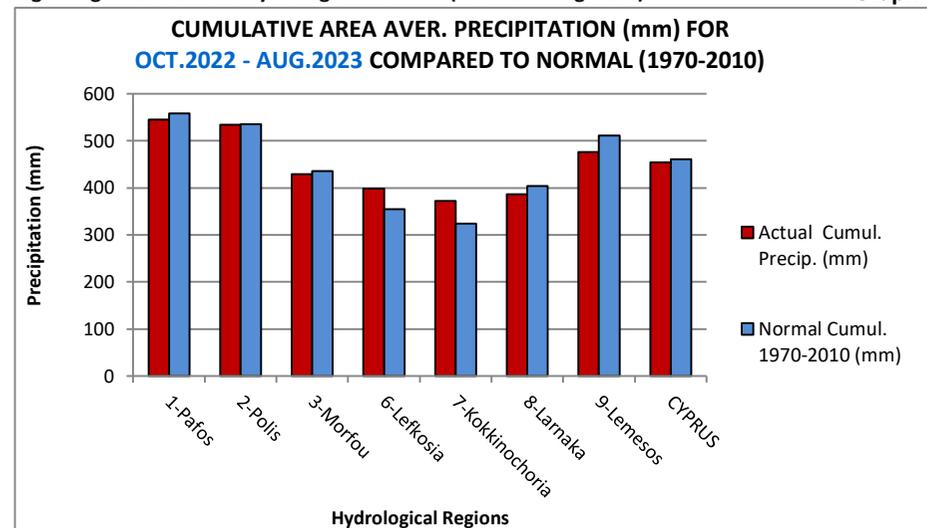
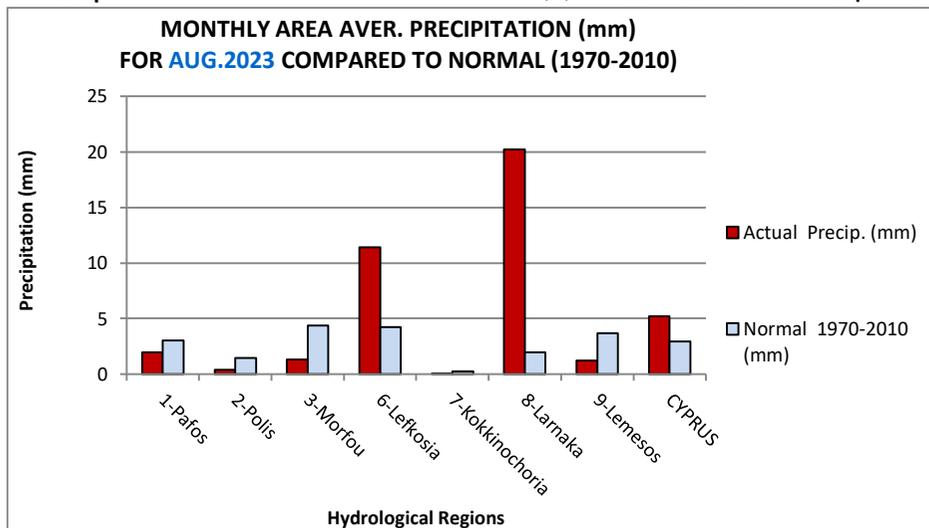
| Hydrological Region | PRECIPITATION (mm)         |                       |             |         |                            |                              |             |         | DRY SPELLS            | STANDARDIZED PRECIPITATION INDEX (SPI-n)  |       |       |       |       |        |        |        |        |        |
|---------------------|----------------------------|-----------------------|-------------|---------|----------------------------|------------------------------|-------------|---------|-----------------------|---|-------|-------|-------|-------|--------|--------|--------|--------|--------|
|                     | Monthly Area Aver. Precip. |                       |             |         | Cumul. Area Aver. Precip.  |                              |             |         |                       | Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm) | SPI-1 | SPI-3 | SPI-6 | SPI-9 | SPI-12 | SPI-24 | SPI-36 | SPI-48 | SPI-60 |
|                     | Actual Precip. (mm)        | Normal 1970-2010 (mm) | % of Normal | Deciles | Actual Cumul. Precip. (mm) | Normal Cumul. 1970-2010 (mm) | % of Normal | Deciles |                       |   |       |       |       |       |        |        |        |        |        |
| 1-Pafos             | 1.9                        | 3.0                   | 64%         | 6       | 545.0                      | 558.2                        | 98%         | 5       | 094-Asprokremmos      | 31  | 0.17  | -0.56 | 0.21  | -0.89 | -0.12  | 0.21   | -0.54  | 0.11   | 1.38   |
| 2-Polis             | 0.4                        | 1.5                   | 27%         | 6       | 534.6                      | 534.9                        | 100%        | 5       | 063-Evretou           | 31  | 0.26  | -0.92 | 0.47  | -0.79 | -0.05  | 0.19   | -0.39  | 0.25   | 1.21   |
| 3-Morfou            | 1.3                        | 4.4                   | 30%         | 5       | 428.8                      | 435.8                        | 98%         | 4       | 370-Kapoura           | 31  | -0.08 | -0.03 | 0.35  | -0.44 | -0.02  | 0.09   | -0.47  | 0.31   | 1.76   |
| 6-Lefkosia          | 11.4                       | 4.2                   | 270%        | 9       | 398.9                      | 355.0                        | 112%        | 7       | 565-Politiko(Tamasos) | 31  | 1.14  | 0.63  | 1.52  | 0.21  | 0.53   | 0.87   | 0.12   | 0.50   | 1.68   |
| 7-Kokkinochoria     | 0.1                        | 0.3                   | 26%         | 8       | 372.0                      | 324.1                        | 115%        | 7       | 845-Frenaros          | 31  | 1.58  | 0.22  | -0.18 | 0.26  | 0.62   | 0.21   | -0.39  | 0.38   | 1.27   |
| 8-Larnaka           | 20.2                       | 2.0                   | 1034%       | 9       | 386.8                      | 404.4                        | 96%         | 4       | 592-Lefkara           | 27,3  | 2.95  | 1.35  | 0.81  | -0.51 | -0.09  | 0.31   | -0.58  | 0.16   | 1.50   |
| 9-Lemesos           | 1.2                        | 3.7                   | 34%         | 5       | 475.7                      | 511.7                        | 93%         | 4       | 313-Kouris            | 26,4  | -0.34 | -0.57 | -0.13 | -1.09 | -0.29  | 0.00   | -0.80  | 0.22   | 1.77   |
| CYPRUS              | 5.2                        | 2.9                   | 177%        | 9       | 454.3                      | 461.4                        | 98%         | 5       |                       |   | 0.84  | 0.15  | 0.43  | -0.69 | -0.04  | 0.23   | -0.55  | 0.25   | 1.69   |

Graph 1



Note: Actual Cumul. Precip.= From the beginning of the current Hydrological Year. => (Oct.2022-Aug.2023)

Graph 2



**Note 1 (SPI According to):** Desert Action, IES(Institute for Environment and Sustainability) and JRC (European Commission)

SPIs for short accumulation periods (e.g., SPI-1 to SPI-3 )are indicators for immediate impacts such as reduced soil moisture, snowpack, and flow in smaller creeks

SPIs for medium accumulation periods (e.g., SPI-3 to SPI-12 ) are indicators for reduced stream flow and reservoir storage

SPIs for long accumulation periods (e.g., SPI-12 to SPI-48 ) are indicators for reduced reservoir and groundwater recharge

**Note 2 (Deciles):**

1 = Very Much Below Average, Lowest on Record

4-7 = Average

10 = Highest on Record, Very Much Above Average

2-3 = Below Average

8-9 = Above Average

**SPI VALUES (According to WMO-No.1090)**

|               |                |
|---------------|----------------|
| 2.0 +         | extremely wet  |
| 1.5 to 1.99   | very wet       |
| 1.0 to 1.49   | moderately wet |
| -0.99 to 0.99 | near normal    |
| -1.0 to -1.49 | moderately dry |
| -1.5 to -1.99 | severely dry   |
| -2 and less   | extremely dry  |

**SPI VALUES (Karavokyris & Partners)**

|               |                  |
|---------------|------------------|
| 0 to -0.99    | Mild drought     |
| -1.0 to -1.49 | Moderate drought |
| -1.5 to -1.99 | Severe drought   |
| -2 and less   | Extreme drought  |