

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

PHYSICAL CHEMISTRY

RESEARCH REPORT

1954

AN INVESTIGATION OF THE

REACTIVITY

OF A SERIES OF SUBSTITUTED BENZENE RINGS

BY

J. H. GOLDSTEIN

1954

RESEARCH REPORT NO. 100



**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)**

**EMPRESA NACIONAL DE ENERGIA ELECTRICA (ENEE)**

**REPUBLIC OF HONDURAS**

**FEASIBILITY STUDY  
ON  
AMPLIFICATION PROJECT  
OF  
EL CAJON HYDRO ELECTRIC POWER PLANT**

**FINAL REPORT**

**APPENDIX**

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**APRIL 1993**

**ELECTRIC POWER DEVELOPMENT CO., LTD.**

国際協力事業団

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## **APPENDIX**

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**AP-1 METEOROLOGY AND HYDROLOGY**





(unit : mm)

TEGUCIGALPA TONCONTIN

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1938	n.a.	n.a.	n.a.	n.a.	55.0	53.0	32.0	86.0	181.0	125.0	91.0	5.0	---
1939	14.0	40.0	5.0	2.0	160.0	141.0	64.0	67.0	271.0	74.0	0.0	0.0	838
1940	0.0	0.0	3.0	1.0	125.0	171.0	33.0	52.0	224.0	187.0	25.0	41.0	862
1941	4.0	8.0	5.0	50.0	56.0	3.0	40.0	91.0	208.0	208.0	153.0	47.0	873
1942	45.0	12.0	9.0	12.0	309.0	176.0	80.0	112.0	233.0	83.0	41.0	34.0	1,146
1943	19.0	5.0	16.0	46.0	79.0	27.0	95.0	42.0	201.0	409.0	39.0	53.0	1,031
1944	3.0	6.0	0.0	6.0	197.0	311.0	68.0	130.0	170.0	37.0	28.0	6.0	962
1945	64.0	27.0	14.0	5.0	275.0	208.0	77.0	139.0	232.0	278.0	71.0	3.0	1,393
1946	26.0	4.0	2.0	7.0	159.0	95.0	48.0	93.0	235.0	144.0	34.0	12.0	859
1947	9.0	6.0	42.0	0.0	130.0	164.0	186.0	239.0	134.0	114.0	56.0	16.0	1,096
1948	5.0	0.0	50.0	7.0	100.0	185.0	95.0	37.0	63.0	99.0	54.0	28.0	723
1949	6.0	7.0	0.0	2.0	44.0	218.0	76.0	77.0	40.0	218.0	85.0	34.0	807
1950	9.0	5.0	12.0	2.0	103.0	76.0	45.0	75.0	63.0	167.0	24.0	n.a.	---
1951	5.6	0.0	0.0	7.9	95.8	146.6	43.2	115.1	240.8	78.2	18.0	1.5	753
1952	2.7	0.3	48.8	124.2	168.1	354.4	111.9	35.3	188.7	80.3	26.6	4.0	1,145
1953	1.5	2.1	0.0	72.1	170.1	90.2	75.1	38.5	277.6	80.7	6.6	8.2	823
1954	9.0	4.6	2.3	16.1	207.6	329.7	70.9	60.8	336.9	125.2	5.2	5.0	1,173
1955	0.3	10.8	2.3	6.0	64.9	92.1	300.6	293.5	267.1	201.4	25.3	10.0	1,274
1956	2.3	5.9	0.3	8.4	134.3	176.6	75.2	62.9	132.2	39.4	41.2	10.3	689
1957	5.4	0.3	1.8	34.3	161.7	138.9	89.8	62.4	215.5	39.4	13.0	16.5	779
1958	4.8	0.0	1.8	6.7	221.5	201.1	169.3	62.0	77.2	213.1	12.3	2.3	972
1959	21.0	0.3	0.5	71.7	293.6	144.6	30.9	125.9	103.3	107.5	41.6	3.1	944
1960	27.7	0.0	10.7	36.8	143.3	173.8	65.4	143.5	137.6	191.4	27.0	5.0	962
1961	14.0	10.4	9.5	36.6	67.3	148.9	114.0	57.1	155.3	69.4	84.5	6.6	774
1962	9.7	1.3	0.0	142.0	148.7	189.6	63.5	134.9	166.3	201.5	6.5	1.3	1,065
1963	5.2	6.4	2.3	13.5	160.5	147.2	163.1	66.8	117.7	97.6	101.1	1.3	883
1964	1.5	1.5	2.5	0.5	111.1	255.2	168.5	70.4	176.4	63.5	38.9	2.8	893
1965	2.1	5.9	0.0	24.9	156.6	90.3	35.5	39.0	262.0	112.8	20.3	16.2	766

Precipitation TEGUCIGALPA TONCONTIN

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1966	2.5	3.6	35.1	33.2	268.5	180.6	131.8	50.1	136.2	186.6	14.3	4.9	1,047
1967	12.3	4.1	15.0	103.9	54.9	143.9	61.6	34.9	155.2	40.5	8.5	6.0	641
1968	3.3	0.5	0.3	2.8	300.7	242.5	26.1	82.5	237.8	86.5	29.5	12.6	1,025
1969	17.4	1.8	19.1	27.1	177.3	266.5	53.4	168.1	262.3	179.2	22.0	4.9	1,199
1970	9.3	1.3	0.0	90.4	112.7	67.4	143.0	101.1	293.1	109.0	53.3	22.1	1,003
1971	4.7	4.7	0.0	10.1	151.3	38.0	39.5	128.7	158.9	174.2	33.4	6.7	750
1972	3.6	3.5	0.0	14.7	136.3	100.5	33.1	21.3	39.0	58.4	26.2	14.8	451
1973	0.6	0.9	1.3	85.9	135.0	137.4	90.6	103.5	227.1	262.3	19.9	12.7	1,077
1974	1.1	2.4	0.0	2.2	212.3	168.6	82.0	76.1	200.4	104.1	6.2	1.6	857
1975	11.3	2.5	4.9	20.0	189.4	10.4	55.3	83.9	340.8	195.7	77.2	0.3	992
1976	3.1	0.0	0.0	25.2	127.2	295.5	29.4	38.2	32.6	160.9	23.6	20.2	756
1977	0.0	8.3	0.0	57.9	219.6	211.6	28.0	40.5	108.2	41.5	45.6	15.8	777
1978	17.2	0.8	11.0	43.3	144.6	109.6	124.8	91.5	145.4	23.8	4.5	14.2	731
1979	1.0	2.6	15.5	130.7	68.0	230.6	138.1	121.7	175.9	156.9	142.0	23.5	1,207
1980	5.9	0.0	0.0	55.8	198.5	161.6	132.6	49.4	221.5	141.4	32.5	5.4	1,005
1981	0.8	33.8	25.9	25.3	167.5	253.6	65.1	216.1	155.0	78.2	17.2	43.7	1,082
1982	3.7	3.3	7.6	32.5	185.4	164.0	43.8	34.0	148.3	71.7	12.3	6.3	713
1983	3.2	3.9	17.4	4.6	16.5	195.8	48.2	91.6	166.4	78.3	81.1	11.5	719
1984	13.0	8.0	34.8	30.1	149.2	173.3	170.7	142.7	223.5	120.2	15.0	3.6	1,084
1985	4.5	3.7	2.5	120.4	50.7	80.0	104.5	36.6	50.7	132.1	17.5	7.1	610
1986	3.0	10.7	0.0	0.3	132.2	51.2	36.4	66.3	98.8	35.7	57.6	10.8	503
1987	0.0	0.7	15.0	6.4	92.2	209.2	103.1	70.4	153.2	25.4	9.3	8.1	693
1988	0.4	8.3	18.0	90.2	127.4	227.7	92.5	264.1	272.5	129.7	31.6	2.0	1,264
1989	3.7	1.6	6.0	51.2	96.7	95.4	57.2	124.0	333.7	78.8	29.4	0.1	878
1990	1.7	4.2	16.9	3.8	147.1	114.1	33.6	50.7	102.0	52.3	137.3	10.8	675
1991	4.9	0.0	1.6	20.4	132.1	111.0	10.1	29.4	83.5	165.1	3.2	34.0	595
AVG	8.5	5.4	9.2	34.5	146.1	158.3	82.4	91.2	178.4	124.7	39.2	12.8	891

Precipitation EL CAJON

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	21.6	113.2	---
1966	n.a.	65.4	56.6	80.9	256.0	358.6	252.1	152.4	268.0	94.0	81.8	58.2	---
1967	32.8	41.0	1.6	89.5	33.1	247.4	224.6	133.4	230.4	139.7	82.5	43.9	1,360
1968	10.9	48.0	33.2	0.5	175.7	171.4	358.8	216.7	179.0	168.6	127.1	72.5	1,562
1969	7.8	2.3	10.4	4.0	135.4	187.5	190.9	488.1	533.2	184.2	81.1	25.5	1,870
1970	77.5	48.2	0.0	15.3	101.5	248.3	401.9	188.9	246.8	219.5	71.7	78.3	1,698
1971	33.4	31.5	39.1	20.0	104.9	358.5	252.6	260.8	165.3	149.8	86.4	44.1	1,546
1972	3.1	65.8	2.0	23.6	90.0	308.6	346.3	253.7	246.3	69.8	96.3	97.9	1,603
1973	39.3	53.2	7.0	48.1	243.5	278.6	262.7	239.2	113.1	153.6	40.2	35.2	1,514
1974	64.6	61.6	32.0	0.0	121.6	339.4	231.5	240.3	396.2	131.3	62.7	12.2	1,693
1975	49.0	11.7	0.0	0.0	18.7	23.6	18.1	35.9	23.5	n.a.	10.4	4.6	---
1976	6.8	2.1	0.0	13.3	8.2	43.1	14.7	44.1	36.4	38.7	63.1	91.0	362
1977	0.0	4.4	4.8	34.0	191.2	196.6	99.1	100.5	204.8	77.8	90.6	42.6	1,047
1978	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	144.8	199.8	204.2	164.4	61.3	46.6	---
1979	12.8	34.2	18.5	29.1	105.8	193.5	106.3	252.2	162.0	147.2	45.3	29.8	1,137
1980	42.7	14.7	2.4	0.0	35.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1981	n.a.	n.a.	n.a.	n.a.	146.0	314.7	239.9	275.5	240.6	158.6	46.5	68.6	---
1982	16.3	45.1	21.5	66.8	138.1	228.8	239.8	216.3	349.2	152.6	44.4	25.1	1,544
1983	35.3	18.9	4.3	53.3	83.9	172.6	269.6	215.1	112.7	140.5	60.4	91.8	1,258
1984	48.0	33.5	19.1	7.6	156.1	233.7	n.a.	364.7	289.5	163.0	42.2	27.1	---
1985	40.3	11.7	7.9	21.9	62.2	173.6	284.2	238.1	181.2	166.4	16.7	24.2	1,228
1986	44.0	6.5	n.a.	6.6	63.9	327.8	254.5	190.4	247.2	191.5	78.1	26.6	---
1987	56.5	32.5	20.1	n.a.	n.a.	n.a.	375.7	254.8	n.a.	43.5	65.1	50.7	---
1988	70.2	6.8	45.3	51.5	149.9	285.5	204.5	173.7	227.0	227.5	125.4	118.1	1,685
1989	45.3	46.2	3.6	25.0	n.a.	194.1	222.0	240.2	380.3	154.3	155.4	93.1	---
1990	22.6	23.6	40.0	136.5	162.4	249.8	244.2	275.6	377.2	72.7	203.1	57.0	1,865
1991	22.9	5.7	27.3	12.3	127.2	249.8	174.6	255.8	274.1	163.3	n.a.	n.a.	---
AVG	34.0	29.8	17.2	32.2	117.9	234.2	225.6	220.3	240.3	140.5	74.4	55.1	1,421

Precipitation

VICTORIA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1966	n.a.	n.a.	n.a.	n.a.	n.a.	171.8	218.9	176.0	266.8	110.3	43.8	10.8	---
1967	37.6	20.6	n.a.	85.5	22.3	23.9	21.7	115.4	132.5	145.5	21.7	8.5	---
1968	10.6	30.9	3.5	28.7	166.1	107.0	182.2	140.9	196.0	270.8	98.8	24.7	1,260
1969	5.1	1.2	20.9	30.9	229.6	233.0	155.3	192.9	348.3	166.9	39.1	12.7	1,436
1970	29.2	3.1	15.1	1.9	n.a.	115.3	237.2	163.9	352.9	307.1	60.9	16.9	---
1971	23.3	30.7	11.6	47.7	30.0	198.4	184.9	280.0	143.2	261.3	60.3	13.9	1,235
1972	23.8	60.2	0.0	60.8	105.9	155.3	194.3	166.5	n.a.	113.6	30.7	26.8	---
1973	3.2	8.6	0.5	28.6	318.4	322.0	200.3	157.0	233.2	95.8	30.7	36.7	1,435
1974	31.8	24.1	62.9	51.6	185.5	207.3	123.5	127.2	254.1	163.3	49.6	3.4	1,284
1975	21.9	4.7	13.5	0.1	71.3	87.9	210.9	197.2	293.8	261.5	92.5	12.7	1,268
1976	37.4	12.2	8.1	96.1	137.7	460.4	79.4	162.7	172.5	160.0	50.0	36.2	1,413
1977	0.4	3.7	0.6	153.2	200.5	182.7	127.3	212.2	155.8	125.9	69.6	43.8	1,276
1978	29.2	9.8	22.8	58.5	241.4	92.9	149.1	191.0	213.4	81.7	92.0	44.0	1,226
1979	4.1	3.9	9.2	58.3	68.6	331.7	134.2	200.4	288.5	142.3	15.9	15.6	1,273
1980	12.6	1.0	0.0	21.0	116.5	251.1	129.6	124.0	241.5	191.9	28.1	18.1	1,135
1981	5.7	20.2	5.6	10.1	131.9	261.5	194.9	316.1	221.6	138.3	23.2	20.4	1,350
1982	10.3	87.7	47.0	58.0	141.1	328.6	200.3	199.4	162.2	120.6	58.4	19.9	1,434
1983	16.4	1.5	10.1	58.8	111.9	336.8	311.0	234.1	119.3	111.9	64.7	53.4	1,430
1984	15.8	17.2	63.7	1.1	222.6	306.8	246.7	239.9	225.1	185.7	32.8	13.7	1,571
1985	3.3	1.9	12.7	78.0	197.0	110.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1986	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1987	12.4	0.0	1.4	1.8	221.1	217.5	201.2	232.3	251.0	21.0	21.4	22.7	1,204
1988	26.9	3.8	4.4	18.2	213.1	166.7	136.0	240.8	322.5	134.1	68.0	35.7	1,370
1989	23.4	9.0	0.0	94.7	198.3	116.3	136.2	171.6	280.5	95.5	94.1	11.6	1,231
AVG	17.5	16.2	14.9	47.4	158.6	208.1	169.3	192.8	232.1	154.8	52.1	22.3	1,287

Precipitation EL TALADRO

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1958	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	107.8	94.0	20.4	n.a.	---
1959	1.5	n.a.	1.5	25.1	158.1	82.2	18.9	115.2	n.a.	n.a.	14.0	n.a.	---
1960	5.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1961	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1962	n.a.	n.a.	4.1	1.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	28.2	0.0	n.a.	---
1964	n.a.	5.1	0.0	25.9	116.6	212.6	122.2	57.2	299.5	44.2	n.a.	n.a.	---
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1966	n.a.	79.6	40.0	27.8	203.8	181.6	131.9	105.7	210.1	110.2	16.1	46.0	---
1967	13.3	3.9	16.6	119.9	17.3	132.8	78.2	46.7	67.9	125.6	29.8	7.7	660
1968	1.0	0.9	4.2	7.1	201.5	211.7	163.7	131.4	273.0	170.5	97.6	12.7	1,275
1969	14.0	5.8	9.5	13.1	194.5	301.0	82.5	174.9	291.7	173.8	21.2	0.8	1,288
1970	19.7	12.2	8.7	18.6	181.7	146.5	210.6	65.1	244.8	n.a.	16.1	27.2	---
1971	1.6	10.0	8.7	3.0	106.4	24.2	111.7	172.9	345.7	127.8	n.a.	n.a.	---
AVG	8.1	16.8	10.4	26.8	147.5	161.6	115.0	108.6	230.1	109.9	26.9	16.8	978

(unit : mm)

FLORES

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1944	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	308.8	83.5	3.9	6.0	----
1945	24.1	7.1	46.8	0.0	212.9	175.6	110.8	140.7	281.2	129.5	54.8	22.6	1,206
1946	4.0	0.0	3.0	15.0	302.7	143.0	81.2	132.3	270.2	69.1	59.1	0.0	1,080
1947	0.0	41.1	n.a.	n.a.	n.a.	241.2	160.7	n.a.	n.a.	n.a.	n.a.	n.a.	----
1948	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1949	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1950	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1951	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1952	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1953	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1954	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1955	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1956	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1957	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	10.5	0.0	----
1958	0.0	0.0	0.6	0.0	146.4	128.7	138.0	166.0	156.4	73.0	0.0	0.5	810
1959	0.0	n.a.	6.1	11.2	160.3	55.4	16.8	104.9	200.2	328.4	10.7	0.5	----
1960	0.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1961	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1962	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	73.2	95.3	54.1	45.0	3.1	0.0	----
1963	0.0	0.0	n.a.	n.a.	n.a.	214.9	172.0	46.0	76.7	71.1	n.a.	n.a.	----
1964	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.0	2.8	----
1966	0.3	3.5	5.7	13.0	182.0	176.0	145.0	142.9	189.7	75.1	9.5	3.5	946
1967	1.3	15.0	19.0	84.5	31.0	122.0	47.0	61.7	70.6	156.7	8.0	1.3	618
1968	0.0	0.5	3.5	24.1	171.0	257.2	75.6	95.0	138.8	118.0	41.2	9.7	935
1969	7.1	4.8	20.1	19.6	104.4	323.5	110.7	235.9	261.0	135.6	34.2	0.0	1,258
1970	0.6	0.0	0.0	54.0	136.3	121.0	245.7	182.8	229.1	212.2	16.8	11.8	1,210

Precipitation FLORES

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	0.0	17.7	1.0	19.5	114.5	62.3	65.3	205.7	145.7	125.8	50.6	7.1	815
1972	1.5	2.5	0.0	35.0	91.7	141.1	93.4	104.8	116.2	74.0	10.1	8.0	678
1973	0.3	0.0	0.9	51.5	137.8	153.6	104.2	145.4	148.0	54.0	33.4	1.5	831
1974	4.0	1.4	4.2	4.2	194.9	207.3	73.2	103.0	206.8	141.6	25.7	5.1	971
1975	6.1	0.0	0.0	0.9	106.5	49.0	82.7	104.7	316.6	213.7	61.2	1.2	943
1976	1.6	0.2	0.0	99.7	94.2	412.2	72.6	101.8	50.0	185.0	9.8	5.2	1,032
1977	0.0	0.5	0.0	53.1	189.1	171.4	12.6	67.1	150.9	18.8	10.5	12.2	686
1978	1.3	0.0	9.0	56.4	132.9	166.4	95.2	95.1	155.0	39.8	20.0	12.9	784
1979	0.0	0.1	15.1	70.1	93.9	198.4	161.5	129.1	103.8	66.8	7.5	6.1	852
1980	5.9	0.3	0.0	48.0	101.5	152.3	124.9	137.8	219.2	76.2	11.8	17.2	895
1981	0.7	48.7	36.8	4.6	87.9	203.6	121.3	231.9	153.6	104.3	7.1	15.2	1,016
1982	3.4	14.1	6.8	59.0	206.5	179.6	49.4	29.6	83.0	44.0	7.9	15.5	699
1983	4.3	5.0	2.8	32.7	58.8	221.9	57.0	166.2	244.7	85.2	47.6	14.2	940
1984	4.6	7.9	26.4	18.5	61.7	130.2	214.8	164.9	264.8	109.5	1.2	0.1	1,005
1985	0.1	0.7	7.7	56.0	113.8	116.9	88.5	118.3	85.4	91.3	38.1	0.8	718
1986	7.5	20.5	0.0	0.0	129.4	74.1	52.9	74.6	126.3	94.0	58.7	0.1	638
1987	0.1	0.0	3.0	32.9	123.1	189.8	95.7	153.3	219.4	7.2	17.4	1.8	844
1988	0.3	4.4	1.1	22.2	59.0	240.4	177.7	223.1	176.5	70.9	7.8	8.9	992
1989	6.0	1.3	9.1	38.7	98.4	161.4	89.4	213.3	230.6	20.2	23.7	28.9	921
AVG	2.8	6.8	8.2	33.0	130.1	173.0	103.5	132.4	175.3	100.7	22.0	6.9	895

Precipitation		LAMANI												(unit : mm)
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1956	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	56.6	187.5	113.8	6.6	19.3	---
1957	11.2	5.1	14.2	62.7	382.3	402.1	402.1	246.4	255.0	245.1	146.3	38.4	6.1	1,815
1958	41.9	7.9	10.7	15.2	269.5	373.9	373.9	350.5	89.7	444.8	233.7	2.8	0.0	1,841
1959	0.0	0.0	0.0	25.4	311.2	406.2	406.2	98.0	231.7	251.2	535.9	15.2	0.0	1,875
1960	0.0	0.0	0.0	139.7	393.7	297.4	297.4	236.2	244.1	425.2	221.0	35.6	0.0	1,993
1961	12.7	2.5	33.0	63.5	106.7	172.7	172.7	353.3	56.1	208.3	71.1	17.8	0.0	1,098
1962	12.7	0.0	0.0	30.5	142.2	475.2	475.2	144.8	271.8	325.1	204.2	15.2	0.0	1,622
1963	n.a.	0.0	0.0	25.4	116.8	226.1	226.1	360.7	132.1	227.3	154.4	222.3	0.0	---
1964	5.1	0.0	0.0	15.5	58.4	736.6	736.6	444.5	91.4	487.9	181.4	51.1	10.2	2,082
1965	12.7	12.7	0.0	12.7	212.1	278.9	278.9	198.1	131.3	410.7	261.6	0.0	41.1	1,572
1966	34.1	73.7	20.3	38.7	408.7	516.9	516.9	274.1	155.2	263.9	101.6	0.0	3.3	1,891
1967	1.0	0.0	54.1	245.4	n.a.	325.4	325.4	12.7	43.2	107.4	140.0	6.4	25.4	---
1968	7.6	0.0	0.0	22.9	288.8	278.9	278.9	97.0	117.4	577.1	143.5	109.2	11.9	1,654
1969	13.7	23.4	7.6	44.7	256.5	747.0	747.0	290.6	770.6	643.6	394.2	27.7	7.6	3,227
1970	0.0	8.9	0.0	41.9	158.2	116.3	116.3	198.9	316.2	686.8	111.8	20.3	4.1	1,563
1971	n.a.	22.9	0.0	6.4	108.0	45.5	45.5	119.4	644.7	908.8	331.2	122.4	0.0	---
1972	0.0	20.3	0.0	59.7	239.5	116.3	116.3	15.2	10.4	135.4	129.8	26.7	0.0	753
1973	n.a.	0.0	0.0	62.2	172.0	375.9	375.9	52.3	306.3	364.7	460.2	23.6	5.1	---
1974	0.0	0.0	5.8	0.0	312.4	249.2	249.2	152.4	66.0	578.6	112.0	25.1	14.5	1,516
1975	16.0	0.0	0.0	12.7	109.5	76.5	76.5	96.5	n.a.	203.2	238.8	60.7	2.5	---
1976	3.3	0.0	0.0	21.6	8.9	61.5	61.5	15.7	17.8	13.5	52.6	2.3	0.0	197
1977	0.0	0.0	0.0	7.6	30.7	41.9	41.9	6.4	24.6	192.5	8.9	38.1	29.2	380
1978	n.a.	0.0	4.1	22.9	251.7	84.1	84.1	262.8	95.0	n.a.	94.7	0.0	20.3	---
1979	0.0	0.0	26.7	94.0	51.1	92.5	92.5	320.5	191.9	161.0	99.1	7.6	26.9	1,071
1980	2.5	0.0	3.8	16.8	97.8	173.0	173.0	86.9	145.3	259.8	193.0	24.1	16.8	1,020



(unit : mm)

LAMANI

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	2.5	21.6	37.8	9.1	68.3	181.9	116.3	260.1	262.6	236.0	14.5	25.7	1,236
1982	8.4	64.0	13.0	9.4	213.1	148.3	71.6	30.7	160.5	102.4	11.4	8.4	841
1983	7.9	15.2	7.8	12.7	43.2	186.2	123.7	120.1	345.2	144.8	36.6	12.7	1,056
1984	10.1	16.3	38.3	29.2	63.2	109.5	239.6	185.3	460.3	182.2	27.6	14.2	1,436
1985	5.8	1.8	27.2	25.9	146.6	301.6	100.8	93.2	195.1	80.5	36.0	7.2	1,022
1986	49.6	54.9	0.0	9.0	105.0	55.0	56.2	74.0	110.1	87.7	74.7	0.0	676
1987	0.0	0.0	21.0	24.9	83.6	215.8	101.1	169.1	188.9	4.0	12.4	1.0	822
1988	0.4	9.8	0.2	41.6	104.9	334.3	188.7	289.2	380.5	162.9	4.5	2.1	1,519
1989	0.3	1.6	1.6	49.0	127.8	168.0	48.5	296.1	263.3	70.8	33.5	6.4	1,067
AVG	8.9	11.0	9.9	39.4	170.1	253.7	167.9	181.3	323.5	171.4	33.8	9.5	1,380

Precipitation EL COYOLAR

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1958	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	19.8	179.4	105.9	15.3	4.5	---
1959	n.a.	n.a.	n.a.	n.a.	n.a.	33.5	8.6	97.8	85.6	302.3	23.4	3.1	---
1960	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1961	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1962	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1964	0.0	0.0	15.0	21.8	122.0	268.0	131.0	102.6	322.0	44.8	31.0	23.2	1,081
1965	1.0	10.0	0.0	22.0	143.4	127.5	23.0	40.6	222.6	222.2	32.5	33.7	879
1966	3.0	26.3	38.4	5.8	321.1	162.4	31.0	47.2	189.2	95.5	13.8	13.4	947
1967	4.0	12.3	26.5	131.2	48.4	136.7	29.0	23.7	120.8	116.8	44.1	6.0	705
1968	0.0	3.1	3.2	36.2	171.5	263.7	34.1	101.6	161.1	178.8	51.8	16.2	1,021
1969	10.4	8.2	22.0	30.5	223.2	380.9	90.1	296.4	315.6	157.1	41.6	1.0	1,577
1970	0.0	1.2	0.0	78.4	47.5	123.3	179.2	183.2	246.3	188.0	15.6	3.8	1,067
1971	0.0	20.2	1.9	33.2	152.3	54.9	41.6	239.8	130.4	167.4	109.9	11.8	963
1972	0.5	0.7	0.7	15.0	64.6	120.9	24.6	42.1	72.5	91.2	6.0	16.5	455
1973	0.0	0.1	0.0	59.4	186.1	140.5	60.6	121.6	134.8	183.0	24.0	5.8	916
1974	1.7	3.6	5.5	5.1	294.0	139.0	30.5	80.0	295.5	110.2	19.2	4.9	939
1975	11.7	0.5	0.0	5.0	111.1	85.3	73.2	37.2	370.6	262.6	131.4	2.5	1,091
1976	1.6	0.3	0.0	57.1	97.7	505.6	31.2	52.2	82.8	219.9	12.9	7.3	1,069
1977	0.0	1.6	0.0	46.0	262.8	121.4	13.4	53.6	167.4	37.9	45.4	n.a.	---
1978	n.a.	2.3	18.0	34.0	145.8	123.6	64.6	52.5	169.4	127.1	38.2	31.9	---
1979	0.1	4.2	22.6	121.5	81.1	182.2	126.1	84.4	150.8	191.4	14.1	12.6	991
1980	7.9	0.5	0.5	20.2	118.1	249.3	130.3	109.2	200.6	77.9	21.3	20.8	957
1981	0.5	44.9	26.1	4.5	83.5	309.9	58.9	242.3	142.6	125.7	7.9	24.6	1,071
1982	8.5	10.3	4.1	55.9	187.2	157.1	29.4	26.3	108.8	52.2	32.5	4.5	677
1983	3.2	11.2	1.0	50.8	32.2	254.5	52.5	88.8	186.0	105.1	79.1	11.9	876
1984	6.7	6.0	4.7	38.7	82.2	170.0	223.1	92.1	256.9	112.7	3.3	1.5	998
1985	0.4	0.0	4.9	21.3	126.8	130.7	89.6	84.1	92.9	86.8	40.6	4.5	683
1986	10.5	1.5	0.2	0.0	134.5	109.2	26.1	49.4	143.7	117.1	47.8	0.8	641
1987	0.0	0.0	1.7	42.5	134.9	182.7	69.8	67.4	237.0	14.2	22.9	7.5	781
1988	0.6	1.1	9.4	54.2	114.0	243.4	159.0	244.8	161.4	87.9	13.7	5.2	1,095
1989	10.1	0.0	0.0	29.8	116.5	105.2	77.4	190.1	323.1	64.8	21.0	1.7	940
AVG	3.3	6.5	7.9	39.2	138.6	180.8	70.7	102.7	188.2	126.3	36.6	10.0	911

Precipitation COMAYAGUA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1943	n.a.	n.a.	n.a.	n.a.	175.5	171.9	533.9	564.6	424.5	252.8	90.9	0.0	-----
1944	10.2	0.0	15.0	4.1	195.7	413.3	158.8	313.1	270.4	n.a.	n.a.	n.a.	-----
1945	1.0	2.8	0.0	40.8	59.9	156.3	0.0	313.9	302.0	141.2	100.1	57.9	1,176
1946	74.9	7.1	5.1	10.1	27.4	12.1	90.3	42.0	78.5	65.0	10.1	0.0	423
1947	23.1	8.1	8.9	29.2	126.3	131.2	108.8	172.3	112.4	162.2	26.2	14.0	923
1948	4.3	10.6	26.9	81.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1949	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1950	n.a.	n.a.	n.a.	n.a.	n.a.	72.8	15.8	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1951	9.5	0.0	0.0	0.0	59.0	203.5	173.7	253.8	193.9	168.3	31.8	23.6	1,117
1952	5.6	4.8	36.9	28.7	240.2	555.3	234.8	68.3	353.5	153.1	67.2	32.8	1,781
1953	0.0	0.0	0.0	38.6	112.3	108.0	91.5	74.5	320.2	87.6	17.6	0.0	850
1954	11.2	0.0	0.0	77.3	164.1	182.7	40.0	96.8	405.3	73.1	11.9	0.0	1,062
1955	n.a.	7.9	0.0	35.1	44.7	33.8	100.8	149.9	120.2	238.7	16.3	38.6	-----
1956	14.6	6.8	0.0	0.0	151.2	352.6	113.4	130.3	117.3	0.0	26.2	53.5	966
1957	21.0	53.6	64.8	123.5	86.3	196.0	110.0	119.9	134.2	172.7	20.3	27.2	1,130
1958	6.4	2.1	n.a.	2.5	77.5	125.5	233.1	54.6	169.2	73.6	88.7	4.9	-----
1959	2.5	0.0	0.0	49.5	203.2	78.2	11.4	115.6	162.3	193.0	7.6	0.0	823
1960	3.8	0.0	0.0	25.4	146.1	113.5	39.6	115.3	181.6	168.9	22.6	0.0	817
1961	7.6	47.0	69.6	5.1	55.9	89.4	109.2	n.a.	67.3	81.3	17.8	0.0	-----
1962	0.0	0.0	0.0	71.1	54.9	156.7	74.4	216.9	147.3	317.8	4.1	5.1	1,048
1963	0.0	21.6	50.3	0.0	88.9	126.8	162.1	111.0	148.1	41.2	n.a.	n.a.	-----
1964	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1965	4.3	6.4	0.0	3.3	88.7	n.a.	n.a.	38.4	153.9	90.2	17.5	0.0	-----
1966	35.6	64.8	38.1	45.0	133.1	127.5	87.6	76.5	150.9	30.2	6.9	6.6	803
1967	7.9	4.6	13.0	57.9	0.0	60.5	29.5	127.5	82.3	177.3	56.6	27.4	645
1968	1.3	3.8	20.9	27.8	75.6	187.7	91.4	123.2	296.2	146.3	65.3	31.8	1,071
1969	0.8	2.5	120.0	40.1	144.0	349.3	86.1	208.5	184.4	133.6	47.0	6.9	1,323
1970	2.0	4.8	2.0	21.8	77.0	149.9	261.9	177.8	210.1	189.7	15.8	31.8	1,145
1971	2.5	11.9	6.6	6.1	126.5	35.3	69.3	170.7	156.2	192.8	69.3	24.4	872
1972	5.1	8.6	0.0	78.2	82.8	134.9	78.0	69.3	95.5	147.1	66.5	n.a.	-----
1973	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1974	3.3	11.2	9.1	2.3	159.5	403.9	133.4	263.7	276.6	241.0	58.4	0.5	1,563
Avg	10.0	10.8	18.7	33.5	109.5	175.1	120.0	160.3	196.8	143.8	38.5	16.1	1,033

Precipitation

AGUA CALIENTE

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1954	0.0	0.0	0.3	80.8	245.9	307.3	159.0	98.6	249.8	157.5	14.8	5.1	1,319
1955	n.a.	n.a.	n.a.	n.a.	43.7	121.4	212.1	206.3	131.9	221.6	3.5	47.5	-----
1956	0.5	n.a.	0.0	0.0	63.0	204.1	159.6	86.2	271.2	157.0	36.9	19.9	-----
1957	36.1	39.4	83.8	30.5	160.1	171.9	65.9	119.4	145.1	86.6	16.6	52.1	1,008
1958	8.9	n.a.	31.8	0.0	193.4	295.4	203.2	55.6	134.3	n.a.	90.6	35.6	-----
1959	23.4	0.0	0.0	37.9	87.1	38.1	27.9	64.0	98.6	241.6	64.8	0.5	684
1960	21.8	10.2	0.0	120.9	116.3	169.2	236.5	206.5	365.8	232.4	61.7	18.5	1,560
1961	46.2	58.4	50.8	8.9	240.0	315.5	206.8	186.4	182.9	226.3	99.3	41.2	1,663
1962	99.3	0.0	11.4	11.4	170.9	149.6	221.5	n.a.	208.3	254.0	24.1	104.9	-----
1963	27.2	40.6	45.2	53.3	158.4	244.9	n.a.	110.9	158.0	70.1	201.2	24.9	-----
1964	n.a.	n.a.	n.a.	10.2	53.3	111.8	99.3	370.8	260.4	107.4	166.9	106.2	-----
1965	0.0	7.9	0.0	12.7	57.9	146.3	82.3	41.7	231.4	120.9	55.6	81.8	839
1966	92.0	41.9	132.8	37.1	383.3	659.9	395.5	255.0	187.2	54.9	6.9	0.0	2,247
1967	26.9	0.0	4.8	196.3	10.2	80.3	91.7	11.7	99.8	146.6	27.2	22.1	718
1968	5.1	21.1	11.2	1.5	237.2	214.6	222.0	203.2	214.1	240.0	134.6	51.1	1,556
1969	54.1	21.6	20.3	25.7	296.4	356.1	106.4	181.6	241.8	280.7	47.0	12.7	1,644
1970	6.9	57.1	0.0	33.0	66.1	n.a.	297.6	191.0	315.1	133.0	4.1	30.5	-----
1971	10.1	n.a.	11.4	49.3	129.6	78.9	184.2	183.4	95.3	188.3	n.a.	60.7	-----
1972	23.1	16.8	1.3	49.5	208.5	151.1	124.7	136.4	170.9	178.7	87.6	20.3	1,169
1973	14.0	12.7	0.0	46.2	135.9	167.1	98.3	145.8	149.9	225.0	93.7	5.6	1,094
1974	17.8	n.a.	n.a.	2.5	104.1	165.4	182.1	97.3	223.8	195.6	50.8	14.7	-----
1975	52.8	8.9	13.2	0.0	130.6	70.6	91.2	154.9	223.3	305.3	134.6	7.6	1,193
1976	12.7	2.5	0.0	47.2	7.6	550.9	87.9	172.2	74.9	70.6	27.4	27.2	1,081
1977	0.0	0.0	0.0	82.3	167.9	210.8	125.7	132.8	198.3	94.2	62.2	24.4	1,099
1978	33.8	7.6	102.4	121.4	216.2	164.5	175.5	143.1	n.a.	113.3	89.7	69.3	-----
1979	9.9	13.5	19.1	98.8	194.8	339.3	244.9	143.3	273.8	173.6	28.2	40.4	1,580
1980	22.4	16.0	0.0	n.a.	165.4	226.8	265.9	61.2	n.a.	207.2	n.a.	28.7	-----

(unit : mm)

AGUA CALIENTE

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	7.6	23.9	10.2	95.8	93.7	388.4	175.6	310.4	288.3	118.6	10.4	18.8	1,542
1982	18.8	16.8	45.7	70.4	211.8	309.9	n.a.	152.1	173.7	129.8	14.2	33.5	-----
1983	17.3	14.0	1.3	18.0	60.9	211.6	181.9	132.6	180.6	212.8	62.2	0.0	1,093
1984	26.8	40.5	15.3	46.8	13.5	59.3	121.0	88.5	128.5	50.1	22.5	15.6	628
1985	4.1	6.4	25.8	n.a.	71.8	55.9	90.2	n.a.	180.8	121.0	47.4	9.9	-----
1986	20.9	9.8	48.1	14.0	178.0	201.4	176.7	73.0	156.8	151.8	106.5	17.7	1,155
1987	8.9	2.5	14.6	36.5	149.0	233.8	237.9	215.0	344.9	70.6	42.7	33.6	1,380
1988	26.6	22.6	5.7	30.8	130.5	280.0	169.6	169.0	192.6	156.2	55.9	12.2	1,252
1989	24.4	2.4	0.0	4.0	527.2	119.2	149.8	173.1	377.6	135.1	105.6	2.7	1,621
AVG	23.5	17.2	21.4	44.7	152.2	216.0	166.8	149.2	203.8	162.2	61.7	30.5	1,249

Precipitation SANTA CLARA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1967	32.9	67.0	67.0	68.0	36.8	282.6	105.8	25.8	129.6	203.7	30.8	79.6	1,130
1968	12.7	31.8	22.1	30.3	379.8	418.9	102.4	208.9	204.2	246.0	107.7	31.6	1,786
1969	25.6	8.5	60.2	40.5	238.9	428.5	68.2	180.7	211.6	368.8	55.9	94.1	1,782
1970	n.a.	25.4	1.2	15.3	131.5	177.5	218.4	196.7	273.7	263.4	72.4	91.1	-----
1971	11.2	1.0	n.a.	15.0	158.1	55.7	90.9	264.5	205.5	239.9	n.a.	n.a.	-----
1972	29.0	n.a.	n.a.	196.8	207.2	134.6	91.6	51.8	247.5	323.2	100.5	10.8	-----
1973	15.2	7.1	0.8	87.2	154.4	178.8	74.4	134.6	186.9	306.4	88.7	30.7	1,265
1974	14.1	20.1	8.0	30.9	112.0	182.3	102.7	165.0	191.7	315.4	50.5	39.9	1,233
1975	59.3	4.2	17.9	0.0	232.6	98.8	126.0	152.2	350.8	313.3	219.9	10.7	1,586
1976	22.7	9.7	1.1	82.4	69.9	504.5	75.1	95.2	39.8	335.0	34.7	64.0	1,334
1977	2.2	5.1	6.9	90.7	272.1	142.6	106.5	39.9	146.5	101.1	156.8	88.1	1,159
1978	29.2	2.9	34.5	100.1	142.6	163.6	178.2	142.9	107.3	104.4	107.7	41.4	1,155
1979	3.4	9.6	17.4	108.4	147.5	368.4	69.9	141.2	228.0	303.6	40.5	98.5	1,536
1980	10.6	7.0	0.2	64.9	89.6	91.0	164.5	49.1	190.9	163.5	66.4	72.6	970
1981	2.5	101.0	62.1	59.9	93.9	366.6	130.6	199.5	208.3	138.1	16.5	61.0	1,440
1982	45.4	34.2	13.8	14.2	232.7	182.4	123.6	112.3	131.7	164.1	23.2	29.6	1,107
1983	2.8	18.6	0.4	42.2	43.1	203.7	159.6	104.3	208.8	220.4	53.3	22.0	1,079
1984	59.4	54.0	30.2	6.6	92.8	168.9	166.4	206.9	321.2	253.3	27.0	39.1	1,426
1985	24.6	10.0	9.5	147.6	144.0	80.9	101.5	145.8	148.7	241.9	84.4	66.4	1,205
1986	65.8	6.9	21.9	30.8	140.8	95.8	124.5	124.9	169.6	130.4	91.0	13.5	1,016
1987	4.6	15.9	33.0	83.5	202.7	219.1	197.2	113.3	215.8	96.1	90.1	26.0	1,297
1988	30.4	41.2	22.1	47.2	143.9	291.2	108.4	290.3	295.2	170.0	98.2	32.2	1,570
1989	62.2	18.3	7.8	9.5	168.2	85.1	139.2	301.0	320.0	84.0	66.6	4.8	1,267
Avg	25.7	22.7	20.9	59.7	158.0	214.0	122.9	149.9	205.8	221.1	76.5	47.6	1,325

Precipitation		TALANGA											(unit : mm)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1952	24.9	0.0	5.1	134.3	145.7	214.2	106.3	53.7	267.8	117.4	53.8	34.4	1,158
1953	25.6	12.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	37.6	----
1954	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	137.6	106.0	96.8	110.7	----
1955	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1956	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1957	33.2	24.9	125.0	99.3	134.5	240.3	71.7	34.5	140.0	144.0	26.2	80.5	1,154
1958	9.6	n.a.	6.4	0.5	349.0	127.8	163.5	42.6	156.8	145.7	24.2	6.9	----
1959	51.8	2.3	12.7	74.4	209.3	73.7	47.8	61.7	72.1	142.1	93.2	24.9	866
1960	14.5	8.1	2.5	133.9	216.2	146.8	88.1	195.8	192.0	230.1	149.4	23.6	1,401
1961	32.5	63.8	6.9	39.4	103.9	71.1	125.7	71.6	102.9	107.7	64.5	22.9	813
1962	36.1	0.0	0.0	175.3	289.1	28.2	77.2	272.3	163.9	232.1	38.1	11.4	1,389
1963	4.6	9.4	17.3	18.0	130.1	85.3	176.8	44.7	4.6	70.1	158.2	10.9	730
1964	16.3	23.6	18.3	16.5	61.5	276.9	82.8	52.8	274.6	166.4	105.4	180.3	1,275
1965	17.5	6.6	1.8	16.0	102.6	147.3	135.4	75.2	208.3	112.8	122.7	98.8	1,045
1966	44.5	42.7	58.9	40.9	249.4	192.8	141.7	77.0	102.6	68.8	7.1	n.a.	----
1967	80.0	11.2	n.a.	14.7	n.a.	189.0	83.8	23.6	114.0	135.9	24.4	29.5	----
1968	11.7	9.9	9.9	34.0	287.5	n.a.	64.0	n.a.	n.a.	n.a.	n.a.	48.3	----
1969	17.8	20.6	25.2	61.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	104.6	25.7	----
1970	36.6	12.7	2.5	70.9	94.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
Avg	28.6	16.5	20.9	62.0	182.6	149.5	105.0	83.8	149.4	141.5	76.3	49.8	1,066

Precipitation EL HORNO

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	187.1	12.0	----
1969	22.7	2.5	0.0	47.9	99.0	106.7	138.7	182.3	328.2	214.2	22.4	10.9	1,176
1970	0.9	7.1	3.2	1.5	103.2	44.1	113.2	205.8	161.0	230.8	85.1	17.5	973
1971	5.6	10.1	0.0	100.1	82.3	100.3	26.4	31.5	102.7	126.2	22.3	4.1	612
1972	1.8	2.5	n.a.	59.4	147.9	157.5	96.7	186.2	132.7	226.5	51.2	16.5	----
1973	7.7	16.4	0.5	1.4	172.8	180.5	73.6	117.1	292.2	189.0	32.3	21.1	1,105
1974													
AVG	7.7	7.7	0.9	42.1	121.0	117.8	89.7	144.6	203.4	197.3	66.7	13.7	1,013

(unit : mm)

Precipitation LA PAZ

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1943	0.0	0.0	20.3	24.1	72.9	244.6	204.7	123.2	384.6	246.9	44.2	5.1	----
1944	16.0	0.0	0.0	11.4	97.8	n.a.	n.a.	n.a.	n.a.	54.0	7.1	7.0	1,143
1945	10.1	n.a.	n.a.	7.1	175.8	72.2	68.3	128.0	103.2	66.6	75.9	32.5	----
1946	0.0	4.0	0.0	7.1	53.3	50.5	139.1	139.8	89.4	95.3	66.2	n.a.	----
1947	3.0	n.a.	n.a.	61.6	255.2	217.6	174.2	n.a.	n.a.	117.9	43.1	3.0	647
1948	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	712
1949	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1950	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1951	0.0	0.0	0.0	76.2	161.1	219.0	195.8	41.4	189.3	106.4	39.6	n.a.	----
1952	11.5	0.0	0.0	56.2	144.2	385.8	174.0	210.2	329.9	50.2	23.9	14.0	1,408
1953	0.0	25.4	n.a.	14.0	170.3	229.5	n.a.	97.3	337.5	105.5	0.0	0.0	895
1954	0.0	0.0	0.0	0.0	0.0	70.5	206.6	162.0	147.8	365.5	18.8	0.0	971
1955	0.0	26.9	0.0	0.0	43.5	246.5	73.6	71.1	152.3	128.6	0.0	n.a.	----
1956													
AVG	4.1	7.0	3.0	25.8	120.6	188.4	153.4	118.3	206.4	124.8	29.0	8.8	989

(unit : mm)



(unit : mm)

PITO SOLO

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1956	n.a.	n.a.	n.a.	n.a.	n.a.	418.9	420.5	493.6	1002.1	705.9	317.9	336.0	----
1957	207.2	128.2	60.8	70.5	n.a.	462.7	386.7	568.9	202.0	106.5	n.a.	n.a.	----
1958	65.9	58.8	70.4	63.5	179.4	562.1	637.9	418.1	612.4	677.5	374.8	313.0	4,034
1959	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1960	n.a.	n.a.	n.a.	n.a.	n.a.	222.9	584.3	368.1	544.8	471.4	203.9	17.8	----
1961	701.2	162.1	231.1	142.3	873.9	675.6	633.2	561.3	172.6	810.0	444.5	177.7	5,636
1962	13.4	3.8	7.5	21.1	123.6	366.9	553.1	549.1	380.6	228.3	28.4	80.5	2,356
1963	151.4	46.6	172.6	4.3	456.4	142.6	165.6	514.6	535.3	213.7	197.7	58.5	2,659
1964	59.4	54.6	9.7	238.8	153.4	545.9	686.7	710.0	536.3	168.2	485.6	492.0	4,141
1965	153.0	45.3	38.1	50.9	265.3	183.8	468.9	n.a.	430.9	264.8	149.5	160.8	----
1966	123.8	87.9	190.8	165.1	271.7	311.7	486.7	276.4	323.3	184.8	159.9	99.4	2,682
1967	219.9	136.2	130.3	94.4	83.3	502.6	296.1	425.3	406.7	322.9	275.6	134.9	3,028
1968	181.4	65.3	92.1	6.1	342.9	320.0	418.9	460.1	396.9	382.6	181.1	182.6	3,030
1969	107.5	14.4	118.3	48.8	199.9	488.9	211.0	368.0	401.5	255.3	239.5	112.1	2,515
1970	194.4	135.0	22.7	56.2	142.8	372.6	456.1	402.1	608.6	420.1	135.3	104.8	3,051
1971	84.8	127.5	69.7	40.9	94.1	63.6	220.0	291.9	n.a.	n.a.	n.a.	289.0	----
1972	176.0	364.6	70.6	41.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	212.8	----
1973	43.7	58.9	6.7	70.7	309.5	220.6	228.4	322.1	176.0	164.5	141.1	105.0	1,847
1974	295.1	113.7	35.2	68.8	121.0	367.9	153.9	282.8	346.6	504.2	114.4	94.7	2,503
1975	161.2	22.9	9.0	5.0	76.4	185.9	145.3	225.7	545.8	154.2	243.9	107.9	1,883
1976	65.2	67.2	10.6	102.5	143.6	340.4	282.7	653.9	189.1	232.4	285.3	113.4	2,486
1977	64.5	61.5	12.0	175.2	328.5	374.2	595.5	290.2	329.3	312.3	99.4	160.0	2,803
1978	307.7	79.0	67.4	65.8	224.3	524.3	488.6	877.7	836.1	413.7	516.2	n.a.	----
1979	63.6	106.1	100.4	163.2	215.2	621.1	312.2	541.2	394.0	318.0	188.1	195.0	3,218
1980	68.9	70.7	21.0	134.0	128.7	384.7	666.0	499.7	231.9	559.3	148.0	201.0	3,114

Precipitation	PITO SOLO												Total
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
1981	79.8	89.7	23.7	128.1	71.5	484.7	487.4	540.9	540.7	956.0	80.2	179.0	3,662
1982	191.7	165.4	79.7	118.0	218.9	375.4	371.6	605.1	328.1	358.5	190.1	138.6	3,141
1983	133.5	18.9	16.2	185.7	104.8	283.2	357.2	220.8	351.5	482.8	149.6	77.6	2,382
1984	124.4	127.0	87.0	1.6	186.8	282.5	504.3	469.9	307.2	611.6	86.8	263.5	3,053
1985	103.9	129.7	137.8	146.8	45.9	145.3	245.9	382.7	469.6	297.1	228.3	232.9	2,566
1986	460.8	38.4	n.a.	75.3	173.2	391.6	447.3	514.4	396.6	383.5	311.9	133.1	-----
1987	72.5	60.8	69.6	17.6	78.2	391.9	501.9	525.2	293.9	102.5	140.7	274.0	2,529
1988	170.2	187.3	40.5	11.4	72.2	305.1	554.8	395.1	405.6	473.7	196.1	257.2	3,069
1989	260.1	146.2	9.1	93.4	252.5	239.0	413.0	397.7	567.7	302.4	232.8	63.2	2,977
1990	213.8	35.3	185.1	232.1	123.2	407.2	365.5	712.8	596.3	n.a.	478.1	351.9	-----
1991	227.2	83.1	43.0	96.9	n.a.	437.6	n.a.	267.0	254.4	573.2	348.5	208.3	-----
Ave	168.1	93.7	70.0	89.0	202.0	363.3	418.2	458.6	427.7	387.9	230.4	179.6	3,089

Precipitation LA ERMITA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1969	n.a.	n.a.	n.a.	n.a.	38.7	225.1	51.5	69.9	134.2	294.8	121.7	20.9	---
1970	7.9	4.8	4.7	30.9	146.4	67.2	105.3	119.5	243.1	211.6	71.3	31.0	1,044
1971	9.1	7.2	1.0	12.2	116.6	94.9	47.8	212.8	90.0	299.4	71.0	n.a.	---
1972	20.2	20.8	0.0	1.4	75.6	108.8	24.6	46.5	132.4	167.5	39.5	15.6	653
1973	11.7	1.2	1.8	10.6	n.a.	116.6	72.7	96.0	105.6	257.0	70.9	7.3	---
1974	9.0	0.6	1.3	8.2	97.3	89.1	60.4	74.1	153.7	204.7	39.9	42.0	780
1975	56.2	2.4	19.7	0.0	128.1	10.4	95.0	73.6	403.8	159.4	202.9	6.4	1,158
1976	12.2	3.8	0.0	46.9	68.5	317.1	32.9	57.5	11.8	305.6	39.5	41.6	937
1977	1.5	1.4	0.8	40.8	157.3	106.7	41.5	42.7	155.5	35.5	41.4	12.7	688
1978	22.8	0.6	38.7	81.6	200.5	145.9	62.0	51.3	113.0	71.5	53.6	42.6	884
1979	4.5	3.8	71.5	137.4	100.7	236.6	55.8	133.1	258.3	245.6	78.1	38.0	1,413
1980	9.6	0.2	0.2	31.5	153.2	232.9	132.3	94.5	66.6	98.0	60.4	56.2	936
1981	6.6	95.7	57.9	62.3	134.5	229.1	98.9	140.9	97.6	166.1	27.4	103.9	1,221
1982	12.7	13.6	14.0	21.3	215.7	109.8	56.5	40.8	148.1	131.6	58.1	19.3	842
1983	3.8	18.6	11.4	16.6	36.7	217.1	94.4	112.4	145.6	160.4	37.4	14.6	869
1984	38.9	56.7	38.7	37.6	181.6	99.7	222.7	236.5	242.5	160.6	11.3	10.3	1,337
1985	29.9	16.6	7.0	26.8	87.2	40.4	94.8	41.7	120.9	237.5	32.1	79.9	815
1986	35.4	5.4	0.0	14.4	140.2	110.0	72.2	34.9	110.7	37.9	85.5	17.2	654
1987	4.9	11.3	36.2	68.7	157.2	68.0	102.2	68.6	62.5	165.6	35.9	29.8	811
1988	15.3	16.9	23.1	94.7	178.6	164.0	78.7	269.6	206.6	157.8	123.5	14.8	1,344
1989	18.0	12.1	5.5	68.5	99.2	46.1	83.9	101.5	323.8	39.9	78.0	13.5	895
AVG	16.5	14.7	16.7	40.6	125.7	135.0	80.3	103.3	158.6	171.8	65.7	30.9	960

Precipitation  
AGUA CALIENTE

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1969	n.a.	n.a.	n.a.	n.a.	n.a.	374.0	107.6	158.3	197.3	215.5	25.6	16.9	---
1970	14.5	4.8	0.2	16.3	49.7	191.6	320.6	195.0	336.2	129.7	10.5	43.0	1,312
1971	3.7	14.4	11.3	48.4	194.2	89.1	152.4	172.2	109.6	174.0	78.8	49.8	1,098
1972	12.3	10.0	0.0	48.6	177.5	149.8	99.7	138.8	122.3	87.7	58.0	31.6	936
1973	7.4	5.7	0.0	n.a.	240.6	156.7	78.3	149.2	160.8	153.5	71.8	4.5	---
1974	14.9	3.0	58.8	23.0	89.6	136.4	149.7	92.7	164.4	161.7	46.2	16.6	957
1975	43.7	6.7	4.9	0.0	130.5	56.2	81.4	169.2	285.1	271.3	119.1	3.9	1,172
1976	6.2	1.8	0.0	40.0	15.4	475.3	128.2	170.8	107.2	26.5	34.9	30.9	1,037
1977	0.0	1.2	0.0	79.6	165.7	176.7	162.2	123.0	213.2	131.8	63.0	18.3	1,135
1978	15.4	0.0	66.2	114.4	217.9	175.5	158.3	156.9	169.1	109.1	61.6	54.6	1,299
1979	2.6	10.7	14.8	151.2	190.3	347.4	241.4	144.5	253.4	244.3	30.4	27.2	1,658
1980	27.0	17.3	0.4	33.3	192.6	334.0	242.9	53.1	206.0	203.5	38.4	26.6	1,375
1981	1.4	20.6	18.1	96.2	110.2	489.9	165.4	321.3	226.5	134.2	7.2	28.6	1,620
1982	15.7	12.9	42.0	30.1	201.8	300.2	222.6	185.5	203.8	162.5	12.5	27.8	1,417
1983	12.4	9.4	1.3	20.4	77.9	239.1	194.5	137.6	190.4	228.7	61.4	36.1	1,209
1984	29.2	41.5	17.6	40.5	121.5	211.8	215.8	240.9	237.9	231.7	21.8	14.1	1,424
1985	4.8	3.6	37.1	138.9	192.2	73.2	85.9	195.1	249.4	186.3	85.0	43.5	1,295
1986	19.8	31.6	53.6	15.6	190.4	196.5	177.4	90.6	141.2	153.5	100.3	15.6	1,186
1987	9.2	0.0	14.0	34.5	146.7	239.5	228.3	261.1	357.6	26.4	41.3	33.6	1,392
1988	21.7	22.5	6.1	36.9	141.9	245.7	171.5	178.9	203.9	189.6	53.3	19.4	1,271
1989	30.9	4.6	7.5	24.1	491.9	113.0	151.6	231.1	323.6	112.8	106.7	3.3	1,601
Avg	14.6	11.1	17.7	52.2	166.9	227.2	168.4	169.8	212.3	157.8	53.7	26.0	1,278

(unit : mm)

PLAYITAS

Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	16.0	0.5	0.0	0.0	82.5	135.6	237.1	131.9	194.4	147.6	13.0	24.3	983
1971	1.5	10.7	10.4	20.6	129.5	48.7	127.6	181.5	139.8	145.6	55.7	12.1	884
1972	4.5	8.1	0.0	67.8	60.0	230.5	74.5	86.1	97.0	180.7	39.1	16.8	865
1973	4.4	10.1	17.0	16.3	157.8	160.4	68.2	131.1	163.1	110.8	37.5	2.7	879
1974	2.3	7.1	6.7	6.8	83.4	221.6	64.2	136.2	184.1	140.0	23.2	3.1	879
1975	11.6	0.0	0.0	0.0	206.6	60.1	54.7	92.1	348.5	146.2	80.9	3.8	1,005
1976	3.5	1.9	4.4	277.4	121.1	412.5	61.1	98.3	97.3	73.2	21.5	4.6	1,177
1977	0.0	0.6	0.0	29.0	196.9	140.6	48.6	81.5	217.5	67.4	28.7	11.7	823
1978	40.7	3.9	6.1	73.0	101.6	139.9	137.6	179.0	151.9	71.6	50.7	5.3	961
1979	0.3	7.4	36.2	169.0	20.7	165.5	102.1	88.0	152.0	81.8	20.7	23.0	867
1980	0.4	5.6	0.0	42.0	73.5	246.8	122.8	71.1	169.0	120.4	19.4	30.1	901
1981	1.6	20.5	5.8	15.8	92.6	153.3	119.4	162.7	157.7	117.7	10.3	13.7	871
1982	18.2	20.6	6.7	30.8	150.1	130.3	97.0	99.4	198.7	132.6	15.6	11.0	911
1983	10.8	3.2	3.7	19.1	53.2	135.5	90.4	123.1	167.7	156.9	29.6	34.4	828
1984	8.3	11.6	0.4	2.7	119.5	127.1	135.8	97.9	334.2	75.3	2.7	5.3	921
1985	7.4	1.2	21.3	10.5	130.1	144.2	72.3	88.3	140.0	172.2	33.0	4.2	825
1986	13.8	8.5	0.0	3.4	66.2	157.3	54.6	50.6	159.1	45.9	77.2	2.4	639
1987	11.5	1.0	0.9	3.7	39.3	212.9	127.6	127.8	162.1	8.0	38.8	1.3	735
1988	9.2	7.2	0.2	54.3	39.5	244.2	206.3	175.1	266.4	78.1	22.0	26.3	1,129
1989	31.3	3.8	0.8	7.9	100.0	52.4	68.6	210.9	201.3	41.3	33.9	23.8	776
1990	1.1	0.6	13.1	90.9	180.9	85.9	74.6	133.3	86.3	91.4	90.0	16.1	864
AVG	9.4	6.4	6.4	44.8	105.0	162.2	102.1	121.2	180.4	105.0	35.4	13.1	891

Precipitation SANTA ELENA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1966	n.a.	n.a.	n.a.	n.a.	n.a.	247.6	328.0	576.7	243.3	420.0	131.6	101.0	----
1967	51.4	163.4	28.5	110.7	86.9	411.2	507.0	446.4	421.5	252.4	109.9	233.0	2,822
1968	103.8	70.3	5.1	49.3	330.6	320.9	284.1	497.1	415.6	286.7	94.9	129.1	2,588
1969	81.8	128.8	118.0	29.0	171.4	372.2	280.9	372.8	n.a.	n.a.	n.a.	79.3	----
1970	183.3	18.5	7.9	1.9	111.5	256.2	206.7	463.5	363.4	386.8	237.2	42.1	2,279
1971	156.6	70.6	45.4	161.4	234.3	675.1	306.1	352.3	163.1	242.5	178.7	178.0	2,764
1972	69.6	122.4	10.9	98.6	417.1	351.7	258.2	352.6	278.8	206.7	103.8	127.0	2,397
1973	101.1	113.2	80.7	158.4	329.4	499.5	463.9	247.1	385.2	319.8	253.1	263.9	3,215
1974	87.3	82.2	65.0	188.7	263.8	529.8	348.1	597.1	375.2	241.0	213.9	n.a.	----
1975	72.0	71.7	30.5	81.6	159.2	450.8	328.4	446.8	536.7	420.3	263.9	146.0	3,008
1976	73.6	108.9	81.9	66.4	131.4	618.9	487.9	358.9	430.8	461.9	178.7	174.0	3,173
1977	88.0	129.1	70.5	76.6	350.1	n.a.	282.3	313.9	475.7	191.3	296.4	76.7	----
1978	102.8	28.8	35.6	178.6	152.7	261.5	409.0	715.4	402.3	308.0	128.0	166.3	2,889
1979	137.3	91.8	141.3	4.1	324.5	452.8	482.3	403.2	567.3	240.8	139.6	143.1	3,128
1980	140.3	77.0	63.2	155.7	117.6	215.5	331.3	443.6	483.8	496.8	n.a.	126.2	----
1981	155.1	26.4	76.5	271.0	166.1	491.6	469.8	440.1	408.5	567.8	184.5	144.3	3,402
1982	81.3	8.0	106.2	49.4	89.8	752.0	605.4	408.5	390.8	90.8	139.2	301.0	3,022
1983	228.0	278.0	113.9	35.2	151.7	545.6	398.7	622.6	644.6	410.9	188.6	289.6	3,907
1984	124.0	104.7	49.3	83.0	407.0	161.3	291.2	655.8	504.6	387.2	375.4	217.9	3,361
1985	140.3	77.0	63.2	155.7	117.6	215.5	331.3	443.6	483.8	355.1	103.3	126.2	2,613
1986	155.1	26.4	76.5	271.0	166.1	493.2	469.8	441.0	408.5	567.8	182.5	144.3	3,402
1987	81.3	8.7	106.2	49.4	89.8	752.0	605.4	408.5	390.8	90.8	139.2	301.6	3,024
1988	228.0	278.0	113.9	35.2	151.7	545.6	398.7	622.6	644.6	410.9	188.6	289.6	3,907
1989	124.0	136.0	49.3	83.0	407.0	160.5	291.2	687.3	460.3	504.3	n.a.	217.9	----
1990	102.8	80.7	163.2	239.0	230.5	739.1	373.8	431.8	640.9	150.9	434.3	191.7	3,779
1991	106.1	41.1	63.1	57.0	184.0	488.4	302.3	300.1	458.3	n.a.	255.9	n.a.	----
AVG	119.0	93.7	70.6	107.6	213.7	440.3	378.5	463.4	439.1	333.8	196.6	175.4	3,032

Precipitation		YURE												(unit : mm)
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	50.9	155.0	0.0	3.6	n.a.	n.a.	n.a.	n.a.	193.7	n.a.	n.a.	32.9	39.1	----
1972	4.3	48.1	0.8	18.6	103.8	269.7	269.7	307.5	320.4	315.5	80.7	147.2	68.1	1,685
1973	16.6	23.1	3.8	72.7	212.0	285.6	285.6	238.1	331.5	91.8	128.3	12.1	22.6	1,438
1974	66.7	33.7	14.1	3.5	144.0	237.7	237.7	176.3	241.5	362.3	80.0	17.9	8.4	1,386
1975	69.8	5.9	4.3	2.3	190.7	159.7	159.7	173.5	430.8	318.3	245.3	45.7	10.4	1,667
1976	39.0	10.7	2.9	57.4	99.1	509.8	509.8	207.2	139.1	138.6	135.8	73.8	10.4	1,424
1977	4.3	8.6	0.6	37.1	260.0	198.1	198.1	185.7	232.0	201.4	130.2	54.8	20.4	1,333
1978	37.5	9.6	12.7	12.5	142.3	220.6	220.6	n.a.	160.5	260.1	125.9	82.4	71.5	----
1979	13.3	14.3	22.8	91.3	77.1	263.0	263.0	134.2	324.3	166.3	98.8	100.5	26.9	1,333
1980	30.1	7.1	3.4	30.6	62.0	398.4	398.4	192.2	256.0	188.0	154.8	146.6	28.0	1,497
1981	3.8	25.0	12.0	1.4	198.0	255.8	255.8	176.1	256.5	254.0	217.5	32.0	59.7	1,492
1982	9.5	67.0	17.3	62.9	162.3	162.5	162.5	284.7	288.7	157.5	99.3	38.9	23.5	1,374
1983	20.4	11.1	6.6	65.1	119.2	118.1	118.1	317.7	254.4	128.0	145.8	71.1	89.8	1,347
1984	2.4	20.1	7.0	1.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
AVG	26.3	31.4	7.7	32.9	147.5	256.6	256.6	217.6	263.8	215.2	136.9	65.8	36.8	1,438

Precipitation SAN JERONIMO (unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	n. a.	15.4	23.5	15.5	161.8	n. a.	191.4	330.6	210.4	288.4	114.7	74.5	---
1972	22.8	20.8	0.8	80.3	209.8	104.5	210.7	277.4	394.2	164.6	69.5	34.9	1,590
1973	5.0	20.1	0.0	153.6	173.1	186.5	102.7	180.5	214.2	191.4	28.1	18.4	1,274
1974	35.6	23.7	9.1	7.2	145.0	293.0	173.9	298.4	318.1	239.7	47.6	19.7	1,611
1975	42.8	5.7	0.4	0.6	68.6	199.0	114.1	163.6	544.2	238.1	143.8	31.1	1,542
1976	18.7	4.2	4.4	85.9	178.0	391.0	98.9	199.8	242.2	208.3	57.8	50.8	1,540
1977	0.8	10.3	0.7	95.4	323.7	180.4	193.1	139.9	168.4	182.4	86.9	41.7	1,424
1978	32.8	27.8	34.1	74.5	192.6	330.6	171.2	291.5	305.2	383.5	91.6	43.3	1,929
1979	6.7	6.2	24.0	163.7	218.3	318.6	257.9	203.8	227.8	294.6	52.8	103.8	1,878
1980	16.9	5.6	0.0	29.4	152.6	327.4	197.1	127.2	291.4	311.0	67.8	59.4	1,586
1981	2.6	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	30.9	---
1982	34.2	223.9	27.4	79.9	265.3	303.2	149.6	268.1	212.0	234.9	58.1	34.6	1,891
1983	27.3	1.6	1.3	30.0	42.2	186.3	217.7	209.6	319.9	223.1	150.3	40.8	1,450
1984	43.3	18.2	42.3	1.8	118.4	211.8	232.1	238.9	401.3	266.3	12.4	19.3	1,606
1985	13.7	3.9	10.8	17.0	162.2	129.7	164.0	272.4	261.1	304.1	89.1	44.0	1,472
1986	44.3	11.1	8.3	40.7	93.9	124.9	100.4	164.4	266.2	188.3	123.7	10.4	1,177
1987	19.5	3.0	3.0	28.7	196.9	270.5	275.6	274.2	377.2	n. a.	89.5	45.8	---
1988	44.2	8.7	6.1	75.3	80.3	n. a.	233.4	338.9	283.6	236.4	n. a.	n. a.	---
1989	71.2	5.3	3.1	12.8	369.9	83.2	137.6	n. a.	348.3	n. a.	n. a.	9.9	---
1990	53.4	5.4	46.9	84.8	119.1	285.6	238.0	283.2	464.6	241.0	128.8	79.1	2,030
AVG	28.2	22.2	13.0	56.7	172.2	231.0	182.1	236.8	307.9	246.3	83.1	41.7	1,618



Precipitation **SAN NICOLAS**

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1968	n.a.	n.a.	n.a.	n.a.	134.0	169.0	172.0	96.3	190.7	229.0	95.4	22.6	-----
1969	n.a.	10.2	24.8	8.7	380.6	457.5	227.4	142.2	286.9	226.6	38.8	6.4	-----
1970	31.0	22.6	4.1	33.1	108.2	297.1	426.2	307.8	375.7	158.6	37.3	30.9	1,833
1971	9.5	14.3	12.2	73.7	149.7	95.7	199.7	272.0	187.3	235.4	50.1	45.3	1,345
1972	25.8	19.4	0.0	28.8	127.8	157.6	145.9	163.8	300.5	194.1	57.2	39.8	1,261
1973	5.3	3.8	0.3	88.0	174.8	223.3	234.6	147.7	151.6	119.5	30.1	1.7	1,181
1974	15.2	5.5	8.6	11.8	132.2	223.6	196.3	121.9	246.1	184.2	46.3	8.3	1,280
1975	63.8	8.6	1.4	0.0	67.6	80.8	139.6	206.2	349.6	334.2	101.5	5.7	1,359
1976	13.2	2.9	0.0	92.7	76.4	467.8	131.2	162.7	135.5	105.7	25.3	20.4	1,234
1977	0.0	0.1	0.0	61.5	205.7	212.2	155.6	72.2	141.9	122.3	47.5	20.4	1,039
1978	47.0	8.2	48.6	76.2	308.6	178.5	137.2	184.3	223.2	136.6	31.4	32.1	1,412
1979	3.2	5.9	24.9	135.3	226.4	296.2	178.9	197.7	293.6	170.0	50.1	24.6	1,607
1980	10.9	5.7	0.0	25.2	171.2	362.9	183.8	63.7	308.2	184.1	36.0	16.2	1,373
1981	1.1	34.4	15.0	93.7	191.0	499.1	195.9	305.1	374.2	209.0	5.0	21.2	1,946
1982	23.2	41.5	49.6	247.6	371.2	367.4	235.5	176.0	n.a.	n.a.	n.a.	n.a.	-----
1983	16.1	3.6	0.2	26.1	46.0	183.1	203.2	179.9	95.8	211.6	67.2	24.7	1,058
1984	27.3	50.8	8.0	75.0	120.5	210.6	206.8	197.5	243.5	173.9	7.2	19.2	1,340
1985	3.4	50.8	12.2	144.6	150.4	n.a.	167.0	165.6	n.a.	n.a.	42.3	13.0	-----
1986	35.2	20.3	5.4	n.a.	170.3	157.6	183.4	101.7	202.4	n.a.	n.a.	n.a.	-----
1987	n.a.	n.a.	n.a.	n.a.	137.3	172.6	228.5	283.9	199.8	14.5	38.2	50.4	-----
1988	43.1	5.3	7.2	30.4	131.6	338.6	169.4	238.6	200.6	119.8	80.5	23.8	1,389
1989	22.4	6.5	4.7	2.2	241.3	131.3	166.2	279.0	269.3	89.5	131.3	5.1	1,349
AVG	20.9	16.0	12.9	66.0	173.8	251.5	194.7	165.1	238.8	169.4	50.9	21.6	1,402

Precipitation LAS BOTIJAS

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1969	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	95.5	46.1	---
1970	18.5	14.5	0.0	38.4	144.3	148.2	240.4	250.8	298.5	187.6	47.8	70.1	1,459
1971	25.0	42.4	11.2	7.9	176.4	73.2	82.0	305.7	223.1	198.3	84.8	55.1	1,285
1972	28.0	22.3	3.5	46.2	179.9	126.1	73.3	111.7	188.1	206.4	77.8	35.0	1,098
1973	19.6	2.2	0.0	69.3	155.0	109.6	146.8	67.8	103.0	420.0	103.1	57.6	1,254
1974	141.1	2.6	5.8	7.0	106.0	31.4	49.8	131.4	143.1	212.0	66.7	97.4	994
1975	137.0	7.5	0.0	2.4	99.5	72.1	10.0	82.7	90.2	129.0	74.9	31.4	737
1976	69.0	31.1	0.0	39.8	123.0	439.4	10.3	17.5	18.3	102.3	58.5	200.0	1,109
1977	70.0	0.0	12.7	54.0	492.6	328.5	256.1	51.7	120.8	87.9	78.2	64.1	1,617
1978	69.9	0.0	32.5	89.6	n.a.	73.3	113.1	114.0	87.4	114.4	121.1	86.2	---
1979	70.2	56.9	53.3	155.0	120.4	309.3	191.3	177.6	270.8	136.9	90.6	92.4	1,725
1980	43.6	0.0	0.0	13.0	287.3	116.4	118.6	150.5	152.2	178.5	83.0	39.6	1,183
1981	0.0	113.2	50.0	69.9	260.1	307.7	76.4	235.6	120.9	124.2	38.9	38.5	1,435
1982	50.6	18.2	0.0	0.0	239.7	44.8	76.6	66.5	243.2	76.1	55.7	56.5	928
1983	73.0	2.0	0.0	34.3	2.8	308.3	234.2	88.6	300.9	146.3	78.5	25.2	1,294
1984	48.3	1.0	34.0	0.0	47.5	122.1	322.8	186.5	412.0	86.8	36.6	58.0	1,356
1985	25.8	17.4	18.8	168.6	177.1	100.7	86.5	96.5	98.4	273.3	89.8	125.0	1,278
1986	80.3	3.2	6.9	23.2	178.4	213.2	113.8	119.6	148.6	116.2	86.4	21.7	1,112
1987	3.6	0.0	22.9	34.4	167.8	162.7	168.0	150.2	146.9	12.2	51.1	13.0	936
1988	n.a.	3.3	0.0	0.0	99.7	169.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1989	n.a.	33.0	n.a.	n.a.	n.a.	145.0	87.0	182.7	415.3	71.3	46.8	0.8	---
Avg	54.1	18.5	13.2	44.9	169.9	170.1	129.3	136.2	188.7	151.6	73.3	60.7	1,210

Precipitation LA LAGUNA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	n.a.	2.9	23.9	8.1	96.8	119.4	216.6	168.6	209.8	93.3	23.7	29.3	-----
1971	1.1	10.9	7.5	70.8	110.0	44.2	182.1	272.0	138.0	105.6	49.8	26.2	998
1972	14.4	19.2	0.0	42.6	3.0	26.3	105.5	112.5	170.3	69.0	n.a.	48.5	-----
1973	6.9	0.0	0.0	0.0	165.9	143.1	104.7	422.3	72.9	99.5	29.8	n.a.	-----
1974	0.7	0.0	8.5	10.5	183.4	391.5	19.1	96.8	113.9	182.6	25.3	31.6	1,064
1975	43.0	3.0	0.0	0.0	74.6	73.2	20.5	75.2	431.7	499.6	94.1	9.7	1,325
1976	16.1	3.2	0.0	318.2	392.3	273.2	136.8	158.0	118.0	292.9	68.4	0.0	1,782
1977	0.0	0.0	0.0	130.6	376.8	540.4	20.5	243.9	88.0	n.a.	47.3	58.5	1,506
1978	180.5	4.1	1.7	82.0	178.5	149.1	450.9	197.6	169.2	70.1	153.4	11.7	1,649
1979	0.0	11.2	44.0	133.1	21.1	104.1	98.1	110.0	173.3	213.6	24.6	34.1	967
1980	1.9	7.8	0.0	10.4	107.2	278.6	145.3	101.3	192.6	116.0	26.2	45.2	1,033
1981	6.9	30.3	7.5	15.8	118.5	153.4	204.2	251.2	254.0	188.9	8.0	13.0	1,252
1982	17.6	24.3	14.7	15.3	219.9	250.5	129.9	88.4	189.2	140.4	29.0	5.7	1,125
1983	30.1	2.0	5.4	26.0	83.7	291.7	134.0	111.4	227.2	146.5	33.3	33.4	1,130
1984	27.7	13.8	7.2	3.7	106.0	168.3	187.5	147.4	362.6	190.1	4.1	15.3	1,234
1985	11.0	7.8	17.6	2.0	253.4	140.9	158.2	119.4	121.3	126.7	36.5	23.5	1,018
1986	18.3	12.6	3.0	7.9	116.8	122.8	120.5	118.2	197.3	72.7	108.9	10.3	910
1987	6.0	0.0	8.9	9.2	139.7	277.8	194.0	237.5	148.7	18.4	39.0	7.6	1,087
1988	19.4	17.1	2.2	64.8	76.5	324.6	311.9	213.3	241.7	154.2	32.9	38.0	1,498
1989	48.6	6.6	5.2	62.5	161.0	56.1	70.5	201.4	254.8	367.7	62.7	130.4	1,428
AVG	23.7	8.8	7.9	50.7	149.3	196.7	149.5	172.3	193.7	165.7	47.3	30.4	1,196

Precipitation PORTILLO DE LA MORA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	n.a.	n.a.	n.a.	17.9	88.3	148.4	293.7	145.4	239.1	161.1	31.2	35.8	-----
1971	3.0	18.4	3.9	64.2	186.5	50.8	197.7	286.1	178.0	100.1	94.0	31.3	1,214
1972	23.9	42.3	10.0	57.2	102.9	123.0	170.5	130.0	163.5	146.5	8.0	48.0	1,026
1973	24.2	15.0	0.0	19.0	155.2	212.0	110.0	374.7	168.0	154.0	167.0	65.2	1,464
1974	51.1	100.5	34.0	18.0	224.0	465.0	189.2	220.0	289.0	228.9	220.0	71.3	2,111
1975	120.8	107.0	0.0	10.0	169.0	123.0	35.0	226.0	589.0	326.5	133.0	0.0	1,839
1976	62.0	0.0	10.0	311.0	334.2	615.0	303.6	364.0	277.0	384.0	155.0	192.0	3,008
1977	10.0	15.0	0.0	77.4	273.0	631.3	300.0	276.0	474.0	173.0	404.0	186.0	2,820
1978	229.0	201.0	35.0	70.0	381.0	400.0	494.0	383.0	394.0	358.0	139.0	132.0	3,216
1979	23.2	25.8	81.1	229.9	146.8	295.3	409.1	59.2	122.4	154.8	50.6	142.0	1,740
1980	40.6	16.2	0.0	29.5	123.2	364.8	141.7	101.2	190.2	115.8	86.6	234.0	1,444
1981	66.0	18.4	32.2	16.1	197.2	339.6	253.0	195.5	284.6	258.8	213.1	154.0	2,029
1982	63.5	77.1	2.2	16.7	278.2	239.5	255.2	124.6	250.9	161.5	43.4	30.6	1,543
1983	32.2	4.5	16.1	18.9	86.9	477.8	330.1	275.3	388.1	472.5	175.9	68.3	2,327
1984	62.8	58.1	16.6	12.4	89.4	298.6	572.9	214.0	600.6	101.7	30.1	23.8	2,081
1985	28.9	17.9	30.5	10.0	224.8	152.5	248.7	205.4	353.9	317.9	94.0	20.0	1,705
1986	60.3	16.4	76.1	7.2	181.7	186.3	198.8	146.0	306.0	103.7	159.7	22.2	1,464
1987	12.0	3.6	23.1	23.6	122.8	193.5	234.3	225.6	222.4	29.6	46.1	n.a.	-----
1988	55.0	30.6	n.a.	64.2	n.a.	420.6	335.6	434.1	332.0	492.0	98.2	144.6	-----
1989	98.4	83.6	4.2	23.6	170.7	119.6	90.5	244.7	339.4	108.3	101.1	49.2	1,433
Avg	56.2	44.8	20.8	54.8	186.1	292.8	258.2	231.5	307.1	217.4	122.5	86.9	1,879

	TUTULE												Total
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
1969	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.
1970	22.6	19.5	0.5	35.1	187.5	175.3	356.9	289.2	293.5	160.5	93.8	42.7	1,577
1971	22.0	48.0	4.9	81.2	203.4	420.3	233.0	349.2	233.0	153.2	88.3	27.4	1,864
1972	31.5	35.1	5.1	66.7	154.1	272.6	104.4	70.1	158.8	141.1	20.5	39.9	1,100
1973	23.9	23.5	0.0	19.3	174.6	240.1	132.5	234.5	179.9	359.0	60.3	14.7	1,462
1974	4.9	27.8	17.1	14.4	163.9	248.6	125.5	151.1	252.7	174.4	22.3	36.1	1,239
1975	38.3	2.8	0.5	0.0	168.6	84.3	83.0	117.7	505.5	284.7	177.4	44.5	1,507
1976	58.7	7.4	3.3	67.9	196.4	545.5	53.2	106.1	211.6	238.7	57.4	83.9	1,630
1977	7.8	17.4	4.9	196.7	433.5	130.3	61.4	94.9	186.0	61.9	65.9	20.2	1,281
AVG	26.2	22.7	4.5	60.2	210.3	264.6	143.7	176.6	252.6	196.7	73.2	38.7	1,470

(unit : mm)

Precipitation **SULACO**

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	9.5	20.0	8.4	16.3	57.0	77.8	131.6	251.4	138.7	125.6	56.2	8.3	901
1972	12.6	9.6	1.7	28.8	48.5	117.1	133.8	179.9	188.4	137.1	48.6	34.8	941
1973	0.0	5.6	0.4	10.5	73.6	212.6	149.9	122.4	160.4	98.4	16.4	11.3	862
1974	20.0	12.5	17.0	1.2	88.5	122.6	76.3	129.6	317.6	165.2	30.4	6.9	938
1975	10.9	12.5	0.0	0.0	100.6	107.7	167.9	155.8	267.9	266.2	67.9	4.2	1,152
1976	19.3	3.6	0.0	53.3	204.3	410.6	114.8	94.2	41.8	159.2	44.0	19.8	1,165
1977	0.0	0.9	0.0	128.4	341.5	170.4	101.1	119.9	183.5	113.8	54.6	42.6	1,255
1978	29.7	28.7	20.4	41.5	178.3	127.3	197.3	128.2	164.1	87.8	38.1	21.9	1,063
1979	5.9	5.5	22.1	241.3	110.1	245.3	122.1	241.0	257.1	148.3	80.7	24.8	1,504
1980	8.7	1.6	0.0	4.1	125.4	227.3	81.9	175.4	138.4	80.6	74.6	14.4	932
1981	0.8	26.6	0.0	0.0	145.5	213.4	143.8	218.4	169.8	107.7	15.6	9.6	1,051
1982	12.6	7.1	19.5	15.9	144.6	144.6	147.5	200.1	168.3	80.5	31.8	9.4	982
1983	8.1	1.3	21.0	46.7	31.3	227.9	231.6	113.0	164.8	113.5	41.0	22.5	1,023
1984	15.9	9.7	4.4	32.5	96.4	265.2	348.1	209.4	269.6	164.9	13.1	5.3	1,435
1985	5.0	1.4	32.6	93.7	139.4	100.4	137.8	135.0	82.4	121.1	52.8	9.0	911
1986	4.2	8.0	0.4	7.2	152.3	220.2	140.2	168.9	174.9	100.8	61.3	10.8	1,049
1987	7.1	0.0	9.3	1.4	51.8	143.3	189.5	162.9	189.7	n.a.	17.7	20.0	---
1988	10.1	7.3	9.0	67.9	139.2	217.3	121.2	146.3	216.2	99.1	88.8	6.6	1,129
1989	n.a.	11.6	0.3	60.8	126.7	104.6	82.0	128.1	262.4	109.0	64.0	9.4	---
Ave	10.0	9.1	8.8	44.7	123.9	181.9	148.3	162.1	187.2	126.6	47.2	15.3	1,065

PRECIPITATION

VALLECILLO

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	58.7	51.5	73.7	----
1971	27.7	7.5	20.4	79.5	184.4	83.2	146.6	325.5	254.9	376.9	140.3	82.3	1,729
1972	35.5	33.0	0.0	183.0	329.8	123.8	134.6	221.5	370.0	434.9	79.2	36.6	1,982
1973	20.8	12.7	6.0	112.4	152.6	245.0	176.5	237.4	299.1	222.1	138.5	4.7	1,628
1974	30.7	25.4	23.0	23.4	218.1	271.0	221.0	228.6	259.2	329.5	104.2	63.5	1,798
1975	37.5	11.4	27.0	0.0	95.3	114.3	145.3	322.9	553.0	487.3	181.5	28.8	2,054
1976	34.6	8.6	15.2	148.9	143.3	500.3	123.0	223.5	140.4	368.8	112.2	65.7	1,885
1977	7.8	13.4	n.a.	173.0	284.2	356.4	231.0	189.1	240.5	188.5	101.3	98.2	----
1978	52.5	12.5	80.6	120.1	249.3	214.0	211.8	261.8	242.9	339.7	128.1	73.6	1,987
1979	18.1	38.3	47.4	215.8	174.2	577.7	207.4	287.9	392.3	272.3	51.6	113.7	2,397
1980	41.1	2.1	0.0	67.3	151.2	444.9	215.6	99.5	218.0	291.9	70.2	109.0	1,711
1981	5.4	44.7	24.8	85.5	130.3	347.7	229.1	426.0	392.6	206.4	30.7	44.7	1,968
1982	30.0	40.5	20.4	34.9	335.9	322.1	304.5	295.2	328.6	235.1	40.2	86.6	2,124
1983	36.5	11.4	0.0	82.9	100.0	283.2	302.3	282.3	288.9	386.0	85.3	56.0	1,915
1984	75.9	71.5	62.9	14.1	267.5	298.9	270.4	278.2	392.5	373.4	87.3	29.3	2,222
1985	38.9	15.4	97.1	148.7	234.2	182.9	158.3	231.3	435.3	234.4	43.7	70.6	1,891
1986	62.4	2.4	34.1	34.4	215.7	190.4	174.9	155.1	282.5	234.0	167.9	30.9	1,565
1987	28.8	5.1	44.1	108.8	242.8	302.8	314.9	402.8	356.9	51.1	81.2	40.2	1,980
1988	n.a.	n.a.	n.a.	120.4	105.6	292.8	325.1	375.9	264.3	217.6	90.9	79.2	----
1989	95.3	24.7	n.a.	49.2	328.9	50.4	213.5	268.3	n.a.	130.5	115.2	36.8	----
1990	41.5	22.8	193.0	294.5	219.4	247.1	343.8	250.5	395.2	251.0	224.3	116.4	2,600
1991	111.6	19.5	6.3	37.6	105.9	154.1	n.a.	n.a.	n.a.	n.a.	n.a.	92.8	----
AVG	46.6	21.1	39.0	101.6	203.3	266.8	222.5	268.2	320.4	271.0	101.2	65.2	1,927

Precipitation ESQUIAS

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	18.2	37.2	31.3	---
1971	8.2	32.9	9.6	41.9	94.1	102.1	175.3	274.3	131.3	209.2	86.9	54.0	1,220
1972	29.3	22.4	0.0	34.1	166.8	165.2	253.2	169.3	245.7	149.9	72.7	21.4	1,330
1973	10.7	5.5	0.9	96.6	150.7	208.7	158.0	161.6	185.4	125.7	54.6	1.9	1,160
1974	33.7	10.7	29.0	29.3	110.6	218.3	184.6	117.4	251.9	216.3	50.7	13.1	1,276
1975	47.1	1.8	0.9	0.0	82.3	106.7	138.5	251.9	434.3	250.8	145.0	4.8	1,464
1976	13.9	6.2	0.0	88.9	98.9	466.6	137.1	227.1	131.8	95.9	46.7	26.6	1,340
1977	0.2	2.2	0.8	50.1	243.3	246.4	178.9	97.7	187.4	98.1	n.a.	23.0	---
1978	30.7	26.2	21.7	114.2	289.0	203.1	247.2	209.0	216.2	174.8	38.5	35.2	1,606
1979	0.7	6.4	28.7	126.1	189.5	285.8	135.9	195.2	320.4	201.2	46.1	30.6	1,567
1980	18.4	5.2	1.7	13.2	91.5	358.1	250.6	102.6	301.7	177.4	67.1	16.7	1,404
1981	1.9	33.2	8.5	24.3	170.6	473.2	186.5	362.4	383.6	200.8	7.7	11.5	1,864
1982	26.7	32.0	30.9	70.5	212.4	383.9	288.5	234.8	191.9	104.6	39.4	39.0	1,655
1983	20.7	0.7	6.8	8.7	64.9	235.1	236.1	181.5	136.8	183.2	69.8	27.5	1,172
1984	36.0	30.6	10.9	34.0	117.3	329.5	231.7	231.5	376.2	185.1	11.8	16.3	1,611
1985	14.3	2.1	25.8	107.4	114.2	101.4	158.7	150.9	277.3	153.2	38.1	22.8	1,166
1986	19.7	12.2	4.2	37.4	263.6	266.8	209.6	164.3	241.2	183.2	120.2	6.0	1,528
1987	10.1	1.0	23.6	22.2	158.0	208.0	299.9	200.4	285.0	8.7	27.5	67.9	1,312
1988	55.5	8.7	9.0	7.5	191.0	254.2	288.7	211.9	236.3	100.1	47.9	27.3	1,438
1989	20.7	10.0	9.3	4.0	266.7	101.8	144.8	260.1	298.5	88.3	100.5	6.0	1,311
Avg	21.0	13.2	11.7	47.9	161.9	248.2	205.5	200.2	254.4	146.2	58.9	24.1	1,393



Precipitation **SAN IGNACIO**

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	2.8	16.7	0.5	18.9	199.8	100.1	148.7	157.5	213.3	286.0	116.9	22.7	1,284
1972	n.a.	6.1	0.0	4.4	103.8	158.0	21.6	138.6	149.8	342.3	11.2	29.1	----
1973	0.9	5.7	2.7	3.3	133.1	87.0	92.0	106.1	160.8	363.1	73.2	33.1	1,061
1974	12.1	1.9	4.5	7.2	164.8	174.2	98.7	146.7	206.1	335.8	38.8	77.6	1,268
1975	69.1	6.5	56.0	0.0	73.2	14.4	121.2	130.2	398.7	256.6	123.5	22.5	1,212
1976	115.5	103.1	0.0	46.1	79.9	241.3	157.4	141.7	26.1	217.1	61.3	37.1	1,227
1977	0.1	0.0	0.0	67.0	218.7	92.3	64.2	35.0	69.2	59.8	50.8	48.6	706
1978	42.4	1.1	27.2	72.4	189.6	184.3	191.8	64.1	171.6	139.3	50.6	43.0	1,177
1979	22.6	4.0	31.1	205.2	94.5	211.3	98.3	35.0	308.8	236.9	57.6	51.6	1,357
1980	0.0	0.0	0.0	35.7	192.8	208.5	126.5	160.1	41.4	236.4	44.5	94.7	1,141
1981	0.0	37.2	9.7	18.7	102.8	170.6	150.8	215.7	127.9	114.4	29.6	42.1	1,020
1982	19.4	6.5	11.5	0.0	193.1	154.5	99.6	112.6	202.2	167.6	26.6	26.2	1,020
1983	2.2	17.4	8.3	18.4	64.2	197.6	157.2	141.3	133.6	238.7	89.5	18.4	1,087
1984	35.5	75.9	2.5	9.9	120.6	230.3	170.6	180.2	279.2	167.8	35.0	4.8	1,312
1985	24.9	5.7	4.3	29.7	23.7	110.6	90.7	104.0	70.8	162.2	11.7	57.1	695
1986	35.0	12.2	8.1	5.4	89.7	129.2	116.3	97.0	112.0	102.1	107.9	13.2	828
1987	9.3	4.9	42.3	7.4	94.3	88.7	201.4	114.3	64.8	121.0	42.8	76.2	867
1988	8.6	23.0	19.8	10.7	92.6	151.9	86.9	241.9	320.5	150.4	73.2	16.6	1,196
1989	27.8	7.1	0.0	34.9	128.9	75.1	114.2	187.5	335.9	163.3	n.a.	n.a.	----
1990	29.5	22.5	33.9	64.2	82.6	138.4	54.2	147.3	175.9	122.5	160.0	75.4	1,106
1991	14.5	1.4	7.2	6.7	141.1	81.4	44.3	30.3	194.2	348.3	118.0	22.4	1,010
AVG	23.6	17.1	12.8	31.7	123.0	142.8	114.6	128.0	176.3	206.3	66.1	40.6	1,083

Precipitation  
MARALE  
(unit : mm)

Precipitation  
MARALE

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	88.1	44.3	13.7	----
1972	14.3	12.7	0.0	9.4	68.9	95.4	96.3	138.9	173.3	135.1	41.8	37.4	824
1973	0.5	0.0	0.3	28.4	160.4	155.9	172.7	129.2	158.7	155.9	24.0	18.7	1,005
1974	15.0	7.2	14.2	3.5	80.5	84.9	144.8	132.6	402.8	179.4	35.0	10.3	1,110
1975	25.7	3.7	1.2	0.0	78.0	49.6	80.3	132.1	309.4	143.8	128.3	1.9	954
1976	21.9	16.8	0.0	87.4	156.5	364.5	98.6	142.9	130.1	163.0	51.6	39.7	1,273
1977	0.0	2.2	0.0	63.6	187.1	251.6	89.0	110.2	190.1	70.8	107.3	36.0	1,108
1978	21.5	3.4	52.8	51.0	216.3	135.0	171.7	98.7	248.2	192.7	52.0	54.4	1,303
1979	0.0	3.1	39.6	136.9	125.6	252.5	199.5	144.1	298.0	144.5	51.9	20.0	1,417
1980	25.9	4.4	0.8	7.1	159.5	181.4	128.8	150.9	208.9	111.7	52.1	14.2	1,047
1981	4.0	42.9	4.1	7.8	108.4	287.4	130.8	205.1	181.1	130.6	31.0	31.4	1,165
1982	6.3	25.5	12.7	10.6	131.1	171.8	110.1	131.2	161.6	76.9	13.4	23.8	875
1983	21.1	14.4	12.0	34.9	4.0	167.5	217.0	166.2	118.6	125.2	39.0	19.6	940
1984	16.7	47.5	13.1	17.8	72.1	264.7	189.0	124.8	390.4	232.1	11.3	4.2	1,384
1985	13.8	0.7	18.5	46.9	119.1	86.1	249.9	143.8	86.3	104.2	36.4	30.3	936
1986	20.7	9.8	0.6	15.9	150.8	143.3	114.5	199.2	301.0	129.5	77.9	15.9	1,179
1987	5.6	1.6	25.9	13.6	64.8	154.5	231.8	183.8	201.8	59.6	21.4	2.4	967
1988	23.1	11.7	4.5	59.6	125.7	218.7	170.2	244.5	193.9	151.1	82.7	n.a.	-----
1989	27.7	7.4	0.0	34.2	127.5	173.1	144.4	151.0	296.2	151.0	71.3	25.9	1,210
AVG	14.7	12.2	11.1	34.9	118.7	179.9	152.2	151.6	225.1	134.0	51.2	22.2	1,108

Precipitation PALMITAL

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	72.0	104.0	19.5	46.0	208.0	316.0	432.0	422.1	394.3	149.1	130.2	95.9	2,389
1972	77.5	75.0	19.3	28.0	130.8	178.3	199.4	184.6	181.0	147.3	148.4	183.0	1,553
1973	101.6	74.9	30.5	44.0	118.5	156.6	167.5	200.5	168.5	188.5	128.4	116.4	1,496
1974	157.0	109.2	57.3	184.8	364.1	841.6	430.9	787.5	718.2	565.9	163.6	108.8	4,489
1975	314.2	37.8	8.6	0.0	638.4	n.a.	234.8	380.2	370.2	641.7	925.4	713.4	-----
1976	784.7	171.9	67.3	142.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1977	357.5	340.1	2.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1978	199.5	n.a.	182.7	287.7	240.6	561.6	485.8	288.0	383.8	397.3	200.2	208.2	-----
1979	n.a.	38.4	180.4	373.4	446.1	561.7	459.5	522.8	349.7	222.2	n.a.	508.0	-----
1980	325.5	n.a.	n.a.	234.6	296.9	411.2	509.8	406.6	712.7	489.6	624.6	475.8	-----
1981	456.6	285.1	n.a.	322.1	564.3	1028.2	910.9	807.6	827.4	1032.0	n.a.	285.1	-----
1982	125.8	52.3	61.7	12.9	270.8	330.5	220.5	262.7	394.7	186.7	59.3	68.6	2,047
1983	58.1	24.9	17.3	129.9	62.0	208.6	468.7	292.4	246.5	182.9	83.2	110.0	1,886
1984	64.6	55.9	39.5	8.5	49.9	272.0	420.0	431.0	519.4	120.0	46.9	66.4	2,094
1985	59.2	25.4	22.5	50.0	180.3	183.0	306.1	378.5	239.5	327.7	80.6	106.0	1,959
1986	67.0	16.9	26.4	156.7	155.9	322.9	335.1	246.9	301.5	207.6	145.5	44.4	2,027
1987	52.6	7.6	36.7	25.3	70.8	614.0	314.7	347.2	273.5	44.9	113.5	500.0	2,401
1988	325.8	122.9	20.2	32.6	140.2	334.1	476.1	277.1	436.1	214.6	54.5	91.3	2,526
1989	87.6	42.6	9.3	58.1	279.6	161.6	211.2	436.8	82.4	186.2	203.5	134.2	1,893
1990	55.7	13.4	75.5	116.7	208.4	265.9	268.0	267.5	537.0	110.0	226.1	48.6	2,193
1991	37.4	7.7	19.7	30.0	80.2	365.8	221.8	169.2	227.7	280.9	104.1	97.7	1,642
AVG	189.0	84.5	47.2	114.2	237.1	395.2	372.3	374.2	387.6	299.7	202.2	208.5	2,912

Precipitation	SANTA FE DE TEGUCIGALPITA												(unit : mm)	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.		Total
1970	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1971	45.9	33.3	50.5	3.1	132.7	268.2	395.0	327.3	237.3	238.0	90.0	68.6	89.0	1,910
1972	n.a.	21.3	33.6	63.9	181.6	n.a.	288.6	237.0	273.4	207.9	27.6	57.6	---	---
1973	76.7	0.3	19.9	54.0	236.8	181.4	163.8	124.4	169.5	59.2	104.8	25.0	---	1,216
1974	48.1	n.a.	n.a.	53.5	63.1	n.a.	117.0	79.2	81.9	86.3	22.1	5.2	---	---
1975	30.6	n.a.	14.1	2.5	40.6	40.9	73.3	92.6	95.3	n.a.	145.7	85.9	---	---
1976	64.5	46.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	70.5	103.6	n.a.	---	---
1977	n.a.	n.a.	n.a.	54.4	248.2	267.6	230.5	343.5	297.9	150.5	164.5	111.8	---	---
1978	125.4	25.9	70.0	56.2	232.9	338.9	617.4	333.3	632.3	208.9	103.4	131.0	---	2,876
1979	47.0	22.4	36.3	135.5	267.4	486.0	385.2	531.0	376.5	256.2	188.0	39.1	---	2,771
1980	33.8	30.6	13.4	6.8	52.2	403.3	603.2	555.7	365.8	381.5	182.1	51.5	---	2,680
1981	25.3	59.0	7.9	4.3	111.1	688.2	287.6	569.6	529.3	542.2	212.7	48.0	---	3,085
1982	66.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---	---
AVE	56.3	29.8	30.7	43.9	156.7	334.3	316.2	319.4	305.9	220.1	122.2	64.8	---	2,000

TALANGA													
Precipitation (unit : mm)													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	n.a.	65.4	28.2	89.8	121.5	276.1	107.0	74.4	122.5	181.3	26.7	111.0	----
1982	8.8	14.9	20.0	7.9	171.0	210.4	64.9	58.8	134.1	92.7	58.4	13.0	853
1983	19.3	16.0	10.5	25.7	44.2	195.9	130.3	98.6	138.5	149.8	83.2	30.6	943
1984	34.2	59.8	30.5	27.1	178.6	152.3	294.4	96.1	204.7	139.3	23.8	29.3	1,270
1985	28.5	46.6	16.5	21.5	132.0	84.8	109.6	35.6	140.0	197.0	35.7	117.0	965
1986	30.1	28.2	0.5	35.9	173.3	121.8	78.6	79.0	150.9	113.5	85.3	19.0	911
1987	2.1	2.3	42.5	58.0	169.6	137.1	133.8	64.0	77.9	119.9	21.0	n.a.	----
1988	20.3	35.5	39.0	18.2	201.3	148.0	82.4	272.0	245.5	164.8	66.4	23.7	1,317
1989	40.1	0.0	8.0	13.9	122.9	85.9	58.2	105.3	294.8	79.1	98.7	0.0	907
Avg	22.9	29.9	21.7	33.1	146.0	156.9	117.1	98.0	167.7	137.5	55.5	43.0	1,029

PUEBLO NUEVO													
Precipitation (unit : mm)													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1985	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	254.9	244.5	293.1	50.1	65.0	----
1986	39.2	10.8	7.4	31.0	97.3	228.5	288.1	328.2	276.3	173.2	148.6	8.5	1,687
1987	n.a.	n.a.	n.a.	n.a.	119.5	510.7	449.5	235.7	n.a.	n.a.	n.a.	n.a.	----
1988	34.5	47.5	9.1	5.1	100.6	610.9	406.5	294.1	326.5	172.8	82.5	43.9	2,134
1989	79.8	31.2	0.3	46.7	210.7	145.7	223.8	409.0	210.4	168.9	170.7	38.8	1,786
1990	49.9	10.6	12.9	109.2	183.0	395.9	292.5	313.2	409.5	207.4	189.9	45.8	2,220
1991	30.1	2.3	8.1	34.3	53.1	330.8	259.7	210.5	266.7	214.5	91.2	78.3	1,580
Avg	46.7	20.5	7.6	45.3	127.4	370.4	320.0	292.2	289.0	205.0	122.2	46.7	1,893

TEGUCIGALPA TONCONTIN

Average Temperature

(unit : °C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1951	18.8	18.6	20.4	21.5	23.1	21.8	22.1	22.2	21.6	20.1	19.9	19.4	20.8
1952	19.6	19.9	22.4	22.7	22.8	22.0	21.8	21.7	22.0	19.7	19.7	18.8	21.1
1953	18.6	20.0	21.3	23.7	23.1	22.7	22.1	22.3	22.3	21.3	19.9	19.7	21.4
1954	19.8	20.0	21.9	22.7	22.4	21.4	21.3	21.9	21.4	19.8	19.5	18.3	20.9
1955	18.7	19.7	20.5	22.6	22.7	22.4	20.9	21.6	21.6	20.6	20.0	18.7	20.8
1956	16.8	19.8	21.6	23.0	22.7	21.3	21.1	22.0	21.4	21.4	19.3	19.2	20.8
1957	19.2	20.4	22.3	23.0	23.2	22.8	21.9	22.2	21.9	21.2	20.7	19.2	21.5
1958	19.6	20.3	23.7	24.5	23.8	22.8	22.2	22.2	22.6	21.8	21.2	19.9	22.1
1959	19.9	20.8	22.2	23.4	23.2	22.6	22.1	21.9	22.0	22.2	20.4	19.2	21.7
1960	19.4	21.2	21.8	22.7	23.4	22.2	21.6	21.7	21.7	21.4	20.7	18.4	21.3
1961	19.4	19.4	21.7	23.3	23.1	22.1	21.7	22.3	21.7	21.3	20.5	19.9	21.4
1962	18.8	19.9	22.2	23.0	21.8	22.1	21.7	21.9	21.9	21.3	19.5	19.2	21.1
1963	19.2	20.4	21.6	22.3	22.6	22.1	21.6	22.2	22.0	21.5	19.8	18.8	21.2
1964	19.1	21.0	22.6	23.8	23.2	21.6	21.6	22.3	22.0	20.3	20.1	19.4	21.4
1965	18.8	20.5	21.5	22.6	23.8	22.5	22.1	22.0	22.5	21.4	20.9	20.0	21.6
1966	19.9	21.1	21.5	23.7	23.4	22.5	22.5	22.3	22.4	21.6	19.0	19.1	21.6
1967	19.3	20.3	21.1	22.2	23.2	22.6	21.8	22.2	21.9	21.5	20.7	20.3	21.4
1968	19.4	19.5	20.4	22.8	22.9	22.1	22.0	22.2	22.0	21.3	20.1	19.5	21.2
1969	19.5	21.1	23.2	24.5	23.8	22.8	22.4	22.5	22.0	22.1	20.4	19.5	22.0
1970	19.8	19.6	22.5	23.5	22.7	22.5	21.9	22.0	21.5	21.9	19.0	19.3	21.4
1971	19.1	19.8	21.4	21.9	23.4	22.2	21.7	22.0	21.8	21.6	20.0	19.5	21.2
1972	n.a.	19.8	21.8	23.8	23.5	22.9	22.7	22.2	22.5	22.0	21.5	20.5	---
1973	20.1	21.0	24.0	24.6	23.8	22.8	22.3	22.3	22.3	21.9	20.8	17.9	22.0
1974	19.3	19.3	21.7	22.9	23.2	22.3	21.8	22.2	21.8	20.4	19.7	19.4	21.2
1975	19.5	19.9	22.3	23.4	23.8	23.5	22.2	22.1	21.5	21.1	20.3	18.3	21.5
1976	18.1	18.8	21.5	23.0	23.5	22.1	22.0	22.6	22.8	21.6	20.3	19.9	21.4
1977	19.2	20.7	22.8	22.9	23.8	22.2	22.3	23.1	23.0	22.4	20.9	20.6	22.0
1978	19.4	21.1	22.5	24.0	24.2	22.6	22.0	22.7	22.4	21.9	21.7	20.3	22.1
1979	20.1	21.0	22.9	24.0	24.2	22.7	22.9	22.6	22.5	22.3	20.7	20.1	22.2
1980	20.5	21.0	23.0	23.7	25.1	23.3	23.0	23.2	22.6	22.2	20.9	18.8	22.3

(unit : °C)

TEGUCIGALPA TONCONTIN

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1981	19.1	20.6	23.0	23.4	23.8	22.9	22.7	22.7	22.6	22.1	20.0	20.1	21.9
1982	20.4	21.3	22.2	24.1	24.0	23.0	22.1	22.9	22.3	21.4	20.5	20.4	22.1
1983	20.7	22.2	23.7	24.7	25.8	24.0	22.9	23.1	22.9	21.9	21.2	20.2	22.8
1984	19.0	20.1	22.0	23.7	23.8	22.3	21.4	21.3	21.4	21.3	19.3	19.4	21.3
1985	18.7	19.9	22.0	22.9	22.8	22.1	21.9	22.2	22.2	21.2	20.6	20.2	21.4
1986	18.7	20.7	20.4	23.1	23.3	22.1	21.6	22.4	21.6	21.3	20.7	20.0	21.3
1987	19.1	21.1	23.3	23.2	23.5	23.3	21.7	22.3	22.4	21.0	21.0	21.1	21.9
1988	20.5	21.3	22.1	23.4	23.3	22.4	22.0	21.9	21.5	21.0	20.8	18.9	21.6
1989	19.6	20.0	21.1	23.2	23.0	22.4	22.1	22.3	21.8	21.2	21.3	19.1	21.4
1990	20.1	20.7	21.6	23.7	24.4	23.4	22.8	23.4	23.2	22.3	20.2	20.4	22.2
AVG	19.4	20.3	22.0	23.3	23.4	22.5	22.0	22.3	22.1	21.4	20.3	19.5	21.5

(unit : °C)

EL CAJON

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1981	n.a.	n.a.	n.a.	n.a.	29.9	28.0	27.4	27.3	26.9	26.1	26.4	24.4	---
1982	25.2	26.4	27.4	28.8	28.3	27.6	25.9	26.2	26.7	25.8	24.8	24.9	26.5
1983	24.4	26.1	29.2	30.0	30.4	29.2	26.7	27.1	27.6	26.5	26.1	25.1	27.4
1984	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	26.7	27.0	26.8	24.1	24.3	---
1985	24.2	25.7	27.7	28.5	28.7	27.9	26.5	26.8	26.8	26.1	25.2	24.7	26.6
1986	22.8	25.9	n.a.	27.4	28.9	27.7	26.1	26.7	26.4	25.6	25.2	24.6	---
1987	23.1	25.5	28.4	26.7	n.a.	n.a.	26.4	26.6	28.3	24.3	24.5	24.9	---
1988	23.8	22.4	23.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	23.9	25.2	22.6	---
1989	23.7	23.9	25.7	27.7	28.7	27.9	27.1	27.1	26.6	25.5	25.8	24.6	26.2
1990	24.7	25.7	26.5	28.2	28.7	26.9	26.4	26.4	26.4	25.8	24.0	24.2	26.2
1991	25.2	25.5	28.5	30.3	29.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	24.1	25.2	27.2	28.5	29.2	27.9	26.6	26.8	27.0	25.6	24.8	24.4	26.4



(unit : °C)

VICTORIA

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1968	23.0	22.7	25.2	26.9	27.9	27.0	26.3	26.6	26.3	25.2	24.3	23.2	25.4
1969	23.4	25.2	28.0	29.1	28.8	27.2	27.0	27.3	27.0	26.4	23.3	22.8	26.3
1970	22.9	23.0	27.1	28.9	n.a.	27.7	25.9	25.9	25.6	26.0	21.9	22.7	---
1971	22.8	23.5	25.1	25.6	n.a.	25.6	25.4	25.6	26.1	25.6	23.7	23.4	---
1972	23.7	23.8	26.1	28.4	28.4	27.3	26.5	n.a.	n.a.	n.a.	25.7	n.a.	---
1973	n.a.	n.a.	n.a.	n.a.	27.4	27.0	26.2	26.8	27.0	25.7	24.7	21.8	---
1974	24.5	24.4	26.7	28.1	28.5	27.7	26.2	26.4	26.3	23.9	23.4	23.1	25.8
1975	24.0	25.5	28.4	29.6	30.2	28.8	27.1	25.9	25.9	25.1	23.8	22.0	26.4
1976	21.7	22.7	27.0	27.7	28.4	26.3	26.0	n.a.	26.0	25.5	23.6	23.7	---
1977	23.1	25.2	28.3	27.2	27.2	26.2	26.3	27.0	26.8	26.0	24.5	24.5	26.0
1978	23.0	24.9	26.5	28.7	29.4	26.6	25.7	26.2	26.1	24.4	24.2	23.5	25.8
1979	23.5	n.a.	n.a.	28.9	27.9	26.7	27.0	26.4	25.9	25.4	n.a.	n.a.	---
1980	n.a.	n.a.	29.8	28.1	29.6	26.9	26.9	26.7	26.3	25.5	24.1	n.a.	---
1981	22.6	24.2	27.9	28.1	29.5	27.2	26.2	26.0	26.1	26.0	23.2	24.1	25.9
1982	25.3	25.7	26.6	28.9	28.2	26.9	25.6	25.6	25.9	25.4	24.1	24.1	26.0
1983	24.0	25.8	28.2	29.2	30.3	28.3	26.9	26.8	26.8	25.6	25.6	24.5	26.8
1984	22.6	24.3	26.6	29.6	29.1	26.9	26.1	26.0	26.0	26.0	23.8	22.9	25.8
1985	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1986	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1987	22.7	25.5	28.3	27.6	28.5	27.6	26.0	26.7	27.1	24.1	24.8	25.0	26.2
1988	24.1	24.9	26.8	29.7	29.3	27.5	26.4	26.6	26.1	24.9	25.4	22.6	26.2
1989	23.7	23.2	25.8	28.3	27.7	27.5	26.3	27.1	26.5	25.1	25.3	22.9	25.8
Avg	23.4	24.4	27.1	28.3	28.7	27.1	26.3	26.4	26.3	25.4	24.2	23.3	25.9

EL TALADRO

Average Temperature

(unit : °C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1959	23.5	n.a.	26.3	27.2	26.9	26.3	26.4	25.7	26.0	25.7	24.3	21.9	---
1960	n.a.	25.1	25.0	26.4	27.4	n.a.	25.7	26.1	n.a.	n.a.	23.9	21.7	---
1961	23.4	23.7	24.6	24.6	25.6	24.8	25.0	n.a.	23.2	23.9	23.6	n.a.	---
1962	21.8	n.a.	23.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	20.8	21.0	21.5	---
1964	n.a.	23.4	25.2	23.8	23.3	22.2	22.0	22.2	22.0	19.9	n.a.	22.2	---
1965	23.7	24.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1966	n.a.	24.0	24.8	26.9	26.6	25.2	25.7	25.6	25.7	24.7	21.9	21.2	---
1967	22.6	23.4	24.7	26.0	27.5	26.0	25.8	26.1	25.9	25.2	23.6	24.5	25.1
1968	23.4	22.8	24.7	26.5	27.2	25.8	26.7	25.2	25.4	24.8	23.6	22.9	24.9
1969	23.1	24.3	26.9	28.2	27.5	26.1	25.8	25.6	25.5	25.4	23.8	23.3	25.5
1970	23.4	23.1	25.6	27.9	26.5	26.1	25.5	25.6	25.2	25.5	22.4	23.0	25.0
1971	23.1	23.8	25.8	25.8	27.2	27.3	25.6	26.3	25.7	21.5	n.a.	n.a.	---
AVG	23.1	23.8	25.2	26.3	26.6	25.5	25.4	25.4	25.0	23.7	23.1	22.5	24.6

## Average Temperature

## FLORES

(unit : °C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Av.
1958	22.0	23.1	24.5	25.5	25.6	25.0	25.5	24.6	25.1	24.6	23.3	22.7	24.3
1959	21.6	n.a.	25.7	26.6	26.7	25.4	25.3	25.2	25.3	25.0	22.9	21.4	---
1960	22.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1961	n.a.	n.a.	n.a.	n.a.	n.a.	24.5	24.5	25.0	24.6	24.5	21.4	21.3	---
1962	21.0	23.2	n.a.	n.a.	n.a.	25.2	24.7	25.0	24.8	23.7	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	22.6	21.1	---
1964	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1966	20.9	21.7	21.9	24.8	25.2	24.8	24.4	24.2	23.7	24.0	22.7	22.6	23.4
1967	22.3	22.3	22.6	21.1	22.2	24.3	24.4	25.1	25.1	24.2	22.6	22.9	23.3
1968	21.6	20.9	21.8	23.1	24.1	23.6	24.0	23.8	23.0	22.8	22.6	21.3	22.7
1969	21.7	22.1	23.9	24.4	25.2	24.2	23.3	23.2	22.8	23.3	22.5	22.1	23.2
1970	22.0	21.3	23.5	24.0	23.2	22.8	22.2	22.2	22.5	21.9	20.4	21.1	22.3
1971	20.4	21.2	22.2	23.3	23.1	22.2	22.2	n.a.	24.7	23.5	21.7	22.5	---
1972	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1973	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1974	n.a.	n.a.	n.a.	n.a.	n.a.	25.2	25.3	25.3	23.7	22.2	21.7	22.0	---
1975	22.6	23.8	26.1	26.8	26.9	25.9	25.1	24.7	23.6	23.3	22.3	21.2	24.4
1976	21.1	21.3	25.4	25.5	25.8	24.3	25.2	25.1	25.3	24.0	22.7	22.8	24.0
1977	22.2	23.6	26.3	25.2	25.4	24.8	25.4	26.0	25.6	24.7	23.6	23.6	24.7
1978	22.4	23.8	25.2	27.1	27.0	25.1	24.6	25.1	24.6	23.8	23.8	23.2	24.6
1979	22.8	23.5	25.7	27.2	26.4	25.1	25.4	24.9	24.4	24.3	23.2	22.7	24.6
1980	23.7	24.4	26.4	26.0	27.6	25.7	25.4	25.1	24.6	24.3	23.0	21.2	24.8
1981	21.5	23.3	25.6	26.2	27.0	25.4	25.0	25.1	24.6	24.1	22.4	23.1	24.4
1982	23.9	24.7	25.5	27.1	26.0	25.5	25.6	25.8	25.3	24.2	23.4	23.2	25.0
1983	23.2	24.8	26.3	27.1	28.5	26.3	26.0	25.9	25.0	24.5	24.2	23.2	25.4
1984	21.8	23.4	25.5	27.5	26.9	25.5	24.5	24.5	24.3	24.5	22.4	23.0	24.5
1985	22.2	23.5	25.8	26.7	26.3	25.6	25.3	25.2	25.2	24.8	23.9	23.3	24.8
1986	22.0	24.2	23.6	27.9	26.7	25.7	25.4	26.1	25.1	24.3	24.1	23.4	24.9
1987	22.1	24.6	26.6	26.2	26.7	26.2	25.2	25.7	25.6	23.4	23.7	23.9	25.0
1988	23.3	24.3	25.7	28.0	27.7	25.5	25.2	24.7	24.5	23.8	24.3	22.1	24.9
1989	23.4	22.9	24.6	27.0	26.6	25.6	25.6	25.2	24.7	23.8	24.8	22.2	24.7
AVG	22.2	23.1	24.8	25.8	25.9	25.0	24.8	24.9	24.5	23.9	22.9	22.4	24.2

(unit : °C)

EL COYLAR

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	23.8	21.4	21.4	---
1964	23.8	24.0	25.7	26.5	25.0	24.3	24.0	24.5	24.0	22.8	22.4	21.9	24.2
1965	20.8	23.1	24.3	25.3	25.6	24.7	24.7	24.6	24.5	23.2	22.6	22.5	23.8
1966	22.0	23.6	23.5	26.1	25.3	24.3	24.7	24.7	24.3	23.6	20.4	20.6	23.6
1967	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1968	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1969	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1970	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1971	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1972	21.8	21.9	24.6	26.4	26.0	n.a.	n.a.	25.0	24.6	23.5	24.2	22.2	---
1973	21.7	22.7	26.7	n.a.	25.8	24.6	24.3	24.3	24.0	23.0	22.5	19.7	---
1974	22.1	22.0	24.8	25.7	25.3	23.9	24.6	24.9	23.2	21.3	21.1	20.9	23.3
1975	21.8	23.0	25.0	26.7	26.5	25.5	24.9	24.6	22.8	22.3	21.0	20.0	23.7
1976	20.0	20.6	24.6	24.9	25.2	23.5	24.6	24.8	24.5	22.8	21.5	21.5	23.2
1977	21.4	22.0	25.8	24.4	25.0	24.0	25.1	25.5	24.9	23.3	22.2	n.a.	---
1978	n.a.	22.6	24.0	26.2	26.1	24.4	23.8	24.6	23.5	22.5	22.3	21.9	---
1979	21.7	22.4	24.5	25.8	25.1	23.9	24.6	24.1	23.1	23.0	21.5	21.0	23.4
1980	22.3	22.8	25.4	25.2	26.6	24.6	24.8	24.4	23.6	22.7	21.5	19.4	23.6
1981	20.1	21.8	24.5	24.9	25.9	23.8	24.5	24.0	23.3	22.5	20.6	21.2	23.1
1982	22.1	23.3	24.8	26.4	24.9	24.4	24.3	24.7	24.0	22.8	21.9	21.8	23.8
1983	21.6	23.7	25.3	25.9	28.4	24.9	24.6	24.9	23.9	22.8	22.5	21.5	24.2
1984	20.1	22.0	24.0	26.0	25.4	24.2	23.3	23.6	22.7	23.1	20.5	21.0	23.0
1985	20.4	22.0	23.5	25.8	25.1	24.3	24.3	24.0	23.9	22.9	22.0	21.5	23.3
1986	20.2	22.0	22.3	25.0	25.1	24.2	24.0	24.5	23.4	22.6	22.3	21.4	23.1
1987	20.5	23.1	26.6	24.7	25.4	25.0	23.9	24.8	24.3	22.0	22.1	22.6	23.8
1988	21.7	22.5	24.1	26.0	26.1	24.1	24.0	23.2	23.0	21.9	22.3	19.9	23.2
1989	21.3	20.5	22.9	25.6	25.4	24.6	24.6	24.0	23.2	22.4	22.9	20.6	23.2
AVG	21.4	22.5	24.6	25.7	25.7	24.4	24.4	24.5	23.7	22.8	21.9	21.2	23.5

(unit : °C)

COMAYAGUA

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1956	18.9	21.4	23.1	24.5	24.0	23.1	23.3	24.0	22.8	21.4	19.2	20.8	22.2
1957	19.2	20.7	22.6	25.3	24.8	24.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1958	18.7	20.5	n.a.	n.a.	25.1	23.9	24.0	n.a.	24.0	23.1	23.0	22.6	---
1959	21.2	21.9	24.3	25.7	27.3	25.6	26.1	26.0	n.a.	26.5	24.8	23.1	---
1960	n.a.	26.1	25.6	26.1	29.1	27.0	26.9	27.6	26.5	n.a.	25.5	22.7	---
1961	29.9	24.3	25.5	26.7	28.5	27.0	26.6	n.a.	25.8	25.6	25.4	25.1	---
1965	n.a.	22.4	24.0	25.1	26.4	n.a.	n.a.	25.4	24.8	24.1	25.4	24.5	---
1966	24.2	25.2	26.6	n.a.	n.a.	n.a.	26.2	26.5	26.5	26.4	25.6	25.5	---
1967	n.a.	n.a.	n.a.	25.4	27.2	25.9	26.3	26.7	26.6	27.3	25.7	26.3	---
1968	22.3	22.1	n.a.	n.a.	n.a.	25.6	25.1	25.2	24.9	23.4	20.2	22.4	---
1969	24.5	23.2	n.a.	26.9	27.3	26.0	24.7	25.7	25.5	25.4	23.3	22.2	---
1970	21.2	21.7	24.6	26.1	n.a.	25.6	24.6	25.4	25.1	25.0	21.9	22.6	---
1971	n.a.	n.a.	22.9	24.2	25.9	24.8	24.0	24.7	24.6	24.3	21.9	21.8	---
AVG	22.2	22.7	24.4	25.6	26.6	25.4	25.3	25.7	25.2	24.8	23.5	23.3	24.5

(unit : °C)

SANTA CLARA

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1967	n.a.	n.a.	n.a.	n.a.	n.a.	23.9	23.1	23.4	23.6	22.1	21.6	21.7	---
1968	21.2	21.3	22.6	24.7	24.4	23.3	22.6	22.4	21.7	21.8	20.2	18.9	22.1
1969	18.5	21.2	22.3	23.1	22.9	21.4	21.5	21.5	21.0	21.9	19.2	18.6	21.1
1970	n.a.	18.2	21.1	22.8	21.5	21.6	21.1	21.1	20.5	21.2	18.2	17.8	---
1971	19.2	21.3	21.5	21.1	23.5	22.0	21.3	21.1	19.8	19.6	17.8	16.8	20.4
1972	n.a.	n.a.	n.a.	26.0	25.2	25.0	24.4	23.2	23.5	23.3	22.8	21.2	---
1973	20.9	22.6	26.7	27.4	26.2	24.7	23.6	24.2	24.2	23.5	22.2	19.3	23.8
1974	20.6	21.5	24.6	25.7	25.8	24.3	23.2	23.8	23.9	21.9	21.6	20.4	23.1
1975	20.7	21.5	24.3	26.2	26.8	25.5	24.0	24.0	23.2	22.8	21.7	19.9	23.4
1976	19.9	20.3	24.5	25.3	25.9	23.9	23.5	24.4	24.6	23.7	22.6	21.8	23.4
1977	21.4	23.8	25.6	25.8	25.0	23.8	23.9	24.7	25.1	23.5	22.8	22.4	24.0
1978	20.8	22.4	23.9	26.5	26.7	24.5	23.6	24.2	24.2	23.7	22.7	21.6	23.7
1979	21.6	22.6	24.7	26.1	25.5	24.1	24.3	23.9	24.0	23.7	22.5	21.8	23.7
1980	21.8	22.6	24.9	25.8	27.5	24.8	24.2	24.6	24.1	23.6	22.1	20.1	23.8
1981	20.4	22.4	24.4	24.4	26.1	24.4	24.0	24.2	24.0	23.7	21.6	21.4	23.4
1982	21.8	22.7	24.3	26.6	25.7	24.8	23.4	24.2	23.9	23.1	22.1	21.6	23.7
1983	22.0	23.7	26.0	27.2	26.5	26.3	24.0	24.4	24.7	23.4	22.9	21.9	24.4
1984	20.8	22.0	23.6	26.4	26.5	24.5	23.9	23.6	24.1	23.4	21.4	20.8	23.4
1985	20.5	21.8	24.5	25.7	25.2	24.2	24.0	24.1	24.3	23.0	22.7	21.9	23.5
1986	20.4	22.6	23.2	25.9	25.5	24.1	23.5	24.2	23.8	23.4	22.7	21.6	23.4
1987	20.7	23.6	25.5	25.2	25.6	25.5	23.5	24.3	24.6	22.7	22.6	22.5	23.9
1988	22.5	22.5	23.6	25.8	26.2	24.7	23.9	24.1	24.0	23.0	23.0	20.5	23.7
1989	21.4	21.3	22.8	25.1	24.5	23.9	29.7	24.4	23.5	22.8	22.7	20.8	23.6
AVG	20.9	22.0	24.0	25.4	25.4	24.1	23.7	23.7	23.5	22.8	21.7	20.7	23.2

(unit : °C)

LA ERMITA

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1969	n.a.	n.a.	n.a.	n.a.	n.a.	23.8	23.7	23.3	23.1	23.4	20.9	20.2	---
1970	20.8	21.5	24.4	26.2	25.1	24.3	24.0	23.9	23.7	23.6	20.9	20.3	23.2
1971	20.3	21.7	23.2	23.9	25.9	24.2	24.3	24.0	23.7	22.2	21.7	20.7	23.0
1972	20.9	22.2	24.2	26.5	26.3	25.5	24.9	24.1	24.1	23.7	23.1	22.0	24.0
1973	21.6	22.6	26.3	27.3	n.a.	24.7	n.a.	n.a.	n.a.	23.5	22.2	19.2	---
1974	21.1	21.2	24.0	25.2	25.6	24.3	23.2	23.9	23.3	21.5	21.1	20.3	22.9
1975	20.9	21.3	24.1	25.8	25.7	25.2	23.4	23.2	22.7	22.4	21.3	19.9	23.0
1976	20.0	20.4	23.6	24.7	25.0	23.1	23.0	24.1	24.1	22.9	21.3	21.6	22.8
1977	20.3	22.2	24.7	24.5	24.4	22.8	23.1	24.1	24.3	23.1	22.3	21.8	23.1
1978	20.5	22.5	24.4	26.1	25.8	24.1	23.4	24.3	24.2	23.5	22.8	21.3	23.7
1979	21.3	22.2	24.6	25.5	25.1	23.7	23.6	23.6	23.7	23.6	21.9	21.2	23.3
1980	21.6	22.2	24.8	26.0	27.0	24.4	24.0	24.1	24.2	23.6	22.0	19.6	23.6
1981	20.2	21.7	24.4	24.4	26.4	24.2	23.7	24.0	23.9	23.6	21.1	21.2	23.2
1982	21.5	22.8	24.1	26.3	25.5	24.3	23.1	24.3	24.1	22.9	21.8	21.3	23.5
1983	22.1	23.8	26.1	26.9	28.2	26.0	23.6	24.2	24.5	23.4	22.7	21.6	24.4
1984	20.3	21.6	24.0	25.7	26.9	24.2	23.1	23.2	23.4	23.0	21.2	20.9	23.2
1985	20.4	21.6	24.0	25.7	26.3	24.7	23.6	24.7	24.6	23.3	22.4	21.2	23.5
1986	19.9	22.5	22.8	25.8	26.2	24.0	23.1	24.3	23.7	23.5	23.0	21.6	23.4
1987	20.1	23.2	25.5	25.0	25.9	25.6	23.5	24.4	24.9	22.4	22.7	n.a.	---
1988	21.7	22.7	24.0	26.4	26.4	25.0	24.0	24.4	23.8	22.8	23.4	n.a.	---
1989	n.a.	20.5	23.2	25.8	25.4	24.7	24.2	24.6	24.1	23.3	23.0	20.7	---
AVG	20.8	22.0	24.3	25.7	26.0	24.4	23.6	24.0	23.9	23.1	22.0	20.9	23.4

(unit : °C)

AGUA CALIENTE

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1969	n.a.	n.a.	n.a.	n.a.	n.a.	25.5	24.8	25.1	24.9	22.5	25.2	22.2	---
1970	22.4	22.4	25.5	27.6	27.2	25.4	24.5	24.7	24.5	25.2	21.7	21.8	24.4
1971	22.3	23.1	24.8	25.4	27.2	25.0	24.3	24.8	25.0	24.6	23.0	22.7	24.4
1972	22.7	23.4	25.2	27.5	27.2	26.5	25.9	24.8	25.4	n.a.	24.6	23.5	---
1973	23.1	24.0	28.4	n.a.	28.0	26.0	25.3	25.6	25.7	25.2	23.9	21.2	---
1974	23.3	23.2	26.5	26.9	27.3	26.7	25.4	n.a.	25.2	23.2	22.6	23.0	---
1975	23.6	23.2	26.7	27.4	27.5	26.9	25.4	25.0	24.7	23.9	23.3	21.6	24.9
1976	21.8	21.7	n.a.	26.7	27.7	25.1	24.8	25.1	25.2	n.a.	22.9	23.0	---
1977	22.2	24.4	27.2	26.9	26.2	25.0	24.8	25.8	25.8	25.0	23.9	24.0	25.1
1978	22.8	24.3	25.0	27.2	27.5	25.4	24.5	25.0	25.2	24.2	24.2	22.9	24.9
1979	24.0	23.8	26.5	27.3	27.0	25.4	25.8	25.1	25.7	25.1	23.7	23.1	25.2
1980	23.9	24.5	26.6	27.5	28.8	25.8	25.3	25.9	25.5	24.6	23.7	22.0	25.3
1981	22.6	23.6	26.7	26.4	28.4	25.6	25.1	25.1	25.6	25.1	22.6	23.5	25.0
1982	23.8	25.4	26.0	28.3	27.0	25.6	24.5	25.0	25.2	24.2	23.3	22.8	25.1
1983	23.1	25.0	27.6	28.2	30.0	27.3	25.0	25.5	25.5	24.8	24.3	23.4	25.8
1984	21.8	23.5	25.9	28.4	27.6	25.6	24.7	24.7	25.0	24.9	22.9	22.5	24.8
1985	22.5	23.6	25.9	27.1	27.2	25.9	24.9	25.2	25.4	24.8	24.0	23.2	25.0
1986	22.0	24.1	23.7	26.8	27.2	25.5	24.2	25.4	24.9	24.5	24.1	22.9	24.6
1987	21.9	24.6	27.5	27.0	27.0	26.4	24.8	25.2	25.9	23.5	23.9	24.0	25.1
1988	23.2	23.8	25.9	28.4	28.2	26.3	25.0	25.5	24.8	24.1	24.2	21.8	25.1
1989	22.9	22.2	25.0	27.7	26.4	26.1	25.2	25.6	25.3	24.4	24.2	22.1	24.8
AVG	22.8	23.7	26.1	27.3	27.5	25.9	25.0	25.2	25.3	24.4	23.6	22.7	25.0



(unit : °C)

PLAYITAS

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1970	23.2	22.6	26.5	28.1	26.4	25.9	24.5	25.0	24.4	24.4	21.2	22.1	24.5
1971	22.5	23.7	25.0	25.2	26.6	25.6	25.0	24.5	24.5	24.6	23.1	23.2	24.5
1972	23.3	23.4	25.4	27.5	26.9	25.8	26.0	25.3	25.5	24.9	24.5	23.1	25.1
1973	22.9	23.5	28.1	27.2	25.8	n.a.	24.7	25.4	24.9	24.2	23.6	20.4	---
1974	23.2	23.4	26.0	27.1	27.0	25.4	24.8	25.4	24.4	22.6	22.1	22.1	24.5
1975	22.8	24.4	26.9	27.9	27.7	26.5	25.8	25.4	24.0	23.6	22.3	n.a.	---
1976	20.5	22.0	25.4	25.0	25.3	n.a.	24.6	25.2	25.4	24.8	22.8	23.0	---
1977	22.9	24.0	27.0	25.9	25.9	25.3	n.a.	26.5	25.7	24.9	23.7	23.4	---
1978	22.2	23.9	25.7	27.7	27.7	25.7	24.7	25.3	25.1	24.3	24.1	23.7	25.0
1979	23.3	23.8	26.0	27.4	26.8	25.4	26.1	25.7	24.7	24.6	23.2	22.8	25.0
1980	24.1	24.4	26.6	26.1	28.2	25.7	25.6	25.8	25.4	24.3	22.8	21.2	25.0
1981	21.7	23.3	26.4	26.4	27.5	25.6	25.6	25.5	25.0	24.2	22.4	23.0	24.7
1982	24.1	24.8	25.6	27.7	26.3	25.9	25.4	25.5	25.2	23.9	22.9	23.1	25.0
1983	23.1	24.7	27.0	27.9	29.6	26.9	25.6	26.3	24.4	24.4	24.0	23.0	25.6
1984	21.7	23.7	25.8	28.3	27.4	25.9	25.0	24.8	24.6	24.7	22.5	23.0	24.8
1985	22.2	23.9	26.3	27.2	27.3	26.2	25.7	25.7	25.3	24.4	23.7	23.3	25.1
1986	22.1	24.6	24.1	26.8	26.8	25.7	25.5	26.2	25.3	24.8	24.6	23.5	25.0
1987	22.0	24.9	26.9	26.7	27.5	27.3	25.4	25.9	25.9	23.4	23.9	24.0	25.3
1988	23.5	24.2	25.9	27.9	28.2	26.0	25.4	25.2	24.5	23.5	23.8	24.9	25.3
1989	22.8	22.5	24.9	27.6	27.0	26.4	26.6	25.8	24.9	24.0	24.6	21.7	24.9
AVG	22.7	23.8	26.1	27.1	27.1	26.0	25.4	25.5	25.0	24.2	23.3	22.9	24.9

Average Temperature

SANTA ELENA

(unit : °C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1971	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	19.9	23.2	22.2	20.1	18.3	---
1972	18.6	20.3	22.3	24.3	24.7	24.5	23.1	22.7	23.0	22.9	23.2	20.9	22.5
1973	20.3	20.4	25.1	25.6	24.9	23.7	23.3	23.7	24.1	22.8	22.2	19.0	22.9
1974	21.2	20.6	22.8	24.0	25.1	24.1	23.1	23.3	n.a.	n.a.	n.a.	19.2	---
1975	20.6	21.7	24.0	25.3	26.1	n.a.	21.2	20.5	20.3	19.9	18.4	16.9	---
1976	16.1	16.6	20.1	20.7	21.8	20.9	21.6	22.4	22.2	21.2	19.7	19.1	20.2
1977	18.6	20.0	22.4	21.7	22.6	22.2	22.1	22.8	23.4	22.1	21.1	20.7	21.6
1978	19.0	19.6	21.3	22.9	24.7	23.0	21.8	22.8	22.4	21.3	20.9	20.3	21.7
1979	19.7	19.7	21.7	23.1	22.9	22.2	22.5	22.2	22.1	21.8	19.8	n.a.	---
1980	20.1	20.2	20.8	21.8	23.5	21.5	21.5	21.0	22.4	17.1	15.1	n.a.	---
1981	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1982	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1983	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	19.4	19.3	---
1984	17.6	18.4	18.2	20.0	21.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1985	n.a.	22.2	23.6	24.1	25.0	24.7	23.4	23.8	23.7	23.4	22.6	21.9	---
1986	19.9	22.6	22.1	23.3	24.6	n.a.	23.1	23.8	23.7	22.9	22.6	21.5	---
1987	20.0	22.5	24.6	22.8	24.7	25.1	23.7	23.9	24.7	21.8	21.7	21.8	23.1
1988	20.6	21.7	23.2	25.5	25.6	25.0	23.8	24.1	23.9	21.9	22.6	19.9	23.2
1989	20.6	19.9	21.5	23.9	24.4	24.5	24.1	23.8	23.9	22.4	n.a.	20.2	---
1990	21.6	21.8	22.4	24.1	24.8	23.9	23.4	23.5	22.8	21.9	20.0	20.0	22.5
1991	20.8	19.7	23.0	25.1	25.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	19.7	20.5	22.3	23.4	24.3	23.5	22.8	22.8	23.1	21.7	20.6	19.9	22.0

(unit : °C)

YURE

Average Temperature

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1971	24.4	24.7	n.a.	29.8	n.a.	n.a.	n.a.	26.9	n.a.	n.a.	25.0	25.3	---
1972	25.5	24.8	26.5	28.8	29.8	28.6	26.9	26.7	26.8	26.7	27.1	25.4	27.0
1973	24.8	25.3	29.8	30.6	29.5	28.0	27.3	27.6	28.1	26.6	26.5	23.0	27.3
1974	25.4	25.1	27.3	28.6	29.7	28.3	27.0	27.0	27.3	24.9	23.9	24.3	26.6
1975	24.8	26.0	27.9	29.0	29.6	28.3	27.2	26.7	26.4	25.8	24.5	23.2	26.6
1976	23.0	23.4	26.9	28.1	29.0	27.6	26.8	27.1	27.0	26.2	24.6	25.2	26.2
1977	23.6	25.7	28.1	27.9	28.3	27.5	26.7	27.4	27.6	26.7	25.9	25.9	26.8
1978	24.7	25.4	27.4	29.1	30.6	28.3	n.a.	27.3	27.3	26.0	25.6	25.8	---
1979	24.8	25.5	27.9	29.4	28.9	27.8	28.0	27.2	27.5	27.0	25.2	24.5	27.0
1980	25.8	26.1	28.9	29.7	31.8	29.3	28.7	29.1	29.8	28.7	28.0	23.4	28.3
1981	22.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	27.1	26.6	24.4	25.1	---
1982	26.1	26.5	27.5	29.2	29.1	28.3	26.5	26.8	26.7	26.0	25.0	25.6	26.9
1983	25.5	26.4	28.8	29.6	30.6	29.5	27.0	27.5	27.9	26.7	26.4	25.4	27.6
1984	23.5	25.3	27.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	24.6	25.4	27.9	29.2	29.7	28.3	27.2	27.3	27.5	26.5	25.5	24.8	27.0

SAN JERONIMO

Average Temperature

(unit : °C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1971	n.a.	22.1	24.4	25.2	26.2	n.a.	24.7	24.8	24.8	24.9	23.0	22.8	---
1972	20.9	21.4	24.2	26.2	25.0	26.7	26.0	25.1	24.7	23.9	23.6	23.2	24.2
1973	23.7	23.9	25.6	28.3	27.4	26.6	26.0	26.7	26.7	25.8	24.9	21.3	25.6
1974	23.9	23.5	26.0	27.4	28.3	26.5	25.6	25.8	25.8	23.8	23.0	23.1	25.2
1975	23.7	24.4	26.3	27.8	28.9	27.5	25.8	25.9	25.3	25.1	23.6	22.1	25.5
1976	21.9	22.6	25.9	27.0	27.3	26.4	25.9	26.0	26.0	25.5	23.7	21.6	25.0
1977	21.0	22.0	25.7	27.8	26.8	26.2	25.9	26.9	27.0	25.7	25.1	24.4	25.4
1978	23.3	24.6	26.3	28.3	28.8	26.7	26.2	26.3	26.3	25.3	25.0	24.2	25.9
1979	24.3	24.8	27.7	28.3	27.6	26.6	26.7	26.1	26.3	26.0	24.2	24.0	26.1
1980	24.6	24.7	27.1	27.3	29.5	27.2	26.6	26.8	26.6	25.6	23.9	21.7	26.0
1981	22.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1982	n.a.	n.a.	25.1	27.1	26.7	26.0	24.6	25.4	25.6	24.5	23.4	23.1	21.0
1983	23.3	25.4	27.0	28.1	29.1	27.4	25.5	25.7	25.7	24.9	24.6	23.5	25.9
1984	21.6	23.6	25.3	27.2	27.6	25.5	24.6	24.6	24.9	24.4	22.1	22.7	24.5
1985	21.9	23.9	26.2	27.7	27.6	26.2	25.5	25.6	26.0	25.0	24.0	23.4	25.3
1986	21.7	23.7	23.3	26.0	n.a.	n.a.	25.0	26.1	25.7	25.3	24.8	23.5	---
1987	21.7	24.4	27.5	26.0	27.4	27.3	26.0	26.0	26.5	22.8	23.8	23.8	25.3
1988	23.0	24.1	25.7	27.8	28.0	27.1	25.7	26.1	25.8	24.1	24.6	21.9	25.3
1989	22.7	22.3	24.0	27.1	26.9	26.1	25.6	26.1	25.8	24.3	27.4	21.3	25.0
1990	23.0	23.4	25.2	27.2	27.1	25.9	25.4	25.3	25.5	24.5	22.6	22.6	24.8
1991	20.8	22.2	25.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	22.6	23.5	25.7	27.3	27.6	26.6	25.6	25.9	25.8	24.8	24.1	22.9	25.2

(unit : °C)

**VALLECILLO**

**Average Temperature**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1988	n.a.	n.a.	n.a.	23.4	24.2	23.3	22.4	22.5	22.3	21.4	21.1	18.6	---
1989	19.0	18.5	20.4	22.8	22.9	22.3	21.9	22.7	22.2	21.3	21.3	19.1	21.2
1990	19.9	n.a.	21.3	22.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	19.5	18.5	20.9	23.0	23.6	22.8	22.2	22.6	22.3	21.4	21.2	18.9	21.4

(unit : °C)

**MARALE**

**Average Temperature**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
1988	22.2	23.2	24.2	27.3	26.9	25.5	24.5	25.1	24.7	23.3	23.4	21.0	24.3
1989	22.2	21.4	n.a.	25.7	25.5	25.1	24.4	24.5	24.8	23.2	22.6	21.1	---
AVG	22.2	22.3	24.2	26.5	26.2	25.3	24.5	24.8	24.8	23.3	23.0	21.1	24.0

(unit : mm)

EL CAJON

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	n. a.	n. a.	n. a.	n. a.	223	143	160	153	154	121	106	n. a.	-----
1982	n. a.	n. a.	189	207	184	141	143	164	137	108	83	99	-----
1983	98	130	194	175	224	155	136	156	131	128	101	115	1,743
1984	89	118	178	209	201	175	158	146	130	129	100	97	1,730
1985	119	136	206	175	n. a.	198	185	201	190	155	139	97	-----
1986	90	155	n. a.	214	199	212	170	150	139	133	117	100	-----
1987	111	137	199	193	n. a.	n. a.	n. a.	n. a.	143	84	85	87	-----
1988	88	148	179	187	211	197	154	157	125	122	102	91	1,761
1989	102	93	182	191	192	160	158	167	130	111	100	100	1,686
1990	101	124	167	197	191	156	148	193	186	142	101	100	1,806
1991	120	143	183	178	189	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
AVG	102	131	186	193	202	171	157	165	146	123	103	98	1,778

Monthly Evaporation

VICTORIA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1968	115	122	162	188	168	n.a.	140	133	140	n.a.	n.a.	n.a.	-----
1969	98	136	162	175	n.a.	n.a.	140	127	n.a.	128	n.a.	86	-----
1970	111	107	197	203	n.a.	n.a.	143	140	106	125	89	93	-----
1971	114	137	195	157	n.a.	138	115	146	106	97	89	111	-----
1972	129	138	203	198	193	157	141	147	0	0	0	0	1,305
1973	0	0	0	0	193	161	137	154	151	138	112	99	1,145
1974	120	138	175	201	174	150	159	126	99	69	77	82	1,568
1975	101	134	198	208	176	169	161	131	116	106	85	83	1,668
1976	78	103	184	132	175	111	119	145	134	108	71	86	1,446
1977	117	121	202	167	160	119	125	133	129	113	91	103	1,581
1978	106	132	178	185	194	138	120	135	0	100	89	86	1,462
1979	100	0	0	168	150	120	116	127	114	101	68	86	1,148
1980	60	0	167	176	197	124	136	137	117	91	82	63	1,350
1981	98	117	198	179	186	127	124	127	116	113	74	81	1,539
1982	109	121	154	171	147	137	122	111	98	105	81	96	1,452
1983	95	136	205	182	202	147	127	132	135	103	100	100	1,662
1984	85	119	187	207	193	144	132	144	118	121	88	92	1,629
1985	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1986	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-----
1987	95	145	202	190	193	136	134	164	138	72	97	114	1,679
1988	110	140	201	240	215	153	130	139	124	62	104	81	1,700
1989	91	118	206	197	134	147	128	154	120	105	89	84	1,572
AVE	97	108	169	176	179	140	132	138	108	98	82	85	1,513

Monthly Evaporation EL TALADRO

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1958	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	137	138	n.a.	---
1959	126	n.a.	224	217	197	175	174	185	n.a.	n.a.	162	n.a.	---
1960	n.a.	141	199	176	189	n.a.	147	181	n.a.	n.a.	113	109	---
1961	134	130	179	168	173	184	80	n.a.	n.a.	n.a.	n.a.	n.a.	---
1962	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1964	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1966	n.a.	140	n.a.	204	191	131	160	164	126	112	95	90	---
1967	118	138	197	168	232	156	170	184	157	149	108	108	1,886
1968	160	172	200	214	182	n.a.	153	151	108	77	n.a.	n.a.	---
1969	122	154	190	203	154	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
AVG	132	146	198	193	188	161	147	173	130	119	123	103	1,813



Monthly Evaporation

FLORES

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1957	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	57	n.a.	---
1958	107	92	80	115	109	95	n.a.	n.a.	n.a.	126	111	108	---
1959	86	n.a.	218	175	205	133	183	183	176	n.a.	119	125	---
1960	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1961	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1962	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1964	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1965	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	86	158	---
1966	160	213	175	204	192	172	143	157	124	132	118	120	1,911
1967	137	118	193	191	213	165	185	175	178	155	137	155	2,000
1968	191	203	251	234	173	116	155	183	131	132	121	137	2,025
1969	167	n.a.	247	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1970	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1971	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1972	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1973	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	---
1974	128	n.a.	n.a.	297	206	156	177	190	n.a.	129	122	125	---
1975	149	181	259	273	202	154	185	172	140	116	112	130	2,072
1976	133	150	234	211	196	n.a.	179	179	164	145	118	149	---
1977	195	211	289	212	182	151	177	188	165	160	135	162	2,226
1978	177	200	243	236	199	166	147	162	125	130	120	139	2,045
1979	165	189	227	200	167	135	140	135	113	136	126	129	1,861
1980	154	196	239	188	183	159	146	121	108	112	111	122	1,839

(unit : mm)

FLORES

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	145	161	212	203	178	129	143	132	121	116	126	122	1,789
1982	163	169	230	209	156	132	140	166	134	144	139	162	1,942
1983	171	175	234	178	193	132	151	139	124	128	110	133	1,839
1984	150	175	241	230	181	149	141	139	107	132	131	152	1,929
1985	152	188	244	222	166	149	161	147	138	119	112	139	1,936
1986	153	181	235	236	158	163	184	176	125	122	117	142	1,992
1987	156	207	242	239	149	135	119	160	120	141	127	134	1,930
1988	155	184	247	232	235	123	143	126	113	120	131	n. a.	----
1989	89	178	240	242	197	148	167	162	121	138	131	125	1,939
Avg	149	177	228	215	183	143	158	160	133	132	118	137	1,933

(unit : mm)

EL COYOLAR

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1958	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	184	123	127	122	120	-----
1959	n. a.	n. a.	n. a.	n. a.	n. a.	41	114	145	160	138	159	128	-----
1960	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	60	100	93	-----
1961	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1962	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1963	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1964	121	138	238	237	212	142	151	163	136	110	94	112	1,853
1965	137	70	235	211	270	140	195	198	127	151	99	113	1,947
1966	124	150	164	191	180	122	158	150	125	106	84	101	1,653
1967	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1968	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1969	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1970	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1971	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
1972	127	126	196	198	143	145	177	169	143	112	120	124	1,779
1973	154	168	219	n. a.	170	142	148	147	111	102	98	112	1,569
1974	161	155	185	225	179	131	166	184	132	116	92	121	1,848
1975	137	169	212	237	158	180	189	147	84	82	82	95	1,771
1976	108	131	227	182	180	99	154	161	149	85	93	89	1,657
1977	145	148	222	160	152	132	195	172	134	113	96	n. a.	-----
1978	n. a.	160	174	181	183	134	132	150	131	n. a.	107	122	-----
1979	144	159	199	173	133	126	146	122	94	122	76	101	1,594
1980	128	162	221	171	162	139	159	141	120	107	103	107	1,720

(unit : mm)

EL COYOLAR

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1981	119	128	172	183	156	101	139	119	98	93	94	101	1,501
1982	135	141	207	202	133	135	165	187	135	128	117	129	1,815
1983	150	152	215	165	215	138	159	161	125	114	101	118	1,813
1984	128	129	200	209	153	118	128	126	83	114	110	135	1,634
1985	110	144	154	115	90	147	111	94	77	74	79	98	1,292
1986	144	153	196	204	157	131	173	172	122	103	100	126	1,780
1987	138	171	207	207	154	141	188	155	108	117	119	145	1,798
1988	146	158	212	200	187	120	146	94	119	101	110	102	1,692
1989	148	148	188	205	185	156	194	143	107	122	108	128	1,832
AVE	135	146	202	193	169	130	156	151	119	108	103	114	1,726

(unit : mm)

SANTA CLARA

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1967	n.a.	n.a.	215	214	178	n.a.	n.a.	133	163	159	99	93	---
1968	100	125	150	166	143	112	113	123	128	105	84	78	1,428
1969	92	127	156	171	165	122	113	133	109	133	89	86	1,494
1970	n.a.	93	160	180	167	127	112	149	126	131	88	48	---
1971	92	74	n.a.	177	204	160	169	168	148	141	n.a.	n.a.	---
1972	94	n.a.	n.a.	176	147	142	141	121	139	118	99	90	---
1973	102	142	219	197	171	137	170	132	131	116	80	83	1,681
1974	68	122	161	169	154	117	114	115	113	83	82	73	1,372
1975	81	109	171	191	175	137	143	120	104	105	82	71	1,489
1976	71	95	201	191	171	106	102	130	125	116	79	76	1,453
1977	103	120	185	185	135	96	116	120	146	109	89	88	1,491
1978	90	115	162	186	159	128	109	123	113	121	86	70	1,461
1979	106	126	185	159	148	117	122	111	109	121	93	80	1,476
1980	98	123	173	156	161	113	127	131	107	95	81	79	1,442
1981	103	104	166	143	159	123	126	136	104	101	83	79	1,428
1982	82	100	158	118	141	114	105	105	94	105	85	81	1,289
1983	94	113	188	157	185	138	95	117	107	89	79	82	1,443
1984	79	95	145	193	164	106	105	102	96	97	81	61	1,321
1985	85	94	160	160	147	102	103	124	117	90	75	55	1,311
1986	69	119	163	171	135	103	86	101	90	100	80	67	1,283
1987	89	133	148	159	156	132	84	107	92	100	94	78	1,371
1988	87	103	133	167	159	120	117	120	96	93	89	82	1,363
1989	79	80	161	169	150	115	100	126	92	106	84	81	1,342
Avg	89	110	169	172	160	121	117	124	115	110	85	76	1,449

Monthly Evaporation LA ERMITA

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	52	105	211	241	205	236	156	124	112	147	72	111	1,771
1971	104	130	193	203	294	243	261	198	227	n.a.	n.a.	n.a.	----
1972	258	256	339	354	267	304	302	274	224	244	255	263	3,341
1973	270	274	415	405	n.a.	170	144	159	158	149	n.a.	n.a.	----
1974	98	142	254	284	202	172	132	154	107	76	82	76	1,779
1975	95	119	135	157	131	121	126	119	74	80	66	94	1,314
1976	83	82	100	159	145	108	120	172	205	130	97	101	1,502
1977	127	137	200	276	239	148	173	189	217	237	213	250	2,404
1978	213	n.a.	207	210	192	152	140	168	146	142	115	113	----
1979	132	161	200	184	160	98	113	120	108	112	77	76	1,541
1980	113	152	229	202	190	117	124	133	132	101	92	78	1,653
1981	129	117	176	170	188	145	139	143	131	133	105	97	1,673
1982	110	157	220	241	187	134	126	160	152	132	107	117	1,842
1983	131	158	237	226	268	162	127	149	160	119	106	124	1,966
1984	122	124	206	231	240	153	146	155	112	123	111	108	1,831
1985	133	143	214	214	192	136	143	158	164	103	90	85	1,775
1986	87	146	189	225	152	125	116	143	117	114	102	89	1,604
1987	113	170	207	182	152	145	110	138	127	105	100	99	1,647
1988	113	137	202	201	187	149	129	117	119	90	94	77	1,616
1989	98	110	201	211	168	153	153	161	120	111	84	94	1,664
AVG	129	148	217	229	198	158	149	157	145	129	109	114	1,882

(unit : mm)

AGUA CALIENTE

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	n.a.	107	167	197	168	132	114	113	102	n.a.	76	n.a.	----
1971	100	126	182	158	206	157	146	147	130	118	92	100	1,562
1972	105	137	198	n.a.	n.a.	136	127	134	n.a.	n.a.	96	n.a.	----
1973	123	n.a.	221	n.a.	n.a.	136	n.a.	129	141	n.a.	90	82	----
1974	122	145	189	n.a.	189	158	133	n.a.	119	79	80	80	----
1975	85	100	186	220	173	154	141	132	107	91	72	71	1,531
1976	75	106	n.a.	161	190	107	117	139	113	n.a.	81	76	----
1977	111	111	164	154	144	93	135	128	126	103	77	83	1,429
1978	87	78	n.a.	148	154	131	117	121	105	105	87	76	----
1979	93	97	146	165	149	111	132	128	97	102	87	77	1,382
1980	108	126	189	181	181	132	135	120	122	107	85	64	1,549
1981	73	90	166	156	171	116	122	138	124	108	77	84	1,423
1982	93	130	179	197	160	133	123	117	98	87	82	75	1,472
1983	94	121	197	179	223	159	105	130	111	104	79	81	1,581
1984	81	82	149	191	160	137	123	125	110	114	88	78	1,438
1985	94	123	173	165	147	116	120	124	142	109	87	74	1,474
1986	82	124	133	166	144	126	122	124	107	110	92	74	1,404
1987	86	124	190	192	150	137	112	128	120	83	90	100	1,512
1988	87	111	155	192	192	127	117	99	100	85	83	66	1,413
1989	84	106	168	210	159	126	121	143	111	101	79	69	1,475
AVE	94	113	175	178	170	131	124	127	115	100	84	78	1,490

(unit : mm)

PLAYITAS

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1970	162	160	220	226	270	197	n.a.	148	121	132	105	n.a.	---
1971	132	147	221	200	191	155	155	151	120	127	111	127	1,837
1972	147	155	241	221	183	167	149	156	163	154	120	128	1,984
1973	161	177	247	234	213	0	172	169	158	128	118	114	1,890
1974	144	168	213	241	219	177	175	194	148	124	118	128	2,051
1975	156	203	280	284	219	192	216	200	137	137	112	112	2,248
1976	100	144	221	187	159	0	161	184	169	109	109	114	1,657
1977	153	171	245	212	174	142	173	189	156	152	122	133	2,021
1978	136	170	216	233	204	161	132	149	130	127	117	125	1,898
1979	167	171	225	201	177	139	161	161	132	131	125	129	1,918
1980	166	185	214	179	203	144	154	146	122	100	86	117	1,815
1981	166	166	232	211	193	130	154	145	135	110	98	106	1,847
1982	136	143	186	196	156	144	149	167	123	122	103	118	1,741
1983	160	163	251	212	255	157	152	171	123	115	105	119	1,980
1984	157	150	211	234	209	158	146	155	112	141	120	146	1,940
1985	142	150	212	223	212	162	183	178	161	125	112	120	1,980
1986	135	179	234	256	164	165	167	172	156	129	125	150	2,031
1987	160	197	244	253	242	190	163	173	148	134	139	150	2,193
1988	160	189	235	233	246	149	155	152	129	113	119	228	2,107
1989	132	143	229	n.a.	n.a.	165	190	178	122	123	119	112	1,511
AVG	149	167	229	223	205	145	163	167	138	127	114	130	1,955



(unit : mm)

SANTA ELENA

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	181	144	108	87	69	-----
1972	89	89	150	167	139	128	147	136	129	106	102	81	1,460
1973	83	87	139	141	166	139	127	132	124	101	82	70	1,390
1974	89	101	140	147	142	133	137	121	n. a.	n. a.	n. a.	101	-----
1975	98	108	166	163	152	136	153	144	105	113	75	81	1,493
1976	76	92	160	150	141	103	126	151	136	108	71	73	1,386
1977	87	96	150	121	157	119	152	151	135	n. a.	n. a.	n. a.	-----
1978	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	115	93	106	-----
1979	110	108	140	158	154	128	155	136	113	107	83	n. a.	-----
1980	n. a.	118	161	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	111	77	68	-----
1981	94	93	140	145	162	146	166	142	134	110	83	80	1,494
1982	98	110	158	149	115	n. a.	134	141	128	100	86	85	-----
1983	77	87	152	134	151	143	132	179	163	120	83	92	1,513
1984	74	81	126	148	134	133	126	129	102	114	60	75	1,302
1985	81	92	118	113	133	131	129	135	139	116	78	68	1,333
1986	71	105	124	147	113	n. a.	175	183	222	176	92	90	-----
1987	71	99	141	125	133	273	198	173	142	67	73	91	1,587
1988	85	129	130	154	156	181	143	143	197	104	87	73	1,582
1989	80	88	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	74	74	-----
1990	94	94	125	133	149	132	144	133	145	92	85	68	1,395
1991	92	102	161	153	157	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	-----
AVG	86	99	143	144	144	145	146	148	141	110	82	80	1,468

Monthly Evaporation

YURE

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	90	140	n.a.	n.a.	n.a.	n.a.	n.a.	190	n.a.	n.a.	83	107	----
1972	119	121	191	200	199	167	162	134	125	128	114	105	1,765
1973	129	134	203	172	174	139	140	149	151	n.a.	n.a.	n.a.	----
1974	n.a.	152	193	212	192	168	165	164	147	104	109	104	----
1975	130	160	220	207	190	162	169	165	147	135	106	105	1,896
1976	109	121	218	204	191	144	147	177	148	145	n.a.	112	----
1977	122	158	216	182	187	159	159	176	160	135	113	124	1,893
1978	109	142	175	204	190	166	n.a.	160	143	140	125	122	----
1979	145	141	202	203	186	174	183	142	136	146	109	129	1,895
1980	142	165	227	151	n.a.	168	171	167	174	130	104	80	----
1981	101	138	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1982	n.a.	n.a.	189	208	175	149	140	161	52	124	98	109	----
1983	112	143	228	192	240	166	150	159	147	132	101	114	1,885
1984	98	136	188	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
AVG	117	142	204	195	192	160	159	162	139	132	106	110	1,819

(unit : mm)

SAN JERONIMO

Monthly Evaporation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1971	n.a.	n.a.	248	210	190	n.a.	137	164	151	117	104	114	----
1972	135	145	211	190	192	159	148	142	151	123	109	89	1,798
1973	121	131	209	195	153	378	144	143	144	117	100	100	1,936
1974	126	145	200	197	200	163	153	150	137	85	86	88	1,729
1975	98	148	207	222	207	151	148	117	74	84	69	88	1,612
1976	88	128	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	84	----
1977	116	140	222	186	180	130	138	158	155	142	105	110	1,781
1978	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1979	n.a.	n.a.	n.a.	189	159	135	156	143	132	132	104	106	----
1980	116	132	173	130	166	115	138	136	115	91	75	63	1,450
1981	102	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
1982	117	112	156	180	138	130	116	137	121	112	90	100	1,507
1983	106	134	215	186	225	159	131	147	130	113	92	98	1,736
1984	100	111	175	186	167	131	114	130	102	118	84	102	1,520
1985	139	149	200	199	194	166	143	173	140	120	101	94	1,817
1986	104	150	183	197	n.a.	n.a.	138	153	119	110	103	102	----
1987	109	166	224	199	184	164	129	141	138	94	109	98	1,754
1988	109	145	215	212	192	n.a.	137	121	137	98	n.a.	n.a.	----
1989	97	n.a.	199	203	174	141	143	158	126	97	93	81	----
1990	116	129	183	185	184	139	155	127	n.a.	105	68	87	----
1991	116	143	226	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	----
Avg	112	138	203	192	182	161	139	144	129	109	93	94	1,696

**VALLECILLO**

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1988	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	167	121	102	85	61	----
1989	80	77	160	168	147	110	120	133	99	92	86	80	1,351
AVG	80	77	160	168	147	110	120	150	110	97	85	70	1,374

**MARALE**

(unit : mm)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1987	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	n. a.	177	----
1988	122	134	207	244	212	162	167	206	148	111	112	70	1,894
1989	89	115	208	192	208	181	158	167	159	127	99	94	1,787
AVG	105	124	207	218	210	172	162	187	153	119	105	114	1,877

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1966

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	40.70	729.10	420.40	135.50	173.20	360.00	137.40	76.50				
2	39.10	363.30	482.00	157.60	215.00	324.20	119.70	73.00				
3	37.30	276.50	330.60	189.60	161.90	302.10	123.00	69.80				
4	35.30	498.90	286.60	194.50	135.50	253.80	116.40	69.00				
5	45.60	350.10	225.70	168.50	256.70	353.30	107.20	70.50				
6	92.40	280.50	209.80	166.30	396.70	353.30	101.50	70.50				
7	114.80	209.80	189.60	157.60	298.90	259.60	98.70	67.50				
8	248.10	177.60	308.30	173.00	231.20	330.60	98.70	65.40				
9	188.50	139.30	363.30	145.20	245.20	337.10	118.00	66.00				
10	302.10	116.40	373.30	121.50	280.50	327.40	113.20	68.30				
11	253.80	128.20	440.80	166.30	250.90	265.50	97.40	70.50				
12	346.90	139.30	457.90	164.00	285.50	289.70	90.00	88.80				
13	215.00	124.70	451.10	141.30	202.00	475.00	85.40	93.60				
14	113.20	175.30	366.60	207.20	286.60	289.70	83.30	90.00				
15	111.70	145.20	280.50	182.30	321.00	217.70	83.30	81.20				
16	73.80	124.70	259.60	199.50	440.80	182.30	93.60	79.30				
17	63.50	113.20	220.30	192.10	366.60	192.00	87.70	86.50				
18	139.30	130.00	207.20	177.60	271.50	209.80	82.30	80.20				
19	187.10	225.70	253.80	159.70	262.60	175.30	77.40	74.70				
20	228.50	250.90	204.60	145.20	199.50	155.40	77.40	70.50				
21	133.70	225.70	199.60	151.30	189.60	141.30	98.70	66.80				
22	141.30	274.50	187.10	383.60	179.90	130.30	88.80	64.10				
23	340.40	217.70	194.50	220.30	228.50	164.00	82.30	61.70				
24	289.70	177.60	184.70	220.30	209.80	159.70	78.30	59.40				
25	220.30	526.20	175.30	161.90	207.20	215.00	77.40	58.80				
26	133.70	509.00	179.90	317.80	370.00	217.70	76.50	57.30				
27	93.60	570.40	159.70	285.50	283.50	168.50	73.00	56.80				
28	80.30	393.40	343.60	170.70	231.20	151.30	70.50	55.30				
29	86.50	427.20	383.30	177.60	223.00	133.70	85.40	53.50				
30	396.30	403.50	295.80	192.00	251.00	131.90	83.30	53.00				
31	292.40	234.00	234.00	207.10	149.20	149.20	51.70	51.70				
TOTAL	5064.90	8421.90	8859.50	5815.40	7655.50	7416.40	2805.80	2150.20				
AVERAGE	163.38	280.73	285.79	187.50	254.52	239.24	93.53	69.36				
MAXIMUM	396.30	729.10	482.00	383.60	440.80	475.00	137.40	93.60				
MINIMUM	35.30	113.20	159.70	121.30	135.50	130.30	70.50	51.70				

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 48166.60 196.60 729.10 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1967

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	50.80	58.30	47.60	45.20	27.70	19.60	71.30	81.20	72.10	363.00	140.00	58.00
2	49.50	58.30	57.80	41.80	25.60	20.00	76.50	69.80	52.70	166.00	157.00	53.00
3	49.50	65.40	67.50	36.00	25.00	28.80	115.00	77.40	63.00	143.00	161.00	55.00
4	48.70	56.30	54.00	34.60	24.80	41.10	85.40	60.50	67.10	242.00	153.00	62.00
5	51.70	53.00	48.70	36.60	25.00	78.40	101.00	56.80	50.70	141.00	109.00	67.10
6	51.70	50.60	45.60	47.00	27.20	124.70	77.40	56.80	34.50	580.00	115.00	56.20
7	50.00	48.70	43.80	128.20	24.50	126.50	63.50	54.40	64.60	324.00	115.00	53.40
8	48.70	46.50	41.80	73.00	23.70	266.00	116.00	51.70	120.00	194.00	125.00	52.00
9	47.40	44.70	41.30	44.70	23.00	218.00	88.80	52.60	272.00	175.00	131.00	50.70
10	47.00	47.00	44.70	42.80	23.00	166.00	178.00	55.50	253.00	180.00	128.00	48.70
11	43.30	45.20	44.30	37.30	22.70	168.00	121.00	101.00	192.00	182.00	114.00	46.80
12	47.80	43.80	42.30	39.10	22.00	175.00	83.30	80.20	136.00	284.00	107.00	45.60
13	48.30	43.80	41.30	30.00	22.00	100.00	68.30	66.20	105.00	207.00	128.00	46.50
14	46.50	45.60	40.20	27.40	21.60	73.80	60.00	57.70	98.40	143.00	120.00	45.20
15	44.30	44.30	39.60	25.60	21.20	72.10	54.90	54.80	94.10	199.00	136.00	45.60
16	43.80	42.80	38.50	43.80	20.80	74.70	52.60	60.00	78.30	299.00	125.00	43.30
17	45.20	41.80	37.60	32.40	22.00	62.90	62.30	131.00	91.20	207.00	111.00	42.80
18	45.20	40.70	35.30	32.40	33.60	82.30	84.40	103.00	79.30	370.00	102.00	41.80
19	46.50	39.60	34.00	73.80	34.00	107.00	73.80	152.00	74.70	350.00	95.00	41.30
20	50.00	39.10	32.40	66.80	26.10	260.00	81.20	104.00	66.80	290.00	89.00	40.20
21	56.30	37.90	31.90	75.60	24.30	160.00	70.50	82.10	66.80	207.00	84.00	40.20
22	54.40	36.60	30.00	62.90	23.00	120.00	83.40	92.00	64.10	170.00	80.00	40.20
23	54.40	35.30	31.70	54.90	22.70	101.00	134.00	67.90	63.50	150.00	77.00	39.10
24	50.00	56.30	33.20	50.40	24.30	84.40	80.20	73.90	104.00	139.00	71.00	68.90
25	47.80	58.80	34.60	41.80	24.50	64.80	64.10	75.70	113.00	161.00	68.00	57.80
26	46.50	59.40	31.70	39.10	22.70	59.40	64.80	86.00	147.00	140.00	65.00	47.00
27	45.20	51.70	28.30	36.00	23.40	68.30	59.40	71.30	107.00	159.00	64.00	44.30
28	55.80	48.70	27.40	33.90	22.70	171.00	64.80	60.70	231.00	128.00	60.00	42.80
29	54.90	47.00	24.60	31.70	20.40	121.00	257.00	57.70	128.00	119.00	59.00	41.80
30	70.50	47.00	23.60	29.20	20.40	86.50	192.00	48.70	92.40	110.00	59.00	40.20
31	62.30	47.00	22.50	20.00	20.00	113.00	113.00	124.00	98.40	98.40	59.00	38.50
TOTAL	1554.00	1340.00	1198.30	1400.60	743.90	3301.30	2899.90	2366.60	3182.30	6600.40	3148.00	1518.00
AVERAGE	50.13	47.86	38.65	46.69	24.00	110.04	93.55	76.34	106.08	212.92	104.93	48.97
MAXIMUM	70.50	65.40	67.50	128.20	34.00	266.00	257.00	152.00	272.00	580.00	161.00	82.00
MINIMUM	43.30	35.30	22.50	25.60	20.00	19.60	52.60	48.70	34.50	98.40	59.00	38.50

ANNUAL

TOTAL	29253.30
AVERAGE	80.15
MAXIMUM	580.00
MINIMUM	19.60

1993/ 1/18 ( MON ) 11:22: 4

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1968

DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	38.50	25.60	21.20	18.00	14.20	773.00	116.00	142.00	307.00	323.00	222.00	108.00
2	37.90	23.60	23.00	18.00	14.20	314.00	156.00	180.00	369.00	369.00	247.00	92.00
3	37.90	21.50	22.70	18.00	14.20	283.00	158.00	220.00	276.00	376.00	379.00	85.00
4	36.00	20.40	22.00	17.60	14.20	462.00	228.00	158.00	192.00	625.00	326.00	78.00
5	36.00	20.40	25.50	17.00	14.00	431.00	489.00	154.00	276.00	349.00	625.00	78.00
6	38.50	24.60	23.40	19.20	14.00	369.00	244.00	110.00	212.00	359.00	427.00	77.00
7	36.00	39.10	22.30	34.10	24.80	259.00	230.00	139.00	289.00	253.00	314.00	74.00
8	35.30	39.10	21.20	40.00	26.10	286.00	250.00	146.00	475.00	207.00	283.00	74.00
9	34.60	33.20	20.00	23.70	21.20	136.00	194.00	111.00	333.00	178.00	225.00	81.00
10	34.60	29.20	19.60	20.40	29.30	114.00	171.00	122.00	228.00	175.00	262.00	92.00
11	33.90	25.60	18.80	18.80	32.20	111.00	131.00	105.00	160.00	185.00	202.00	98.00
12	33.20	23.60	18.00	18.00	72.10	256.00	192.00	124.00	138.00	180.00	230.00	85.00
13	42.80	22.50	18.00	17.60	40.50	839.00	142.00	489.00	146.00	268.00	182.00	79.00
14	35.30	20.40	18.40	17.60	27.70	717.00	116.00	320.00	126.00	189.00	152.00	76.00
15	36.60	30.90	18.40	16.90	37.40	908.00	117.00	194.00	111.00	197.00	138.00	91.00
16	35.30	21.50	18.40	16.60	28.80	346.00	171.00	148.00	472.00	175.00	131.00	117.00
17	34.60	30.00	22.70	16.60	33.60	366.00	154.00	114.00	320.00	468.00	129.00	100.00
18	35.90	21.50	23.40	15.70	26.70	343.00	124.00	127.00	333.00	806.00	117.00	86.00
19	33.90	22.60	22.30	15.50	22.00	242.00	111.00	204.00	317.00	554.00	111.00	81.00
20	35.30	31.70	20.40	15.50	26.10	220.00	133.00	160.00	523.00	967.00	111.00	74.00
21	35.30	25.60	19.20	15.20	89.00	479.00	160.00	131.00	472.00	513.00	127.00	71.00
22	32.40	19.20	18.00	14.90	87.10	304.00	148.00	129.00	486.00	489.00	164.00	66.00
23	30.90	21.40	17.60	15.00	98.40	222.00	144.00	108.00	628.00	359.00	140.00	64.00
24	30.90	23.00	23.00	15.00	50.70	169.00	131.00	100.00	265.00	320.00	100.00	66.00
25	30.00	22.30	21.60	14.80	39.50	136.00	175.00	113.00	353.00	1246.00	113.00	76.00
26	30.90	23.00	20.00	14.80	34.50	114.00	180.00	185.00	482.00	625.00	121.00	90.00
27	29.20	23.40	19.20	14.80	69.60	105.00	140.00	138.00	379.00	462.00	108.00	81.00
28	29.20	22.70	18.80	14.60	67.10	94.00	110.00	110.00	304.00	379.00	98.00	71.00
29	27.40	22.00	18.80	14.40	124.00	108.00	146.00	101.00	265.00	320.00	100.00	66.00
30	27.40	27.40	18.80	14.20	190.00	126.00	126.00	113.00	366.00	292.00	127.00	64.00
31	25.60	19.60	19.60	19.60	211.00	122.00	122.00	156.00	253.00	253.00	62.00	62.00
TOTAL	1049.30	729.60	634.30	542.50	1594.20	9432.00	5209.00	4760.00	9909.00	112634.00	6033.00	2509.00
AVERAGE	33.85	23.16	20.46	18.08	51.43	321.07	168.03	153.55	330.30	407.55	201.10	80.94
MAXIMUM	42.80	39.10	25.50	40.00	211.00	908.00	489.00	458.00	628.00	1246.00	625.00	117.00
MINIMUM	25.60	19.20	17.60	14.20	14.00	94.00	110.00	100.00	111.00	175.00	98.00	62.00

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* 5235.90 \*\*\*\*\*  
 \*\*\*\*\* 150.92 \*\*\*\*\*  
 \*\*\*\*\* 1246.00 \*\*\*\*\*  
 \*\*\*\*\* 14.00 \*\*\*\*\*

1993/1/18 ( MON ) 11:22:4

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1969

#DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	58.00	39.00	28.00	28.00								
2	55.00	38.00	28.00	27.00								
3	62.00	38.00	28.00	26.00								
4	59.00	39.00	34.00	26.00								
5	62.00	40.00	32.00	26.00								
6	60.00	40.00	30.00	24.00								
7	61.00	38.00	28.00	23.00								
8	59.00	37.00	28.00	32.00								
9	57.00	37.00	27.00	23.00								
10	55.00	35.00	25.00	21.00								
11	53.00	34.00	28.00	20.00								
12	52.00	34.00	30.00	21.00								
13	52.00	34.00	28.00	21.00								
14	51.00	33.00	28.00	19.00								
15	51.00	32.00	26.00	19.00								
16	49.00	32.00	26.00	23.00								
17	48.00	32.00	25.00	26.00								
18	47.00	32.00	24.00	21.00								
19	45.00	32.00	24.00	20.00								
20	48.00	32.00	24.00	19.00								
21	53.00	31.00	24.00	23.00								
22	53.00	30.00	23.00	19.00								
23	49.00	30.00	27.00	21.00								
24	45.00	30.00	24.00	20.00								
25	44.00	29.00	23.00	21.00								
26	43.00	29.00	21.00	21.00								
27	42.00	28.00	24.00	39.00								
28	43.00	28.00	24.00	27.00								
29	42.00		24.00	27.00								
30	40.00		24.00	25.00								
31	39.00		27.00									
TOTAL	1577.00	945.00	816.00	708.00								
AVERAGE	50.87	33.69	26.32	23.60								
MAXIMUM	62.00	40.00	34.00	39.00								
MINIMUM	39.00	28.00	21.00	19.00								

ANNUAL

TOTAL	4044.00
AVERAGE	33.70
MAXIMUM	62.00
MINIMUM	19.00



DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1970

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	39.30	25.30	23.10	38.20	98.20	725.00	302.00	581.00	219.00	100.00		
2	38.20	24.90	22.80	36.00	199.00	672.00	315.00	632.00	235.00	95.00		
3	37.10	24.60	22.90	34.00	330.00	423.00	293.00	697.00	275.00	90.00		
4	36.00	24.60	28.50	39.90	287.00	265.00	278.00	649.00	235.00	87.00		
5	35.00	24.20	22.20	32.00	206.00	260.00	330.00	628.00	278.00	85.00		
6	34.00	23.80	21.60	32.80	144.00	318.00	399.00	564.00	260.00	81.00		
7	33.00	23.80	20.90	32.80	106.00	293.00	334.00	516.00	201.00	81.00		
8	32.50	23.50	21.30	31.60	269.00	330.00	430.00	383.00	182.00	113.00		
9	32.00	23.10	20.90	29.10	214.00	327.00	478.00	415.00	160.00	100.00		
10	31.50	23.10	20.90	34.50	103.00	312.00	618.00	590.00	171.00	91.00		
11	31.00	23.10	20.90	74.00	110.00	235.00	461.00	434.00	165.00	86.00		
12	30.10	24.20	21.60	59.90	140.00	255.00	305.00	437.00	192.00	81.00		
13	30.10	23.50	24.20	51.70	353.00	284.00	312.00	334.00	201.00	97.00		
14	30.10	31.00	33.00	51.70	350.00	214.00	238.00	321.00	180.00	97.00		
15	32.50	67.40	28.70	80.10	272.00	196.00	238.00	318.00	227.00	90.00		
16	31.00	53.10	39.30	117.00	287.00	144.00	192.00	383.00	266.00	90.00		
17	30.50	37.70	25.70	101.00	315.00	92.70	164.00	383.00	211.00	87.00		
18	30.10	33.00	72.00	230.00	201.00	88.70	158.00	464.00	171.00	194.00		
19	29.20	29.60	42.80	324.00	235.00	112.00	318.00	552.00	158.00	134.00		
20	28.70	27.40	30.50	232.00	379.00	100.00	625.00	543.00	142.00	109.00		
21	28.30	27.00	27.00	189.00	305.00	100.00	1051.00	347.00	132.00	93.00		
22	27.80	26.50	24.60	180.00	201.00	77.00	751.00	343.00	129.00	86.00		
23	27.40	25.70	22.80	120.00	156.00	162.00	560.00	276.00	113.00	82.00		
24	27.40	24.90	22.10	87.40	134.00	192.00	536.00	272.00	109.00	79.00		
25	27.00	24.90	24.20	69.00	138.00	530.00	412.00	302.00	152.00	74.00		
26	26.50	24.60	48.40	58.00	272.00	929.00	420.00	255.00	140.00	72.00		
27	26.10	23.80	76.00	51.00	211.00	955.00	533.00	249.00	129.00	71.00		
28	25.70	23.80	150.00	47.30	386.00	1038.00	662.00	269.00	115.00	69.00		
29	25.70	23.80	64.00	67.00	296.00	530.00	584.00	235.00	112.00	68.00		
30	25.70	23.50	56.80	60.30	337.00	379.00	572.00	238.00	107.00	67.00		
31	25.70	23.50	49.00	1074.00	318.00	217.00	217.00	217.00	66.00	66.00		
TOTAL	945.20	839.40	1128.60	2983.00	8108.20	10884.40	11284.90	11275.00	5366.00	2815.00		
AVERAGE	30.49	27.98	36.41	99.43	261.55	351.11	428.30	410.48	178.87	90.81		
MAXIMUM	39.30	67.40	150.00	324.00	1074.00	1038.00	1051.00	697.00	276.00	194.00		
MINIMUM	25.70	23.10	20.90	36.00	98.20	77.00	158.00	217.00	107.00	66.00		

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 | TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 | 58643.80 | 191.65 | 1074.00 | 66.00 |  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1971

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	66.00	39.00	30.10	21.10	19.20	62.30	34.50	241.00	598.00	164.00	103.00	54.00
2	64.00	42.00	29.60	21.10	19.00	58.30	37.00	241.00	389.00	158.00	94.00	52.40
3	61.00	38.00	28.30	20.60	19.00	57.50	41.00	290.00	305.00	133.00	92.00	63.10
4	59.00	37.00	30.60	21.30	19.20	49.00	35.50	261.00	305.00	174.00	94.10	64.00
5	59.00	36.00	32.10	27.80	23.10	42.20	43.00	168.00	299.00	186.00	143.00	55.30
6	63.00	36.00	30.60	24.30	22.40	39.30	53.10	120.00	1010.00	403.00	140.00	49.70
7	69.00	35.00	30.00	29.80	20.60	36.00	37.10	105.00	389.00	406.00	109.00	48.40
8	68.00	34.00	28.70	27.40	19.20	32.50	36.00	103.00	324.00	346.00	97.90	47.10
9	61.00	34.00	28.30	27.00	18.80	36.00	45.00	96.60	252.00	356.00	84.50	45.80
10	59.00	37.00	27.80	26.00	19.00	30.50	42.20	79.10	207.00	296.00	81.20	44.50
11	58.00	44.00	27.00	27.40	19.20	51.70	41.60	133.00	195.00	269.00	79.10	44.00
12	56.00	39.00	26.20	26.00	20.00	64.80	70.20	90.40	174.00	269.00		43.40
13	56.00	35.00	25.40	23.60	20.60	64.80	64.80	72.00	160.00	200.00		42.80
14	55.00	53.00	25.00	22.00	59.10	52.40	60.00	63.10	140.00	200.00		41.60
15	53.00	48.00	24.70	20.10	37.00	57.00	61.50	78.00	123.00	272.00		40.40
16	52.00	40.00	24.30	19.80	38.20	140.00	108.00	67.40	110.00	243.00		39.30
17	51.00	39.00	24.00	19.70	43.40	145.80	137.00	101.00	101.00	202.00		39.30
18	50.00	41.00	24.00	19.50	78.00	79.10	103.00	90.40	142.00	376.00		40.00
19	49.00	41.00	24.00	19.00	137.00	120.00	68.50	139.00	137.00	491.00		39.30
20	48.00	39.00	23.30	18.30	61.40	63.10	61.00	106.00	117.00	403.00		39.00
21	64.00	37.00	24.30	18.00	43.00	41.60	61.00	81.20	131.00	399.00		38.20
22	57.00	35.00	24.00	17.30	37.00	37.10	64.80	82.30	159.00	366.00		37.70
23	49.00	34.00	23.60	17.30	42.20	43.40	45.00	195.00	143.00	278.00		42.80
24	48.00	34.00	23.00	17.00	37.00	34.00	97.90	137.00	177.00	210.00		51.10
25	47.00	33.00	23.00	16.40	31.50	28.30	73.00	188.00	275.00	111.00		48.40
26	46.00	37.00	22.40	17.00	30.10	30.10	63.10	232.00	159.00	225.00		43.40
27	45.00	31.00	22.10	17.00	28.70	26.50	86.80	284.00	151.00	190.00		41.00
28	41.00	31.00	21.80	16.40	30.10	26.50	85.40	327.00	130.00	174.00		41.00
29	41.00		21.80	17.00	38.20	30.50	109.00	308.00	126.00	142.00		48.40
30	40.00		21.30	17.00	62.30	33.50	81.20	420.00	134.00	142.00		45.00
31	39.00		21.30		75.00		195.00	618.00	110.00			40.40
TOTAL	1674.00	1059.00	792.60	632.20	1168.50	1613.80	2142.20	5444.50	7062.00	7894.00	1117.80	1410.80
AVERAGE	54.00	37.82	25.57	21.07	37.69	53.79	69.10	174.66	235.40	254.65	101.62	45.51
MAXIMUM	69.00	53.00	32.10	29.80	137.00	145.80	195.00	618.00	1010.00	491.00	143.00	64.00
MINIMUM	39.00	31.00	21.30	16.40	18.80	26.50	34.50	63.10	101.00	110.00	79.10	37.70

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* 31981.40 \*\*\*\*\*  
 \*\*\*\*\* 92.43 \*\*\*\*\*  
 \*\*\*\*\* 1010.00 \*\*\*\*\*  
 \*\*\*\*\* 16.40 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1972

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	38.20	25.30	23.80	17.60	18.80	42.80	25.30	89.20	74.00	217.00	113.00	42.10
2	37.10	24.90	23.10	17.60	18.60	36.60	29.60	62.30	146.00	356.00	114.00	41.30
3	37.00	24.90	22.80	16.40	18.40	30.10	24.90	48.40	185.00	235.00	94.00	44.00
4	37.00	24.90	22.10	23.10	19.00	27.00	23.80	41.00	199.00	484.00	84.50	41.30
5	37.00	27.00	21.80	20.90	18.40	26.50	23.10	39.30	179.00	392.00	116.00	40.60
6	37.00	27.80	21.60	19.20	59.10	26.10	23.10	39.90	447.00	440.00	86.90	38.50
7	37.00	26.50	21.60	18.60	41.00	146.00	32.50	32.50	230.00	302.00	74.50	37.00
8	36.00	25.70	20.90	18.40	26.50	190.00	23.50	32.00	140.00	195.00	75.60	36.00
9	35.50	24.90	20.60	18.20	26.50	118.00	28.30	60.70	181.00	133.00	85.70	35.40
10	35.00	24.90	20.60	18.60	27.80	88.00	29.20	92.80	113.00	107.00	92.80	35.40
11	34.00	25.70	20.90	18.20	22.10	64.00	24.20	188.00	129.00	92.80	162.00	34.20
12	34.00	26.10	21.80	17.60	38.20	49.70	24.60	185.00	99.20	92.80	127.00	35.40
13	36.00	25.30	20.90	19.50	27.00	42.80	22.40	170.00	114.00	122.00	101.00	35.40
14	33.50	24.60	20.60	18.80	25.70	40.00	24.20	113.00	99.20	120.00	85.70	37.00
15	32.00	24.20	20.60	17.80	23.50	58.30	22.80	138.00	77.00	187.00	78.90	35.00
16	31.00	23.80	20.00	17.40	27.00	44.00	22.80	131.00	72.00	261.00	72.40	37.00
17	30.50	23.10	20.00	17.40	36.60	34.00	21.80	246.00	93.00	205.00	69.20	92.00
18	30.10	22.80	19.40	18.20	55.30	29.20	27.00	190.00	78.00	205.00	64.10	78.90
19	30.10	24.90	19.40	59.00	34.90	27.80	49.00	257.00	90.40	277.00	57.30	56.40
20	31.50	29.60	19.20	48.40	32.00	27.00	60.70	138.00	120.00	330.00	62.10	48.00
21	30.50	28.70	19.20	26.10	30.10	73.00	45.20	100.00	165.00	357.00	61.20	42.80
22	29.60	26.50	19.00	21.80	25.00	46.50	118.00	126.00	92.80	354.00	82.30	39.90
23	29.10	25.30	19.20	20.60	22.10	42.80	168.00	149.00	106.00	266.00	61.20	38.00
24	28.30	25.30	19.00	19.50	21.30	37.10	79.10	157.00	118.00	195.00	56.40	37.20
25	27.00	24.90	18.60	18.80	25.00	36.60	91.60	85.60	123.00	163.00	52.80	36.00
26	26.50	24.20	18.40	18.20	40.00	33.00	133.00	72.00	101.00	139.00	50.10	35.00
27	26.10	23.50	18.40	18.00	47.10	31.50	110.00	79.00	272.00	125.00	47.60	38.00
28	27.80	24.90	18.40	17.80	47.10	28.30	86.80	64.80	302.00	117.00	45.10	38.00
29	27.80	25.30	18.20	17.60	117.00	28.30	77.00	102.00	152.00	109.00	44.40	35.00
30	26.50	25.00	18.00	17.60	68.30	28.30	77.00	78.00	214.00	96.40	42.80	33.10
31	25.70	25.00	17.80	17.80	41.60	81.20	65.70	117.00	117.00	117.00	33.10	33.10
TOTAL	994.40	735.50	626.50	646.60	1081.60	1533.30	1629.70	3373.20	4524.60	6772.00	2360.60	1887.00
AVERAGE	32.08	25.36	20.21	21.55	34.89	51.11	52.57	108.81	150.82	218.45	78.69	41.52
MAXIMUM	38.20	29.60	23.80	59.00	117.00	190.00	168.00	257.00	447.00	484.00	162.00	92.00
MINIMUM	25.70	22.80	17.80	17.40	18.40	26.10	21.80	32.00	72.00	92.80	42.80	33.10

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 25565.00 69.85 484.00 17.40 \*\*\*\*\*



DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1974

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	27.80	21.00	27.80	20.50	12.60	25.00	278.00	107.00	129.00	299.00	245.00	53.40
2	27.80	21.00	22.60	20.20	13.00	49.90	206.00	85.80	102.00	221.00	169.00	51.60
3	33.20	20.50	20.20	20.20	12.30	131.00	171.00	72.40	92.50	555.00	135.00	51.00
4	29.70	19.80	19.40	20.00	12.30	84.70	134.00	62.40	86.90	1011.00	94.60	49.20
5	29.70	19.80	19.20	20.00	12.00	45.20	94.90	140.00	82.50	653.00	73.20	47.30
6	29.10	19.80	19.20	19.70	14.90	34.00	74.30	97.30	90.30	532.00	97.80	45.50
7	28.20	19.40	19.00	19.70	32.50	28.30	94.90	93.70	93.70	350.00	76.80	43.60
8	28.00	19.20	18.60	19.70	27.00	25.40	53.10	69.50	227.00	237.00	66.00	41.80
9	28.00	19.10	18.90	19.70	22.70	22.60	51.40	60.70	255.00	221.00	57.50	39.90
10	27.90	21.50	20.20	19.00	20.60	18.20	54.30	57.40	197.00	214.00	66.00	36.70
11	27.80	26.10	22.60	19.20	21.40	20.60	70.50	81.50	128.00	264.00	60.50	30.60
12	27.70	22.60	19.00	19.20	18.20	24.60	77.30	93.70	134.00	324.00	63.50	31.80
13	26.80	21.00	19.00	19.50	17.00	22.90	66.80	171.00	159.00	319.00	59.30	26.90
14	26.50	20.50	18.90	19.50	24.10	34.00	60.70	98.50	162.00	402.00	59.30	26.70
15	26.50	19.80	19.00	19.20	33.50	46.50	59.90	114.00	157.00	297.00	60.50	26.70
16	26.50	19.40	23.80	19.20	23.70	89.10	71.40	86.90	287.00	763.00	56.30	27.70
17	26.80	19.20	20.20	19.20	34.00	199.00	53.60	89.10	458.00	675.00	64.10	39.90
18	26.50	18.90	18.90	19.20	58.20	151.00	48.50	102.00	224.00	387.00	54.60	38.00
19	25.60	18.90	19.00	19.50	19.00	103.00	49.20	119.00	2639.00	261.00	56.90	27.70
20	25.60	18.80	18.40	19.20	57.40	94.90	102.00	115.00	1360.00	287.00	56.90	33.00
21	25.60	18.60	17.70	19.00	89.10	84.70	146.00	81.50	1226.00	118.00	50.40	31.80
22	28.60	18.40	17.20	19.00	150.00	119.00	182.00	65.90	686.00	102.00	49.20	30.00
23	27.90	18.10	16.60	18.70	84.70	92.50	282.00	98.50	417.00	125.00	66.00	29.40
24	24.40	18.40	15.80	18.70	123.00	65.90	210.00	99.70	347.00	419.00	59.30	27.70
25	23.20	18.40	15.00	18.50	77.30	52.10	134.00	90.30	575.00	305.00	51.00	31.20
26	23.20	19.80	16.60	18.50	60.70	50.60	98.50	212.00	512.00	218.00	52.80	30.60
27	25.00	33.70	14.00	18.30	39.20	154.00	80.40	225.00	509.00	148.00	49.80	30.60
28	24.40	28.60	14.10	18.70	34.00	259.00	67.70	299.00	414.00	102.00	49.20	30.00
29	23.20	13.00	13.00	18.50	27.80	271.00	68.60	197.00	297.00	486.00	49.20	30.60
30	22.00	14.10	14.10	18.50	26.40	229.00	65.90	156.00	223.00	167.00	54.00	30.00
31	22.00	13.10	13.10	18.30	25.40	79.40	79.40	141.00	320.00	320.00	29.40	29.40
TOTAL	825.20	580.30	571.20	578.00	1272.70	2627.70	3256.70	3584.00	114259.90	110662.00	2203.70	1102.30
AVERAGE	26.62	20.73	18.43	19.27	41.05	87.59	105.05	115.61	475.33	343.94	73.46	35.56
MAXIMUM	33.20	33.70	27.80	20.50	150.00	271.00	282.00	299.00	2639.00	1011.00	245.00	53.40
MINIMUM	22.00	18.10	13.00	18.30	12.00	18.20	48.50	57.40	82.50	102.00	49.20	26.70

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 41523.70 113.76 2639.00 12.00 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1975

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	28.90	32.40	20.10	15.10	13.60		22.90	23.30	144.00	595.00	1429.00	102.00
2	28.30	50.60	20.10	14.90	13.60		27.70	45.50	676.00	451.00	1548.00	100.00
3	30.60	28.30	20.20	14.90	13.60		39.20	36.10	798.00	350.00	780.00	96.70
4	31.20	26.10	20.20	14.90	13.60		22.20	33.00	180.00	373.00	819.00	94.60
5	39.90	25.60	20.40	14.90	13.50		20.00	29.40	175.00	327.00	812.00	92.50
6	34.90	23.20	20.40	14.90	13.50		46.10	26.70	260.00	350.00	676.00	89.50
7	31.80	22.90	17.90	14.90	13.60		34.90	30.60	185.00	298.00	562.00	89.50
8	30.00	22.90	19.50	14.90	13.60		39.20	28.90	460.00	331.00	711.00	87.60
9	27.70	22.90	19.20	14.60	13.40		33.00	40.50	984.00	223.00	644.00	85.80
10	26.70	21.20	19.20	14.60	13.40		23.80	54.60	660.00	157.00	439.00	84.90
11	26.10	21.50	18.90	14.60	13.40		20.10	49.80	358.00	145.00	365.00	84.90
12	28.90	21.20	18.90	14.60	13.40		18.90	44.30	456.00	162.00	301.00	81.50
13	33.00	20.70	18.60	14.30	13.40		17.70	44.90	180.00	147.00	241.00	76.80
14	32.40	20.30	18.30	14.30	14.10		17.30	37.40	244.00	791.00	263.00	74.60
15	30.00	20.20	18.00	14.30	17.70		16.70	22.20	134.00	358.00	217.00	73.20
16	27.20	20.20	17.70	14.30	44.30		16.40	20.00	94.60	819.00	183.00	73.20
17	25.60	20.10	17.30	14.10	48.60		20.50	46.70	77.60	284.00	166.00	72.50
18	24.70	20.00	17.00	14.10	46.70		18.90	60.50	95.60	168.00	151.00	69.20
19	24.20	20.00	17.00	13.80	20.90		13.60	66.00	134.00	238.00	145.00	66.60
20	23.80	20.00	16.70	13.80	18.30		16.10	65.40	108.00	373.00	145.00	65.40
21	23.80	20.00	16.70	13.60	17.70		18.60	62.90	82.00	1010.00	140.00	68.50
22	27.20	20.00	16.40	13.60	17.00		23.80	69.80	398.00	632.00	140.00	72.50
23	27.70	20.20	16.40	13.60	16.40		20.20	72.50	1051.00	320.00	138.00	67.20
24	27.20	20.10	16.10	13.80	14.90		32.40	73.90	846.00	162.00	138.00	64.70
25	26.70	20.20	16.10	13.80	18.90		30.00	66.00	762.00	162.00	132.00	63.50
26	26.10	20.20	15.70	13.60	21.50		24.70	52.90	481.00	142.00	127.00	60.50
27	25.10	20.00	15.40	13.60	20.20		20.20	45.50	323.00	301.00	124.00	59.90
28	27.20	20.00	15.40	13.60	76.10		20.00	43.00	226.00	180.00	120.00	59.90
29	38.00	20.00	15.10	13.60	55.20		19.70	67.90	175.00	180.00	115.00	57.50
30	40.50	20.00	15.10	13.60	41.10		20.10	51.00	147.00	624.00	107.00	56.30
31	37.40	20.00	14.90	13.60	33.00		20.10	62.90	1078.00	142.00	107.00	55.80
TOTAL	912.80	641.00	548.90	427.20	716.80		735.00	1474.10	110894.80	11731.00	11878.00	2347.30
AVERAGE	29.45	22.89	17.71	14.24	23.19		23.71	47.55	365.16	378.42	395.93	75.72
MAXIMUM	40.50	50.60	20.40	15.10	76.10		46.10	73.90	1051.00	1078.00	1548.00	102.00
MINIMUM	23.80	20.00	14.90	13.60	13.40		13.60	20.00	77.60	142.00	107.00	55.80

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 42308.90 126.20 1548.00 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1976

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	53.40	50.40	31.80	20.00	32.30	32.40	236.00	67.20	377.00	325.00	87.30	68.20
2	52.80	47.40	30.60	20.00	53.50	31.00	174.00	84.30	181.00	230.00	89.20	65.40
3	51.60	46.10	28.90	20.00		38.60	193.00	160.00	147.00	143.00	85.50	
4	51.00	44.30	28.30	20.00		53.10	198.00	153.00	121.00	148.00	80.00	136.00
5	50.40	43.60	27.20	20.00	26.70	151.00	258.00	166.00	146.00	135.00	75.70	111.00
6	48.60	44.30	27.20	20.00	26.70	241.00	227.00	123.00	157.00	140.00	84.50	88.30
7	48.00	44.30	26.10	20.00	24.70	452.00	241.00	122.00	154.00	201.00	181.00	80.00
8	47.40	43.00	27.20	20.00	26.70	439.00	237.00	112.00	117.00	335.00	210.00	72.30
9		42.40	26.70	22.50		576.00	157.00	98.00	97.60	370.00	152.00	65.00
10	46.70	41.80	24.10	69.90	20.50	755.00		101.00	89.20	374.00	150.00	70.60
11	48.60	41.10	25.10		20.30	828.00	135.00	109.00	83.60	370.00	106.00	73.90
12	51.60	39.30	24.20	22.50	20.10	1079.00	136.00	195.00	79.10	329.00	94.10	
13	55.20	38.60	23.80	21.50	20.00	826.00	126.00	152.00	96.30	197.00	90.20	
14	51.00	38.00		20.50	21.90	442.00	128.00	106.00	81.20		82.70	91.10
15		38.00	23.30		40.20	200.00	117.00					
16		43.60			37.00	156.00	106.00		104.00			
17	50.40		22.90		30.60	157.00	101.00		106.00	596.00		
18	54.60		22.20	23.00	40.30	177.00	97.00	81.80	114.00	383.00	78.30	83.60
19	53.40	33.60	21.80	66.10	66.50	272.00	98.00	76.50	117.00	222.00	80.90	76.50
20	51.60	33.60	21.50	61.60	51.80	883.00	118.00	73.50	92.80	184.00	76.50	70.60
21	58.10	32.40	21.20	45.60	35.40	629.00	105.00	75.70	91.80	238.00	72.30	75.70
22	71.80		20.90	33.20	46.40	666.00	95.00	75.20	76.50	224.00	69.00	74.80
23	85.00		20.90	26.50	47.10	281.00	92.00	92.80	73.10		71.40	69.00
24		37.40	20.70	21.50	47.40	710.00	106.00	125.00	69.00	175.00	71.40	64.20
25		35.50	20.70	20.60	46.10	580.00		120.00	80.90	153.00	73.10	
26		34.20	20.70	28.20	41.80	897.00	134.00	132.00	149.00	135.00	71.40	66.60
27	52.20	33.60	20.50	27.40	45.00	1160.00	119.00	136.00	136.00	126.00	65.00	65.00
28	50.40	33.60	20.30	42.20	35.70	654.00	95.30	97.30	126.00	109.00	62.70	61.90
29	56.40	33.60	20.20	45.70		452.00	101.00	124.00		129.00	59.70	58.20
30	54.60		20.10	35.70		321.00	90.40	242.00		102.00	58.20	
31	51.00		20.00		34.90		81.80	304.00				
TOTAL	1345.80	993.70	714.00	784.20	939.60	14139.10	4102.50	3504.30	3249.10	6073.00	2458.10	1685.90
AVERAGE	53.83	39.75	23.80	30.55	36.14	471.30	141.47	135.15	120.34	233.58	91.04	76.83
MAXIMUM	85.00	50.40	31.80	69.90	66.50	1160.00	258.00	304.00	377.00	596.00	210.00	136.00
MINIMUM	46.70	32.40	20.00	20.00	20.00	31.00	81.80	67.20	69.00	102.00	58.20	58.20

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 ANNUAL  
 \*\*\*\*\*  
 TOTAL AVERAGE MAXIMUM MINIMUM  
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 39999.30 124.61 1160.00 20.00  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1977

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	35.50	27.10	18.90	18.90	777.00	119.00		69.10	65.10	65.10	46.60	
2	33.90	31.80	18.90	46.00	606.00		367.00	83.40	58.90	69.00	46.00	
3	33.40	29.90	18.50	51.90	236.00		188.00	97.80	115.00	142.00	45.30	
4	32.90	28.40	18.20	75.50	166.00		116.00	95.30	90.50	124.00	43.50	
5	32.90	28.00	18.20	59.50	124.00		129.00	71.80	126.00	126.00	41.70	
6	32.30	27.10	17.80	51.90	947.00	132.00		93.30	64.20	94.10	41.10	
7	46.00	26.60	46.20	46.20	467.00	126.00		94.20	58.90	86.40	80.90	39.40
8	45.30	26.60	48.00	48.00	237.00	103.00		80.20	74.80	71.40	39.40	
9	44.70	26.20	40.90	40.90	207.00	99.90		117.00	68.20	63.40	38.20	
10	44.10	26.20	74.70	20.80	231.00	77.40		96.10	66.60	64.20	59.70	37.70
11	43.50	25.30	20.80	20.80	160.00	69.00		97.30	61.20	55.30	46.00	
12	43.50	24.80	21.20	21.20	41.70	64.20		87.00	92.30	39.90		
13	42.30	24.40	21.20	21.20	33.90	87.30		83.60	80.70	79.10	73.50	
14	41.70	24.00	20.40	20.40	40.00	75.70		81.80	73.40	69.00	47.90	
15	41.10	23.60	20.40	20.40	31.30	125.00		80.40	65.80	61.20	48.10	
16	40.50	23.20	20.00	20.00	28.00	166.00		88.30	63.40	61.90	56.70	45.70
17	39.90	22.30	19.60	25.30	131.00	66.60		89.30	76.70	58.90	53.90	37.70
18	39.90	22.30	19.30	32.20	135.00	60.40		84.00	86.70	56.00	214.00	35.50
19	43.50	21.90	25.70	25.70	56.30	129.00		57.50	182.00	53.90	54.60	34.90
20	42.30	21.60	27.10	27.10	33.90	137.00		91.60	154.00	53.20	100.00	44.70
21	41.10	21.60	23.20	23.20	30.40	151.00		92.70	104.00	65.80	80.90	36.60
22	39.90	21.20	22.30	22.30	167.00	74.10		84.50	81.80	61.20	66.70	44.70
23	38.80	21.20	20.00	20.00	25.70	125.00		69.00	70.60	58.90	65.30	
24	38.20	21.20	21.20	21.20	24.40	102.00		67.40	91.60	54.60	54.60	44.10
25	38.20	20.40	20.40	20.40	23.20	128.00		92.60	78.30	64.20	69.30	
26	37.70	20.40	20.40	26.60	40.30	65.00		90.10	148.00	56.00	56.70	38.20
27	38.20	20.00	20.00	23.20	34.40	146.00		89.00	152.00	117.00	55.30	37.10
28	37.70	27.50	20.80	20.80	160.00	68.20		70.60	375.00	73.10	51.90	37.70
29	37.10	19.60	19.60	19.60	117.00	117.00		63.40	219.00	94.00	49.80	36.60
30	36.60	19.30	33.40	33.40	129.00	130.00		59.70	201.00	48.50	48.50	35.50
31	36.00	19.30	189.00	189.00								
TOTAL	1017.80	901.30	735.10	570.00	1392.10	6370.00	2131.10	3108.90	3122.80	1963.90	2069.20	1248.60
AVERAGE	40.71	32.19	23.71	21.92	49.72	227.50	78.93	107.20	107.68	75.53	71.55	43.06
MAXIMUM	46.00	38.80	31.80	33.90	189.00	947.00	132.00	367.00	375.00	126.00	142.00	73.50
MINIMUM	36.00	27.50	19.30	17.80	23.20	75.70	54.60	59.70	58.90	53.20	48.50	34.90

ANNUAL

TOTAL	24630.80
AVERAGE	73.52
MAXIMUM	947.00
MINIMUM	17.80



DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1978

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	42.90	21.90	18.50	18.50	18.50	189.00	189.00	106.00	106.00	238.00	91.60	65.60
2	32.90	37.70	20.80	18.90	15.20	266.00	266.00	149.00	149.00	238.00	112.00	59.00
3	31.80	35.50	20.40	17.80	15.20	109.00	206.00	163.00	163.00	206.00	111.00	56.70
4	54.10	33.90	19.60	17.50	16.50	83.90	121.00	121.00	411.00	241.00	98.30	55.20
5	41.50	38.20	20.00	16.50	13.60	77.00	130.00	169.00	589.00	203.00	87.40	53.70
6	36.00	41.70	21.40	16.50	12.50	107.00	93.30	149.00	361.00	234.00	82.30	52.90
7	33.90	39.90	23.60	16.80	12.50	227.00	94.80	155.00	338.00	153.00	101.00	50.80
8	31.80	36.60	21.60	16.50	12.20	143.00	138.00	138.00	296.00	138.00	101.00	52.90
9	32.90	32.90	20.40	16.10	12.20	92.60	120.00	243.00	134.00	134.00	82.30	59.00
10	36.60	30.80	19.60	15.80	12.20	92.00	92.00	98.30	122.00	122.00	75.50	115.00
11	34.40	29.90	19.30	15.50	13.10	113.00	113.00	85.30	158.00	118.00	98.80	98.80
12	32.90	68.90	19.30	14.80	12.50	58.20	80.30	80.30	138.00	116.00	70.00	93.30
13	31.30	28.40	18.90	14.50	11.90	61.30	176.00	125.00	122.00	101.00	65.60	94.90
14	30.40	28.00	18.50	17.00	12.20	83.90	229.00	132.00	118.00	122.00	64.80	141.00
15	33.90	17.80	17.80	26.20	19.30	26.70	163.00	104.00	105.00	122.00	63.10	118.00
16	32.30	25.70	17.50	19.00	21.20	161.00	236.00	93.80	108.00	159.00	107.00	89.50
17	30.60	24.80	17.10	16.80	17.10	116.00	270.00	108.00	93.80	385.00	81.30	77.40
18	28.90	24.40	18.90	15.50	14.50	87.00	286.00	178.00	28.40	276.00	71.80	71.80
19	28.00	23.60	21.20	14.50	14.20	73.80	305.00	125.00	94.90	203.00	65.60	65.60
20	27.10	23.60	23.60	13.90	23.30	122.00	203.00	104.00	105.00	217.00	68.20	62.30
21	28.00	24.00	22.80	17.40	38.70	97.20	236.00	93.80	94.00	179.00	66.50	59.00
22	29.40	24.00	21.60	46.10	36.90	117.00	221.00	151.00	195.00	148.00	72.70	56.70
23	31.80	28.90	23.90	53.90	32.40	106.00	307.00	142.00	132.00	126.00	66.50	54.40
24	29.90	25.70	23.50	32.50	87.10	91.00	260.00	168.00	144.00	114.00	107.00	52.90
25	28.90	24.40	23.20	29.40	280.00	74.10	176.00	148.00	151.00	105.00	98.00	98.00
26	28.90	23.60	24.00	29.40	243.00	68.90	156.00	184.00	153.00	98.30	80.30	51.50
27	29.40	23.20	22.30	24.00	101.00	94.60	130.00	312.00	366.00	137.00	72.70	50.10
28	30.40	23.20	21.90	20.40	124.00	150.00	113.00	275.00	275.00	137.00	67.30	49.40
29	33.40	20.90	20.90	18.90	155.00	112.00	105.00	136.00	188.00	106.00	63.10	48.70
30	65.00	18.90	17.80	17.80	112.00	143.00	90.50	130.00	313.00	87.90	61.40	47.30
31	58.20	17.90	17.90	23.00	231.00	111.00	106.00	106.00	80.30	80.30	45.30	45.30
TOTAL	1034.40	844.40	593.50	628.40	1722.80	2683.20	4839.60	3336.40	6000.10	4787.50	2217.90	2048.70
AVERAGE	34.48	31.27	20.47	20.95	57.43	103.20	179.24	136.02	214.29	159.58	82.14	68.29
MAXIMUM	65.00	68.90	24.00	53.90	280.00	227.00	307.00	312.00	661.00	365.00	112.00	141.00
MINIMUM	27.10	23.20	17.10	13.90	11.90	26.70	90.50	77.70	88.40	80.30	61.40	45.30

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE \*\*\*\*\* MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 30936.90 \*\*\*\*\* 90.99 \*\*\*\*\* 661.00 \*\*\*\*\* 11.90 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUCING STATION

YEAR : 1979

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1		26.20										
2	44.00	25.80										
3	46.00	24.90										
4	45.30	24.50										
5	44.70	23.60										
6	44.00	23.60										
7	42.80	23.20										
8	42.10	22.80										
9	44.70	23.20										
10	44.00	25.80										
11	42.10	29.40										
12	40.30	29.00										
13	39.50	27.60										
14	37.30	28.00										
15	36.20	27.60										
16	36.20	26.20										
17	36.20	25.30										
18	35.10	23.60										
19	34.60	22.80										
20	34.00	23.60										
21	33.00	24.00										
22	31.90	25.60										
23	31.40	23.20										
24	30.90	22.00										
25	29.40	20.90										
26	29.40	20.50										
27	29.00	21.20										
28	23.20	21.20										
29	23.20											
30	23.20											
31	22.80											
TOTAL	1075.50	683.30										
AVERAGE	35.85	24.40										
MAXIMUM	46.00	29.40										
MINIMUM	22.80	20.50										

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\*  
 TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 \*\*\*\*\*  
 1758.80 | 30.32 | 46.00 |  
 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1981

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1									401.00	237.00		54.60
2									357.00		148.00	53.60
3							113.00		373.00		160.00	57.30
4							119.00		355.00	251.00	134.00	51.70
5							100.00		253.00	212.00	118.00	
6								86.80			108.00	84.70
7							92.50		650.00	361.00	108.00	82.70
8								433.00	433.00	382.00	102.00	66.50
9								546.00	546.00	266.00	98.50	66.50
10						177.00		382.00	382.00	258.00		84.10
11						186.00		275.00	275.00	367.00	89.60	82.70
12						138.00		618.00	618.00	366.00	88.20	70.00
13						317.00		297.00	662.00	234.00	85.50	62.00
14						262.00		400.00	400.00	188.00	81.40	58.70
15						187.00		276.00	276.00	162.00	78.80	55.60
16						146.00		1199.00	1199.00	150.00	76.20	53.60
17						128.00		476.00	476.00	140.00	73.70	50.70
18						171.00		394.00	394.00	128.00	70.00	49.80
19						202.00		381.00	381.00	121.00	68.80	49.80
20						130.00		288.00	288.00		66.50	
21						108.00		254.00	269.00	128.00	65.40	
22						219.00		366.00	231.00	142.00	63.10	
23						159.00		665.00	136.00	136.00	62.00	57.70
24						178.00		429.00	284.00	142.00	59.80	54.60
25						194.00		1697.00	1135.00	226.00	57.70	
26							1194.00	591.00	591.00	178.00	55.60	50.70
27							148.00	650.00	455.00	199.00	54.60	47.90
28							110.00	291.00	291.00	293.00	53.60	46.10
29							123.00	485.00	280.00	238.00		44.30
30							122.00	269.00	298.00	225.00	55.60	42.60
31							106.00	242.00		181.00		
TOTAL							3513.00	8093.30	12395.00	5911.00	2282.60	1478.50
AVERAGE							167.29	423.96	459.07	218.93	84.54	59.14
MAXIMUM							317.00	1697.00	1199.00	382.00	160.00	84.70
MINIMUM							108.00	86.80	231.00	121.00	53.60	42.60

\*\*\*\*\*  
 | ANNUAL  
 |\*\*\*\*\*  
 | TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 |\*\*\*\*\*  
 | 35673.40 | 230.64 | 1697.00 | 42.60 |  
 |\*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1982

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	41.80	30.60	28.60								145.50	65.60
2	40.90	29.90	28.60								140.60	64.50
3	40.10	29.20	29.30	28.00	11.40						128.20	63.40
4	38.50	29.20	32.60	27.30	12.80						110.30	62.30
5	40.90	29.90	28.00	26.70	20.50						149.90	72.30
6	49.80	30.60	24.90	26.70	18.60						175.90	64.50
7	43.50		23.20	26.10	11.70						144.30	69.80
8	41.80	29.20	24.40		12.00						124.80	65.60
9	42.60	35.00	26.70		24.90						115.00	62.30
10	41.80	37.50	28.00	26.10	25.60						115.00	59.20
11	40.90	42.40	29.90	26.10	22.10						123.20	57.20
12	38.50	33.30	28.60	27.30	22.70						111.90	55.20
13	36.20	29.90	26.70	26.70	35.50						102.70	54.20
14	36.20		24.90	26.70	29.20						98.40	53.30
15	34.80		23.80	23.20	21.00						94.10	52.30
16	34.80		23.20	20.00	23.80						91.40	52.30
17	34.00		22.10	18.10	22.70						88.70	56.20
18	33.30		22.10	11.40	44.40						88.70	
19	32.60	28.60	21.00	11.70	57.40						92.70	
20	36.20	29.90	21.00	19.50	366.00							60.20
21	34.80	32.60	20.50	19.10	179.00							58.20
22	34.00	30.60	20.00	11.70	121.00							55.20
23	32.60	26.70	20.00	12.40	161.00							52.30
24	31.20		20.00	12.40	348.00							50.40
25	31.20		20.00	12.40	198.00							73.50
26	31.90		19.50	12.40	128.00							48.60
27	30.60	24.40	19.50	12.40	92.60							52.30
28	29.90	24.40	19.10	12.40	75.00							52.30
29			19.10	12.40	93.80							49.50
30			19.10	12.40	124.00							48.60
31	29.20		18.60		138.00							46.80
TOTAL	1064.60	583.90	743.00	501.60	2440.70						2909.50	1604.60
AVERAGE	36.71	30.73	23.97	19.29	84.16						103.91	57.31
MAXIMUM	49.80	42.40	39.30	28.00	366.00						175.90	72.30
MINIMUM	29.20	24.40	18.60	11.40	11.40						66.70	46.80

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 9847.90 51.83 366.00 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1983

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	40.70	54.80	109.00	290.60	823.20	224.50	84.80					
2	58.60	61.40	88.30	223.40	793.50	180.10	124.50					
3	31.90	78.00	121.50	226.20	436.50	168.40	85.20					
4	25.10	90.20	171.40	171.40	355.30	161.50	71.50					
5		81.50	117.90	144.70	486.10	137.10	64.30					
6	17.20	128.30	101.10	136.50	414.90	125.70	60.80					
7	26.40	96.90	150.00	117.50	334.70	111.50	59.70					
8	16.30	211.40	193.90	110.20	294.00	126.00						
9	61.70	438.20	229.60	99.90	333.10	125.20	55.30					
10	68.70	232.80	250.10	193.20	234.90	111.50	53.20					
11	73.50	209.80	133.70	133.70	262.20	135.30	51.20					
12	42.60	128.10	143.20	122.50	208.50	116.00	50.20					
13	50.10	103.30	110.00	95.40	170.40	100.10	48.20					
14	48.30	97.90	114.00	86.50	345.50	106.80	45.30					
15	81.30	97.20	97.80	79.50	234.50	103.50	45.10					
16	76.40	115.30	80.90	97.00	171.90	103.30	56.40					
17	99.60	115.10	98.70	79.50	149.10	113.30	56.70					
18	211.40	100.50	84.40	69.10	241.90	106.50	47.20					
19	96.10	138.90	77.80	67.90	159.20	100.10	47.20					
20	120.20	137.50	82.90	64.30	141.00	90.90	48.20					
21	146.60	198.50	158.60	71.10	139.00	83.70	43.50					
22	143.60	285.90	178.90	75.60	120.30	86.50	41.70					
23	94.20	291.90	203.40	171.90		76.80	39.90					
24	62.80	220.20	140.00	122.10	194.60	71.60	39.10					
25	46.30	220.80	110.90	123.70	257.30	66.70	39.10					
26	78.60	167.00	96.90	144.50	489.40	64.30	42.60					
27	84.00	126.80	122.70	214.60	345.80	60.80	51.20					
28	83.80	150.20	221.20	230.60	234.00	58.60	46.30					
29	51.50	112.40	174.70	410.80	176.00	182.20	40.80					
30	46.70	108.40	122.70	549.00	151.20	111.00	52.10					
31		130.40	143.60		269.20		102.30					
TOTAL		2084.20	4689.60	4210.80	4722.90	8967.20	3409.50	1693.50				
AVERAGE		71.87	151.28	135.83	157.43	293.91	113.65	56.45				
MAXIMUM		211.40	438.20	250.10	549.00	823.20	224.50	124.50				
MINIMUM		16.30	54.80	77.80	64.30	120.30	58.60	39.10				

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 29777.70 141.13 523.20 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

YEAR : 1984

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	76.50	31.90	30.50	18.70	16.40	164.00				18.20	32.70	
2	58.60	31.20	27.70	18.20	14.00	137.10				17.70		
3	53.20	30.50	26.40	17.70	13.60	56.50				17.70	31.20	
4	51.20	29.80	25.10	17.20	13.60	131.30				17.70	31.20	
5	56.40	29.10	24.50	17.20	13.20	166.20				17.70	30.50	
6	60.80	34.20	23.20	17.20	13.20	177.50		8.20		17.20	30.50	
7	52.20	39.90	22.60	17.70	14.00	153.30		8.20		17.20	30.50	
8	45.30	38.20	28.90	17.20	13.60	104.90		7.90		17.20	30.50	
9	42.60	34.20	38.20	17.20	13.20	157.50		7.60		17.20	30.50	
10	40.80	33.40	35.80	16.70	14.10			7.60		17.20	30.50	
11	38.20	34.20	31.90	16.30	21.80	172.90		7.60		17.20	30.50	
12	38.20	35.00	27.00	15.80	30.10	166.20		8.20		17.20	30.50	
13	37.40	31.20	25.10	17.20	21.60	179.80		8.20		17.20	30.50	
14	36.60	29.80	23.80	16.30	17.70	175.20		8.20		17.70	30.50	
15	35.00	28.40	22.60	15.30	16.70			7.90		17.70	30.50	
16	39.10	29.80	22.60	16.70	16.20	8.80		7.90		17.20	29.80	
17	42.60	28.40	22.00	23.70	19.30	8.80		7.90		17.20	29.80	
18	40.80	27.70	22.60	19.30	19.50	8.50		8.50		17.20	29.80	
19	39.90	26.40	21.50	17.20	24.30	8.20		8.50		17.70	29.80	
20	38.20	26.40	23.80	16.30	27.00	8.20	8.50	8.50		30.90	29.80	
21	45.30	25.10	21.50	15.80	21.40		8.50	8.50		31.90	29.80	
22	54.30	25.10	21.50	15.30	16.30		8.50	8.50		31.90	31.20	
23	46.30	24.50	21.50	15.30	14.80		8.80	8.80		31.90	30.50	
24	45.30	25.10	20.90	14.90	16.30		9.50	8.50		31.90	30.50	
25	44.40	25.10	28.60	14.40	16.40			8.50		31.90	29.80	
26	39.90	24.50	41.50	14.40	49.20		8.50	8.80		32.70	29.80	
27	38.20	23.80	25.10	15.80	71.90		8.80	9.80		32.70	29.80	
28	36.60	27.00	21.50	14.90	77.20		9.10	9.80		32.30	29.80	
29	35.00	27.70	19.80	14.40	86.00		8.80	10.80		36.80	29.80	
30	34.20		19.30	14.40	122.80		9.80	9.80		35.00	29.80	
31	34.20		19.30		123.80		11.20	9.10		35.00		
TOTAL	1377.30	857.60	736.30	498.70	967.20	1984.90	100.00	213.60		691.30	880.40	
AVERAGE	44.43	29.57	25.36	16.62	31.20	110.27	9.09	8.54		23.84	30.36	
MAXIMUM	76.50	39.90	41.50	23.70	123.80	179.80	11.20	10.80		36.80	32.70	
MINIMUM	34.20	23.80	19.30	14.40	13.20	8.20	8.50	7.60		17.20	29.80	

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\* 31.66 \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\* 179.80 \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\* 17.20 \*\*\*\*\*

DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1969

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	11.49	11.00	11.00	9.59	68.51	234.64	93.88	154.66	243.61	147.51		
2	11.49	11.00	11.00	9.59	182.25	243.26	97.49	140.57	205.84	159.64		
3	11.00	10.51	11.00	11.00	267.72	225.42	93.88	1629.95	193.52	145.18		
4	13.05	11.00	11.49	11.49	227.51	238.59	78.62	174.71	169.57	133.83		
5	14.74	10.51	14.17	14.05	140.51	222.40	74.06	396.52	154.66	123.04		
6	14.17	9.59	15.94	15.94	400.65	213.48	101.38	876.80	145.18	114.79		
7	13.05	9.15	14.74	14.74	877.74	207.65	110.11	714.74	154.53	108.84		
8	17.19	11.49	9.59	11.00	337.17	199.52	116.50	548.93	177.34	103.07		
9	16.55	11.49	9.59	8.30	223.30	238.50	208.19	373.02	162.01	99.33		
10	15.94	10.51	8.72	8.30	1287.68	201.93	245.17	452.35	142.86	97.49		
11	15.33	10.51	8.30	7.89	896.74	199.11	471.53	570.68	129.45	95.68		
12	15.33	11.49	7.89	8.72	282.67	157.09	625.00	207.09	445.29	123.04		
13	15.33	12.00	7.89	9.59	247.84	164.51	436.88	193.52	396.52	116.82		
14	14.74	12.52	7.50	14.27	330.22	162.01	403.64	282.40	330.99	114.79		
15	14.17	11.00	6.39	32.12	355.04	154.66	306.29	284.12	108.84	103.07		
16	13.60	10.51	8.30	18.49	730.83	149.87	491.19	244.08	104.97	99.33		
17	13.60	10.05	8.30	24.96	732.57	157.09	370.76	219.40	106.89	101.19		
18	13.60	10.51	8.72	32.45	716.79	162.01	298.29	342.14	110.80	103.07		
19	13.60	10.05	7.89	25.12	308.05	149.87	182.64	347.27	118.87	106.89		
20	13.05	9.59	8.30	23.54	233.47	138.50	201.93	367.31	206.11	108.84		
21	13.05	9.59	7.50	21.29	204.78	129.45	154.66	298.87	346.65	104.97		
22	12.52	9.59	8.30	33.24	170.05	127.29	131.63	216.45	250.09	104.97		
23	12.52	10.05	7.89	79.90	120.91	127.29	138.50	289.21	205.97	104.97		
24	12.00	10.05	7.89	67.87	114.82	101.54	133.83	201.93	165.30	101.19		
25	12.00	9.59	7.50	62.51	223.85	88.61	340.75	250.49	145.18	95.68		
26	12.00	10.51	9.13	42.97	231.54	81.87	233.61	210.55	138.30	92.10		
27	11.49	9.59	20.12	45.07	288.88	75.45	219.68	210.55	370.17	156.35		
28	11.49	10.05	16.55	138.82	312.88	69.35	186.74	222.40	287.43	195.80		
29	9.59	15.33	14.160	286.49	69.35	154.66	207.65	373.63	157.09	85.20		
30	10.05	11.00	76.03	247.27	86.90	152.26	279.17	142.86	81.87	80.24		
31	11.00	11.00	61.92	101.19	127.20	101.19	127.20	338.63	80.24	80.24		
TOTAL	289.10	360.37	291.35	1082.49	11053.73	4873.20	6980.55	3188.79	11868.32	4893.29	3282.44	
AVERAGE	13.77	10.98	10.98	9.71	34.92	368.46	157.20	225.18	354.31	395.61	163.11	105.89
MAXIMUM	17.19	14.74	20.12	141.60	1287.68	243.26	625.00	1629.95	376.80	346.65	159.64	159.64
MINIMUM	11.49	9.59	6.39	7.89	68.51	69.35	74.06	140.57	201.93	104.97	80.24	80.24

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 48143.63 \*\*\*\*\*  
 \*\*\*\*\* 157.85 \*\*\*\*\*  
 \*\*\*\*\* 1029.95 \*\*\*\*\*

DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1970

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	78.62	78.62	62.24	41.14	39.00	72.36	133.20	1042.89	396.52	742.80		
2	78.62	69.35	60.77	41.14	39.00	79.08	187.20	789.25	411.85	1230.91		
3	77.03	67.87	56.73	41.14	37.96	85.46	317.55	531.37	361.02	1567.69		
4	77.03	67.87	55.42	40.06	37.96	74.87	316.62	555.88	427.97	1187.15		
5	75.45	69.35	54.13	40.06	37.96	99.33	238.98	386.89	409.46	1368.24		
6	75.45	64.97	52.86	40.06	36.94	85.02	181.24	373.70	371.40	1001.17		
7	81.87	63.55	51.61	40.06	36.94	79.95	152.51	392.17	416.10	655.75		
8	99.33	62.15	50.37	39.00	36.94	110.80	270.26	554.63	631.55	534.20		
9	110.88	62.15	51.61	39.00	35.93	96.45	185.15	548.13	431.28	424.64		
10	104.97	64.97	49.16	39.00	35.93	86.67	147.51	408.03	621.35	388.04		
11	95.68	89.18	49.16	39.00	35.93	107.03	152.26	363.85	574.03	384.70		
12	90.35	78.62	47.96	39.00	35.93	88.61	199.38	487.20	431.24	454.42		
13	85.20	70.84	47.96	39.00	37.96	78.62	392.60	387.98	355.97	422.65		
14	80.24	69.35	47.96	44.47	44.47	73.90	290.38	346.07	298.91	439.49		
15	77.03	67.87	50.37	58.48	54.13	86.52	344.07	280.64	270.36	554.21		
16	73.90	72.36	51.61	72.49	60.77	120.82	324.12	277.19	253.74	427.42		
17	72.36	85.38	50.37	63.55	66.41	116.82	411.78	309.19	295.00	382.97		
18	70.84	92.37	49.16	56.73	78.62	182.69	264.10	294.71	313.73	340.05		
19	69.35	77.03	49.16	50.37	72.36	278.46	348.13	277.05	582.89	569.63		
20	67.87	69.35	47.96	46.78	66.41	234.64	392.27	358.27	984.32	696.60		
21	66.41	64.97	45.61	44.47	62.15	207.65	369.41	287.50	1589.34	533.75		
22	64.97	64.97	44.47	44.47	59.40	201.93	251.22	240.90	1129.87	385.34		
23	64.97	60.77	44.47	43.34	56.73	158.76	216.43	247.12	714.51	359.21		
24	64.97	60.77	44.47	43.34	55.42	125.15	196.30	237.76	519.55	339.43		
25	64.97	59.40	43.34	42.23	58.06	106.89	195.75	258.17	528.81	327.89		
26	63.55	60.77	43.34	42.23	70.03	93.88	296.35	507.75	473.20	312.88		
27	63.55	67.87	42.23	41.14	97.77	85.20	251.77	446.99	488.82	301.90		
28	62.15	64.97	42.23	40.06	143.20	86.90	383.52	1211.75	787.66			
29	62.15		42.23	40.06	111.42	99.33	379.66	726.94	1009.77			
30	67.87		42.23	39.00	88.56	104.64	429.75	546.14	1027.24			
31	77.03		41.14		77.03		720.50	517.15				
TOTAL	2364.66	1947.69	1512.33	1330.87	1807.32	3509.43	8939.97	114213.59	117107.46	16333.13		
AVERAGE	76.28	69.56	48.78	44.36	58.30	116.98	288.39	458.50	570.25	604.93		
MAXIMUM	110.88	92.37	62.24	72.49	143.20	278.46	720.50	1211.75	1589.34	1567.69		
MINIMUM	62.15	59.40	41.14	39.00	35.93	72.36	133.20	237.76	253.74	301.90		

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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 69066.45 230.22 1589.34  
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DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1971

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	99.33	95.68	32.06	27.60	86.09	54.13	320.13	920.44	206.95	131.63	80.24	
2	136.05	103.07	93.88	31.14	27.60	68.45	50.37	306.63	553.75	226.85	180.94	73.90
3	129.45	97.49	92.10	30.23	27.60	76.61	62.15	303.82	397.51	174.35	116.82	77.06
4	127.29	97.49	108.07	34.26	27.60	52.86	52.86	331.24	396.20	207.05	120.94	75.45
5	127.29	101.19	140.72	46.78	29.34	54.13	52.86	210.50	379.04	219.23	160.21	70.84
6	149.87	101.19	142.86	40.06	33.01	52.86	85.29	151.14	874.73	381.24	179.07	67.87
7	152.26	95.68	140.57	48.35	29.34	51.61	53.86	127.29	555.21	710.30	138.30	66.41
8	157.09	95.68	63.70	27.60	27.60	45.61	46.47	129.45	414.03	493.22	127.29	64.97
9	149.87	112.79	54.13	27.60	27.60	45.61	56.09	123.04	303.13	488.70	112.79	62.15
10	136.05	118.87	49.16	27.60	27.60	43.34	52.86	98.48	234.64	312.37	103.07	62.15
11	140.57	127.29	42.23	44.47	27.60	69.11	51.61	149.27	234.64	259.60	101.19	59.40
12	136.05	129.45	40.06	42.23	27.60	78.17	70.41	118.11	196.80	323.67	114.79	59.40
13	127.29	131.63	39.00	40.06	28.46	81.87	80.24	90.35	172.14	253.59	114.79	58.06
14	125.15	129.45	39.00	37.96	37.78	65.12	78.62	78.62	152.26	330.25	114.79	56.73
15	125.15	125.15	37.96	36.94	47.96	70.62	78.62	86.66	131.63	333.17	112.79	56.73
16	123.04	127.29	36.94	34.94	44.98	141.79	117.62	81.83	123.04	276.25	99.33	54.13
17	123.04	120.94	35.93	33.96	62.15	173.54	160.25	113.89	108.84	253.28	93.88	54.13
18	120.94	116.82	35.93	33.01	67.80	100.63	133.83	106.89	164.42	506.32	85.20	54.13
19	120.94	112.79	35.93	32.06	182.90	80.24	77.00	147.26	154.17	668.00	83.53	54.13
20	125.15	108.84	33.96	31.14	85.99	85.20	97.03	128.97	131.63	220.96	84.19	51.61
21	139.45	104.97	33.96	31.14	59.40	70.84	77.03	93.88	142.86	521.91	103.07	51.61
22	125.15	101.19	35.93	31.14	49.16	60.77	64.97	94.26	167.46	476.08	108.84	51.61
23	125.15	99.33	34.94	30.23	50.52	55.42	60.77	116.34	158.83	360.34	120.94	56.73
24	116.82	99.33	33.96	29.34	46.78	49.16	107.41	142.81	173.87	238.07	123.04	80.24
25	114.79	97.49	33.96	28.46	41.14	45.61	93.88	196.54	291.20	220.96	118.87	78.62
26	110.80	95.68	33.01	28.46	39.00	44.47	78.89	242.53	234.26	274.53	108.84	66.41
27	110.80	92.10	33.01	28.46	39.00	40.06	92.10	278.75	180.87	236.79	101.19	60.77
28	88.61	88.61	33.01	27.60	36.94	37.96	75.45	343.50	157.09	214.58	93.88	60.77
29			32.06	27.60	43.09	40.06	147.14	330.63	159.54	168.00	83.53	64.97
30			32.06	27.60	75.45	43.34	110.73	507.59	162.07	167.03	78.62	63.55
31			32.06		86.07	168.63	168.63	918.60	147.51	147.51	78.62	51.61
TOTAL	3365.50	3031.13	1558.78	1086.67	1434.66	2020.68	2387.18	6468.43	8426.30	10216.12	3356.36	1951.50
AVERAGE	129.44	108.25	55.67	36.22	46.28	67.36	83.46	208.66	280.88	329.55	111.88	62.95
MAXIMUM	157.09	131.63	142.86	63.70	152.90	173.54	168.63	918.60	920.44	710.30	179.07	80.24
MINIMUM	110.80	88.61	32.06	27.60	27.60	37.96	44.47	78.62	108.84	147.51	78.62	51.61

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*

1993/1/18 ( MON ) 11:22:20

DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1972

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	52.92	35.93	37.98	24.32	25.12	63.55	37.23	140.45	115.46	251.86	101.98	49.16
2	51.61	35.93	36.94	24.32	25.93	56.73	34.94	99.87	164.14	382.02	114.79	47.96
3	50.37	35.93	35.93	23.54	25.12	49.16	41.74	80.24	222.39	259.23	99.62	49.16
4	49.16	35.93	34.94	40.06	26.76	42.23	33.96	67.87	235.52	551.12	86.90	50.37
5	50.37	39.00	33.96	31.14	25.12	40.39	31.14	59.40	210.05	449.89	118.77	47.96
6	49.16	43.34	33.01	28.46	60.87	37.96	30.23	63.55	458.23	560.13	90.44	45.61
7	49.16	42.23	32.06	25.12	77.90	168.37	42.77	52.86	301.91	347.22	77.03	43.34
8	49.16	39.00	32.06	24.32	42.44	224.52	44.94	47.96	188.05	230.85	78.53	43.34
9	47.96	36.94	32.06	24.32	40.94	159.42	37.25	70.75	236.09	174.82	97.47	42.23
10	46.78	35.93	31.14	23.54	43.37	122.40	41.14	119.80	154.11	145.18	97.26	41.14
11	46.78	39.00	31.14	23.54	33.01	98.27	35.93	207.50	170.61	127.29	183.50	41.14
12	44.47	42.23	32.06	22.77	48.63	73.90	34.94	239.35	131.59	130.91	136.23	43.34
13	49.16	41.14	31.14	24.32	45.61	60.77	32.06	209.15	142.68	136.05	112.79	41.14
14	45.61	40.06	31.14	25.12	40.06	56.58	32.06	198.70	137.28	132.28	97.49	42.23
15	44.47	40.06	30.23	22.77	33.96	85.30	32.06	165.12	113.16	194.22	85.20	41.14
16	43.34	39.00	29.34	22.02	41.55	79.76	32.06	182.52	103.07	298.64	78.62	49.48
17	42.23	39.00	28.46	22.77	39.84	54.88	33.01	256.60	99.33	237.18	73.90	187.87
18	42.23	39.00	28.46	22.77	77.42	45.61	37.47	211.92	113.54	239.46	78.62	188.82
19	42.23	47.91	27.60	57.34	54.36	42.83	65.24	286.24	114.48	319.44	72.36	104.00
20	42.23	77.09	27.60	87.64	47.96	40.06	89.34	194.87	147.38	394.51	66.41	80.24
21	44.47	68.75	27.60	46.27	47.24	92.53	71.39	157.09	196.58	444.75	62.15	66.41
22	42.23	54.13	26.76	34.94	37.96	73.90	135.53	172.76	132.81	434.63	89.32	59.40
23	40.06	45.61	25.93	31.14	33.01	67.83	137.77	190.54	127.33	290.57	67.87	55.42
24	40.06	43.34	25.93	29.34	31.14	57.20	136.67	220.77	149.62	208.41	60.77	51.61
25	39.00	42.23	25.93	26.76	31.14	62.41	130.13	142.27	159.70	166.47	56.73	49.16
26	37.96	40.06	25.93	25.93	55.09	52.86	173.75	116.82	121.57	140.57	54.13	47.96
27	37.96	37.96	25.93	25.12	55.56	49.16	161.46	134.49	278.67	125.15	52.86	57.78
28	39.00	39.00	25.12	24.32	72.87	43.34	124.88	113.67	346.65	114.79	52.86	64.97
29	41.14	42.23	25.12	24.32	118.72	43.34	126.33	156.14	220.09	108.84	52.86	54.13
30	39.00	42.23	25.12	24.32	121.53	42.45	109.18	130.21	226.69	99.33	49.16	49.16
31	37.96	42.23	25.12	24.32	64.45	64.45	118.66	106.89	109.38	109.38	45.61	45.61
TOTAL	1378.24	1237.96	921.74	892.66	1524.68	2187.11	2271.26	4556.37	5518.78	7805.19	2546.62	1861.28
AVERAGE	44.46	42.69	29.73	29.76	49.18	72.90	73.27	146.98	183.96	251.78	84.89	60.04
MAXIMUM	52.92	77.09	37.98	87.64	121.53	224.52	193.77	286.24	458.23	560.13	183.50	188.82
MINIMUM	37.96	35.93	25.12	22.02	25.12	37.96	30.23	47.96	99.33	99.33	49.16	41.14

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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 32701.89 89.35 560.13 22.02  
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DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1973

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	43.76	39.00	29.36	19.17	34.03	57.65	189.88	82.10	260.44	236.60	166.37	58.06
2	42.23	34.94	28.46	19.17	26.76	44.25	116.99	67.87	310.84	409.42	155.01	62.15
3	42.23	35.28	27.60	18.49	23.54	34.94	112.74	77.57	267.55	310.26	116.82	58.06
4	41.14	119.88	25.93	18.49	22.02	55.75	89.03	87.38	223.68	218.38	103.07	54.13
5	39.00	114.07	25.93	18.49	20.57	56.76	72.71	83.53	182.83	155.06	103.07	52.86
6	37.96	83.53	25.12	20.57	19.86	53.40	83.73	114.19	142.86	324.36	93.88	50.37
7	39.00	66.09	25.12	22.02	19.17	62.59	83.55	86.90	129.45	414.56	92.10	66.30
8	37.96	54.13	24.32	22.02	19.17	40.06	101.19	83.28	120.94	503.66	99.80	62.15
9	36.94	46.78	24.32	20.57	18.49	33.96	50.37	61.87	120.94	307.35	90.35	79.91
10	35.93	43.34	23.54	24.48	19.86	59.66	49.16	72.36	104.97	303.30	83.53	77.03
11	35.93	42.23	23.54	25.12	19.17	58.95	47.96	123.14	95.68	316.85	83.53	64.97
12	35.93	42.23	22.77	31.80	17.83	125.38	99.54	104.54	99.32	425.94	78.62	62.15
13	41.14	40.06	22.77	26.76	12.52	71.18	101.59	101.59	118.92	330.21	73.90	59.40
14	43.34	37.96	22.77	22.77	21.91	58.53	127.17	104.11	127.46	279.54	67.87	56.73
15	41.14	36.94	22.02	22.02	23.55	121.66	82.51	99.33	94.53	282.17	96.56	52.86
16	42.23	34.94	22.02	22.02	29.28	44.318	80.24	85.20	250.90	203.09	113.62	50.37
17	45.61	33.96	22.02	19.86	44.81	283.07	85.40	89.16	199.09	203.16	83.53	51.61
18	43.34	30.23	22.77	26.76	12.52	209.36	73.86	69.135	140.03	155.28	75.45	59.40
19	41.14	32.06	23.54	18.49	36.27	182.43	128.39	87.05	143.51	142.86	69.35	52.86
20	37.96	31.14	24.32	18.49	61.84	116.68	163.65	116.56	255.42	123.04	64.97	49.16
21	36.94	30.23	23.54	18.49	80.36	110.61	141.62	90.19	312.95	116.82	60.77	47.96
22	34.94	30.23	22.77	19.17	160.82	129.91	184.55	112.10	325.03	106.89	59.99	55.42
23	33.96	30.23	22.02	20.57	285.12	93.45	149.88	199.82	216.92	148.29	83.53	52.86
24	33.01	29.34	22.02	22.02	143.56	74.15	252.52	265.42	179.05	247.01	73.90	60.77
25	33.01	28.46	21.29	20.57	93.82	62.15	331.03	202.16	135.55	152.95	60.77	45.61
26	32.06	27.60	20.57	19.17	74.38	85.70	229.06	259.05	134.43	211.57	58.06	43.34
27	32.06	27.60	20.57	18.49	45.28	81.46	150.33	209.15	113.79	216.80	54.13	42.23
28	32.06	27.60	19.86	48.86	38.55	115.71	118.87	204.24	118.72	171.78	52.86	41.14
29	32.06	19.86	19.86	43.11	38.93	123.21	106.89	520.68	179.23	254.84	51.61	41.14
30	40.06	19.17	19.17	41.14	48.48	289.58	132.90	428.56	145.64	352.35	54.13	39.00
31	44.47	19.17	19.17	19.17	55.42	99.34	324.22	324.22	219.84	219.84	37.96	37.96
TOTAL	1188.54	1236.86	719.08	701.56	1588.13	3366.09	3924.42	4626.67	5250.57	7844.23	2501.15	1687.96
AVERAGE	38.34	44.03	23.20	23.39	51.23	112.20	126.59	149.25	175.02	253.04	83.37	54.45
MAXIMUM	45.61	119.88	29.36	48.86	285.12	443.18	331.03	520.68	395.03	503.66	166.37	79.91
MINIMUM	32.06	27.60	19.17	18.49	12.52	33.96	47.96	67.87	94.53	106.89	51.61	37.96

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TOTAL	1188.54	1236.86	719.08	701.56	1588.13	3366.09	3924.42	4626.67	5250.57	7844.23	2501.15	1687.96
AVERAGE	38.34	44.03	23.20	23.39	51.23	112.20	126.59	149.25	175.02	253.04	83.37	54.45
MAXIMUM	45.61	119.88	29.36	48.86	285.12	443.18	331.03	520.68	395.03	503.66	166.37	79.91
MINIMUM	32.06	27.60	19.17	18.49	12.52	33.96	47.96	67.87	94.53	106.89	51.61	37.96

\*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*

\*\*\*\*\* 34631.26 94.88 520.68 12.52 \*\*\*\*\*

DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1974

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	36.94	27.60	44.54	18.49	17.19	26.76	333.47	146.16	136.05	394.65	429.66	173.26
2	35.93	27.60	35.93	18.49	17.83	52.75	223.23	104.86	106.89	351.00	353.32	269.95
3	44.49	26.76	32.06	18.49	15.94	127.19	209.88	83.53	99.33	389.14	303.57	282.83
4	54.11	26.76	32.06	17.83	15.33	93.15	154.82	73.90	95.68	970.12	275.95	224.68
5	42.23	26.76	32.06	17.83	15.33	57.89	116.83	156.39	99.33	699.51	256.02	203.29
6	39.00	25.93	29.34	17.83	14.74	41.74	97.49	115.83	85.20	552.82	256.02	194.56
7	37.96	25.12	28.46	17.83	25.82	33.96	83.53	113.51	112.28	539.21	230.52	186.00
8	37.96	25.12	26.76	17.83	38.40	31.14	69.55	73.90	289.46	529.70	218.22	174.87
9	36.94	25.12	26.76	18.49	30.23	28.46	59.40	70.74	243.74	355.91	209.20	169.42
10	35.93	31.11	26.76	18.49	22.02	25.12	61.52	63.55	170.89	317.83	203.29	166.73
11	33.96	49.16	30.23	19.17	24.48	25.12	86.90	90.25	153.11	328.72	197.45	164.05
12	33.96	41.14	28.46	19.89	21.29	29.34	99.61	116.29	171.95	339.78	191.69	161.40
13	35.93	34.94	25.12	19.17	19.17	26.76	86.90	158.24	223.43	336.15	206.24	158.76
14	33.01	31.14	24.32	18.49	22.99	32.78	73.90	110.57	189.92	493.98	212.19	156.14
15	33.01	29.34	25.93	17.83	33.13	35.75	67.87	140.29	163.02	436.14	197.45	153.55
16	33.01	27.60	29.40	16.55	28.46	109.16	79.38	102.05	257.65	447.78	191.69	148.41
17	33.96	26.76	32.06	16.55	28.78	235.90	65.81	103.25	173.18	680.09	194.56	145.88
18	33.96	25.93	26.76	16.55	56.95	129.16	55.42	112.20	958.77	629.21	194.56	145.88
19	33.96	25.93	25.12	16.55	75.65	129.16	55.42	141.82	442.52	200.36	200.36	140.86
20	33.01	25.12	25.12	17.83	62.19	106.96	102.43	137.04	1670.78	384.36	227.41	138.39
21	32.06	24.32	25.54	16.55	79.79	96.73	151.86	101.19	1189.77	327.09	224.33	135.93
22	36.58	24.32	23.54	16.55	150.66	125.85	187.51	81.87	726.73	303.57	246.32	135.93
23	34.94	23.54	22.02	17.19	98.03	106.89	296.51	116.34	537.20	306.71	221.27	135.93
24	31.14	23.54	21.29	16.55	114.35	77.84	227.54	129.03	490.81	454.64	200.36	135.93
25	29.34	23.54	20.57	17.19	93.32	62.15	145.55	114.75	450.93	406.81	191.69	135.93
26	29.34	27.88	21.29	16.55	70.84	59.40	110.56	249.07	512.23	364.46	188.84	135.93
27	30.23	68.60	20.57	15.94	47.44	156.41	92.10	292.81	462.80	314.24	183.19	133.49
28	30.23	57.47	19.86	15.94	37.96	306.92	81.87	398.75	409.70	296.55	180.40	131.08
29	29.34	19.86	19.86	16.55	33.96	310.07	81.24	246.17	354.78	331.09	174.87	128.68
30	29.34	19.17	19.17	17.19	30.23	245.51	87.40	180.27	435.57	169.42	169.42	126.30
31	28.46	19.17	19.17	15.94	26.76	103.96	103.96	163.57	506.15	506.15	123.95	123.95
TOTAL	1080.26	858.15	818.13	526.38	1369.26	2988.26	3749.26	4313.89	110495.61	13667.50	6730.06	5017.99
AVERAGE	34.85	30.65	26.39	17.55	44.17	99.61	120.94	139.16	374.84	440.89	224.34	161.87
MAXIMUM	54.11	69.60	44.54	19.89	150.66	310.07	333.47	398.75	1670.78	1970.12	429.66	282.83
MINIMUM	28.46	23.54	19.17	15.94	25.12	55.42	63.55	85.20	296.55	169.42	123.95	123.95

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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 51614.75 142.19 1670.78 14.74  
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DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1975

#DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	121.61	126.30	87.02	62.93	56.12	89.02	117.00	77.29	237.78	551.99	1343.90	158.76
2	119.30	119.30	85.03	61.12	56.12	79.20	126.30	145.88	531.63	497.12	1350.16	156.14
3	119.30	117.00	83.06	61.12	56.12	124.50	135.93	126.30	613.88	417.71	1184.24	153.55
4	121.61	110.24	83.06	61.12	56.12	131.08	121.61	105.83	325.07	397.54	711.23	148.41
5	123.95	108.02	83.06	61.12	56.12	123.95	117.00	110.24	412.80	385.66	874.82	148.41
6	123.95	105.83	81.12	61.12	54.50	95.17	133.49	97.26	348.52	405.73	646.80	143.36
7	121.61	101.50	79.20	61.12	54.50	128.68	126.30	110.22	397.54	367.76	573.17	140.86
8	123.95	99.37	77.29	61.12	54.50	135.93	140.92	117.00	697.02	328.72	544.22	138.39
9	121.61	97.26	79.20	61.12	54.50	148.41	117.00	110.24	827.54	286.17	498.48	145.88
10	117.00	97.26	77.29	59.43	54.50	114.73	101.50	126.41	502.91	303.57	483.68	140.86
11	112.47	95.17	75.41	59.43	54.50	97.26	89.02	131.08	421.80	376.96	405.56	138.39
12	110.24	93.10	75.41	59.43	54.50	91.05	83.06	152.97	485.30	385.97	405.56	138.39
13	112.47	91.05	75.41	59.43	54.50	121.62	77.29	121.61	451.59	385.66		131.08
14	150.97	91.05	73.55	59.43	54.50	108.02	73.55	119.30	350.00	573.29		128.68
15	156.36	91.05	73.55	59.43	91.05	99.37	71.71	97.26	300.05	425.91		123.95
16	131.08	89.02	73.55	59.43	77.29	83.06	69.89	85.03	259.38	310.66		121.61
17	121.61	87.02	71.71	59.43	77.29	79.20	88.06	155.88	246.32	303.57		119.30
18	117.00	87.02	71.71	59.43	117.00	75.41	83.06	180.40	224.30	203.29		
19	112.47	87.02	71.71	59.43	91.05	73.55	73.55	169.42	265.90	647.64		117.00
20	108.02	85.03	69.89	57.77	79.20	68.10	69.89	150.97	243.12	634.15		117.00
21	108.02	85.03	68.10	57.77	77.29	79.20	68.10	174.87	230.52	408.82		197.45
22	108.02	83.06	68.10	57.77	75.41	89.02	71.71	218.76	564.71	307.11		191.69
23	108.02	83.06	68.10	57.77	73.55	79.20	95.17	166.73	969.27	285.90		123.95
24	112.47	83.06	66.32	57.77	73.55	83.06	111.37	215.71	1390.49	243.12		112.47
25	110.24	85.03	64.57	57.77	71.71	77.29	126.30	177.62	893.33	236.78		110.24
26	106.02	95.17	64.57	57.77	91.05	100.79	121.61	182.78	491.25	307.49		108.02
27	105.83	93.10	64.57	56.12	77.29	106.33	99.37	143.36	370.07	359.31		177.62
28	108.02	89.02	62.83	56.12	201.20	85.03	89.02	157.58	303.57	351.00		169.42
29	128.68		62.83	56.12	172.14	133.19	89.02	190.86	259.30	421.80		164.05
30	135.93		62.83	56.12	128.68	119.30	83.06	210.84	209.20	417.71		95.17
31	133.49		62.83		101.50		75.41	166.73		882.06		93.10
TOTAL	3713.32	2675.14	2262.88	1774.96	2447.35	3019.72	3046.27	4496.43	13824.19	112587.62	11571.37	3789.13
AVERAGE	119.78	95.54	73.00	59.17	78.95	100.66	98.27	145.05	440.81	406.05	462.85	126.30
MAXIMUM	156.36	126.30	87.02	62.83	201.20	148.41	140.92	218.76	1390.49	882.06	1350.16	158.76
MINIMUM	105.83	83.06	62.83	56.12	54.50	68.10	68.10	77.29	209.20	236.78	164.05	93.10

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TOTAL	AVERAGE	MAXIMUM	MINIMUM
65208.38	181.64	1390.49	54.50

DAILY RIVER RUNOFF AT LAGUNETAS GAUGING STATION

YEAR : 1976

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	89.02	103.75	66.32	46.70	69.89	75.01	303.72	104.52	230.94	200.75	119.30	99.63
2	85.03	95.17	66.32	46.70	98.89	94.64	265.90	134.57	169.50	285.98	117.00	119.30
3	83.06	91.05	64.57	45.21	71.71	72.99	239.94	202.52	187.93	218.40	112.47	202.09
4	79.20	87.02	64.57	45.21	64.57	132.04	218.22	170.43	169.40	199.62	119.30	373.51
5	77.29	85.03	62.83	45.21	68.10	303.02	209.20	197.29	155.28	190.84	126.30	263.69
6	77.29	85.03	61.12	45.21	68.10	380.78	332.39	148.59	183.26	181.99	110.24	197.45
7	77.29	83.06	61.12	43.74	66.32	401.35	303.57	150.85	200.22	284.31	101.50	165.63
8	75.41	83.06	59.43	45.21	61.12	475.36	293.07	121.61	148.41	342.65	466.21	143.36
9	75.41	81.12	59.43	75.83	59.43	565.90	295.63	122.49	121.61	384.14	425.39	225.01
10	75.41	81.12	59.43	85.03	56.12	707.55	230.52	119.33	108.02	570.41	310.05	193.88
11	77.29	79.20	57.77	79.20	56.12	864.41	191.69	118.35	101.50	459.82	229.93	172.14
12	83.06	79.20	57.77	77.29	56.12	680.85	169.42	139.70	105.83	368.71	186.51	158.76
13	87.02	77.29	57.77	71.71	52.89	673.37	158.76	158.17	116.36	258.35	164.05	148.41
14	83.06	77.29	56.12	64.57	75.41	379.68	148.41	186.38	101.50	218.22	161.40	138.39
15	83.06	77.29	56.12	62.83	73.55	254.35	140.86	134.80	131.22	212.19	173.38	133.49
16	81.12	77.29	54.50	59.43	66.32	202.94	131.06	110.24	128.69	183.19	162.79	133.49
17	81.12	75.41	54.50	59.43	62.83	172.14	123.95	101.50	129.69	212.90	138.39	133.49
18	85.03	73.55	52.89	57.77	69.89	326.91	114.73	97.26	119.30	494.74	123.95	128.68
19	95.17	73.55	52.89	56.12	94.62	500.49	114.73	89.02	163.70	430.89	123.95	126.30
20	87.02	71.71	52.89	97.49	87.22	608.62	149.88	85.03	117.00	301.02	114.73	114.73
21	91.05	71.71	51.31	83.06	68.10	599.67	131.08	85.03	97.26	306.73	105.83	114.73
22	135.93	69.89	51.31	75.41	62.83	656.13	121.61	90.17	95.17	381.55	101.50	135.93
23	203.35	68.10	51.31	73.55	78.73	513.55	110.24	113.25	91.05	350.24	103.66	119.30
24	158.76	71.71	51.31	68.10	83.06	447.29	121.61	123.81	85.03	282.98	101.50	108.02
25	128.68	69.89	49.75	61.12	77.29	623.30	121.61	131.08	145.57	180.40	105.83	105.83
26	114.73	68.10	49.75	57.77	77.29	1087.93	160.44	127.38	114.73	213.74	101.50	103.66
27	105.83	68.10	49.75	56.12	79.20	1423.54	152.55	144.25	213.87	183.19	93.10	120.29
28	99.37	66.32	48.21	77.29	66.32	780.59	112.47	110.24	197.85	158.76	87.02	123.95
29	103.66	66.32	48.21	89.02	59.43	499.05	116.38	136.27	159.06	148.41	85.03	105.83
30	123.95	48.21	48.21	73.55	62.83	372.91	108.02	247.93	171.79	135.93	83.06	97.26
31	114.73	46.70	46.70	46.70	61.12	93.10	93.10	311.25	126.30	126.30	89.02	89.02
TOTAL	3017.40	2257.33	1724.18	1924.88	2155.42	14878.36	5484.78	4513.31	4260.24	8437.35	4554.87	4595.25
AVERAGE	97.34	77.84	55.62	64.16	69.53	495.95	176.93	139.14	142.01	272.17	151.83	148.23
MAXIMUM	203.35	103.75	66.32	97.49	98.89	1423.54	332.59	311.25	230.94	570.41	466.21	373.51
MINIMUM	75.41	66.32	46.70	43.74	52.89	72.99	93.10	85.03	85.03	126.30	83.06	89.02

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TOTAL	AVERAGE	MAXIMUM	MINIMUM
57603.37	157.39	1423.54	43.74