

DEPARTMENT OF METEOROLOGY

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

MONTH: JULY 2024

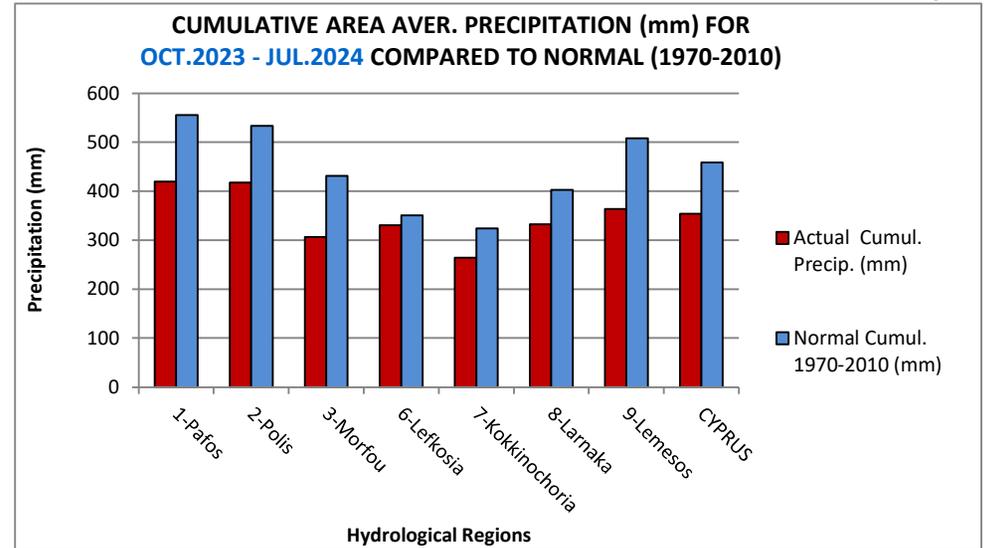
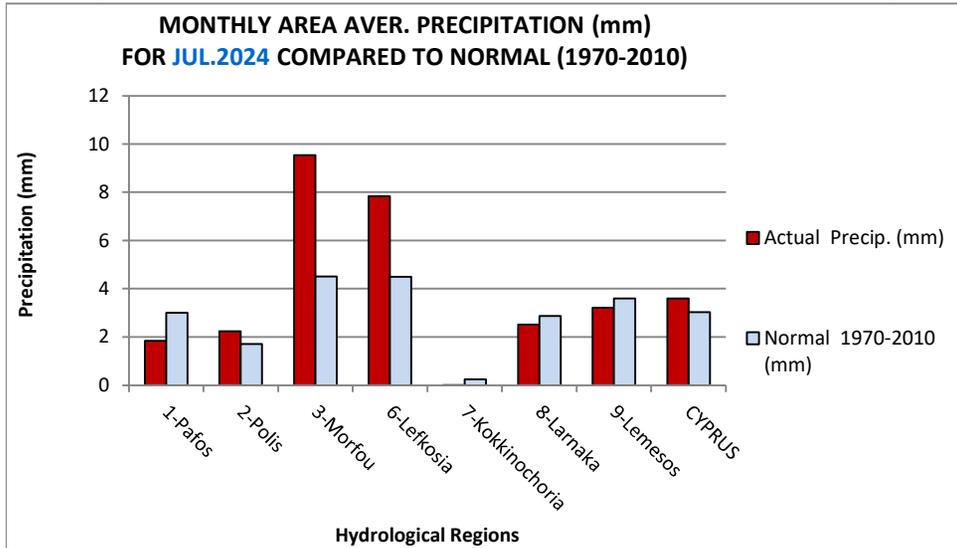
Table 1

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	1.8	3.0	61%	7	419.7	555.1	76%	1	094-Asprokremmos	31	0.32	-0.24	-1.82	-1.19	-0.95	-0.77	-0.41	-1.07	-0.35
2-Polis	2.2	1.7	131%	7	417.2	533.4	78%	1	063-Evretou	31	0.58	0.03	-1.84	-1.08	-0.93	-0.71	-0.41	-0.94	-0.26
3-Morfou	9.5	4.5	212%	8	306.3	431.4	71%	1	370-Kapoura	10, 20	1.12	0.05	-0.97	-1.24	-1.04	-0.78	-0.58	-1.11	-0.26
6-Lefkosia	7.8	4.5	175%	7	330.5	350.8	94%	4	565-Politiko (Tamasos)	10, 20	0.96	0.17	0.04	-0.29	-0.04	0.27	0.65	-0.07	0.34
7-Kokkinochoria	0.0	0.2	5%	8	264.4	323.8	82%	2	845-Frenaros	31	*	-0.15	-0.52	-0.48	-0.53	0.04	-0.2	-0.73	0.04
8-Larnaka	2.5	2.9	88%	7	332.3	402.5	83%	2	592-Lefkara	9, 21	0.59	0.3	-0.34	-0.62	-0.34	-0.5	-0.1	-0.94	-0.19
9-Lemesos	3.2	3.6	89%	7	363.9	508.0	72%	1	313-Kouris	31	0.32	0.26	-1.4	-1.26	-1.15	-1.04	-0.73	-1.48	-0.39
CYPRUS	3.6	3.0	119%	7	354.0	458.5	77%	1			0.69	0.08	-1.18	-1.06	-0.84	-0.69	-0.38	-1.11	-0.25

Graph 1 * unreliable result

Note: Actual Cumul. Precip.= From the beginning of the current Hydrological Year. =>(Oct.2023-Jul.2024)

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