

Climate and Soils Data

- 1) Egypt calculated ET (Penman) California  
ET (measured)
- 2) Table XXX  
Climate Data- Alexandria Egypt
- 3) California Delta Climate
- 4) Sub-irrigated lands of the Delta (approx.)

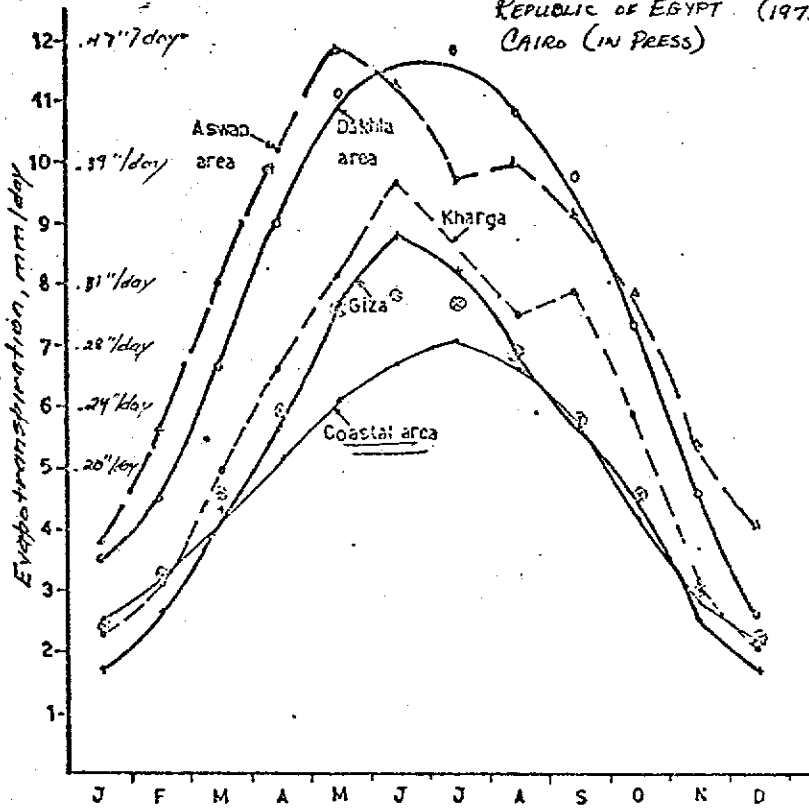
STATE WATER RESOURCES CONTROL BOARD	
APPLICATION NO.	5625ETAK (1977 DELTA)
UC/AG. SCIENCES	EXH II-5
FOR IDENTIFICATION	4/25/77
IN EVIDENCE	5/4/77

UC-II-5

# Comparison of Evapotranspiration

## EGYPT

FROM: RISTEMA, P.E., AND ABOLKHALED, A. "A REVIEW OF SOME EXPERIMENTAL WORK ON CROP WATER USE IN THE ARAB REPUBLIC OF EGYPT. (1973) FAO REGIONAL OFFICE, CAIRO (IN PRESS)

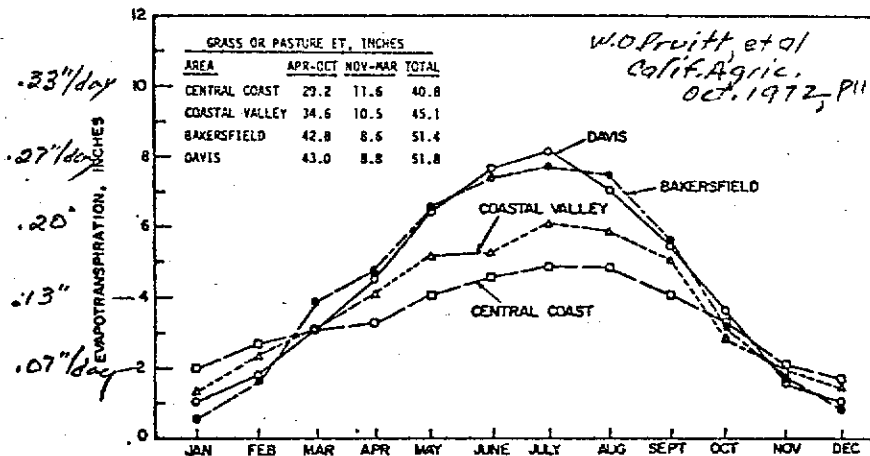


conversions by R.S. Ayers

Fig. 4 Calculated potential evapotranspiration (ETp) for various areas of Egypt (grass height=10 cm.) (Penman method)

## California

GRAPH 2. MEAN MONTHLY EVAPOTRANSPIRATION FOR GRASS OR PASTURE FOR VARIOUS LOCATIONS IN CALIFORNIA. ALL BUT THE DAVIS DATA CAME FROM STATE DEPARTMENT OF WATER RESOURCES BUL. 113-2 (1967).



FROM: WORLD SURVEY OF CLIMATOLOGY, VOLUME 2.  
 CLIMATES OF AFRICA. J.F. GRIFFITHS, EDITOR  
 ELSEVIER PUBLISHING Co.. (1972) PAGE 130.

TABLE XXX

CLIMATIC TABLE FOR ALEXANDRIA, U.A.R.  
 Latitude 31°12'N, longitude 29°51'E, elevation 7 m

Month	M.s.l. press. (mbar)	Temperature (°C)		Dew point (°C)		Precipitation (mm)			Wind (m/sec)			Averages					
		mean	extreme	max.	min.	mean	max.	days >0.1 mm	max. in 24 h	av. speed	prevail. direct. <sup>1</sup> (%)	calm <sup>1</sup> (%)	cloudiness (oktas)	sunshine (h/day)	sunshine (h/day)	evap. (mm/day)	
Jan.	1,018	18	9	26	2	8.1	1	11	48	4	NW	6	4	7.2	4.2	.17"	
Feb.	1,017	19	9	36	2	7.9	6	7	28	4	NW	6	4	7.5	4.6	.18"	
Mar.	1,015	21	11	40	6	9.4	tr.	6	13	5	N	4	4	8.7	5.2	.20"	
Apr.	1,014	24	13	55F	7	11.7	0	2	13	4	N	4	3	9.5	5.4	.21"	
May	1,013	27	16	61F	10	15.0	0	1	9	4	N	4	3	10.4	5.8	.23"	
June	1,012	28	20	68F	12	18.4	tr.	0	<1	4	N	5	2	11.2	5.7	.22"	
July	1,009	30	23	73F	17	20.6	tr.	0	tr.	4	N	5	2	12.2	5.5	.22"	
Aug.	1,009	31	23	73F	17	21.0	<1	0	9	4	N	8	2	10.4	5.8	.23"	
Sept.	1,013	29	18	70F	12	19.0	<1	3	4	3	N	8	3	9.3	5.4	.21"	
Oct.	1,016	28	18	39	12	16.4	0	7	32	3	N	8	4	7.7	4.4	.17"	
Nov.	1,017	24	15	36	7	13.8	0	10	37	4	NW	6	4	6.3	4.5	.18"	
Dec.	1,020	20	11	29	4	10.2	5	10	37	4	NW	6	4	9.3	5.2	.20"	
Annual	1,014	25	16	61F	45	14.3	58F	191	316	4	—	6	3	9.3	5.2	.20"	
Rec. (yrs.)	30	24	24	24	24	24	34	24	34	9	14	14	24	16	10		

<sup>1</sup> From hourly observations.

July Rel. Humidity 70-80%, alexandria, midday.  
 Mean annual = 69% (from text)

Pencil additions by R.S. Ayers.

Calculated Long Term Ave. Temps for Mandeville Island. °F

	<u>Ave. Max.</u>	<u>Ave. Min.</u>	<u>Ave.</u>
April	70	44	57
May	74	51	63
June	82	54	68
July	86	56	71
August	86	55	70
Sept.	84	55	70

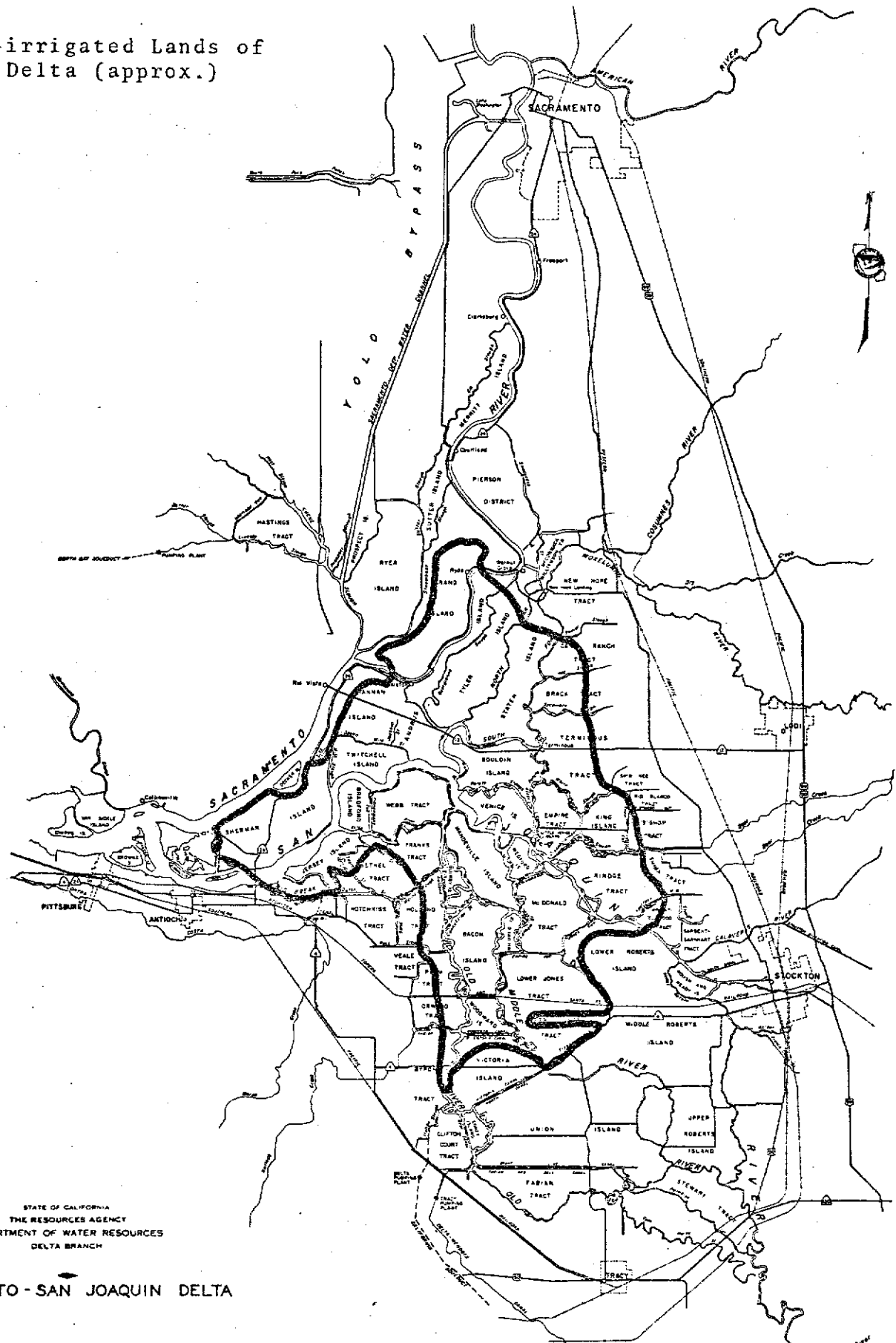
Relative Humidity at Stockton and Sacramento A.P.

	<u>10 A.M.</u>			<u>4 P.M.</u>		
	<u>1958 Sacto A.P.</u>	<u>1972 Sacto A.P.</u>	<u>1972 Stkn A.P.</u>	<u>1958 Sacto A.P.</u>	<u>1972 Sacto A.P.</u>	<u>1972 Stkn A.P.</u>
April	59	50	46	44	36	31
May	54	48	44	40	30	29
June	53	46	42	38	29	27
July	56	48	40	36	30	25
August	51	48	44	32	29	27
Sept.	44	55	46	29	35	29

Above information was obtained or calculated from "Climatological Data" for California published by the U.S. Weather Bureau.

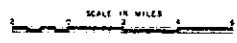
Prepared by Alan Carlton

Sub-irrigated Lands of  
the Delta (approx.)



STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DELTA BRANCH

SACRAMENTO - SAN JOAQUIN DELTA



Prepared by  
A. Carlton  
April 1977