

DEPARTMENT OF METEOROLOGY
AREA AVERAGE PRECIPITATION (mm), DRY SPELLS AND STANDARDIZED PRECIPITATION INDEX (SPI-n) PER HYDROLOGICAL REGION
MONTH: DECEMBER 2023

Table 1

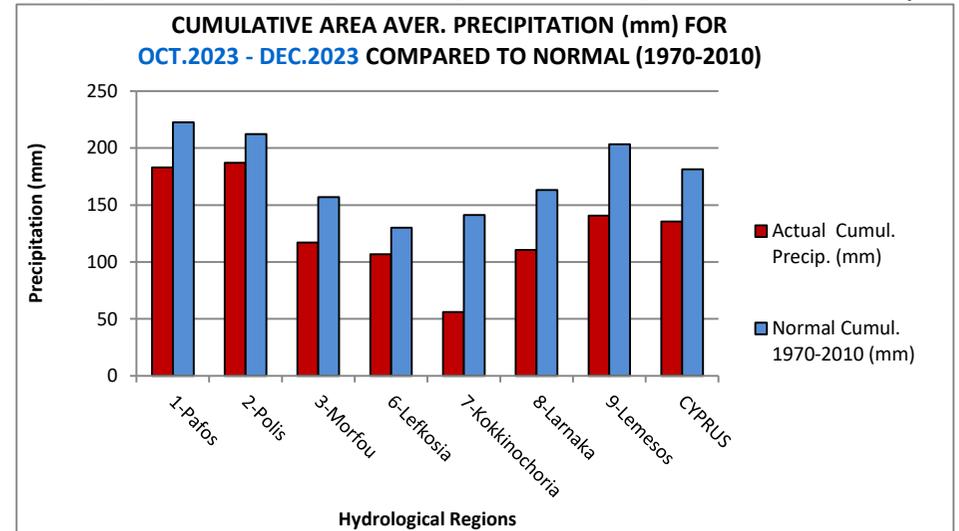
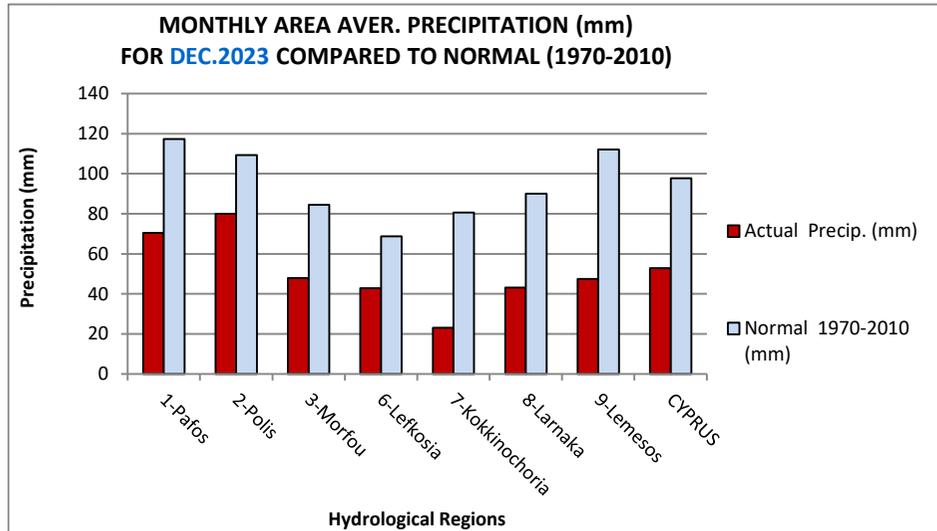
HYDROLOGICAL REGION	PRECIPITATION (mm)								DRY SPELLS	STANDARDIZED PRECIPITATION INDEX (SPI-n)									
	Monthly Area Aver. Precip.				Cumul. Area Aver. Precip.					Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm)	SPI-1	SPI-3	SPI-6	SPI-9	SPI-12	SPI-24	SPI-36	SPI-48	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	70.4	117.3	60%	3	183.0	222.7	82%	3	094-Asprokremmos	7, 2, 8, 9	-0.55	-0.36	-0.22	-0.25	-0.47	-0.15	-0.33	-0.41	0.81
2-Polis	80.0	109.4	73%	4	186.9	212.3	88%	4	063-Evretou	5, 2, 8, 9	-0.33	-0.27	-0.23	-0.22	-0.33	-0.08	-0.27	-0.29	0.69
3-Morfou	47.9	84.4	57%	3	117.2	156.9	75%	3	370-Kapoura	5, 1, 2, 9, 9	-0.51	-0.51	-0.44	-0.03	-0.15	-0.48	-0.56	-0.32	1.02
6-Lefkosia	42.8	68.8	62%	3	106.8	130.2	82%	4	565-Politiko (Tamasos)	5, 2, 9, 9	-0.33	-0.21	-0.20	0.38	0.44	-0.05	0.14	0.02	1.27
7-Kokkinochoria	23.1	80.6	29%	2	56.0	141.2	40%	1	845-Frenaros	7, 12, 10	-1.14	-1.43	-1.43	-1.46	-0.15	-0.50	-1.05	-0.68	0.62
8-Larnaka	43.1	90.1	48%	3	110.6	163.3	68%	3	592-Lefkara	7, 2, 8, 10	-0.64	-0.64	-0.33	-0.14	-0.33	-0.58	-0.54	-0.72	0.90
9-Lemesos	47.4	112.1	42%	2	140.6	203.3	69%	2	313-Kouris	7, 12, 9	-0.90	-0.68	-0.60	-0.70	-0.81	-0.60	-0.69	-0.67	1.01
CYPRUS	52.8	97.8	54%	2	135.4	181.4	75%	3			-0.64	-0.55	-0.44	-0.30	-0.40	-0.39	-0.50	-0.50	1.00

Graph 1



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