

DEPARTMENT OF METEOROLOGY
AREA AVERAGE PRECIPITATION (mm), DRY SPELLS AND STANDARDIZED PRECIPITATION INDEX (SPI-n) PER HYDROLOGICAL REGION
MONTH: FEBRUARY 2024

Table 1

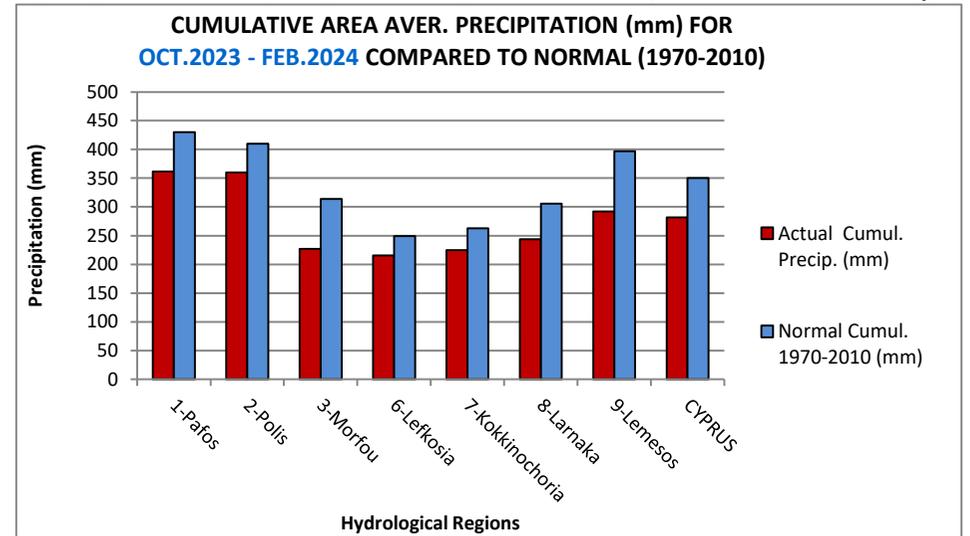
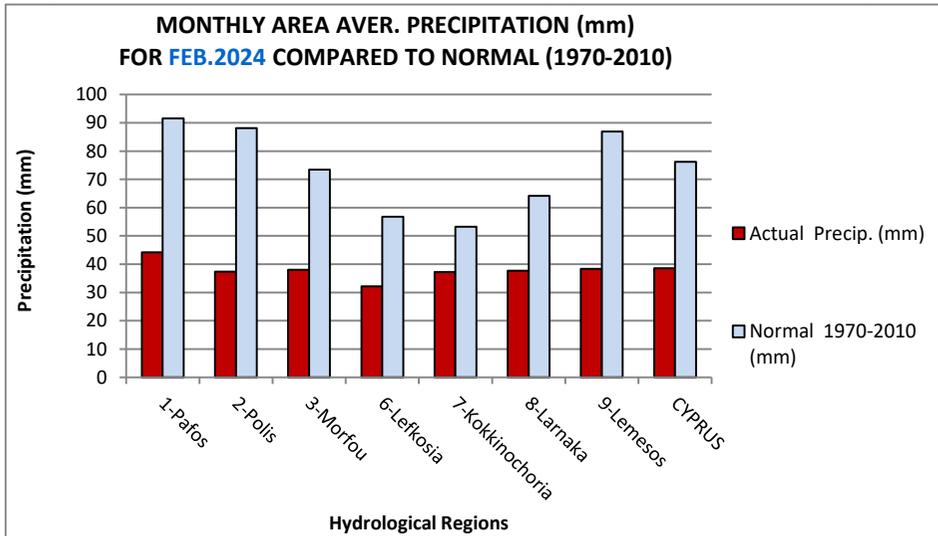
HYDROLOGICAL REGION	PRECIPITATION (mm)								DRY SPELLS		STANDARDIZED PRECIPITATION INDEX (SPI-n)								
	Monthly Area Aver. Precip.				Cumul. Area Aver. Precip.						Dry Spells Periods for selected Meteorological Rainfall Stations (Dry days: <=2.0 mm)								
	Actual Precip. (mm)	Normal 1970-2010 (mm)	% of Normal	Deciles	Actual Cumul. Precip. (mm)	Normal Cumul. 1970-2010 (mm)	% of Normal	Deciles	SPI-1	SPI-3	SPI-6	SPI-9	SPI-12	SPI-24	SPI-36	SPI-48	SPI-60		
1-Pafos	44.2	91.5	48%	1	361.8	429.8	84%	3	094-Asprokremmos	2, 9, 14	-1.05	-0.65	-0.44	-0.49	-0.36	-0.76	-0.35	-0.92	0.04
2-Polis	37.4	88.1	42%	1	360.1	410.2	88%	4	063-Evretou	1, 1, 8, 4, 7, 3	-1.28	-0.51	-0.39	-0.46	-0.20	-0.63	-0.25	-0.71	0.07
3-Morfou	38.0	73.4	52%	2	227.1	313.8	72%	2	370-Kapoura	11, 3, 2, 8	-0.72	-0.93	-0.76	-0.81	-0.57	-0.90	-0.63	-0.89	0.02
6-Lefkosia	32.1	56.8	57%	3	215.3	249.1	86%	4	565-Politikto (Tamasos)	8, 3, 2, 11	-0.41	-0.35	-0.27	-0.20	0.40	-0.13	0.31	-0.19	0.45
7-Kokkinochoria	37.2	53.3	70%	5	224.7	262.8	85%	3	845-Frenaros	13, 12	-0.15	0.00	-0.32	-0.35	-0.42	-0.08	-0.33	-0.68	0.20
8-Larnaka	37.6	64.2	59%	3	243.9	306.0	80%	3	592-Lefkara	8, 3, 1, 1, 11	-0.44	-0.54	-0.49	-0.31	-0.18	-0.83	-0.40	-0.89	0.04
9-Lemesos	38.4	86.9	44%	1	292.2	397.1	74%	2	313-Kouris	12, 13	-1.10	-0.98	-0.81	-0.90	-0.85	-1.19	-0.80	-1.30	-0.01
CYPRUS	38.6	76.2	51%	2	281.8	350.4	80%	3			-0.87	-0.68	-0.57	-0.58	-0.40	-0.82	-0.45	-0.95	0.09

Graph 1



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