

DEPARTMENT OF METEOROLOGY

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

MONTH: APRIL 2023

Table 1

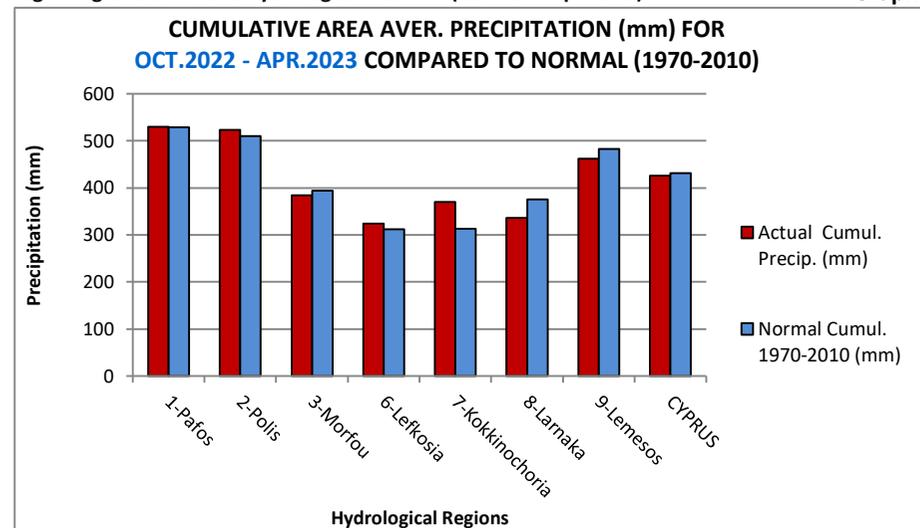
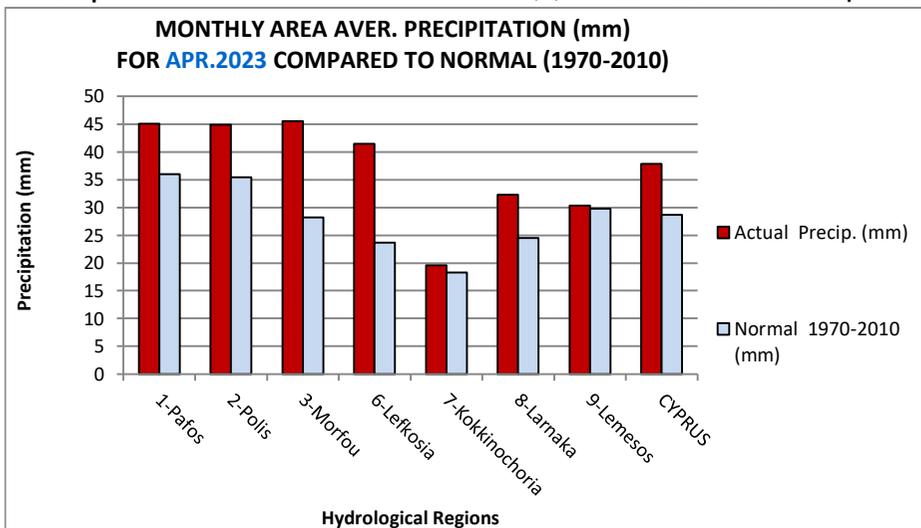
Hydrological Region	PRECIPITATION (mm)								DRY SPELLS	STANDARDIZED PRECIPITATION INDEX (SPI-n)									
	Monthly Area Aver. Precip.				Cumul. Area Aver. Precip.					Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm)	SPI-1	SPI-3	SPI-6	SPI-9	SPI-12	SPI-24	SPI-36	SPI-48	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	45.0	36.0	125%	7	529.9	528.5	100%	5	094-Asprokremmos	10,15,2	0.64	0.38	-0.69	0.00	-0.17	0.17	-0.56	0.21	1.53
2-Polis	44.8	35.4	127%	7	523.5	510.1	103%	5	063-Evretou	10,15,1	0.66	0.68	-0.35	0.07	-0.06	0.19	-0.40	0.30	1.38
3-Morfou	45.5	28.2	161%	8	384.5	394.5	97%	5	370-Kapoura	11,15,1	0.92	0.16	-0.66	-0.06	-0.25	-0.09	-0.61	0.29	2.06
6-Lefkosia	41.4	23.7	175%	9	324.2	312.4	104%	5	565-Politiko(Tamasos)	11,15,1	0.98	0.57	-0.32	0.29	0.16	0.51	-0.30	0.28	1.81
7-Kokkinochoria	19.6	18.3	107%	7	370.3	312.6	118%	8	845-Frenaros	4,6,16,1	0.54	-0.11	0.37	0.73	0.67	0.20	-0.38	0.49	1.33
8-Larnaka	32.2	24.5	132%	8	335.6	375.6	89%	4	592-Lefkara	11,15,1	0.68	-0.08	-0.83	-0.30	-0.45	0.06	-0.79	0.05	1.54
9-Lemesos	30.3	29.8	102%	7	461.7	482.3	96%	5	313-Kouris	10,16,1	0.34	-0.10	-0.80	-0.14	-0.31	-0.05	-0.80	0.34	1.95
CYPRUS	37.8	28.6	132%	7	425.6	431.4	99%	5			0.71	0.23	-0.65	-0.02	-0.18	0.11	-0.64	0.28	1.85

Graph 1



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