

DEPARTMENT OF METEOROLOGY

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

MONTH: SEPTEMBER 2023

Table 1

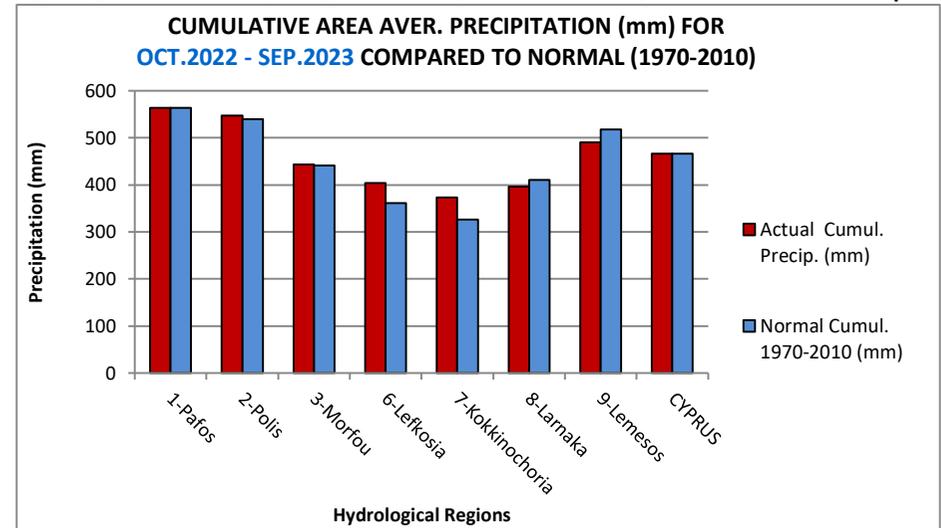
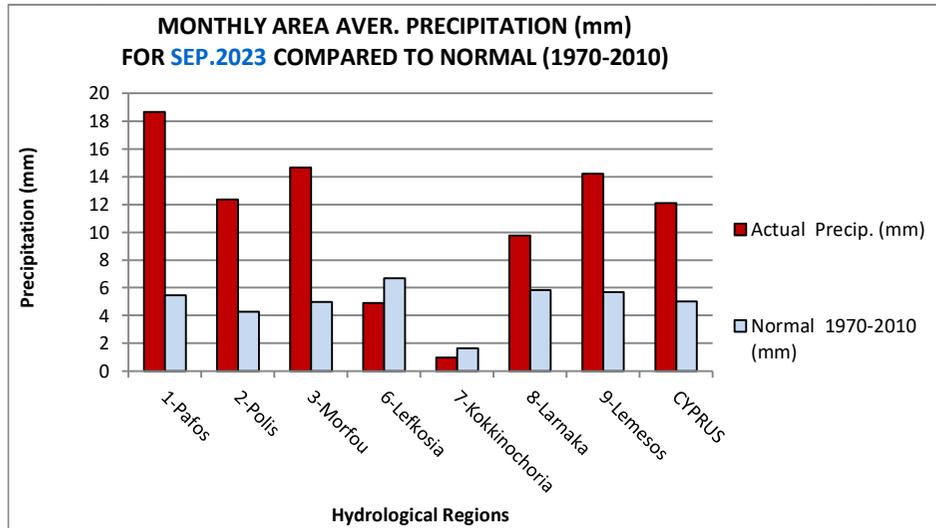
Hydrological Region	PRECIPITATION (mm)								DRY SPELLS	STANDARDIZED PRECIPITATION INDEX (SPI-n)									
	Monthly Area Aver. Precip.				Cumul. Area Aver. Precip.					Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm)	SPI-1	SPI-3	SPI-6	SPI-9	SPI-12	SPI-24	SPI-36	SPI-48	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	18.6	5.5	342%	9	563.6	563.6	100%	5	094-Asprokremmos	10,18	1.52	1.16	0.40	-0.29	-0.01	0.30	-0.43	0.20	1.45
2-Polis	12.4	4.3	288%	9	547.0	539.2	101%	5	063-Evretou	28	1.08	0.72	0.28	-0.16	0.03	0.25	-0.30	0.29	1.26
3-Morfofu	14.6	5.0	293%	9	443.4	440.8	101%	4	370-Kapoura	10,7,11	1.13	0.49	0.81	0.27	0.06	0.08	-0.38	0.32	1.80
6-Lefkosia	4.9	6.7	73%	6	403.8	361.7	112%	7	565-Politiko(Tamasos)	30	0.09	0.39	1.15	0.87	0.48	0.66	0.14	0.44	1.70
7-Kokkinochoria	1.0	1.7	58%	7	373.0	325.7	115%	7	845-Frenaros	30	0.35	0.23	-0.16	0.96	0.61	0.21	-0.36	0.39	1.30
8-Larnaka	9.8	5.8	167%	8	396.6	410.3	97%	4	592-Lefkara	9,19	0.70	1.54	1.09	0.17	-0.06	0.28	-0.50	0.16	1.52
9-Lemesos	14.2	5.7	250%	9	489.9	517.3	95%	4	313-Kouris	10,19	1.03	0.66	-0.01	-0.50	-0.24	0.06	-0.69	0.25	1.82
CYPRUS	12.1	5.0	241%	9	466.4	466.4	100%	5			1.06	0.89	0.60	-0.01	0.01	0.26	-0.45	0.28	1.74

Graph 1



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