

DAILY RIVER RUNOFF AT EL SARRO GAUGING STATION

YEAR : 1989

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	22.58	19.23	13.14	9.13								
2	21.20	19.23	12.88	9.13								
3	19.88	20.53	12.83	9.13								
4	19.23	19.88	12.38	9.13								
5	18.60	19.23	12.58	8.71								
6	17.67	18.60	12.38	8.30								
7	17.36	17.97	11.88	9.13								
8	17.35	17.36	11.88	8.71								
9	17.36	17.36	11.88	8.71								
10	17.36	16.76	11.88	8.71								
11	17.36	16.47	11.88	8.71								
12	16.76	16.17	11.59	8.71								
13	16.47	16.17	11.59	8.71								
14	16.17	15.60	11.59	8.71								
15	19.23	15.60	11.59	8.30								
16	19.23	15.03	10.92	8.30								
17	18.28	15.03	10.92	8.30								
18	17.36	14.75	10.92	8.30								
19	20.20	14.48	10.92	7.90								
20	19.23	14.48	10.45	7.90								
21	17.97	14.20	10.45	7.90								
22	18.60	13.93	10.00	7.90								
23	17.97	15.31	10.00	7.90								
24	17.97	15.60	10.45	7.90								
25	19.23	15.03	10.45	7.90								
26	23.30	14.48	10.45	7.90								
27	21.89	13.93	10.00	7.90								
28	23.29	13.40	9.56	8.71								
29	20.53		9.56	10.92								
30	19.55		9.13	8.50								
31	19.23		9.13									
TOTAL	588.42	455.81	344.06	256.06								
AVERAGE	18.98	16.28	11.10	8.54								
MAXIMUM	25.30	20.53	13.14	10.92								
MINIMUM	16.17	13.40	9.13	7.90								

ANNUAL

TOTAL	1644.35
AVERAGE	13.70
MAXIMUM	25.30
MINIMUM	

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1968

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	1.88	414.00	28.30	37.80	37.00	61.90	49.10	21.50				
2	1.88	99.90	30.40	56.80	66.50	55.80	20.00					
3	1.88	107.00	30.30	29.10	49.90	127.00	80.30	18.60				
4	1.88	106.00	130.00	23.60	36.10	118.00	89.50	17.90				
5	1.88	76.90	280.00	20.70	36.10	75.40	206.00	17.30				
6	2.35	40.70	83.30	18.60	37.00	60.50	149.00	17.30				
7	2.59	39.30	61.30	19.30	45.90	51.30	81.20	16.10				
8	4.47	30.70	72.90	24.20	91.20	44.80	65.30	17.30				
9	5.53	30.70	32.40	32.90	67.00	40.80	57.00	21.50				
10	9.83	44.30	38.90	20.70	48.60	38.00	52.30	26.60				
11	17.10	70.80	38.00	19.30	38.00	45.90	45.90	25.80				
12	10.60	293.00	45.90	24.00	48.20	39.40	41.80	22.90				
13	9.17	512.00	37.00	59.90	45.90	34.20	38.00	20.70				
14	8.23	541.00	30.70	69.80	37.00	40.80	33.20	20.00				
15	7.76	262.00	29.70	40.50	41.00	44.50	30.70	26.60				
16	6.94	128.00	30.70	28.30	92.90	43.10	29.10	28.30				
17	6.94	117.00	28.30	23.60	61.50	96.60	27.50	25.80				
18	5.88	126.00	29.70	20.70	58.50	126.00	26.30	22.90				
19	5.88	66.00	21.50	96.10	108.00	29.10	20.00	20.00				
20	21.40	84.20	22.90	20.70	178.00	243.00	26.60	18.60				
21	24.70	255.00	26.60	20.00	222.00	106.00	26.60	17.30				
22	20.40	124.00	25.80	17.90	383.00	86.90	27.50	16.10				
23	13.20	72.20	24.30	16.10	363.00	72.00	29.10	15.50				
24	9.65	54.40	23.60	16.70	176.00	142.00	28.30	18.60				
25	9.17	41.00	23.60	20.00	105.00	497.00	28.30	20.70				
26	10.10	36.10	30.70	26.60	121.00	219.00	29.10	19.30				
27	10.60	31.60	25.80	25.00	95.10	115.00	26.60	18.60				
28	12.80	29.90	22.90	20.70	71.60	85.20	24.30	16.70				
29	42.30	29.90	29.90	17.30	65.70	70.50	24.30	15.50				
30	122.00	29.10	25.00	18.60	98.20	60.50	22.20	15.50				
31	343.00	29.10	25.00	29.30	52.30	15.00	15.00	15.00				
TOTAL	751.99	3892.70	1423.10	813.80	2903.30	3012.10	1482.00	614.50				
AVERAGE	24.26	129.76	45.97	26.25	96.78	97.16	49.40	19.82				
MAXIMUM	343.00	541.00	280.00	69.80	383.00	497.00	206.00	28.30				
MINIMUM	1.88	29.10	22.90	16.10	36.10	34.20	22.20	15.00				

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 14895.49 60.80 541.00  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1969

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	14.40	7.76	4.83	4.12	4.20	41.40	133.00	24.40	62.20	206.00	49.00	27.90
2	15.00	7.29	4.47	3.77	3.20	126.00	124.00	23.70	61.70	104.00	47.00	27.90
3	15.50	7.76	4.47	3.77	9.30	92.50	160.00	27.20	299.00	174.00	44.00	26.50
4	16.10	10.10	5.18	4.12	13.00	55.00	262.00	24.40	350.00	176.00	37.20	24.40
5	15.00	8.70	5.88	3.77	9.50	71.40	169.00	23.00	216.00	252.00	33.20	23.70
6	15.50	8.23	5.53	3.30	8.00	247.00	99.90	28.00	141.00	243.00	30.80	21.80
7	15.50	7.76	5.53	3.30	7.50	168.00	71.40	27.20	342.00	266.00	33.20	20.00
8	16.10	7.29	5.18	3.30	7.50	79.40	69.80	29.70	214.00	183.00	34.00	19.40
9	15.00	6.94	4.47	2.83	8.00	103.00	79.60	78.50	232.00	122.00	30.80	18.80
10	14.40	6.94	4.47	2.83	7.00	530.00	72.60	85.10	150.00	130.00	29.30	18.80
11	13.20	6.94	4.83	2.83	8.00	276.00	61.40	132.00	95.90	177.00	27.20	18.20
12	12.60	6.59	4.83	2.83	7.50	101.00	72.40	140.00	82.90	144.00	26.50	18.20
13	13.20	6.23	4.83	3.06	8.91	67.50	119.00	106.00	67.00	106.00	25.10	18.20
14	12.60	6.23	4.47	3.06	18.90	90.50	59.60	81.00	55.00	507.00	24.40	18.20
15	12.60	5.88	4.12	4.47	10.50	180.00	47.80	138.00	52.00	67.80	23.00	16.50
16	12.00	5.53	3.77	7.29	12.50	281.00	39.00	275.00	70.00	75.00	22.40	16.00
17	11.50	5.88	3.77	5.18	17.10	211.00	75.00	159.00	85.20	191.00	23.00	16.00
18	10.60	5.88	3.53	3.77	18.70	195.00	47.50	106.00	90.20	161.00	25.10	18.20
19	10.10	5.53	3.53	3.53	24.70	112.00	35.60	81.80	102.00	224.00	28.60	21.80
20	11.10	5.53	3.30	3.30	16.00	75.10	55.60	67.80	164.00	161.00	32.00	23.00
21	14.40	5.53	3.77	3.53	12.00	52.10	31.60	57.00	349.00	86.00	41.00	21.20
22	12.60	5.53	5.03	5.18	24.10	47.00	32.50	66.60	581.00	79.00	33.20	19.40
23	11.50	5.53	3.53	4.12	31.70	38.00	34.80	73.10	566.00	78.40	29.30	18.20
24	10.60	5.18	3.30	4.47	39.00	45.40	30.00	148.00	320.00	68.90	27.90	17.60
25	9.65	5.18	3.30	5.18	22.40	103.00	25.80	258.00	146.00	56.00	26.50	16.50
26	9.17	5.18	3.30	7.29	16.50	97.70	23.70	120.00	122.00	55.00	25.80	16.00
27	9.17	4.83	3.53	5.53	23.00	167.00	22.40	79.80	88.80	61.10	28.60	17.00
28	8.70	4.83	3.53	9.65	51.00	151.00	21.20	80.40	80.40	72.80	30.00	16.00
29	8.70	4.12	4.12	9.17	42.80	209.00	21.20	91.20	80.70	57.00	27.90	15.00
30	8.23	4.47	4.47	7.59	26.60	112.00	21.80	83.60	286.00	52.00	25.80	14.50
31	7.76	4.47	4.47	22.20	22.20	22.40	22.40	62.40	50.00	50.00	14.00	14.00
TOTAL	382.48	180.78	133.34	135.84	531.31	4119.00	2121.60	2777.80	5552.00	4386.00	921.80	598.90
AVERAGE	12.34	5.46	4.30	4.53	17.14	137.30	68.44	89.61	185.07	141.48	30.73	19.32
MINIMUM	16.10	10.10	5.88	9.65	51.00	530.00	262.00	275.00	561.00	507.00	49.00	27.90
MINIMUM	7.76	4.83	3.30	2.83	3.20	58.00	21.20	23.00	52.00	50.00	22.40	14.00

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 21840.85 \*\*\*\*\*  
 \*\*\*\*\* 59.84 \*\*\*\*\*  
 \*\*\*\*\* 581.00 \*\*\*\*\*  
 \*\*\*\*\* 2.83 \*\*\*\*\*

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1970

#DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	14.00	9.50	7.00	5.25	7.05	11.80	21.80	199.00	120.00	208.00	54.90	18.40
2	14.00	9.50	7.00	4.90	7.05	13.50	33.50	96.40	118.00	332.00	44.10	17.80
3	13.50	8.50	6.65	4.55	6.27	12.30	25.70	71.60	104.00	305.00	44.10	16.70
4	13.00	8.50	6.30	4.55	5.74	10.70	28.00	54.90	97.90	329.00	39.80	16.10
5	13.00	8.50	5.95	4.20	4.96	14.70	19.00	47.30	88.40	651.00	37.60	15.00
6	12.50	8.00	5.95	4.20	4.51	14.10	17.80	65.10	107.00	166.00	35.80	15.00
7	13.00	7.50	5.95	3.85	4.51	10.70	25.00	65.40	160.00	111.00	34.00	18.40
8	14.50	7.50	5.95	3.85	4.51	11.00	26.20	103.00	115.00	92.50	31.30	22.80
9	14.00	7.50	5.95	3.85	4.51	9.62	21.00	134.00	114.00	96.80	29.50	20.10
10	14.00	7.50	5.60	3.85	4.32	9.08	14.60	70.60	171.00	128.00	28.60	18.40
11	14.00	8.00	5.25	4.20	4.32	7.69	13.10	67.60	124.00	97.00	27.90	17.20
12	13.50	8.00	5.60	4.20	4.94	9.03	48.40	133.00	78.70	74.30	28.60	16.10
13	12.50	8.50	5.25	4.55	7.46	10.50	40.20	47.00	61.30	62.80	32.20	16.10
14	12.00	8.00	5.95	5.88	11.30	9.74	52.70	53.20	51.00	100.00	30.40	17.20
15	12.00	7.50	6.30	12.40	7.47	14.80	36.40	44.10	44.10	86.90	33.10	16.70
16	11.50	8.00	5.95	15.00	8.07	11.80	41.20	41.90	40.80	76.40	38.70	16.70
17	11.50	12.00	5.60	13.00	23.30	13.70	34.30	50.80	41.30	56.10	36.70	22.40
18	11.50	11.00	5.60	11.50	19.10	29.90	38.60	42.00	53.20	68.80	34.00	29.90
19	11.00	10.00	5.25	10.50	10.50	46.70	40.50	33.10	214.00	87.40	30.40	22.80
20	10.00	9.00	5.25	1.00	8.36	53.10	108.00	32.20	168.00	69.40	27.90	20.10
21	10.00	8.00	4.90	9.50	7.05	40.80	48.80	35.40	290.00	54.90	25.70	19.00
22	9.50	7.50	4.90	9.00	6.27	32.90	34.00	25.00	176.00	48.40	24.20	17.80
23	9.50	8.00	4.90	8.50	5.74	22.40	28.40	26.70	147.00	45.20	23.50	16.70
24	9.50	8.50	4.90	8.00	5.48	17.60	22.80	24.80	177.00	43.70	25.00	15.50
25	9.50	7.50	4.55	7.50	12.10	15.50	22.00	69.40	111.00	45.40	25.70	14.60
26	9.50	7.50	4.55	7.50	17.20	14.60	28.80	136.00	100.00	43.00	25.00	14.10
27	9.50	8.50	4.90	7.50	22.80	12.70	72.80	158.00	120.00	46.60	23.50	14.10
28	8.50	8.00	4.90	7.00	39.70	10.80	140.00	474.00	230.00	48.20	22.00	13.60
29	9.00	7.00	4.90	7.00	20.00	12.10	100.00	215.00	407.00	42.70	21.30	13.60
30	9.00	7.00	5.60	6.65	21.20	21.20	99.50	145.00	376.00	39.70	19.60	12.70
31	9.50	7.50	5.25	1.00	19.00	19.00	462.00	194.00	56.50	56.50	12.20	12.20
TOTAL	358.00	236.00	172.55	203.43	354.79	525.06	1763.90	2955.50	4205.70	3712.70	955.10	537.80
AVERAGE	11.55	8.43	5.57	6.78	10.80	17.50	56.90	95.34	140.19	119.76	31.17	17.35
MAXIMUM	14.50	12.00	7.00	15.00	39.70	53.10	462.00	474.00	407.00	651.00	54.90	29.90
MINIMUM	8.50	7.50	4.55	1.00	4.32	7.69	13.10	24.80	40.80	39.70	19.60	12.20

ANNUAL

TOTAL	15940.53	43.67	651.00	1.00
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1971

#DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	12.20	7.05	5.74	4.70	3.49	20.80	5.38	54.50	186.00	56.00	24.00	14.20
2	11.70	6.79	6.01	4.51	3.49	15.90	5.71	46.50	118.00	48.10	24.40	13.90
3	11.30	7.05	5.48	4.51	5.38	12.60	5.38	42.20	122.00	38.50	23.70	20.20
4	11.30	7.05	5.74	4.70	5.71	11.60	4.70	41.90	111.00	31.70	24.40	14.80
5	11.70	6.79	6.01	4.96	4.17	11.10	4.73	30.10	96.20	29.30	33.00	13.70
6	11.70	6.79	6.01	7.06	3.95	10.70	4.73	21.70	194.00	33.30	27.60	12.60
7	11.70	6.79	5.74	9.75	3.95	10.70	4.17	24.50	142.00	43.40	26.00	12.00
8	11.30	6.53	5.74	8.71	4.17	8.97	5.01	21.90	102.00	67.60	23.70	11.60
9	10.80	6.79	5.48	9.75	4.17	8.97	5.71	16.50	695.00	94.70	21.70	10.70
10	10.10	7.31	5.48	9.40	5.71	8.10	7.90	14.80	57.80	53.00	20.30	10.30
11	10.10	7.31	5.48	8.36	5.05	12.30	7.46	12.60	51.70	38.50	20.30	9.84
12	10.50	7.66	5.22	6.27	6.28	17.90	10.30	11.10	45.20	40.40	20.30	9.40
13	10.50	7.19	5.48	5.74	15.20	17.50	7.02	10.30	38.10	39.20	21.70	9.40
14	10.50	10.10	5.48	5.48	14.20	13.70	7.67	9.84	34.40	35.30	20.30	9.84
15	9.75	8.71	5.22	5.22	29.70	15.70	8.54	8.97	30.90	27.60	19.00	8.97
16	9.40	7.66	5.22	5.22	19.60	25.40	15.30	8.95	28.50	64.10	17.60	8.97
17	9.40	7.31	5.22	4.96	32.20	21.00	16.50	13.60	23.40	35.70	17.60	8.97
18	9.06	8.71	5.22	4.51	48.20	16.50	20.70	17.10	54.40	151.00	15.40	8.54
19	9.06	8.36	4.96	4.51	21.70	14.80	14.20	36.90	36.70	191.00	14.80	8.10
20	9.06	7.66	5.74	4.32	15.90	13.10	10.70	18.90	39.10	116.00	13.70	8.10
21	9.40	7.31	5.48	4.13	17.60	12.00	9.40	16.50	47.20	128.00	14.20	8.10
22	9.40	7.05	5.48	4.13	18.70	11.10	9.40	16.40	71.40	87.60	17.00	8.10
23	9.40	7.05	5.22	3.94	13.10	10.30	11.80	33.80	55.00	61.90	22.60	9.40
24	9.06	6.79	5.22	3.75	11.10	9.40	13.00	75.00	76.10	49.50	22.40	12.00
25	9.06	6.53	5.22	3.94	10.30	8.10	11.40	91.90	99.80	47.40	26.50	11.60
26	8.71	6.27	4.96	3.94	7.47	6.04	16.90	94.00	77.60	46.30	20.30	11.10
27	8.01	6.27	4.96	4.02	9.81	5.71	17.60	135.00	54.30	40.00	19.00	10.70
28	7.66	6.01	4.96	4.57	18.90	5.38	15.00	123.00	44.10	34.40	17.60	11.10
29	7.66		4.96	4.63	25.90	5.38	16.00	121.00	52.10	32.50	15.90	12.00
30	7.31		6.22	4.13	22.50	5.71	17.00	275.00	62.90	34.40	14.80	10.30
31	7.31		4.96		17.60		28.70	297.00		29.30		9.40
TOTAL	304.11	202.89	168.31	163.82	425.20	366.46	358.04	1741.46	2846.90	1825.70	621.80	337.93
AVERAGE	9.81	7.25	5.43	5.46	13.72	12.22	10.90	56.18	94.90	58.89	20.73	10.90
MAXIMUM	12.20	10.10	6.22	9.75	48.20	25.40	28.70	297.00	695.00	191.00	33.00	20.20
MINIMUM	7.31	6.01	4.96	3.75	3.49	5.38	4.17	8.95	23.40	27.60	13.70	8.10

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 ANNUAL  
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 TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 | 9342.62 | 25.60 | 695.00 | 3.49 |  
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DAILY RIVER RUNOFF AT SUACAMAYA GAUGING STATION

YEAR : 1972

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	8.97	5.38	4.73	3.49	5.79	17.20	7.16	15.10	18.90	24.80	23.30	7.16
2	8.97	5.38	4.73	3.27	5.11	11.10	7.29	11.60	45.30	35.30	19.00	6.82
3	8.97	5.38	4.73	8.46	4.42	9.30	6.82	9.75	21.80	31.40	17.60	7.50
4	8.97	5.71	4.40	7.06	4.26	8.40	6.13	7.50	33.90	36.10	15.40	7.16
5	8.54	5.71	4.17	5.05	10.10	6.82	7.24	7.93	49.30	39.80	14.80	6.82
6	8.10	4.04	4.17	3.95	13.00	18.80	7.34	6.82	90.50	42.20	13.70	6.47
7	8.10	4.04	4.17	3.72	6.82	91.90	6.13	6.13	45.90	29.10	12.80	6.47
8	8.54	5.38	3.95	3.72	6.13	47.00	7.31	7.00	29.30	24.40	18.00	6.13
9	8.10	5.05	3.95	3.95	5.79	33.30	7.02	13.70	23.40	20.30	15.10	5.79
10	8.10	5.05	3.95	3.72	5.11	20.70	6.22	28.50	20.80	19.00	23.20	5.79
11	7.67	6.04	3.95	3.27	6.47	18.30	5.79	34.30	20.80	16.50	17.50	5.79
12	7.67	5.71	3.95	3.27	16.20	20.30	5.45	33.10	16.50	15.40	15.40	5.79
13	7.47	5.38	3.95	3.49	11.30	14.80	5.11	30.20	14.60	17.00	14.20	5.45
14	7.34	5.05	3.95	3.27	7.95	12.60	4.42	32.20	18.60	15.40	13.70	5.45
15	7.34	5.05	3.72	3.27	7.16	10.70	4.92	32.10	14.20	15.40	13.10	5.45
16	7.34	4.73	3.95	3.27	8.57	8.85	5.96	35.90	12.90	22.30	12.00	7.33
17	6.69	4.73	4.17	3.72	32.70	7.50	5.02	36.90	13.70	25.60	12.60	10.70
18	6.69	4.40	3.95	7.47	21.30	7.16	5.11	29.20	13.70	40.60	12.00	9.75
19	7.34	4.73	3.95	15.20	13.70	6.82	7.31	19.60	29.10	68.10	11.60	9.30
20	8.45	7.02	3.95	7.34	11.10	14.00	6.13	16.50	31.60	71.00	11.10	8.40
21	7.34	7.67	3.72	5.71	9.30	31.40	27.40	20.30	35.60	58.70	10.70	7.50
22	6.69	7.02	3.49	5.05	8.40	23.90	19.00	34.90	20.80	61.50	10.20	7.16
23	6.69	6.04	3.72	4.73	7.50	23.80	20.60	17.10	21.00	47.70	10.20	6.82
24	6.36	6.04	3.72	4.73	7.16	17.10	11.10	14.80	15.90	36.00	9.30	6.47
25	6.04	6.04	3.72	4.40	9.22	13.70	15.40	13.10	15.40	29.90	8.85	6.47
26	6.04	5.71	3.49	4.17	17.80	16.00	20.30	12.10	22.00	26.00	8.85	6.47
27	6.04	5.05	3.72	3.95	18.60	14.80	13.70	11.10	32.50	23.00	7.95	7.16
28	6.36	5.38	3.72	3.72	12.80	11.10	13.70	16.40	30.60	21.70	7.95	6.47
29	6.36	5.71	3.49	4.40	25.00	9.30	14.10	24.40	21.70	20.30	7.50	6.13
30	6.04	6.04	3.49	5.71	15.40	7.95	14.20	19.50	29.20	18.50	7.16	5.79
31	5.38	4.04	3.49	3.49	17.40	13.70	15.40	13.70	20.40	20.40	7.16	5.79
TOTAL	289.70	158.62	122.21	146.53	351.36	559.60	308.78	611.43	809.60	973.40	394.76	211.75
AVERAGE	7.38	5.47	3.94	4.88	11.36	18.65	9.96	19.72	26.99	31.40	13.16	6.83
MAXIMUM	8.97	7.67	4.73	15.20	32.70	91.90	27.40	36.90	90.60	71.00	23.30	10.70
MINIMUM	5.38	4.04	3.49	3.27	4.26	6.82	4.42	6.13	12.90	15.40	7.16	5.45

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 | ANNUAL  
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 | \*\*\*\*\*  
 | TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 | \*\*\*\*\*  
 | 4876.94 | 13.32 | 91.90 | 3.27 |  
 | \*\*\*\*\*

YEAR : 1973

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

DAY	1	2	3	4	5	6	7	8	9	10	11	12
1	5.79	4.76	3.85	2.21	2.21	19.90	35.30	13.10	83.00	101.00	41.50	11.60
2	5.45	4.76	3.38	2.21	2.21	11.60	23.00	21.40	131.00	73.10	35.10	11.60
3	5.11	5.11	3.14	2.21	2.21	13.80	20.40	20.00	75.90	57.00	28.40	11.60
4	4.82	7.50	2.91	1.97	2.21	27.50	15.90	19.60	56.40	47.70	28.40	11.60
5	5.11	7.95	3.14	2.76	2.21	17.40	13.10	17.00	51.80	60.20	27.60	11.10
6	4.76	8.40	3.14	5.50	2.21	13.10	11.60	15.90	38.10	88.20	25.20	10.70
7	4.42	7.15	3.14	2.44	2.21	9.75	10.70	14.80	30.70	157.00	24.40	10.20
8	4.42	6.82	3.14	2.21	2.44	7.95	9.30	13.10	26.00	187.00	24.40	12.50
9	4.76	6.47	2.91	2.44	2.21	7.52	8.40	14.20	26.00	105.00	22.40	12.60
10	4.76	6.13	2.91	2.91	2.68	6.47	7.50	15.30	24.40	102.00	20.30	12.60
11	4.42	5.79	2.91	4.42	2.68	7.16	7.83	15.90	22.30	97.70	20.30	11.60
12	4.42	5.79	2.91	3.14	3.36	6.82	13.90	12.60	22.00	139.00	19.60	11.10
13	5.11	5.45	2.91	2.91	3.38	7.95	17.60	13.10	36.40	213.00	18.30	11.10
14	5.45	5.11	2.68	2.68	2.21	18.90	10.70	13.90	56.60	111.00	17.00	10.70
15	5.79	5.11	2.44	2.68	3.61	54.00	8.85	19.00	47.20	85.70	21.00	10.20
16	5.79	4.76	2.44	2.44	5.44	177.00	8.85	15.70	82.80	64.20	19.60	9.75
17	6.82	4.42	2.44	2.21	4.08	74.40	7.95	10.70	43.10	50.40	17.40	9.30
18	6.82	4.42	2.44	2.21	4.08	81.70	16.10	9.30	30.20	43.60	15.90	8.85
19	6.47	4.42	2.68	1.97	5.33	57.50	27.30	26.30	49.20	41.60	15.90	8.40
20	6.13	4.42	2.68	1.97	22.10	34.90	18.90	19.60	96.70	36.90	14.80	7.95
21	5.11	4.08	2.44	2.21	29.80	35.70	18.10	17.60	105.00	31.50	13.70	8.40
22	5.11	4.08	2.21	4.97	63.70	27.60	25.70	17.90	76.30	30.70	20.00	8.40
23	5.11	4.08	2.21	4.76	84.10	20.30	29.00	26.20	52.80	126.00	15.90	7.50
24	5.45	3.85	2.21	3.38	42.60	15.40	35.70	33.50	41.50	80.10	14.20	7.95
25	5.11	3.85	1.97	2.68	17.40	13.10	84.40	46.70	46.80	52.50	13.10	7.50
26	5.11	3.61	1.97	2.21	11.60	19.40	48.10	85.40	33.80	131.00	13.10	7.16
27	5.11	3.61	2.21	2.21	8.85	32.00	29.90	48.60	27.30	72.40	11.60	6.82
28	5.11	5.45	2.21	16.30	7.95	37.60	23.70	83.60	36.70	52.80	11.60	6.82
29	5.45		2.21	9.27	10.80	25.70	19.60	202.00	36.00	87.20	11.60	6.47
30	5.79		2.21	9.96	13.10	54.90	17.00	112.00	37.80	64.90	11.10	6.13
31	5.11		2.21	21.90	21.90	15.40	15.40	116.00	49.70	49.70	6.13	6.13
TOTAL	163.79	147.36	82.25	111.21	391.10	936.92	639.78	1103.00	1523.80	2640.10	593.40	294.33
AVERAGE	5.28	5.26	2.65	3.71	12.62	31.23	20.64	35.74	50.79	95.16	19.78	9.49
MAXIMUM	6.82	8.40	3.85	16.30	84.10	177.00	84.40	202.00	131.00	213.00	41.50	12.60
MINIMUM	4.42	3.61	1.97	1.97	2.21	6.47	7.50	9.30	22.00	30.70	11.10	6.13

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 8032.04 23.65 213.00 1.97  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1974

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	6.13	4.08	4.76	2.21	3.04	19.30	81.80	17.00	31.70	98.00	92.50	18.30
2	6.24	4.08	4.42	2.21	2.81	101.00	55.00	14.80	26.80	68.10	62.80	26.80
3	7.81	4.08	4.42	1.97	2.58	83.80	64.00	13.10	24.40	107.00	56.30	25.20
4	6.47	4.08	4.76	1.97	3.13	31.10	39.30	15.80	28.20	392.00	47.40	22.40
5	6.30	3.85	4.42	1.97	2.49	17.00	28.50	18.70	23.00	204.00	40.00	21.00
6	7.76	3.85	4.42	1.97	3.95	13.10	25.00	20.40	20.30	126.00	47.60	19.60
7	7.36	3.41	4.08	2.21	7.28	10.70	19.60	22.80	43.50	103.00	33.40	17.60
8	7.36	3.61	4.08	2.44	7.02	8.97	17.00	15.40	109.00	79.50	30.90	17.00
9	5.79	3.85	4.08	2.21	4.73	7.67	16.80	12.60	124.00	66.70	28.50	16.50
10	5.45	5.56	4.08	2.44	3.72	7.57	17.10	14.00	72.90	57.80	26.80	16.50
11	5.45	5.79	4.08	2.68	3.27	7.34	18.00	13.20	59.10	51.70	26.90	15.90
12	5.79	4.76	4.08	2.91	3.04	6.69	15.90	27.90	107.00	51.10	24.40	15.40
13	5.45	4.42	3.85	2.68	3.04	7.02	14.20	32.70	72.70	60.60	24.60	15.90
14	5.79	4.08	3.61	2.68	8.90	11.40	14.20	25.70	70.20	65.30	23.70	15.40
15	5.65	4.08	4.42	2.44	7.29	36.00	18.60	30.50	53.30	62.30	22.40	14.20
16	5.45	4.08	3.61	2.21	7.05	38.80	15.00	33.20	47.80	70.20	21.00	14.20
17	5.45	4.08	3.61	1.97	6.80	114.00	11.60	29.90	34.40	136.00	20.30	14.20
18	5.79	4.08	4.08	2.21	24.40	75.20	11.30	30.80	117.00	75.80	22.50	13.70
19	5.79	3.85	4.08	2.21	20.50	38.00	28.10	26.00	366.00	64.10	27.90	13.10
20	5.11	3.85	3.85	2.21	19.50	30.70	32.20	24.80	469.00	55.30	31.70	12.60
21	5.11	3.61	3.85	2.44	50.00	61.20	43.10	21.00	554.00	48.40	31.90	12.00
22	5.11	3.61	3.38	2.68	64.70	69.30	31.40	17.60	173.00	46.30	29.30	12.60
23	4.66	3.38	3.14	2.44	51.80	43.50	115.00	21.00	171.00	54.90	25.20	12.60
24	4.42	3.38	2.91	2.21	72.00	30.50	62.70	20.80	124.00	75.20	25.00	12.60
25	4.42	3.61	3.14	2.21	25.30	22.40	38.10	32.50	92.20	72.30	21.70	12.00
26	5.11	3.85	2.91	2.21	14.20	20.60	30.10	129.00	107.00	61.60	21.70	12.00
27	5.11	6.82	2.91	2.21	10.30	39.20	23.00	112.00	233.00	52.80	20.30	11.60
28	4.76	5.79	2.68	2.21	8.54	98.70	19.00	101.00	102.00	46.30	19.60	11.10
29	4.42	4.42	2.44	2.44	7.34	60.70	19.30	62.70	83.40	51.30	19.00	11.10
30	4.62	4.62	2.21	2.91	6.69	62.70	19.50	46.30	98.90	95.50	17.60	11.10
31	4.42	4.42	2.21	2.21	16.50	40.10	16.50	40.10	111.00	111.00	11.10	11.10
TOTAL	174.01	117.57	114.57	70.23	454.41	1174.26	956.80	1047.30	3638.80	2709.60	940.70	475.30
AVERAGE	5.61	4.20	3.70	2.34	15.15	39.14	30.86	33.78	121.29	87.41	31.36	15.33
MAXIMUM	7.81	6.82	4.76	2.91	72.00	114.00	115.00	129.00	554.00	392.00	92.50	26.80
MINIMUM	4.42	3.38	2.21	1.97	2.13	6.69	11.30	12.60	20.30	46.30	17.60	11.10

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 11873.55 | 32.62 | 554.00 | 1.97  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1975

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	10.30	12.60	6.69	3.72	3.04	10.30	8.10	7.40	41.60	116.00	585.00	30.90
2	10.30	12.00	6.69	3.27	3.27	10.80	10.40	8.50	96.50	119.00	346.00	30.10
3	11.10	11.10	6.69	3.27	3.27	29.80	11.10	7.34	60.30	97.40	425.00	29.30
4	14.90	10.70	6.69	3.27	3.49	19.30	10.30	5.71	74.80	86.50	418.00	28.50
5	13.20	10.30	6.69	3.27	3.49	15.80	9.22	5.05	205.00	87.20	258.00	27.60
6	10.70	9.40	6.36	3.27	3.49	15.60	16.20	4.40	76.50	70.80	171.00	27.60
7	10.70	6.97	6.36	3.49	3.27	33.20	9.60	5.70	145.00	61.60	146.00	27.80
8	10.30	6.10	6.04	3.48	3.27	42.80	10.30	5.60	341.00	56.60	140.00	28.50
9	9.40	8.10	6.36	3.49	3.27	25.40	8.10	8.33	311.00	56.30	228.00	26.80
10	8.97	8.10	6.36	3.27	3.04	15.90	6.69	7.84	200.00	51.70	151.00	25.20
11	8.54	8.10	6.04	3.27	3.04	12.60	6.04	6.04	164.00	99.40	112.00	24.40
12	8.54	8.10	6.04	3.27	3.04	10.70	5.38	5.84	179.00	78.00	88.00	23.70
13	8.54	7.67	5.71	3.27	3.27	10.30	4.73	6.04	144.00	113.00	75.00	21.70
14	10.70	7.67	5.71	3.27	4.22	8.54	4.73	4.73	81.60	128.00	68.10	21.00
15	10.30	7.34	5.71	3.27	8.02	8.54	4.73	4.17	61.60	92.40	60.30	20.30
16	9.84	7.02	5.38	3.27	26.10	8.54	4.40	8.36	61.80	84.90	54.10	19.60
17	9.40	7.02	5.05	3.27	22.00	8.40	5.38	7.69	61.00	75.60	51.70	19.00
18	9.40	7.02	5.05	3.27	11.50	6.04	4.17	11.70	57.80	117.00	49.50	18.30
19	9.40	6.69	5.05	3.27	10.30	5.05	3.72	9.84	64.80	185.00	45.20	17.60
20	9.40	6.69	5.05	3.04	7.34	8.01	3.49	9.40	57.80	123.00	46.30	17.60
21	9.84	6.36	4.73	3.04	6.69	14.20	3.75	8.54	63.60	84.80	43.00	18.30
22	9.40	6.36	4.40	3.04	6.04	6.36	4.78	9.40	358.00	66.70	47.40	19.60
23	9.40	6.36	4.40	3.04	7.04	7.67	5.13	18.10	609.00	56.60	45.20	19.00
24	10.30	6.36	4.17	3.27	8.54	6.04	17.90	13.00	800.00	49.50	45.20	17.60
25	9.40	7.34	4.17	3.04	9.29	7.01	30.90	9.84	340.00	46.20	41.90	18.30
26	8.97	7.02	4.17	3.27	1.31	10.30	21.40	9.84	230.00	54.80	39.10	17.00
27	10.30	6.69	4.17	3.27	22.60	7.17	10.70	7.02	172.00	60.30	37.20	15.90
28	8.97	6.69	3.95	3.04	40.60	13.30	9.09	10.30	105.00	51.00	37.20	14.80
29	9.40	4.17	4.17	3.04	34.80	13.70	6.69	11.30	75.00	59.10	35.30	14.80
30	8.97	4.17	3.95	3.04	23.30	9.84	5.71	11.80	74.10	121.00	32.50	14.20
31	13.70	4.17	3.72	13.10	13.10	5.05	5.05	11.80	299.00	299.00	14.80	14.80
TOTAL	312.58	221.87	165.72	97.58	305.04	401.21	268.38	260.62	5331.80	2848.40	3922.20	669.80
AVERAGE	10.08	7.92	5.35	3.25	9.64	13.37	8.66	8.41	177.73	91.88	130.74	21.61
MAXIMUM	14.90	12.60	6.69	3.72	40.60	42.80	30.90	18.10	800.00	299.00	585.00	30.90
MINIMUM	8.54	6.10	3.72	3.04	1.31	5.05	3.49	4.17	41.60	46.20	32.50	14.20

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 | ANNUAL  
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 | TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 | 14205.20 | 40.56 | 800.00 | 1.31 |  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1976

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	13.70	12.00	8.10	5.05	12.40	13.00	81.70	19.30	33.70	51.00	29.90	16.90
2	13.70	11.60	7.69	4.73	12.50	14.10	72.80	28.30	37.10	192.00	28.30	17.50
3	13.10	11.60	7.34	5.05	12.50	21.20	68.70	30.80	35.10	70.00	26.60	19.00
4	12.60	10.70	7.67	4.73	10.10	65.30	58.10	29.90	30.50	61.90	32.60	32.50
5	11.60	10.70	7.34	4.73	11.00	231.00	54.40	27.40	35.20	55.60	22.20	28.30
6	12.00	10.70	7.34	4.73	9.66	183.00	94.20	23.60	36.20	54.70	20.80	27.40
7	12.60	10.30	7.34	4.40	8.01	161.00	110.00	20.80	27.40	107.00	22.40	24.30
8	12.60	9.84	7.34	5.38	7.25	344.00	81.80	19.40	23.60	178.00	40.10	21.50
9	11.60	10.30	7.02	9.40	7.25	222.00	64.50	22.80	21.50	121.00	39.10	24.30
10	11.60	9.84	6.69	8.97	6.54	386.00	55.60	21.00	21.50	464.00	33.40	26.60
11	12.60	9.84	6.69	6.04	6.20	478.00	53.20	19.60	20.10	140.00	30.80	27.40
12	12.00	8.97	6.69	18.20	5.87	466.00	49.70	80.30	19.40	95.00	28.30	26.60
13	12.60	9.40	6.69	10.20	5.87	392.00	45.30	37.30	18.10	71.40	25.90	25.90
14	11.60	8.97	6.69	6.36	5.24	150.00	42.10	35.50	24.60	60.60	25.10	24.30
15	11.60	9.40	6.69	6.04	6.93	95.30	41.10	29.10	23.90	55.60	31.50	24.30
16	11.10	9.84	6.36	5.71	7.63	67.60	39.10	24.30	19.40	55.60	25.90	22.20
17	10.70	8.97	6.04	5.71	10.10	55.20	32.50	22.90	17.80	172.00	22.90	22.20
18	10.70	8.97	6.04	5.71	19.10	93.10	28.30	19.40	22.30	205.00	20.80	21.50
19	11.60	8.54	6.04	2.77	30.60	304.00	30.00	18.80	22.30	127.00	20.80	21.50
20	11.60	8.10	5.71	14.40	15.40	251.00	30.80	18.80	18.10	86.70	19.40	20.80
21	12.60	8.10	5.38	9.84	11.00	223.00	28.30	17.50	15.20	90.40	18.80	20.10
22	19.00	8.10	5.71	8.97	12.00	286.00	26.60	16.70	18.30	86.30	18.10	22.20
23	23.00	8.10	5.71	8.10	17.70	164.00	26.90	20.10	14.00	74.20	18.10	20.80
24	19.60	8.10	5.71	7.60	18.80	127.00	27.30	22.70	22.70	67.20	18.10	18.80
25	17.00	8.54	5.38	7.47	11.00	294.00	29.70	24.40	21.60	59.30	18.10	20.80
26	15.90	8.54	5.38	7.80	20.80	315.00	25.80	24.20	39.60	56.80	17.50	20.10
27	14.20	8.97	5.38	9.39	17.90	315.00	22.90	26.90	43.80	50.50	16.90	20.80
28	12.60	8.97	5.38	14.40	12.00	183.00	23.50	25.80	24.00	40.10	15.20	19.40
29	12.60	8.97	5.38	9.40	16.20	124.00	22.20	55.20	25.50	37.10	15.20	18.80
30	12.60	8.97	5.38	7.67	14.20	93.60	19.40	78.00	42.30	33.40	15.20	16.90
31	12.60	8.10	5.05	18.50	18.50	52.90	18.10	52.90	31.60	31.60	16.90	16.90
TOTAL	412.90	274.97	197.35	228.95	380.25	6117.40	1404.60	912.70	774.80	2991.00	709.00	690.60
AVERAGE	13.32	9.48	6.37	7.63	12.27	203.91	45.31	29.44	25.83	96.48	23.63	22.28
MAXIMUM	23.00	12.00	8.10	18.20	30.60	478.00	110.00	80.30	43.80	404.00	40.10	32.50
MINIMUM	10.70	8.10	5.05	2.77	5.24	13.00	18.10	16.70	14.00	31.60	15.20	16.90

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 15094.52 41.24 478.00 2.77  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1977

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	15.70	7.25	6.54	4.11	5.63	487.00	16.20	30.30	13.00	35.30		
2	15.70	7.25	7.02	4.38	7.02	259.00	19.90	29.50	16.50	26.70		
3	15.20	6.89	6.54	4.38	9.11	72.20	18.50	19.80	17.70	26.20		
4	14.00	6.89	5.87	4.66	8.51	49.50	31.60	16.20	20.50	42.30		
5	13.00	6.89	5.55	4.11	10.80	109.00	36.60	16.70	16.20	37.60		
6	12.00	6.89	5.55	3.60	11.20	425.00	24.90	16.10	13.10	22.40		
7	11.50	7.25	5.55	4.11	8.51	216.00	20.60	14.50	12.20	18.60		8.15
8	11.00	7.25	5.55	4.94	10.30	99.10	20.60	15.20	17.70	16.20		8.15
9	11.00	6.89	5.55	5.55	12.70	92.20	14.60	16.90	25.30	14.60		7.80
10	10.50	6.89	5.55	5.55	15.70	59.00	13.10	22.50	15.70	13.60		8.01
11	10.50	6.89	5.24	5.55	10.50	47.20	12.20	21.80	13.10	22.70		8.15
12	10.10	6.54	5.24	5.24	8.65	40.90	11.30	18.00	12.70	41.70		12.80
13	10.10	6.89	5.24	5.24	10.00	31.60	10.50	16.20	12.90	17.40		12.30
14	9.66	7.25	5.24	4.94	7.46	28.70	10.00	15.90	10.50	17.40		9.25
15	9.66	6.54	4.94	4.66	6.50	46.60	17.90	14.60	9.64	14.60		8.51
16	10.10	6.54	4.38	4.38	5.63	45.00	19.20	14.10	11.10	13.10		8.15
17	10.50	7.25	4.38	6.32	9.82	37.90	16.20	21.50	14.60	12.70		7.80
18	11.00	7.25	4.38	8.40	8.57	31.60	12.20	16.90	15.70	11.70		7.46
19	11.50	6.89	4.38	6.89	7.13	31.60	11.90	14.10	45.00	10.90		7.80
20	10.50	7.25	4.38	6.89	10.30	29.30	10.50	12.70	30.70	12.10		7.46
21	9.66	7.25	4.38	5.55	6.81	28.70	18.00	11.50	22.40	12.20		6.81
22	10.10	7.25	4.66	4.94	5.63	26.00	24.40	10.90	17.40	11.00		13.10
23	9.23	6.54	4.38	5.36	5.36	22.40	19.30	10.90	15.40	11.30		10.50
24	8.81	6.20	4.38	7.37	5.09	39.40	15.50	14.80	44.90	11.70		9.25
25	8.81	5.87	4.11	6.20	4.84	21.30	14.10	26.80	90.20	10.50		8.87
26	8.81	5.87	4.38	6.20	7.30	23.40	13.70	23.10	60.60	16.10		8.51
27	9.23	5.87	4.11	5.55	6.01	31.60	16.30	18.00	44.30	27.30		7.80
28	8.81	5.87	4.38	4.66	12.00	32.00	16.30	15.20	77.60	57.70		8.15
29	8.01	6.20	4.38	4.66	17.70	23.10	20.20	15.20	99.20	20.40		7.80
30	7.63	6.20	4.11	6.11	59.60	19.20	23.70	12.20	49.50	21.90		7.46
31	7.63	6.20	4.11	108.00	108.00	34.40	12.10	12.10	18.60	7.13		7.13
TOTAL	329.95	190.35	154.68	160.38	422.38	2505.50	564.40	534.00	865.34	644.50		217.17
AVERAGE	10.64	6.80	4.99	5.55	13.63	83.52	18.21	17.23	28.84	20.79		8.69
MAXIMUM	15.70	7.25	7.02	4.38	9.11	487.00	36.60	30.30	30.30	42.30		42.30
MINIMUM	7.63	5.87	4.11	3.60	4.84	19.20	10.00	10.90	9.64	10.50		6.81

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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 6588.65 20.03 487.00  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1978

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	6.81	13.60	5.36	5.36	4.84	4.84	29.32	16.89	35.23	77.92	27.99	13.21
2	6.81	11.70	5.09	5.09	24.49	24.49	55.67	24.81	62.46	74.75	39.12	12.08
3	8.30	10.50	4.84	5.09	9.30	33.33	33.76	43.84	88.67	62.45	28.10	11.26
4	23.30	12.20	4.84	4.84	7.18	40.00	26.40	35.19	201.90	48.20	24.80	10.73
5	10.50	12.70	4.84	4.84	6.75	28.57	23.10	38.78	256.40	37.04	22.88	10.22
6	9.25	13.10	5.36	4.84	6.35	49.44	18.21	35.02	283.60	79.76	21.38	9.71
7	8.87	12.70	5.09	4.84	7.67	57.79	17.88	35.79	138.50	36.62	19.95	9.46
8	8.51	10.50	4.84	4.84	8.06	43.78	20.86	30.61	105.50	31.09	25.96	9.22
9	8.87	9.25	5.36	4.35	14.33	54.83	19.24	28.47	88.92	26.45	19.61	11.63
10	9.25	8.51	5.09	4.35	12.43	31.17	19.53	22.50	62.59	22.51	17.23	11.52
11	8.51	8.15	4.84	4.35	10.31	71.40	18.55	19.24	49.50	28.09	16.24	12.65
12	7.80	7.80	4.84	4.12	15.93	16.25	17.21	17.88	42.02	24.90	15.92	15.66
13	7.46	7.80	5.09	4.12	14.20	18.55	16.56	17.21	37.99	25.39	15.60	18.92
14	8.15	7.13	4.84	4.12	9.96	20.30	19.94	24.97	34.26	29.41	15.29	25.23
15	8.51	7.13	4.59	4.84	24.24	56.31	19.94	21.39	30.19	66.22	19.79	22.91
16	8.15	6.50	4.35	4.59	22.31	56.85	28.89	24.80	27.24	127.40	17.60	19.61
17	7.46	6.50	4.35	4.35	18.07	31.06	36.66	25.59	24.42	282.60	14.69	17.88
18	6.81	5.91	4.84	3.90	12.95	24.75	18.70	26.00	22.50	99.92	13.21	16.57
19	6.20	5.91	5.09	3.68	10.25	28.05	81.04	24.80	21.38	68.85	13.92	14.69
20	6.50	6.20	6.50	3.48	8.52	24.03	50.51	23.64	25.18	56.92	14.09	13.21
21	6.81	6.20	6.50	3.68	7.40	28.05	50.51	27.43	29.35	47.88	16.26	12.35
22	7.46	7.80	5.91	12.20	6.35	23.64	89.51	38.78	29.64	40.01	16.89	11.53
23	7.13	7.13	5.83	11.70	5.75	22.50	67.68	70.16	25.08	34.70	57.93	10.73
24	6.81	6.20	5.83	7.80	7.42	18.90	51.65	61.24	32.97	30.64	30.41	10.47
25	6.50	5.91	5.36	6.20	5.01	16.67	36.85	68.91	27.64	27.24	20.67	10.47
26	6.81	5.91	5.36	5.36	5.20	14.98	40.58	63.22	69.46	30.18	18.24	10.22
27	8.15	6.20	5.36	5.36	5.38	14.68	29.75	59.08	106.40	38.97	16.88	9.71
28	7.46	5.91	5.83	4.84	4.84	13.49	25.99	44.41	88.37	28.94	15.93	8.98
29	9.28	9.28	5.36	4.59	14.10	21.04	23.25	47.57	55.05	24.44	14.98	8.51
30	23.20	9.28	4.84	4.35	15.93	22.87	21.75	37.84	80.52	21.75	14.38	8.28
31	17.40	17.40	4.84	73.05	73.05	22.50	22.50	44.43	25.30	25.30	25.30	8.05
TOTAL	283.03	235.05	160.46	156.07	442.27	970.86	1181.99	1100.08	2123.33	1634.55	604.94	395.67
AVERAGE	9.13	8.39	5.18	5.20	14.27	32.36	38.13	35.49	70.77	52.73	20.16	12.76
MAXIMUM	23.30	13.60	6.50	12.20	73.05	71.40	168.70	70.16	256.40	282.60	59.12	25.23
MINIMUM	6.20	5.91	4.35	3.48	4.84	13.49	16.56	16.89	21.38	21.75	12.92	8.05

\*\*\*\*\* ANNUAL \*\*\*\*\*

TOTAL	928.10	25.45	262.60	3.48
AVERAGE				
MAXIMUM				
MINIMUM				

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1979

#DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	8.28	4.15	3.99	3.83	9.81	10.70	167.40	42.56	58.73	104.90	29.29	20.45
2	8.05	3.49	3.67	3.67	16.38	10.85	154.30	40.47	52.41	98.28	27.98	20.82
3	7.82	3.83	3.38	3.38	10.34	66.44	123.70	39.98	40.83	124.80	27.57	25.20
4	8.05	3.83	3.53	3.23	8.07	68.23	83.00	47.62	47.62	133.90	25.09	27.71
5	8.05	3.83	3.83	3.23	7.61	66.52	96.91	40.19	61.48	111.90	23.89	29.55
6	7.61	3.83	3.83	7.95	6.95	59.97	158.30	32.02	103.60	84.14	22.70	23.90
7	6.96	3.83	3.83	2.67	7.94	65.21	154.10	27.14	148.20	102.00	24.69	21.20
8	6.96	3.87	3.83	2.80	8.80	73.89	88.74	27.99	125.40	83.60	25.48	20.08
9	6.96	3.52	3.67	2.80	18.11	96.45	69.00	29.73	151.10	130.20	23.90	20.08
10	6.96	5.17	3.38	2.42	13.45	81.57	57.10	38.79	136.70	208.20	21.56	20.08
11	7.17	4.83	3.23	2.17	11.17	79.82	48.68	29.53	109.40	281.90	20.45	18.65
12	6.96	5.01	3.38	2.29	22.71	68.55	42.19	25.80	172.10	322.50	20.45	17.95
13	6.56	5.19	3.38	2.54	14.68	52.42	39.86	30.12	195.40	277.80	23.62	18.65
14	6.34	5.38	3.23	2.67	104.00	60.37	33.96	32.12	117.50	304.20	32.66	29.90
15	6.34	5.19	3.23	2.54	25.09	174.00	29.31	43.48	86.52	164.90	33.64	28.73
16	6.14	4.33	3.23	2.42	27.16	93.47	24.39	84.60	71.35	117.80	29.31	23.49
17	5.94	3.83	3.38	6.26	19.62	59.39	23.11	258.00	64.52	92.45	26.31	21.56
18	5.94	3.99	3.38	7.94	14.36	42.63	24.20	150.10	67.65	80.25	24.68	20.08
19	5.75	4.31	3.73	38.10	11.71	41.64	34.37	70.43	57.99	70.58	23.09	29.88
20	5.38	4.83	3.23	18.43	9.30	45.42	35.14	86.70	47.56	66.44	21.56	28.04
21	5.19	5.01	6.62	8.61	8.56	37.01	63.85	114.60	43.21	80.88	20.08	23.49
22	5.19	4.65	6.55	10.87	7.39	44.42	90.17	98.90	56.68	72.11	19.00	21.20
23	5.19	4.15	5.21	33.00	6.30	48.01	61.10	81.85	61.51	199.60	18.30	19.37
24	4.83	3.83	4.15	28.79	8.28	63.52	76.37	62.91	81.27	81.21	17.61	18.30
25	4.48	3.83	3.67	16.40	5.30	57.17	55.88	50.22	79.61	61.21	16.93	17.95
26	4.31	4.15	3.38	11.58	5.30	43.26	43.62	45.04	60.86	51.63	16.27	19.13
27	3.99	4.31	3.08	10.74	6.10	37.87	62.86	48.40	42.22	46.43	15.95	18.65
28	3.99	4.15	3.23	18.39	6.68	35.23	79.99	42.53	37.15	41.66	14.35	16.93
29	4.31	3.83	3.83	22.63	6.47	40.43	46.94	45.36	64.82	37.15	18.63	15.95
30	4.48	3.83	5.36	19.59	10.99	78.56	38.67	54.27	80.19	33.80	19.36	14.98
31	4.31	4.31	4.51	11.25	11.25	33.19	33.19	60.71	60.71	31.50	14.67	14.67
TOTAL	188.47	120.12	119.93	301.94	449.88	1803.02	2139.30	1882.87	2525.78	3697.92	684.39	666.62
AVERAGE	6.08	4.29	3.87	10.06	14.51	60.10	69.01	60.09	84.19	119.29	22.81	21.50
MAXIMUM	8.28	5.38	6.62	38.10	104.00	174.00	167.40	258.00	195.40	322.50	33.64	29.90
MINIMUM	3.99	3.49	3.08	2.17	5.30	10.70	23.11	25.80	37.15	31.50	14.35	14.67

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 TOTAL | AVERAGE | MAXIMUM | MINIMUM  
 14560.24 | 39.99 | 322.50 | 2.17  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1980

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	14.04	6.73	4.39	3.40	3.97	12.13	99.92	33.09	15.36	104.90	68.18	17.64
2	14.35	6.73	4.21	3.09	3.84	81.11	50.34	30.64	14.76	159.10	42.99	16.97
3	13.44	7.83	5.14	3.24	3.71	49.53	17.31	43.96	13.57	210.00	35.15	15.99
4	12.55	9.06	4.75	3.83	4.96	76.08	15.07	45.18	12.45	158.80	32.09	17.10
5	13.65	8.30	4.21	4.04	4.84	80.59	36.84	65.85	12.17	100.30	39.05	15.99
6	15.30	7.39	4.21	3.71	5.17	50.62	34.82	85.62	19.99	88.62	44.02	15.99
7	14.98	6.95	4.05	3.39	4.54	32.95	30.96	38.92	13.11	83.75	52.30	15.68
8	14.04	6.52	3.71	3.24	3.84	22.82	45.86	51.20	27.91	105.30	50.99	16.97
9	13.44	6.10	3.88	3.09	4.27	20.25	34.89	50.61	51.06	101.60	41.76	18.33
10	12.55	6.51	4.04	3.09	3.58	16.57	22.82	42.92	58.44	90.15	36.20	16.99
11	11.98	6.52	3.55	3.74	3.71	68.17	24.55	48.32	335.50	104.80	31.62	24.19
12	11.70	6.10	3.24	6.15	3.71	118.50	122.10	41.22	694.30	78.04	28.34	32.22
13	11.42	5.90	3.09	5.50	3.33	292.90	84.17	52.92	564.60	64.20	25.68	30.71
14	11.14	5.70	3.09	5.12	2.97	349.90	45.81	29.81	362.20	73.52	23.60	28.33
15	10.60	5.31	3.09	4.93	3.09	447.10	37.55	25.25	238.40	92.04	21.62	26.55
16	10.60	5.11	3.09	4.56	2.98	205.00	24.86	33.09	147.20	90.97	21.24	23.61
17	10.07	5.11	3.39	4.75	7.65	104.90	20.54	31.20	187.40	72.83	20.11	20.87
18	9.55	5.31	3.39	2.86	3.33	63.63	16.99	26.58	109.90	68.96	20.11	18.68
19	0.95	5.50	3.39	10.44	3.09	55.12	30.15	56.04	118.50	61.28	19.38	16.97
20	1.03	5.11	3.24	7.83	2.76	66.42	34.83	44.78	84.09	59.51	22.22	15.99
21	9.21	4.93	3.09	7.17	2.54	61.85	26.63	61.56	62.84	108.80	21.62	16.64
22	9.55	4.74	3.09	6.31	39.51	53.44	92.25	65.00	55.58	76.90	20.87	15.99
23	8.81	4.56	3.09	5.71	31.86	54.64	156.10	42.66	47.17	59.62	21.65	15.99
24	8.56	4.39	3.24	4.56	9.80	107.90	234.40	34.26	49.28	74.08	48.87	16.64
25	8.30	4.56	3.24	4.05	15.76	66.55	144.30	27.08	42.87	75.77	39.83	20.74
26	7.83	4.39	3.09	3.40	33.32	46.59	74.85	22.41	48.71	72.20	25.14	25.25
27	7.83	4.21	3.24	3.24	15.65	36.51	59.92	58.52	67.58	59.99	18.68	23.60
28	8.03	5.43	3.09	8.76	17.35	30.21	48.42	34.85	68.71	42.87	17.98	21.63
29	7.42	4.93	2.80	6.22	17.85	26.13	49.22	20.15	116.30	37.79	17.98	20.12
30	7.18	4.93	2.96	4.39	11.93	23.20	43.46	17.31	81.07	41.23	17.98	18.33
31	6.73	4.21	3.55	3.55	11.15	16.00	33.68	16.00	88.85	88.85	16.97	16.97
TOTAL	317.63	169.73	109.63	146.59	285.59	2721.71	1883.61	1279.02	3721.02	2706.67	927.25	617.67
AVERAGE	10.25	5.85	3.54	4.89	9.21	90.72	58.18	41.26	124.03	87.31	30.91	19.92
MAXIMUM	15.30	9.06	5.14	10.44	39.51	447.10	234.40	85.62	694.30	210.00	66.18	32.22
MINIMUM	0.95	4.21	2.80	3.09	2.54	12.13	15.07	16.00	12.17	37.79	17.98	15.68

ANNUAL

TOTAL	14806.12	40.45	694.30	0.95
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1981

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	16.64	7.28	7.28	4.53	3.80	21.13	73.29	30.52	224.57	105.92	52.42	15.41
2	15.99	7.28	6.89	4.25	3.80	19.06	76.01	25.50	121.37	282.75	45.29	12.36
3	15.36	7.28	6.70	4.11	3.80	14.47	49.95	23.91	103.23	345.65	41.72	11.85
4	14.45	8.12	6.52	3.97	4.86	12.26	35.42	20.93	131.10	152.61	36.43	12.36
5	14.75	8.96	5.98	3.70	4.86	47.72	29.76	17.54	74.83	109.86	31.58	13.41
6	15.68	9.66	5.81	3.70	7.12	27.09	25.50	16.29	74.95	119.84	29.76	18.85
7	15.37	10.26	5.81	3.70	7.87	27.04	24.70	18.04	83.79	100.31	28.01	16.91
8	13.86	8.09	5.81	3.70	6.09	18.85	22.39	32.14	70.49	226.27	27.15	15.69
9	13.56	7.69	5.81	5.16	5.15	71.30	22.93	23.14	89.01	122.17	25.50	15.69
10	12.44	6.90	4.68	4.11	4.31	84.81	25.79	18.19	63.68	98.86	23.91	17.54
11	12.44	6.34	5.81	3.97	4.05	43.64	26.74	20.34	61.57	118.71	23.14	18.19
12	12.44	6.16	5.81	4.39	3.80	44.27	23.14	41.25	94.59	94.11	23.14	16.29
13	12.44	6.16	5.48	5.17	3.80	42.58	91.55	45.75	67.08	67.66	20.93	15.10
14	11.90	6.32	4.99	4.39	3.56	48.96	70.59	37.37	91.84	57.68	20.22	15.10
15	11.12	6.70	4.83	6.09	3.80	65.21	43.39	96.29	136.78	53.71	18.85	14.52
16	10.36	7.28	5.15	5.32	3.33	47.58	38.49	184.51	323.19	52.42	18.85	13.41
17	10.36	6.52	5.31	4.83	3.33	38.53	31.58	86.59	160.81	52.42	18.19	18.19
18	10.36	6.52	36.19	6.80	3.56	47.89	30.02	60.43	103.99	51.16	16.91	11.36
19	9.88	7.10	32.09	6.72	3.56	59.54	26.32	76.28	78.66	51.16	16.91	11.36
20	9.65	15.50	11.44	5.81	3.56	56.96	23.91	55.05	63.36	44.87	15.10	11.85
21	9.19	18.43	8.55	5.15	4.05	60.10	26.06	51.16	53.71	34.44	15.10	15.69
22	8.96	14.18	6.90	4.53	3.56	90.54	29.47	159.82	46.29	35.42	14.52	14.52
23	8.96	11.93	6.52	4.25	3.11	110.60	43.38	131.21	46.29	40.79	14.52	12.88
24	8.52	10.37	6.16	3.97	3.52	126.24	40.36	160.27	161.47	48.68	14.52	11.85
25	8.74	9.65	5.64	3.97	6.76	83.46	53.50	326.90	357.82	71.33	12.88	11.36
26	8.74	8.76	5.31	3.84	7.96	51.56	34.40	260.38	215.76	54.97	12.56	11.36
27	8.09	7.48	4.83	3.97	6.09	42.84	32.51	175.72	143.06	63.88	12.36	10.41
28	8.09	7.48	4.83	3.70	9.74	80.15	25.50	177.22	92.82	97.73	11.85	10.41
29	7.68		4.83	3.58	22.03	306.21	34.98	129.82	86.69	139.51	13.41	10.41
30	7.28		4.83	3.45	17.12	94.91	32.98	82.16	125.04	82.73	13.96	14.20
31	7.28		4.53		14.14		28.77	84.44		64.70		10.88
TOTAL	350.58	244.60	241.32	134.83	186.09	1883.50	1173.36	2669.16	3547.54	3022.32	670.49	427.41
AVERAGE	11.31	8.74	7.78	4.49	6.00	62.78	37.85	66.10	118.25	97.49	22.35	13.79
MAXIMUM	16.64	18.43	36.19	6.80	22.03	306.21	91.55	326.90	357.82	345.65	52.42	18.85
MINIMUM	7.28	6.16	4.53	3.45	3.11	12.26	22.39	16.29	46.29	34.44	11.85	10.41

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 14551.22 39.87 357.82 3.11  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1982

DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	9.52	7.12	5.76	3.80	12.32	32.49	24.96	49.21	114.81		32.84	12.16
2	9.52	7.12	6.77	3.80	15.21	26.53	27.67	62.47	74.66		25.74	15.20
3	9.52	6.77	6.42	3.80	12.16	29.89	32.40	58.37	54.66		22.70	12.16
4	9.52	12.70	5.76	3.56	9.75	53.74	41.21	64.14	85.17		23.67	11.65
5	21.54	7.12	5.45	3.80	7.26	48.91	30.72	28.34	91.77		34.17	11.65
6	12.88	7.94	5.15	3.80	6.52	55.41	25.74	32.21	74.40		30.12	11.16
7	11.34	10.20	5.15	3.80	5.50	48.51	23.44	23.51	77.60		27.34	12.67
8	10.88	7.87	5.76	3.80	5.60	36.09	21.26	21.58	53.45		24.96	12.63
9	10.41	11.48	6.09	4.05	5.83	42.38	20.56	19.21	42.22		24.19	11.65
10	9.52	8.67	6.42	3.80	7.85	42.09	21.12	17.90	44.19		23.57	11.16
11	9.52	8.67	6.77	4.05	8.72	84.50	30.55	16.65	90.12		25.74	10.68
12	9.09	7.87	6.09	4.05	9.59	131.14	24.96	15.45	51.08		22.70	10.21
13	8.67	7.12	5.76	3.80	7.26	252.16	24.98	17.53	38.15		21.26	10.21
14	8.27	6.77	5.45	4.05	6.17	237.62	28.10	34.27	50.21		19.88	10.21
15	7.87	6.42	5.45	5.45	6.87	131.26	24.19	23.50	108.49		19.21	10.68
16	7.49	6.09	5.15	3.80	7.65	89.26	21.26	24.78	64.88		19.21	11.16
17	7.49	5.76	4.86	3.80	8.48	67.66	20.14	25.67	54.66		17.90	14.30
18	8.27	5.76	4.58	3.80	9.68	53.45	21.26	33.07	51.74		22.34	14.30
19	9.09	5.76	4.58	6.25	37.24	49.36	18.55	60.85	53.45		20.56	12.67
20	8.67	10.09	4.58	5.15	189.02	56.15	17.27	43.28	36.13		17.90	12.16
21	8.27	7.49	4.58	4.31	89.67	46.65	23.87	42.22	47.66		17.27	12.16
22	7.49	6.77	4.58	4.05	51.20	42.33	24.11	33.40	40.54		17.27	11.65
23	7.12	6.42	4.86	3.56	132.02	75.60	51.42	28.90	36.21		16.65	10.68
24	7.12	6.09	4.58	3.56	119.11	53.45	53.09	44.67	35.40		16.04	10.21
25	7.12	5.76	4.58	3.56	59.07	64.83	41.18	30.72	31.60		15.45	9.75
26	7.12	9.09	4.31	3.80	51.67	59.66	35.26	34.69	29.00		15.01	10.68
27	6.77	5.15	4.31	4.05	37.20	46.53	39.11	86.21	28.17		14.30	11.16
28	7.12	5.76	4.05	4.31	37.16	39.15	35.26	117.34	25.74		13.20	10.21
29	8.27	6.09	4.05	4.31	36.34	32.09	33.33	113.30	27.34		13.20	9.75
30	7.49	5.76	4.05	4.05	36.72	27.34	63.64	147.11	26.92		13.20	8.67
31	7.12	7.12	4.05	4.05	44.49	66.13					8.45	
TOTAL	280.11	209.83	160.00	121.77	1073.23	2056.13	966.94	1330.55	1638.42		627.59	350.24
AVERAGE	9.04	7.49	5.16	4.06	34.62	68.54	31.19	44.35	54.61		20.92	11.30
MAXIMUM	21.54	12.70	6.77	6.25	189.02	252.16	66.13	147.11	114.81		34.17	14.30
MINIMUM	6.77	5.15	4.05	3.56	5.50	26.53	17.27	15.45	25.74		13.20	8.45

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* AVERAGE \*\*\*\*\*  
 \*\*\*\*\* MAXIMUM \*\*\*\*\*  
 \*\*\*\*\* MINIMUM \*\*\*\*\*  
 \*\*\*\*\* TOTAL \*\*\*\*\*  
 \*\*\*\*\* 814.81 \*\*\*\*\*  
 \*\*\*\*\* 26.47 \*\*\*\*\*  
 \*\*\*\*\* 252.16 \*\*\*\*\*



DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1983

DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	8.45	6.17	4.58	4.01	5.50	7.47	12.87	16.04	116.87	186.51	50.78	26.84
2	8.45	5.83	4.88	4.29	4.88	12.31	12.16	14.91	71.37	105.27	38.15	24.96
3	9.31	5.83	4.58	5.18	4.29	6.09	11.16	18.42	92.33	103.90	39.15	22.70
4	11.16	5.83	4.58	4.58	3.75	9.81	10.93	25.35	62.34	96.15	38.15	19.88
5	11.16	5.83	4.29	4.01	3.75	6.52	13.33	27.34	57.16	106.41	34.32	19.88
6	9.75	5.50	4.01	4.01	3.25	5.70	17.78	18.55	60.22	80.26	31.60	18.55
7	9.31	5.50	4.01	4.29	3.25	6.38	15.91	17.90	54.53	69.01	39.00	17.90
8	8.45	5.50	4.01	4.01	3.25	6.54	25.97	28.60	40.76	82.54	33.15	17.90
9	7.65	5.50	4.01	3.75	3.79	12.60	61.97	27.73	48.92	62.30	30.72	16.65
10	7.65	5.50	4.01	4.01	3.93	24.68	32.53	51.18	73.85	64.59	32.48	16.04
11	7.65	5.18	3.75	4.29	4.29	17.78	24.91	39.33	47.10	91.85	31.09	15.45
12	9.75	5.18	4.01	7.26	4.29	12.67	23.15	27.34	36.21	52.90	30.72	14.87
13	10.88	5.50	4.01	6.17	4.02	12.23	20.23	21.26	27.34	55.60	27.34	14.87
14	8.87	5.18	4.01	5.18	4.02	15.87	18.24	18.55	27.45	135.80	41.79	13.75
15	8.45	5.18	4.29	4.88	3.50	14.30	14.92	16.65	28.11	71.32	36.66	14.13
16	8.87	4.01	4.01	4.88	3.50	10.70	19.69	14.30	24.99	53.45	34.77	22.91
17	9.31	3.75	3.75	5.83	3.25	10.33	27.03	15.45	20.91	48.33	40.16	20.99
18	9.75	5.18	3.75	5.83	2.79	19.97	24.62	12.16	20.53	59.81	38.15	15.45
19	9.31	5.18	3.50	4.88	3.01	53.24	21.64	11.16	21.66	45.43	34.32	15.45
20	8.04	5.18	3.75	4.58	2.79	46.93	22.26	9.75	20.13	41.72	30.72	14.87
21	7.26	5.10	3.50	4.01	2.58	34.57	33.26	11.10	22.26	40.46	29.00	13.75
22	7.26	5.10	3.75	3.75	2.58	39.34	34.24	14.22	50.92	35.26	26.53	12.67
23	6.88	5.18	3.75	3.50	2.58	29.66	35.21	29.08	88.54	38.15	24.96	12.16
24	7.26	5.10	4.01	3.50	2.69	21.26	38.83	16.36	47.08	40.16	21.97	11.65
25	7.65	5.18	4.88	3.50	3.43	36.92	36.92	14.87	50.28	42.53	19.88	11.65
26	8.04	4.58	4.01	3.50	2.79	18.77	29.85	16.07	59.08	75.53	18.55	14.33
27	7.65	4.58	4.01	3.50	2.58	17.60	25.52	20.58	72.60	64.26	17.90	14.87
28	6.88	4.58	4.01	3.75	2.58	17.27	26.16	28.93	79.76	52.29	18.75	14.30
29	6.88	4.01	4.01	3.50	2.37	13.20	26.25	24.37	252.88	44.91	102.78	14.30
30	6.88	3.75	3.75	3.25	2.56	15.45	24.93	17.27	191.75	40.16	32.49	10.51
31	6.88	3.75	3.75	3.75	3.90	18.55	18.55	16.04	41.71	41.71	17.90	12.03
TOTAL	261.54	138.15	125.22	123.39	105.74	519.24	760.12	660.86	1867.93	2128.57	1028.03	506.26
AVERAGE	8.44	5.31	4.04	4.41	3.41	17.90	24.52	20.67	62.26	68.66	34.27	16.33
MAXIMUM	11.16	6.17	4.88	7.26	5.50	53.24	61.97	51.18	252.88	186.51	102.78	26.84
MINIMUM	6.88	4.58	3.50	3.25	2.37	5.70	10.93	9.75	20.13	35.26	17.90	10.51

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
 \*\*\*\*\*  
 8205.04 22.79 252.88 2.37  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1984

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	14.30	10.68	4.88	5.83	3.59	29.40	10.73	101.37	126.41	147.85	61.23	12.73
2	14.30	9.75	4.58	5.83	3.34	15.53	11.36	95.68	121.92	242.18	56.66	12.21
3	14.30	9.31	4.29	5.83	3.34	16.57	15.69	97.74	283.32	273.45	45.20	13.00
4	14.30	8.87	4.02	5.50	3.11	29.99	34.05	56.86	225.78	249.67	39.80	12.73
5	14.30	8.87	4.02	5.18	2.89	44.75	20.03	45.20	173.42	152.16	35.77	11.71
6	14.30	10.22	4.02	5.50	3.94	27.90	28.58	36.75	128.42	159.97	32.92	11.21
7	13.20	9.75	6.88	5.18	3.72	16.32	70.30	30.20	88.37	137.60	30.20	10.73
8	12.16	9.75	8.04	5.18	3.11	38.25	117.79	25.99	84.75	96.20	28.47	11.22
9	12.16	9.75	9.75	5.18	3.11	48.32	252.91	22.88	138.75	75.52	24.41	14.09
10	12.16	10.21	10.68	5.18	3.11	30.33	97.95	20.07	244.59	69.57	22.88	13.81
11	11.65	11.55	8.87	4.88	3.59	21.22	100.41	28.88	198.94	59.86	23.26	15.10
12	11.65	9.75	8.04	4.88	4.46	46.28	58.16	28.11	123.29	53.45	25.19	14.37
13	11.16	9.75	7.55	4.88	3.75	42.99	40.84	51.17	87.57	47.47	23.64	12.21
14	11.16	9.31	7.26	4.58	4.37	61.29	32.00	32.07	79.94	44.08	21.42	11.21
15	10.28	9.75	7.26	4.58	4.37	83.31	26.80	28.16	133.73	41.38	22.14	11.21
16	10.68	8.87	6.88	4.88	6.83	141.75	31.92	40.40	183.85	38.77	20.71	11.71
17	11.65	8.45	6.52	6.23	6.24	76.59	25.59	66.96	150.26	38.00	19.33	11.21
18	12.16	8.45	6.52	5.83	8.94	47.12	22.14	61.27	200.19	38.72	18.66	10.26
19	11.65	8.04	6.52	5.83	6.24	41.27	31.70	128.82	132.82	34.59	20.01	10.26
20	12.67	7.65	6.52	5.50	4.95	48.18	37.70	82.38	113.35	31.09	20.71	9.80
21	11.16	7.26	6.52	5.18	4.37	31.02	36.41	90.87	77.05	28.90	19.33	9.36
22	10.68	7.26	6.52	5.18	3.84	25.19	32.99	61.88	63.26	26.80	18.66	9.36
23	14.02	7.26	6.52	5.18	3.84	24.20	45.70	50.34	92.33	30.65	22.14	8.93
24	14.30	7.26	7.04	4.88	3.59	25.70	26.47	50.75	205.24	32.19	20.36	8.93
25	13.20	6.89	16.39	4.88	4.57	21.42	22.14	43.46	422.96	41.48	18.66	8.51
26	11.65	6.89	8.87	4.88	30.89	16.74	20.09	67.99	253.25	30.66	17.37	8.51
27	11.16	6.89	7.26	4.88	23.86	14.37	20.83	74.73	527.59	25.99	16.13	8.51
28	12.16	8.04	6.52	4.88	17.61	11.71	23.80	80.12	212.59	26.46	14.66	8.51
29	11.16	6.17	6.17	4.88	15.43	11.71	37.05	99.82	152.74	39.32	13.81	8.51
30	11.65	6.17	6.17	4.88	14.86	10.73	47.91	76.02	125.70	101.63	13.27	8.10
31	11.16	6.17	6.17	4.88	83.95	61.90	61.90	76.50	109.71	109.71	8.10	8.10
TOTAL	382.49	246.48	217.35	156.16	289.81	1100.15	1444.64	1853.64	5021.87	2525.37	767.00	336.11
AVERAGE	12.34	8.60	7.01	5.21	9.48	36.67	46.60	59.79	167.40	81.46	25.57	10.84
MAXIMUM	14.30	11.55	16.39	6.23	83.95	141.75	252.91	128.82	422.96	273.45	61.23	15.10
MINIMUM	10.28	6.89	4.02	4.58	2.89	10.73	10.73	20.07	63.23	25.99	13.27	8.10

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 14345.07 39.30 422.96 2.89 \*\*\*\*\*

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1985

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	8.10					6.67	19.38	17.19	58.88	70.57	12.60	
2	7.71					6.60	22.30	16.53	88.80	54.66	13.57	
3	7.71					6.78	21.57	17.95	99.34	44.22	13.86	
4	8.98					7.88	21.88	19.34	78.26	57.00	14.85	
5	10.03					7.35	17.19	16.45	82.83	49.97	12.60	
6	9.58					6.97	14.52	18.41	59.90	43.95	11.57	
7	9.14					7.16	13.60	15.67	87.61	38.85	13.90	
8	8.51					7.30	13.44	49.39	47.29	36.78	13.67	
9	8.95					24.11	11.08	23.09	45.73	35.02	14.00	
10	8.51					14.12	12.99	17.83	43.04	25.56	13.67	
11	8.10					15.46	21.03	30.11	40.80	37.59	14.23	
12	7.71					55.85	26.87	26.83	31.41	33.20	12.78	
13	7.32					38.78	21.73	36.89	34.07	28.85	12.08	
14	7.32					35.15	18.98	34.47	37.29	26.41	11.57	
15	6.95					47.97	13.67	23.05	59.47	25.62	11.57	
16	6.95					34.02	11.40	17.19	73.91	23.57	12.35	
17	6.59					28.08	12.55	15.48	50.19	26.01	12.60	
18	6.59					20.48	19.67	13.67	40.16	33.97	22.85	
19	6.24					16.58	23.48	12.35	29.69	35.00	22.60	
20	6.24					13.67	20.83	11.08	49.11	30.02	20.48	
21	6.59					12.08	15.97	13.04	43.77	24.85	17.83	
22	6.77					10.59	13.67	43.62	35.07	21.88	17.19	
23	12.21					11.54	13.06	39.95	47.91	23.37	15.97	
24	9.36					11.57	13.14	28.85	29.46	15.97	11.08	
25	8.10					10.59	13.27	30.32	56.04	50.06	17.83	
26	7.32					9.66	10.12	24.33	47.56	88.10	16.58	
27	6.77					8.78	10.12	32.94	50.44	52.41	15.38	
28	6.59					8.36	15.83	25.72	64.67	38.85	14.23	
29	6.24					7.95	35.60	20.73	44.44	34.75	13.13	
30	6.24					7.35	30.36	44.96	42.66	108.05	12.60	
31	5.90						20.03	21.17		87.74		
TOTAL	239.30					388.85	470.75	719.18	1283.04	1625.73	882.47	401.59
AVERAGE	7.72					20.47	15.19	23.20	41.43	52.44	29.42	12.95
MAXIMUM	12.21					55.85	35.60	44.96	179.52	108.05	70.57	17.83
MINIMUM	5.90					7.35	6.60	11.08	15.67	21.88	12.60	10.59

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 5970.91 25.52 179.52 \*\*\*\*\*

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1986

RDAYS	1	2	3	4	5	6	7	8	9	10	11	12
1	12.60	11.08	6.06	5.06	3.77	5.23	10.73	7.38	10.27	33.42	22.34	13.26
2	12.08	11.08	6.41	4.75	4.83	4.94	9.81	7.02	31.37	36.86	36.77	12.21
3	11.08	11.57	6.24	4.45	7.63	4.39	8.95	7.02	27.53	65.10	43.56	11.70
4	11.08	10.12	6.06	4.45	7.98	5.10	8.54	9.84	20.13	48.49	32.28	10.73
5	11.08	9.66	5.72	4.31	9.07	20.77	9.38	12.04	34.91	35.06	26.17	10.73
6	10.12	8.78	5.72	4.45	6.00	9.87	10.73	17.04	25.75	29.00	20.16	11.21
7	10.12	8.36	6.78	4.17	5.08	21.26	11.84	14.72	25.88	36.20	17.41	11.70
8	9.66	8.36	5.38	3.89	4.26	21.78	13.00	12.21	24.62	30.87	15.54	11.70
9	9.22	7.95	5.06	3.62	4.01	14.07	14.28	10.73	19.04	29.91	17.41	13.26
10	8.78	7.95	5.22	3.62	3.77	14.33	11.70	9.81	16.78	29.91	21.13	11.70
11	9.66	7.55	5.06	3.62	3.54	13.58	10.67	22.60	19.09	29.00	23.11	10.27
12	10.12	7.16	4.95	3.62	2.89	10.43	9.81	20.72	24.42	22.34	22.34	10.27
13	10.12	7.16	4.45	3.62	2.51	10.27	8.54	17.41	61.74	24.70	20.85	10.27
14	10.12	6.78	4.17	3.36	2.51	9.72	7.75	18.74	42.51	20.50	20.13	9.38
15	10.36	6.78	4.17	3.36	2.51	8.76	7.45	15.54	28.10	18.74	21.59	9.38
16	10.12	6.41	4.17	3.24	2.70	8.14	10.01	14.37	46.44	59.74	23.11	9.81
17	9.44	6.41	3.99	3.62	2.89	6.84	16.15	13.29	35.18	34.26	21.59	8.54
18	9.55	6.78	4.45	3.62	3.31	8.04	20.48	13.34	25.53	24.70	18.74	8.54
19	10.84	6.06	4.24	3.62	3.45	8.62	16.47	11.02	33.25	22.34	18.07	7.75
20	13.29	6.41	4.17	3.62	10.24	6.66	19.12	11.00	33.65	20.85	18.07	7.75
21	15.40	6.06	4.17	3.73	6.50	5.82	12.99	13.44	38.37	19.43	15.54	7.75
22	15.97	6.41	5.38	4.17	16.61	17.33	14.07	25.75	51.00	22.34	25.84	7.75
23	14.80	6.06	4.75	3.62	11.40	18.34	27.21	14.37	49.62	19.43	23.90	7.75
24	13.45	6.41	5.07	3.62	9.87	14.59	30.67	17.10	31.64	16.78	22.34	7.38
25	13.13	6.41	5.38	3.62	11.22	11.49	23.15	41.69	24.70	26.67	16.78	7.02
26	12.08	6.41	5.38	3.62	10.76	13.04	19.43	32.39	25.53	23.23	15.54	7.02
27	13.70	6.41	5.72	6.91	8.75	14.78	16.78	21.96	112.40	23.61	13.26	6.66
28	14.23	6.06	5.72	9.28	7.38	16.10	12.73	16.78	101.46	20.85	13.26	6.33
29	13.13	6.06	5.72	6.78	7.02	14.37	11.21	14.86	65.59	18.74	15.54	6.33
30	12.60	6.06	5.72	6.36	6.66	13.26	9.81	16.97	40.97	22.34	14.37	7.02
31	11.82	6.06	5.38	5.85	5.85	11.21	8.75	11.21	23.90	23.90	14.37	6.66
TOTAL	359.75	212.64	160.86	129.98	194.97	352.12	422.21	492.36	1127.47	889.31	656.74	287.83
AVERAGE	11.60	7.59	5.19	4.33	6.29	11.74	13.62	15.88	37.58	28.69	21.22	9.28
MAXIMUM	15.97	11.57	6.78	9.28	16.61	21.78	30.67	41.69	112.40	65.10	43.56	13.26
MINIMUM	8.78	6.06	3.99	3.24	2.51	4.39	7.45	7.02	10.27	16.78	13.26	6.33

\*\*\*\*\*  
 ANNUAL  
 \*\*\*\*\*  
 TOTAL AVERAGE MAXIMUM MINIMUM  
 \*\*\*\*\*  
 5266.24 14.43 112.40 2.51  
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DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1987

*DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	6.00	5.08	3.10	3.54	1.25	6.12	34.47	27.03	54.85	28.53	9.27	7.39
2	6.66	4.53	3.10	2.89	1.63	3.96	36.82	25.74	81.06	29.71	8.77	16.30
3	6.33	5.08	3.31	3.10	2.05	5.90	45.11	25.31	74.90	27.03	8.30	16.49
4	5.68	4.80	3.10	3.31	2.01	7.56	33.49	26.16	93.59	24.07	7.83	10.83
5	5.68	4.80	3.10	3.10	4.29	12.22	29.25	29.31	120.49	23.66	7.39	10.29
6	6.66	4.26	3.54	2.89	3.06	14.95	28.11	51.87	86.34	22.06	6.95	11.37
7	6.33	4.01	3.31	3.10	2.79	7.61	22.85	39.12	68.07	20.52	6.53	10.29
8	5.38	4.53	3.10	3.31	2.53	5.73	19.78	64.52	54.71	18.33	6.53	8.77
9	5.38	4.26	3.10	2.70	2.29	5.35	20.52	84.54	132.41	16.93	6.53	7.83
10	5.08	4.80	4.01	2.70	2.05	61.87	60.36	54.00	117.32	16.93	6.53	7.39
11	5.08	4.80	3.77	6.11	1.83	61.16	49.29	37.51	82.73	15.60	9.77	6.95
12	4.80	4.53	3.10	4.01	4.81	37.88	77.05	29.71	59.18	14.95	9.27	6.53
13	6.33	4.01	3.10	4.53	2.49	31.57	82.31	25.31	42.87	14.32	9.77	6.12
14	6.00	4.01	3.54	3.77	1.83	16.25	75.45	21.29	37.51	13.70	8.77	6.12
15	5.68	3.77	3.10	3.10	1.83	10.82	57.65	19.04	40.68	13.10	7.83	5.73
16	5.38	4.01	3.77	3.31	1.83	13.10	41.76	17.97	37.51	11.93	7.39	5.35
17	4.53	4.01	3.54	3.10	1.83	21.39	32.52	16.26	31.57	11.37	6.95	4.98
18	4.53	4.01	2.89	3.10	1.63	49.79	64.86	16.93	28.80	10.82	8.77	5.35
19	4.53	3.77	2.89	3.10	19.09	63.93	94.86	22.01	27.47	10.29	6.95	5.35
20	5.08	3.31	3.10	2.70	5.54	35.57	68.04	36.85	50.68	10.29	19.90	5.35
21	5.08	3.10	2.70	2.70	9.04	22.85	84.47	28.71	230.52	9.77	19.41	4.98
22	5.08	3.54	2.70	2.70	24.14	15.92	74.65	29.71	181.98	9.52	19.04	4.98
23	6.66	3.54	2.70	2.51	8.77	13.70	69.49	29.71	84.97	9.77	15.60	4.63
24	5.68	3.10	3.10	2.51	5.35	27.82	79.24	33.49	70.93	9.27	13.70	4.63
25	5.08	3.10	2.70	2.51	3.65	20.52	64.18	44.31	70.96	8.77	11.93	4.29
26	5.08	3.10	2.51	2.51	3.35	39.13	65.99	49.79	55.66	10.29	10.82	4.63
27	5.08	3.31	2.70	2.51	4.29	157.10	52.89	46.84	48.01	9.77	9.77	4.63
28	5.38	3.10	3.10	2.70	3.35	77.59	41.76	35.47	37.60	11.37	8.77	4.29
29	5.08	4.80	2.70	2.70	5.73	50.45	45.11	36.48	31.57	9.77	7.83	4.29
30	4.80	4.80	2.70	2.51	5.73	36.31	36.48	38.03	28.80	9.27	7.83	3.96
31	4.80	4.80	2.70	2.70	9.56	30.63	41.76	41.76	8.77	8.77	6.53	4.98
TOTAL	168.92	112.27	95.88	93.54	155.62	934.12	1619.44	1084.78	2163.74	460.48	294.70	215.07
AVERAGE	5.45	4.01	3.09	3.12	5.02	31.14	52.24	34.99	72.12	14.85	9.82	6.94
MAXIMUM	6.66	5.08	4.01	6.11	24.14	157.10	94.86	84.54	230.52	29.71	19.90	16.49
MINIMUM	4.53	3.10	2.51	2.51	1.25	3.96	19.78	16.26	27.47	8.77	6.53	3.96

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 7398.56 20.27 230.52 1.25 \*\*\*\*\*

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1988

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	6.95	5.35	3.65	2.05	1.58	15.80	29.57	22.73	149.50	91.15	57.92	16.11
2	7.39	4.98	3.35	2.17	1.58	12.09	152.94	25.40	96.54	70.97	51.92	16.75
3	8.30	4.29	3.06	2.05	1.98	19.84	394.96	23.06	73.75	61.69	46.81	24.92
4	8.30	6.32	2.79	2.05	2.09	16.92	179.31	24.61	60.42	54.28	43.03	24.61
5	6.95	5.35	3.06	1.83	1.98	11.48	86.76	24.61	50.76	53.09	39.42	20.48
6	6.95	4.98	2.74	2.29	1.98	13.21	57.78	22.31	44.63	47.37	41.98	19.42
7	6.95	4.63	2.53	1.83	1.78	14.88	47.37	22.31	43.03	41.98	37.92	18.06
8	6.12	4.80	2.53	1.63	1.78	12.84	43.03	25.42	123.61	188.82	36.94	16.46
9	6.12	4.80	2.53	1.43	1.78	9.01	35.49	31.74	115.47	95.24	34.07	16.11
10	5.35	4.63	2.29	1.63	1.58	9.01	30.45	43.40	124.04	68.25	31.33	16.11
11	4.98	4.29	2.05	1.63	1.78	26.81	30.01	62.93	639.71	64.27	28.71	14.88
12	4.98	3.65	2.05	1.83	1.58	70.41	34.07	95.65	527.43	57.92	35.02	14.88
13	5.35	8.63	2.05	1.94	1.58	204.83	36.94	102.28	233.49	66.61	29.57	14.28
14	5.35	8.30	2.05	1.83	1.40	89.49	133.00	65.37	156.54	66.91	31.33	14.28
15	5.35	6.12	1.83	1.63	1.24	74.45	72.09	51.34	119.02	70.97	26.21	13.69
16	6.95	5.35	4.29	3.06	1.24	47.80	48.57	46.26	341.35	68.25	24.61	13.12
17	5.73	4.98	3.06	3.65	6.76	56.69	56.78	41.98	162.31	63.62	23.06	13.12
18	4.98	4.29	2.53	2.53	4.03	62.04	44.61	34.54	106.05	56.69	23.06	17.40
19	4.98	3.96	2.29	2.63	8.02	42.61	34.07	36.94	78.49	53.09	20.12	19.42
20	4.46	3.65	2.79	2.53	3.96	59.15	38.90	80.98	76.34	61.69	20.12	17.73
21	3.96	3.65	3.35	4.32	3.73	86.94	42.62	137.30	193.28	59.16	20.84	17.73
22	3.96	4.98	4.29	2.53	5.52	59.92	28.71	93.33	145.66	51.92	20.84	16.75
23	3.96	4.96	3.65	2.53	4.66	119.53	26.21	106.81	107.88	62.44	22.31	16.11
24	3.35	4.29	3.06	2.53	4.03	127.90	22.31	144.07	83.91	144.48	19.42	14.28
25	3.35	3.96	2.53	2.53	2.91	60.94	22.31	201.20	92.62	110.68	18.06	14.28
26	4.29	3.65	2.53	2.29	3.73	46.26	19.42	267.38	125.43	134.71	17.40	13.69
27	4.29	3.65	2.29	1.83	2.66	49.16	23.83	185.33	143.96	138.87	16.75	13.69
28	4.29	3.96	2.29	1.63	2.42	63.13	23.06	205.77	113.14	148.91	16.75	13.69
29	4.29	3.96	2.29	1.43	9.50	43.17	22.31	207.01	108.66	111.60	17.40	18.73
30	5.35	3.96	2.05	1.25	8.11	31.78	23.83	121.18	131.75	82.70	17.07	18.73
31	5.85	5.85	2.05	2.05	12.56	30.26	30.26	130.79	70.97	70.97	16.11	16.11
TOTAL	169.42	140.41	83.90	65.09	109.53	1558.09	1871.57	2704.03	4566.77	2519.50	869.99	515.62
AVERAGE	5.47	4.84	2.71	2.17	3.53	51.94	60.37	87.23	152.29	81.27	29.00	16.63
MAXIMUM	8.30	8.63	4.29	4.32	12.56	204.83	394.96	267.38	639.71	188.82	57.92	24.92
MINIMUM	3.35	3.65	1.83	1.25	1.24	9.01	19.42	22.31	43.03	41.98	16.75	13.12

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 ANNUAL  
 \*\*\*\*\*  
 TOTAL AVERAGE MAXIMUM MINIMUM  
 \*\*\*\*\*  
 15175.72 41.66 639.71 1.24  
 \*\*\*\*\*

DAILY RIVER RUNOFF AT GUACAMAYA GAUGING STATION

YEAR : 1989

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	14.28	9.72	6.07	3.73								
2	13.69	10.46	5.70	3.44								
3	13.69	10.46	4.99	3.17								
4	12.56	10.46	4.66	3.44								
5	12.02	9.96	4.66	3.44								
6	11.48	9.48	4.66	3.44								
7	10.46	9.48	4.66	3.17								
8	9.96	9.96	5.70	3.44								
9	9.96	9.96	5.70	3.31								
10	10.96	9.01	6.07	3.17								
11	9.96	8.55	6.07	3.73								
12	9.48	8.11	6.07	3.17								
13	9.96	7.67	6.07	3.17								
14	14.44	7.67	5.34	3.17								
15	11.48	7.67	4.99	2.91								
16	10.96	7.67	4.66	2.91								
17	10.46	7.25	4.66	3.17								
18	10.96	6.84	4.66	3.17								
19	10.46	6.45	4.66	2.91								
20	9.96	6.84	4.66	2.91								
21	9.48	6.45	4.34	2.91								
22	9.01	6.07	4.34	2.91								
23	12.25	7.67	4.34	2.66								
24	17.40	7.67	4.34	2.66								
25	16.75	7.67	4.03	2.91								
26	15.80	6.84	4.03	3.44								
27	15.49	6.84	4.03	7.18								
28	14.88	6.45	3.73	7.67								
29	12.56		4.03	7.67								
30	11.48		4.03	4.99								
31	10.96		3.73									
TOTAL	373.24	229.33	149.68	109.97								
AVERAGE	12.04	8.19	4.83	3.67								
MAXIMUM	17.40	10.46	6.07	7.67								
MINIMUM	9.01	6.07	3.73	2.66								

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 862.22 7.19 17.40 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1970

DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	43.94	43.94	39.30	25.30	23.10	38.20	98.20	725.00	302.00	581.00	219.00	100.00
2	43.94	39.58	38.20	24.90	22.80	36.00	199.00	672.00	315.00	632.00	235.00	95.00
3	43.19	38.89	37.10	24.60	22.80	31.70	330.00	423.00	293.00	697.00	275.00	90.00
4	43.19	38.89	36.00	24.60	24.80	39.90	287.00	263.00	278.00	649.00	235.00	87.00
5	42.45	39.58	35.00	24.20	22.20	126.00	206.00	260.00	330.00	628.00	278.00	85.00
6	42.45	37.53	34.00	23.80	21.60	92.80	144.00	318.00	299.00	564.00	260.00	81.00
7	45.47	36.26	33.00	23.80	20.90	92.80	106.00	293.00	334.00	516.00	201.00	81.00
8	53.68	36.20	32.50	23.50	21.30	91.60	269.00	330.00	430.00	393.00	182.00	113.00
9	59.10	36.20	32.00	23.10	20.90	79.10	214.00	327.00	478.00	413.00	160.00	100.00
10	56.33	37.53	31.50	23.10	20.90	84.50	103.00	312.00	618.00	390.00	171.00	91.00
11	51.96	48.90	31.00	23.10	20.90	74.00	110.00	235.00	461.00	434.00	166.00	86.00
12	49.45	43.94	30.10	24.20	21.60	59.90	140.00	255.00	305.00	437.00	192.00	81.00
13	47.03	40.28	30.10	23.50	24.20	51.70	353.00	284.00	312.00	334.00	201.00	97.00
14	44.70	39.58	30.10	31.00	33.00	51.70	350.00	214.00	238.00	321.00	180.00	97.00
15	43.19	38.89	32.50	67.40	28.70	80.10	272.00	196.00	238.00	318.00	227.00	90.00
16	41.72	41.00	31.00	53.10	39.30	117.00	287.00	144.00	192.00	383.00	266.00	90.00
17	41.00	47.12	30.50	37.70	25.70	101.00	315.00	92.70	164.00	383.00	211.00	87.00
18	40.28	50.40	30.10	33.00	72.00	230.00	201.00	88.70	158.00	464.00	171.00	194.00
19	39.58	43.19	29.20	42.80	42.80	324.00	235.00	112.00	318.00	652.00	156.00	134.00
20	38.89	39.58	28.70	27.40	30.50	232.00	379.00	100.00	625.00	543.00	142.00	109.00
21	38.20	37.53	28.30	27.00	27.00	189.00	305.00	100.00	1051.00	347.00	132.00	93.00
22	37.53	37.53	27.80	26.50	24.60	180.00	201.00	77.00	751.00	343.00	129.00	86.00
23	37.53	35.55	27.40	25.70	22.80	120.00	156.00	162.00	560.00	276.00	113.00	82.00
24	37.53	35.55	27.00	24.90	22.10	87.40	134.00	192.00	536.00	272.00	109.00	79.00
25	37.53	34.91	27.00	24.90	24.20	69.00	138.00	530.00	412.00	302.00	152.00	74.00
26	36.86	35.55	26.50	24.60	48.40	58.00	272.00	929.00	420.00	255.00	140.00	72.00
27	36.86	38.89	26.10	23.80	76.00	51.00	211.00	985.00	533.00	249.00	129.00	71.00
28	36.20	37.53	25.70	23.80	150.00	47.30	386.00	1038.00	662.00	269.00	115.00	69.00
29	36.20	35.55	25.70	23.80	84.00	67.00	296.00	530.00	564.00	235.00	112.00	68.00
30	38.89	35.55	25.70	23.50	56.80	60.30	337.00	379.00	672.00	238.00	107.00	67.00
31	43.19	25.70	25.70	49.00	49.00	1074.00	318.00	217.00	217.00	217.00	66.00	66.00
TOTAL	1328.06	1111.12	945.20	839.40	1128.60	2983.00	8108.20	110884.40	112849.00	112725.00	59366.00	2815.00
AVERAGE	42.84	39.68	30.49	27.98	36.41	99.43	261.55	351.11	428.30	410.68	178.87	90.81
MAXIMUM	59.10	50.40	39.30	67.40	150.00	324.00	1074.00	1038.00	1051.00	697.00	278.00	194.00
MINIMUM	36.20	34.91	25.70	23.10	20.90	36.00	98.20	77.00	158.00	217.00	107.00	66.00

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 TOTAL AVERAGE MAXIMUM MINIMUM  
 \*\*\*\*\*  
 61082.98 167.35 1074.00 20.90  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS 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	88.76	43.40
13	56.00	35.00	25.40	23.80	20.60	64.80	64.80	72.00	160.00	200.00	88.76	42.80
14	55.00	53.00	25.00	22.00	59.10	52.40	60.00	63.10	140.00	200.00	88.76	41.60
15	53.00	48.00	24.70	20.10	37.00	57.00	61.50	76.00	123.00	272.00	87.04	40.40
16	52.00	40.00	24.30	19.80	38.20	140.00	108.00	67.40	110.00	243.00	75.46	39.30
17	51.00	39.00	24.00	19.70	43.40	145.80	137.00	101.00	101.00	202.00	70.78	39.30
18	50.00	41.00	24.00	19.50	78.00	79.10	103.00	90.60	142.00	376.00	63.31	40.00
19	49.00	41.00	24.00	19.00	137.00	120.00	68.30	138.00	137.00	491.00	61.88	39.30
20	48.00	39.00	23.30	18.30	61.40	63.10	61.00	106.00	117.00	403.00	62.44	39.00
21	64.00	37.00	24.30	18.00	43.00	41.60	61.00	81.20	131.00	399.00	78.68	38.20
22	57.00	35.00	24.00	17.30	37.00	37.10	64.80	82.30	159.00	366.00	83.64	37.70
23	49.00	34.00	23.60	17.30	42.20	43.40	45.00	105.00	143.00	278.00	94.05	42.80
24	48.00	34.00	23.00	17.00	37.00	34.00	97.90	137.00	177.00	210.00	95.85	51.10
25	47.00	33.00	23.00	16.40	31.50	28.30	73.00	188.00	275.00	111.00	92.27	48.40
26	46.00	37.00	22.40	17.00	30.10	30.10	63.10	222.00	159.00	225.00	83.64	43.40
27	45.00	31.00	22.10	17.00	28.70	26.50	86.80	264.00	151.00	190.00	77.06	41.00
28	41.00	31.00	21.80	16.40	30.10	26.50	85.60	327.00	130.00	174.00	70.78	41.00
29	41.00	41.00	21.80	17.00	38.20	30.50	109.00	308.00	126.00	142.00	61.88	48.40
30	40.00	40.00	21.30	17.00	62.30	33.50	81.20	420.00	134.00	142.00	57.65	45.00
31	39.00	39.00	21.30	17.00	75.00	195.00	195.00	618.00	110.00	110.00	40.40	40.40
TOTAL	1674.00	1059.00	792.60	632.80	1168.50	1613.80	2142.20	5414.50	7062.00	7894.00	2600.49	1410.80
AVERAGE	54.00	37.82	25.57	21.07	37.69	53.79	69.10	174.66	235.40	254.65	86.68	45.51
MAXIMUM	69.00	53.00	52.10	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	57.65	37.70

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 TOTAL AVERAGE MAXIMUM MINIMUM  
 33464.09 91.68 1010.00 16.40  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS 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	24.90	62.30	146.00	356.00	114.00	41.30
3	37.00	24.90	22.90	28.10	18.40	30.10	29.60	48.60	185.00	225.00	94.00	44.00
4	37.00	24.90	22.10	23.10	19.00	23.80	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	185.00	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	197.00	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	20.00	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	35.50	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	168.00	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	133.00	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	162.00	109.00	44.40	35.00
30	26.50	25.30	18.00	17.60	68.30	28.30	77.00	78.00	214.00	96.40	42.80	33.10
31	25.70	25.70	17.80	17.80	41.60	81.20	81.20	65.70	117.00	117.00	42.80	33.10
TOTAL	994.40	735.50	626.50	646.60	1081.60	1533.30	1829.70	3373.20	4524.60	6772.00	2360.60	1287.00
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

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 TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 | 25565.00 | 69.85 | 484.00 | 17.40 |  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS 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	47.50
6	29.10	19.80	19.20	19.70	14.90	34.00	74.30	97.30	50.30	532.00	97.60	45.50
7	28.20	19.40	19.00	19.70	32.50	28.30	63.50	94.90	93.70	350.00	76.80	43.60
8	28.00	19.20	18.80	19.70	27.00	25.40	55.10	69.50	227.00	237.00	66.00	41.80
9	28.00	19.10	18.80	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	28.90
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	26.50	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	2214.00	327.00	54.60	38.00
19	25.60	18.90	19.00	19.50	67.70	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	227.00	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	139.00	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	18.50	27.80	271.00	68.60	197.00	297.00	486.00	49.20	30.60
30	22.00		14.10	18.50	26.40	259.00	65.90	156.00	223.00	167.00	54.00	30.00
31	22.00		13.10		25.40		79.40	141.00		320.00		29.40
TOTAL	825.20	580.30	571.20	578.00	1272.70	2637.70	3256.70	3584.00	14259.90	10662.00	2203.70	1192.30
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 \*\*\*\*\*  
 \*\*\*\*\* 4193.70 113.76 2639.00 12.00 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1975

#DAYS	1	2	3	4	5	6	7	8	9	10	11	12
1	28.90	32.40	20.10	15.10	13.60	66.50	22.90	23.30	144.00	595.00	1429.00	102.00
2	28.30	50.60	20.10	14.90	13.60	58.15	27.70	45.50	676.00	451.00	1548.00	100.00
3	30.60	28.30	20.20	14.90	13.60	97.11	39.20	36.10	798.00	350.00	780.00	96.70
4	31.20	26.10	20.20	14.90	13.60	102.77	22.20	33.00	180.00	373.00	819.00	94.60
5	39.90	25.60	20.40	14.90	13.80	96.64	20.00	29.40	175.00	327.00	812.00	92.50
6	34.90	23.20	20.40	14.90	13.80	71.99	46.10	26.70	260.00	350.00	676.00	89.50
7	31.80	22.90	17.90	14.90	13.60	100.70	34.90	30.60	185.00	298.00	562.00	89.50
8	30.00	22.90	19.50	14.90	13.60	106.94	39.20	28.90	960.00	331.00	711.00	87.60
9	27.70	22.90	19.20	14.60	13.40	117.67	33.00	40.50	984.00	223.00	644.00	85.80
10	26.70	21.20	19.20	14.60	13.40	88.71	23.80	54.60	660.00	157.00	439.00	84.90
11	26.10	21.50	18.90	14.60	13.40	73.68	20.10	49.80	358.00	145.00	365.00	84.90
12	28.90	21.20	18.90	14.60	13.40	68.34	18.90	44.30	456.00	162.00	301.00	81.50
13	33.00	20.70	18.60	14.30	13.40	94.63	17.70	44.90	180.00	147.00	241.00	76.80
14	32.40	20.30	18.30	14.30	14.10	82.94	17.30	37.40	244.00	791.00	263.00	74.60
15	30.00	20.20	18.00	14.30	17.70	75.50	16.70	22.20	134.00	358.00	217.00	73.20
16	27.20	20.20	17.70	14.30	44.30	61.47	16.40	20.00	94.60	219.00	183.00	73.20
17	25.60	20.10	17.30	14.10	48.60	58.15	20.50	46.70	77.60	284.00	166.00	72.50
18	24.70	20.00	17.00	14.10	46.70	54.89	18.90	60.50	95.60	168.00	151.00	69.20
19	24.20	20.00	17.00	13.80	20.90	53.29	13.60	66.00	134.00	238.00	145.00	66.60
20	23.80	20.00	16.70	13.80	18.30	48.61	16.10	65.40	103.00	373.00	145.00	65.40
21	23.80	20.00	16.70	13.60	17.70	58.15	18.60	62.90	82.00	1010.00	140.00	68.50
22	27.20	20.00	16.40	13.60	17.00	66.60	23.80	69.80	398.00	632.00	140.00	72.50
23	27.70	20.20	16.40	13.60	16.40	58.15	20.20	72.50	1051.00	320.00	138.00	67.20
24	27.20	20.10	16.10	13.80	14.90	61.47	32.40	73.90	846.00	162.00	138.00	64.70
25	26.70	20.20	16.10	13.80	18.90	56.51	30.00	66.00	762.00	162.00	132.00	63.50
26	26.10	20.20	15.70	13.60	21.50	76.72	24.70	52.90	481.00	142.00	127.00	60.50
27	25.10	20.00	15.40	13.60	20.20	81.48	20.20	45.50	323.00	301.00	124.00	59.90
28	27.20	20.00	15.40	13.60	76.10	63.47	20.00	43.00	226.00	180.00	120.00	59.90
29	36.00	20.00	15.10	13.60	55.20	104.58	19.70	67.90	175.00	180.00	115.00	57.50
30	40.50	20.00	15.10	13.60	41.10	92.64	20.10	51.00	147.00	624.00	107.00	56.50
31	37.40	20.00	14.90	13.60	33.00	62.90	20.10	62.90	1078.00	1078.00	107.00	55.80
TOTAL	912.60	641.00	548.90	427.20	718.80	2298.15	735.00	1474.10	10894.80	11731.00	11878.00	2347.30
AVERAGE	29.45	22.89	17.71	14.24	23.19	76.61	23.71	47.55	363.16	378.42	395.93	75.72
MAXIMUM	40.50	50.60	20.40	15.10	76.10	117.67	46.10	73.90	1051.00	1078.00	1548.00	102.00
MINIMUM	23.80	20.00	14.90	13.60	13.40	48.61	13.60	20.00	77.60	142.00	107.00	55.80

\*\*\*\*\* ANNUAL \*\*\*\*\*  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 44607.05 122.21 1548.00 13.40  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION

COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1977

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	46.97	35.50	27.10	18.90	39.00	777.00	119.00	171.64	69.10	147.58	65.10	46.60
2	45.12	33.90	31.80	18.90	46.00	605.00	73.68	367.00	83.40	58.90	69.00	46.00
3	45.12	33.40	29.90	18.50	51.90	236.00	84.53	168.00	97.80	115.00	142.00	45.30
4	44.21	32.90	28.40	18.20	75.50	166.00	95.51	116.00	95.30	90.50	124.00	43.50
5	43.32	32.90	28.00	18.20	59.50	124.00	129.00	107.00	71.80	126.00	126.00	41.70
6	41.56	32.30	27.10	17.80	51.90	947.00	132.00	93.30	64.20	94.10	94.10	41.10
7	46.00	38.80	26.60	20.63	46.20	467.00	126.00	94.20	58.90	86.40	80.90	39.40
8	45.30	33.90	26.60	22.39	48.00	237.00	103.00	114.00	80.20	71.40	71.40	39.40
9	44.70	32.90	26.20	24.24	40.90	207.00	99.90	117.00	96.40	68.20	63.40	38.20
10	44.10	32.90	26.20	20.80	74.70	231.00	77.40	96.10	66.60	64.20	59.70	37.70
11	43.50	32.30	25.30	20.80	50.50	160.00	69.00	97.30	59.70	61.20	55.30	46.00
12	43.50	31.80	24.80	21.20	41.70	102.77	64.20	87.00	59.70	92.30	176.95	39.90
13	42.30	31.30	24.40	21.20	33.90	87.30	59.70	83.60	64.20	80.70	79.10	73.50
14	41.70	30.80	24.00	20.40	40.00	75.70	56.00	81.80	73.40	70.60	69.00	47.90
15	41.10	30.40	23.60	20.40	31.30	125.00	54.60	80.40	73.68	65.80	61.20	48.10
16	40.50	30.40	23.20	20.00	28.00	166.00	54.60	88.30	63.40	61.90	56.70	45.70
17	39.90	36.00	22.30	19.60	25.30	131.00	66.60	89.30	76.70	58.90	53.90	37.70
18	39.90	33.90	22.30	19.30	32.20	135.00	60.40	214.00	84.70	56.00	51.20	35.50
19	43.50	32.90	21.90	25.70	56.30	129.00	57.50	163.00	182.00	53.90	54.60	34.90
20	42.30	32.90	21.60	27.10	33.90	137.00	58.90	91.60	154.00	53.20	100.00	44.70
21	41.10	33.90	21.60	23.20	30.40	151.00	56.70	82.70	104.00	65.80	80.90	36.60
22	39.90	31.80	21.20	22.30	28.00	167.00	74.10	84.50	81.80	61.20	66.70	44.70
23	38.80	30.80	21.20	20.00	25.70	125.00	98.10	69.00	70.60	68.34	58.90	65.30
24	38.20	29.90	21.20	21.79	24.40	102.00	88.30	67.40	91.60	90.66	54.60	44.10
25	38.20	28.90	20.40	33.90	23.20	128.00	75.70	92.60	78.30	64.20	69.30	41.15
26	37.70	28.40	20.40	25.60	40.30	138.08	65.00	90.10	148.00	56.00	56.70	38.20
27	38.20	28.00	20.00	23.20	34.40	146.00	73.50	80.00	152.00	117.00	55.30	37.10
28	37.70	27.50	19.60	20.80	46.95	160.00	68.20	70.60	375.00	73.10	51.90	37.70
29	37.10	37.10	19.60	19.60	36.52	117.00	71.40	63.40	219.00	94.00	49.80	36.60
30	36.60	36.60	19.30	33.40	129.00	130.00	72.30	59.70	201.00	104.84	48.50	35.50
31	36.00	36.00	19.30	19.30	189.00	145.18	53.29	53.29	98.66	98.66	31.11	31.11
TOTAL	1284.10	901.30	735.10	659.05	1514.57	6610.85	2330.00	3333.83	3196.48	2473.98	2246.15	1320.86
AVERAGE	41.42	32.19	23.71	23.97	48.86	220.36	81.61	107.54	106.55	79.81	74.87	42.61
MAXIMUM	46.97	38.80	31.80	33.90	189.00	947.00	145.18	367.00	375.00	147.58	176.95	73.50
MINIMUM	36.00	27.50	19.30	17.80	23.20	75.70	54.60	53.29	58.90	53.20	48.50	31.11

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 ANNUAL  
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 TOTAL AVERAGE MAXIMUM MINIMUM  
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 28906.27 73.44 947.00 17.80  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1979

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	32.60	26.20	23.62	21.79	34.29	33.06	438.62	81.05	151.27	290.36	94.62	81.61
2	44.00	25.80	23.00	20.63	40.72	33.06	579.95	136.16	163.61	321.89	90.66	68.99
3	46.00	24.90	20.07	20.07	40.65	35.53	517.59	141.66	160.14	296.71	86.76	66.35
4	45.30	24.50	21.79	19.52	29.30	137.19	373.93	160.94	278.80	372.04	80.43	64.35
5	44.70	23.60	21.21	18.97	43.56	185.69	283.56	139.28	262.56	472.92	79.19	67.30
6	44.00	23.60	21.21	18.44	48.69	166.22	404.69	108.05	471.64	525.83	84.85	66.32
7	42.80	23.20	21.21	18.49	35.72	185.39	380.73	90.63	495.78	462.53	92.84	58.11
8	42.10	22.80	21.79	20.07	44.51	364.03	275.81	104.51	391.11	432.01	100.70	57.76
9	44.70	23.20	22.39	19.44	59.39	430.05	249.86	123.44	473.57	526.32	96.64	58.29
10	44.00	25.80	22.39	17.93	42.77	400.26	193.74	193.58	396.42	1063.49	82.02	59.32
11	42.10	29.40	21.79	17.41	37.55	359.75	156.23	144.53	282.17	1013.20	72.79	58.29
12	40.30	29.00	21.21	17.41	40.95	302.99	133.43	144.98	482.29	958.09	70.11	52.70
13	38.50	27.60	20.63	17.41	45.67	241.66	116.24	125.83	592.55	823.71	77.55	51.72
14	37.30	28.00	20.63	17.41	58.68	234.19	102.08	138.47	419.66	705.19	562.77	53.69
15	36.20	27.60	20.07	17.41	73.28	442.91	90.66	146.28	312.27	493.44	475.91	62.80
16	36.20	26.20	20.07	16.92	63.32	460.31	92.65	170.48	255.94	354.26	225.59	57.76
17	36.20	25.30	20.07	17.93	43.69	230.00	79.19	268.31	214.47	290.44	153.84	52.70
18	35.10	23.60	20.07	20.07	34.94	158.43	76.42	584.05	219.78	257.21	128.84	55.50
19	34.60	22.80	20.07	31.10	31.11	142.04	87.19	403.06	188.42	246.20	117.67	102.48
20	34.00	23.60	20.07	70.16	28.24	164.40	100.07	360.31	187.79	222.11	105.91	91.59
21	33.00	24.00	21.21	53.13	26.87	135.45	107.38	409.57	172.52	185.69	96.64	68.64
22	31.90	23.60	21.79	37.91	26.19	114.46	117.84	355.42	203.42	187.59	92.64	59.85
23	31.40	23.20	21.40	50.16	25.21	214.93	148.42	312.67	204.52	269.81	86.76	54.69
24	30.90	22.00	21.21	59.79	37.73	334.75	150.87	227.65	254.34	238.05	80.12	51.24
25	29.40	20.90	21.21	39.00	47.85	257.66	123.30	181.28	235.60	163.71	77.33	49.78
26	29.40	20.50	20.07	35.33	44.22	192.37	94.62	154.48	283.39	133.43	75.50	55.72
27	29.00	21.20	19.52	30.13	40.27	183.80	91.02	136.54	210.32	117.67	73.24	58.89
28	23.20	21.20	19.52	42.64	38.81	231.83	198.59	181.06	181.06	106.94	68.34	53.70
29	23.20	23.00	23.00	47.32	29.32	231.83	127.19	128.59	219.58	107.82	88.83	48.83
30	23.20	23.00	23.00	43.98	28.85	433.78	110.23	137.78	520.30	102.77	142.79	47.65
31	22.80	23.00	23.00	33.25	33.25	94.30	164.10	164.10	100.70	100.70	45.12	45.12
TOTAL	1108.10	685.50	660.40	876.97	1255.20	7045.02	6098.40	6113.67	8885.19	11842.13	3761.68	1883.74
AVERAGE	35.75	24.40	21.30	29.23	40.49	235.50	196.72	197.22	296.17	382.00	125.39	60.77
MAXIMUM	46.00	29.40	23.62	70.16	73.28	480.05	579.95	584.05	592.55	1063.49	562.77	102.48
MINIMUM	22.80	20.50	19.52	16.92	25.21	33.06	76.42	81.05	151.27	100.70	68.34	45.12

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 ANNUAL  
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 TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 \*\*\*\*\*  
 | 5023.80 | 137.63 | 1063.49 | 16.92 |  
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DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1980

DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	43.32	30.37	23.62	18.44	21.79	36.57	58.15	145.18	61.47	147.58	181.81	52.70
2	43.52	30.37	24.24	18.44	20.63	32.87	68.72	162.35	61.47	202.65	162.16	48.83
3	42.87	30.37	24.24	18.44	22.39	36.27	54.89	138.08	56.51	267.83	131.12	47.89
4	41.56	31.11	27.56	18.44	24.24	121.03	47.08	169.34	74.34	240.46	117.67	52.70
5	45.42	31.12	26.87	18.44	38.71	191.35		142.79	69.17	196.52	195.62	47.89
6	57.15	30.37	25.21	18.44	38.16	113.43	71.87	195.88	61.47	278.60	320.98	46.03
7	52.22	30.37	24.24	18.44	27.55	113.86	79.19	147.58	59.80	279.93	521.78	46.03
8	47.89	29.65	23.62	18.44	24.24	71.60	75.58	119.87	56.51	254.27	422.67	45.12
9	46.03	29.65	23.00	18.44	21.21	79.90	117.08	146.02	102.13	253.70	250.73	48.83
10	43.32	28.94	22.59	18.44	20.63	71.48	84.15	138.77	173.95	218.71	188.61	46.03
11	42.43	28.24	22.39	18.44	21.21	181.97	58.15	115.50	410.55	189.22	156.35	47.86
12	40.69	28.24	21.79	18.97	19.52	265.08	109.06	119.87	802.77	180.33	135.74	77.95
13	39.00	27.55	21.79	19.52	19.52	517.50	145.40	102.77	1151.75	159.85	124.32	68.98
14	38.16	27.55	21.79	19.52	20.07	658.18	115.47	109.06	685.72	149.05	111.18	67.47
15	38.16	26.87	21.21	19.52	18.97	624.05	113.08	100.70	440.27	227.38	100.70	68.60
16	39.00	26.19	21.21	19.52	18.44	348.50	88.79	94.62	289.54	264.69	94.62	59.85
17	38.16	26.19	21.21	20.07	17.93	220.85	80.52	96.64	251.51	240.21	89.48	53.69
18	36.73	25.54	21.21	20.63	17.93	155.02	64.88	106.94	202.36	180.80	98.66	49.78
19	38.16	25.54	20.63	22.39	17.93	130.47	54.89	134.44	188.29	241.66	84.85	46.95
20	36.52	25.54	20.63	24.98	16.92	165.35	78.48	172.25	153.61	190.79	88.71	45.12
21	36.52	24.88	20.63	26.87	17.41	215.66	106.29	196.95	133.43	248.14	88.71	48.83
22	35.72	24.88	20.07	27.56	17.41	181.34	140.46	222.95	144.65	267.12	82.94	59.85
23	34.92	24.24	20.07	25.54	25.28	136.55	295.46	169.22	133.43	215.71	75.50	66.35
24	35.12	24.24	19.52	23.00	37.29	150.02	326.25	155.82	106.94	183.88	84.85	61.98
25	36.52	23.62	19.52	21.79	26.87	128.84	264.31	128.84	100.70	206.85	91.47	57.18
26	34.14	23.62	19.52	20.63	50.27	115.50	198.73	96.64	102.77	171.79	90.66	89.85
27	32.41	23.62	19.52	20.07	47.89	88.71	181.04	82.84	147.58	239.04	77.33	75.46
28	31.98	23.62	18.97	19.52	34.14	71.89	145.18	141.79	145.18	164.06	73.68	72.03
29	32.60	23.62	18.97	21.79	33.37	88.56	157.36	84.85	182.96	145.18	79.19	61.98
30	31.85	21.79	18.44	21.79	31.85	68.34	185.09	73.68	210.94	138.73	79.19	55.71
31	31.11	18.44	18.44	18.44	35.72	126.57	126.57	66.60	119.87	119.87	50.75	
TOTAL	1223.00	786.11	672.52	616.42	805.49	5380.74	3692.17	4048.93	6781.77	6464.60	4401.28	1768.27
AVERAGE	39.45	27.11	21.69	20.55	25.98	179.36	123.07	131.26	225.39	208.54	146.71	57.04
MAXIMUM	57.15	31.12	27.56	27.56	50.27	658.18	326.25	222.95	1141.75	279.93	521.78	89.85
MINIMUM	31.11	23.62	18.44	18.44	16.92	32.87	47.08	66.60	56.51	119.87	73.68	45.12

\*\*\*\*\* ANNUAL \*\*\*\*\*  
 \*\*\*\*\* TOTAL AVERAGE MAXIMUM MINIMUM \*\*\*\*\*  
 \*\*\*\*\* 36641.30 100.39 1161.75 16.92 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

YEAR : 1981

*DAY*	1	2	3	4	5	6	7	8	9	10	11	12
1	47.01	27.55	26.19	19.52	16.92	86.76	218.68	127.86	401.00	237.00	190.87	54.60
2	46.95	28.24	25.54	19.52	16.92	71.89	232.87	119.87	357.00	301.03	148.00	53.60
3	47.89	28.24	25.54	18.97	16.92	79.33	192.63	113.00	373.00	379.78	160.00	57.30
4	46.03	31.11	25.54	18.97	16.92	64.88	142.79	119.00	355.00	281.00	134.00	51.70
5	48.03	31.85	24.24	18.44	17.41	62.05	147.58	100.00	253.00	212.00	118.00	45.12
6	45.12	31.11	24.24	17.93	20.83	101.39	115.50	86.80	167.41	277.65	108.00	84.70
7	45.12	32.60	23.00	17.93	21.21	84.85	98.66	92.50	650.00	361.00	108.00	82.70
8	43.32	31.85	23.00	17.93	20.87	98.66	90.66	140.43	453.00	382.00	102.00	66.50
9	40.69	28.94	23.62	17.93	18.97	113.33	113.33	119.87	546.00	266.00	98.50	56.50
10	39.84	28.24	23.00	17.41	17.41	286.58	177.00	92.64	382.00	258.00	102.77	84.10
11	39.00	26.87	23.00	17.41	16.92	307.24	186.00	84.85	275.00	267.00	89.60	82.70
12	39.00	26.87	23.62	17.41	15.95	167.41	138.00	251.11	618.00	366.00	88.20	70.00
13	41.56	27.55	23.00	17.41	15.95	152.44	317.00	297.00	662.00	234.00	85.50	62.00
14	39.00	28.24	22.39	19.52	16.43	204.64	262.00	282.00	400.00	188.00	81.40	58.70
15	38.16	28.94	23.00	19.52	16.43	251.11	187.00	276.00	442.88	162.00	78.80	55.60
16	36.52	28.94	23.62	21.70	15.95	310.94	146.00	435.50	1199.00	150.00	76.20	53.60
17	34.92	27.55	23.00	21.21	15.95	287.11	128.00	476.00	574.00	140.00	73.70	50.70
18	34.92	27.55	23.00	19.52	15.95	248.21	171.00	399.60	394.00	128.00	70.00	49.80
19	34.14	27.55	26.28	20.63	15.95	219.63	202.00	399.37	381.00	121.00	68.80	49.80
20	34.14	33.45	28.24	24.26	16.43	210.49	130.00	280.34	288.00	221.05	66.50	44.21
21	33.37	51.76	24.88	21.79	15.49	402.25	108.00	254.00	269.00	128.00	65.40	55.71
22	32.60	44.52	23.00	21.79	15.49	431.00	219.00	366.00	231.00	142.00	63.10	54.69
23	32.60	37.34	22.39	19.52	15.49	492.15	159.00	665.00	207.38	136.00	62.00	57.70
24	31.85	32.60	21.79	18.44	15.95	509.59	178.00	429.00	284.00	142.00	59.80	54.60
25	31.11	29.65	21.79	17.93	17.41	306.15	194.00	1697.00	1135.00	226.00	57.70	40.69
26	31.11	28.24	21.21	17.93	21.79	270.56	126.57	1194.00	591.00	178.00	55.60	50.70
27	30.37	27.55	20.63	17.41	23.62	233.20	148.00	650.00	455.00	199.00	54.60	47.90
28	29.65	26.87	20.07	17.41	21.79	254.86	110.00	431.56	291.00	293.00	53.60	46.10
29	28.24		19.52	17.41	27.75	448.76	123.00	485.00	280.00	238.00	53.29	44.30
30	28.24		19.52	16.92	43.57	308.95	122.00	269.00	298.00	225.00	55.60	42.60
31	27.55		20.07		51.72	108.00		242.00	181.00		37.34	
TOTAL	1156.05	861.77	717.93	569.69	615.36	7176.86	4992.27	10974.30	113212.67	7090.51	2629.53	1756.26
AVERAGE	37.29	30.78	23.16	18.99	19.85	229.23	161.04	354.01	440.42	228.73	87.65	56.65
MAXIMUM	47.89	51.76	28.24	24.26	51.72	509.59	317.00	1697.00	1199.00	382.00	190.87	84.70
MINIMUM	27.55	26.87	19.52	16.92	15.49	62.05	90.66	84.85	167.41	121.00	53.29	37.34

\*\*\*\*\*  
 A N N U A L  
 \*\*\*\*\*  
 TOTAL | AVERAGE | MAXIMUM | MINIMUM |  
 \*\*\*\*\*  
 | 51753.20 | 141.79 | 1697.00 | 15.49 |  
 \*\*\*\*\*

DAILY RIVER RUNOFF AT EL CAJON GAUGING STATION  
 COMPENSATED BY LAGUNETAS GAUGING STATION

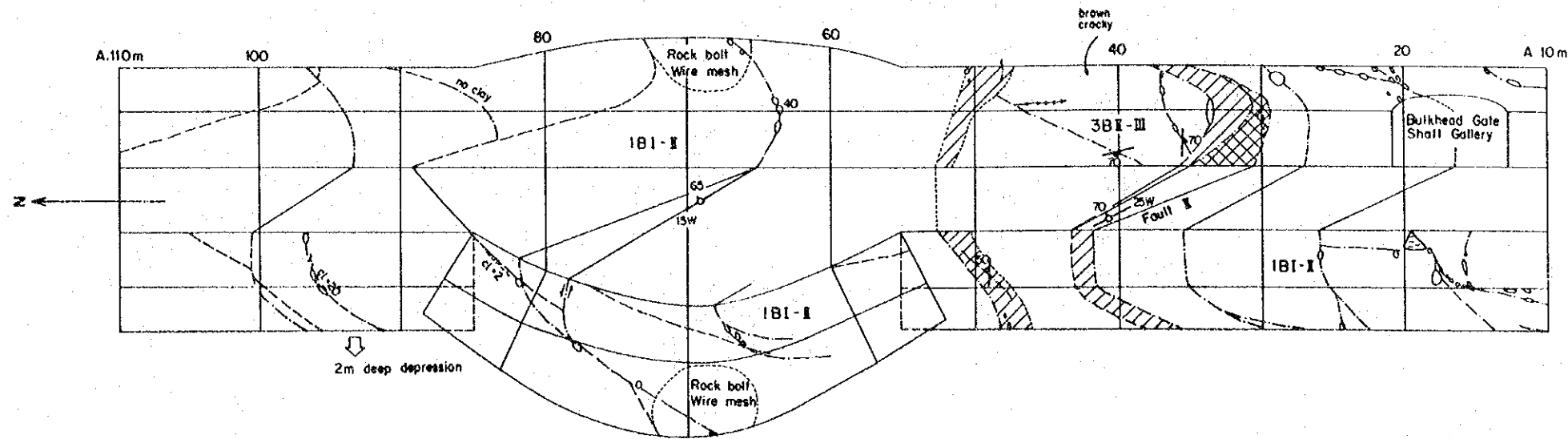
YEAR : 1982

#DAY#	1	2	3	4	5	6	7	8	9	10	11	12
1	41.80	30.60	28.60	17.41	17.41	88.71	82.94	210.22	189.29	634.86	145.50	65.60
2	40.90	29.90	28.60	17.41	22.39	68.34	68.34	154.89	215.87	332.43	140.60	64.50
3	40.10	29.20	39.30	28.00	11.40	59.80	168.88	194.87	168.88	215.87	128.20	63.40
4	38.50	29.20	32.60	27.30	12.80	96.94	79.19	242.27	209.55	447.26	110.30	62.30
5	40.90	29.90	28.00	26.70	20.50	96.64	197.46	207.42	190.97	392.49	149.90	72.30
6	49.80	30.60	24.90	26.70	18.60	88.71	127.24	193.60	210.22	321.17	175.90	64.50
7	43.50	24.24	23.20	26.10	11.70	103.43	96.76	138.08	154.62	248.08	144.30	69.80
8	41.80	29.20	24.40	16.92	12.00	102.77	94.82	111.18	150.00	199.12	124.80	65.60
9	42.60	35.00	26.70	16.43	24.90	114.44	112.92	98.66	115.50	159.85	115.00	62.30
10	41.80	37.50	28.00	26.10	25.60	124.32	75.50	128.33	100.70	249.97	115.00	59.20
11	40.90	42.40	29.90	26.10	22.10	218.28	75.50	135.28	104.84	242.08	123.20	57.20
12	38.50	33.30	28.60	27.30	22.70	263.51	163.79	102.77	92.64	175.11	111.90	55.20
13	36.20	29.90	26.70	28.70	35.50	657.12	190.83	84.85	113.33	138.08	102.70	54.20
14	36.20	25.54	24.90	26.70	29.20	725.09	122.09	77.33	133.43	173.84	98.40	53.30
15	34.80	24.88	23.80	23.20	21.00	471.29	207.02	96.64	130.48	257.21	94.10	52.30
16	34.80	23.00	23.20	20.00	23.80	301.70	152.44	152.44	152.44	172.32	91.40	52.30
17	34.00	23.00	22.10	18.10	22.70	229.19	126.57	150.97	150.00	147.58	88.70	56.20
18	33.30	22.39	22.10	11.40	44.40	206.70	102.77	182.09	161.58	135.74	88.70	47.91
19	32.60	26.70	21.00	12.40	57.40	188.29	96.64	138.08	180.33	124.32	92.70	40.69
20	36.20	29.90	21.00	19.50	366.00	164.87	90.66	154.89	152.44	115.50	66.60	60.20
21	34.80	32.60	20.50	19.10	179.00	142.79	111.18	140.43	140.43	177.71	59.80	58.20
22	34.00	30.80	20.00	11.70	121.00	126.57	114.45	102.77	119.87	135.74	78.40	55.20
23	32.60	26.70	20.00	12.40	161.00	207.42	154.01	149.66	117.67	117.67	75.90	52.30
24	31.20	22.39	20.00	12.40	348.00	177.44	197.85	115.50	115.50	102.77	73.50	50.40
25	31.20	21.79	20.00	12.40	198.00	138.08	213.04	113.33	109.06	98.66	73.50	30.37
26	31.90	21.79	19.50	12.40	128.00	229.50	145.18	131.12	171.80	90.66	75.90	48.60
27	30.60	24.40	19.50	12.40	92.60	204.93	111.18	201.88	294.90	100.70	74.70	52.30
28	29.90	24.40	19.10	12.40	75.00	135.74	92.64	138.08	301.02	104.84	78.40	52.30
29	25.54	22.39	19.10	12.40	93.80	104.84	111.18	164.87	365.87	98.66	71.20	49.50
30	26.87	19.10	19.10	12.40	124.00	88.71	98.66	196.39	628.11	140.43	66.70	48.60
31	29.20	18.60	18.60	11.40	138.00	153.98	153.98	153.98	153.98	120.79	46.80	46.80
TOTAL	1117.01	792.92	743.00	569.77	2480.50	5926.16	3822.83	4438.64	5499.33	6171.71	3035.90	1723.57
AVERAGE	36.03	28.32	23.97	18.99	80.02	197.54	123.32	143.83	183.31	199.09	101.20	55.60
MAXIMUM	49.80	42.40	39.30	28.00	366.00	725.09	213.04	242.27	628.11	634.86	175.90	72.30
MINIMUM	25.54	21.79	18.60	11.40	11.40	59.80	66.60	77.33	90.66	90.66	59.80	30.37

\*\*\*\*\*  
 ANNUAL  
 \*\*\*\*\*  
 TOTAL AVERAGE MAXIMUM MINIMUM  
 \*\*\*\*\*  
 36341.34 99.57 725.09 11.40  
 \*\*\*\*\*

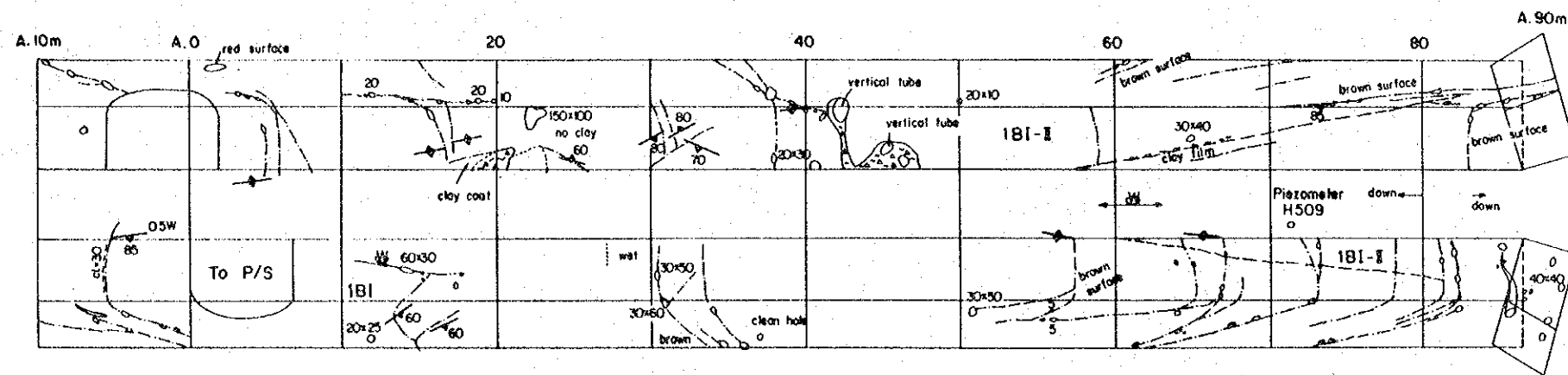
AP-2 地 質

A Tunnel

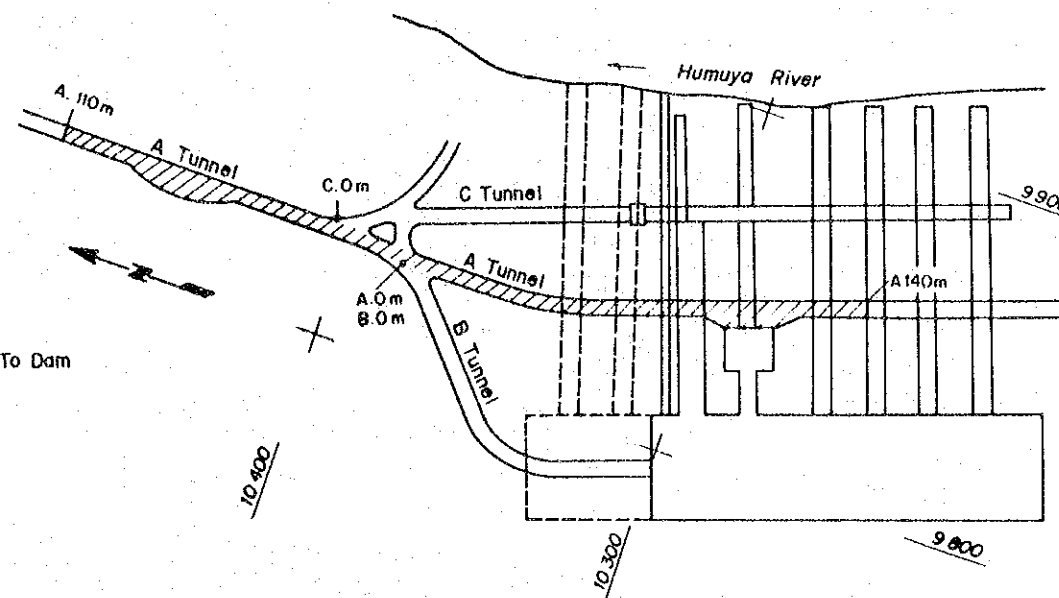
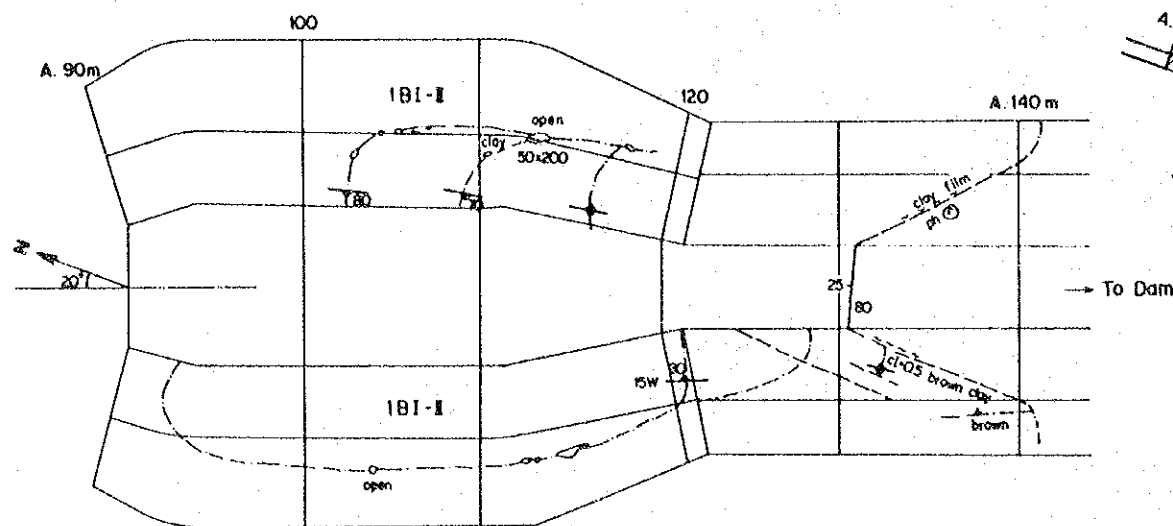
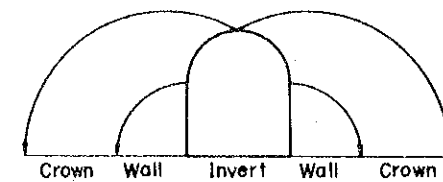


LEGEND

- Massive Sublithographic Limestone
- Strike and Dip of Fault
- Strike and Dip of Joint
- Solution Cavity or Tube
- Clay
- Calcite Vein
- Cracky Zone
- Sheared Zone
- Water Inflow
- Dripping Water



Layout of Walls and Crown

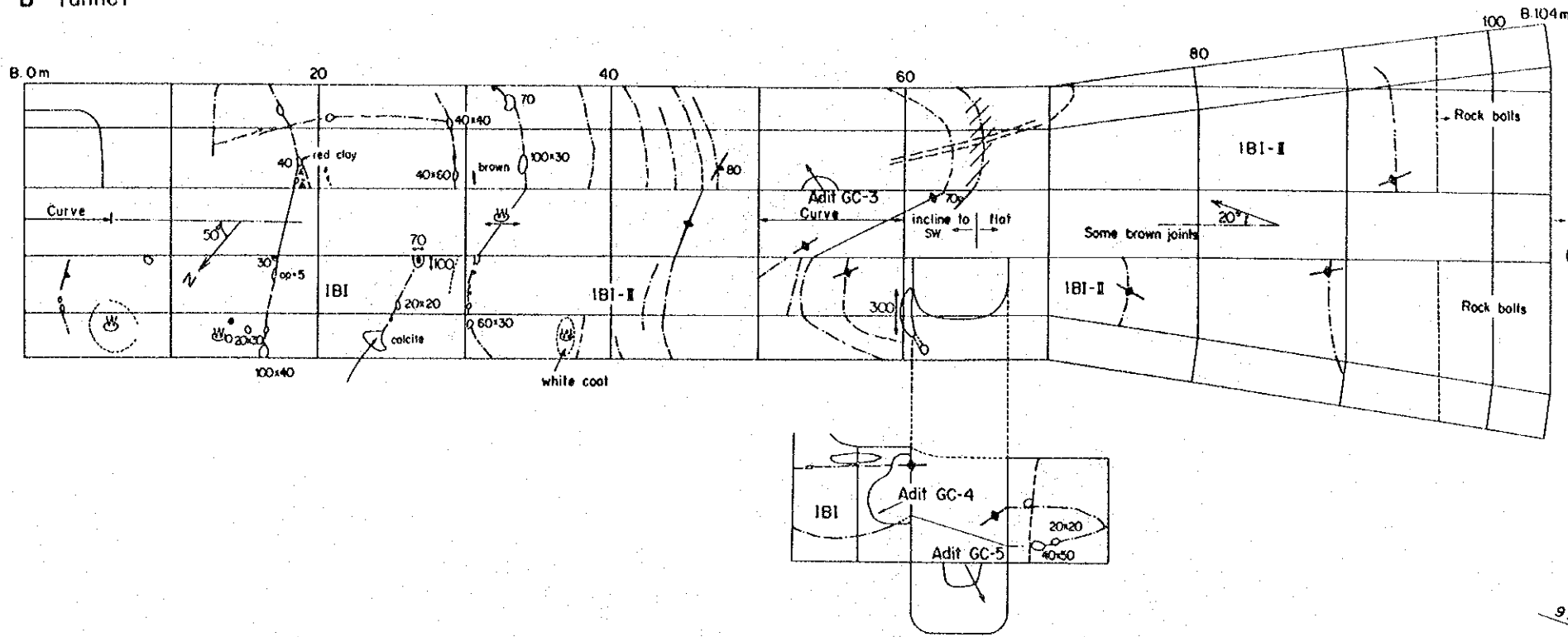


REPUBLIC OF HONDURAS  
 AMPLIFICATION PROJECT OF  
 EL CAJON HYDROELECTRIC POWER PLANT  
**GEOLOGY**  
**LOG OF SANTA BARBAR TUNNEL**  
 ( 1 of 2 )

Figure 1



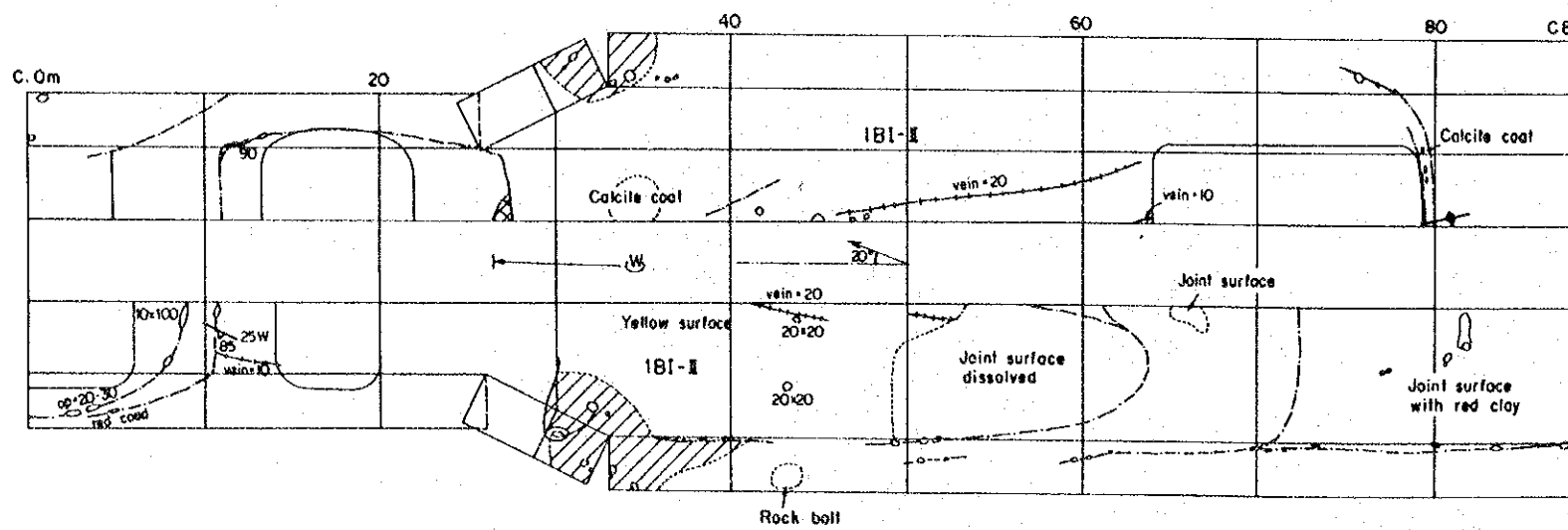
**B Tunnel**



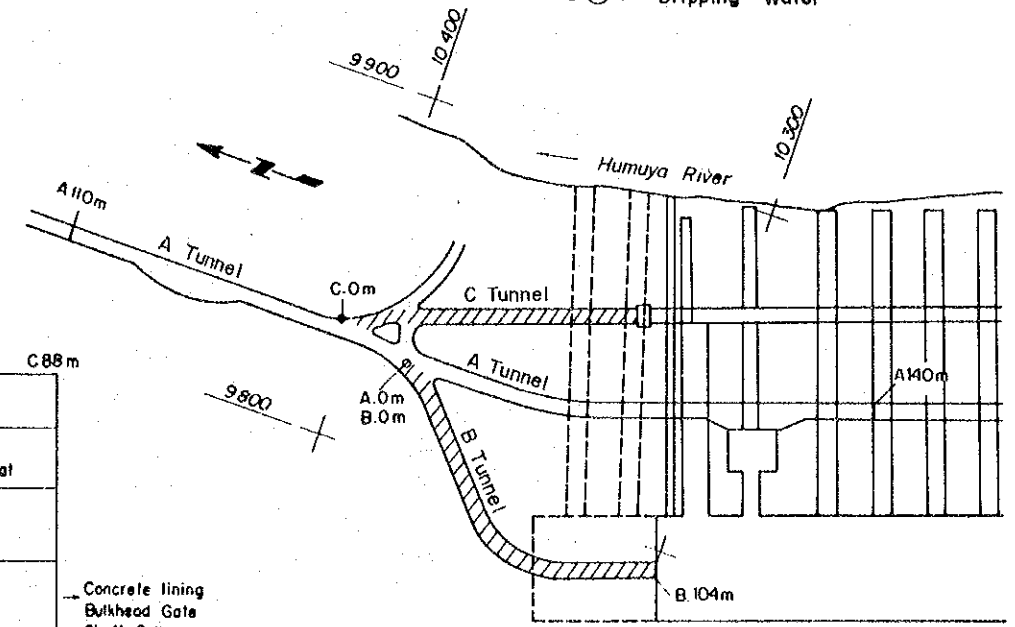
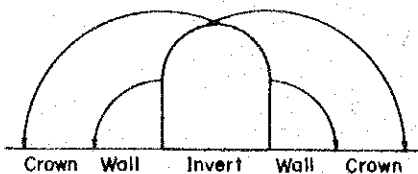
**LEGEND**

- Massive Sublithographic Limestone
- Strike and Dip of Fault
- Strike and Dip of Joint
- Solution Cavity or Tube
- Clay
- Calcite Vein
- Cracky Zone
- Water Inflow
- Dripping Water

**C Tunnel**



Layout of Walls and Crown



REPUBLIC OF HONDURAS	
AMPLIFICATION PROJECT OF EL CAJON HYDROELECTRIC POWER PLANT	
<b>GEOLOGY</b>	
<b>LOG OF SANTA BARBAR TUNNEL</b>	
( 2 of 2 )	
Figure 2	





## AP-3 遠方送信設備



A NETWORK DESIGN OUTLINE FOR HONDURAS

STATION NAME	REPEATER STATION		SULACO	
LOCATION	W	87° 31' 47"	W	87° 15' 54"
	N	14° 46' 10"	N	14° 54' 36"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		410 m	
GROUND LEVEL	1710 m		400 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N61°		N241°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	20 m
DISTANCE	32.5 km			

STATION NAME	REPEATER STATION		VALLECILLO	
LOCATION	W	87° 31' 47"	W	87° 23' 45"
	N	14° 46' 10"	N	14° 31' 03"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		970 m	
GROUND LEVEL	1710 m		940 m	
ANT HEIGHT	60 m		30 m	
ANT POINTING	N153°		N333°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	40 m
DISTANCE	31.4 km			

STATION NAME	REPEATER STATION		ESQUIAS	
LOCATION	W	87° 31' 47"	W	87° 22' 10"
	N	14° 46' 10"	N	14° 44' 28"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		670 m	
GROUND LEVEL	1710 m		660 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N100°		N280°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	20 m
DISTANCE	17.5 km			

STATION NAME	REPEATER STATION		SAN IGNACIO	
LOCATION	W	87° 31' 47"	W	87° 02' 26"
	N	14° 46' 10"	N	14° 39' 23"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		710 m	
GROUND LEVEL	1710 m		700 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N103°		N283°	
COAXIAL LENGTH	10D-2V 70 m		10D-2V 20 m	
DISTANCE	54.1 km			

STATION NAME	REPEATER STATION		MARLE	
LOCATION	W	87° 31' 47"	W	87° 10' 02"
	N	14° 46' 10"	N	14° 53' 39"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		710 m	
GROUND LEVEL	1710 m		700 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N70°		N251°	
COAXIAL LENGTH	10D-2V 70 m		10D-2V 20 m	
DISTANCE	41.4 km			

STATION NAME	LOS PICACHOS		PALMITAL	
LOCATION	W	87° 48' 30"	W	87° 48' 54"
	N	15° 01' 33"	N	14° 51' 13"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1013 m		850 m	
GROUND LEVEL	983 m		840 m	
ANT HEIGHT	30 m		10 m	
ANT POINTING	N182°		N2°	
COAXIAL LENGTH	10D-2V 40 m		10D-2V 20 m	
DISTANCE	19.1 km			

STATION NAME	REPEATER STATION		PUEBLO NUEVO	
LOCATION	W	87° 31' 47"	W	87° 46' 37"
	N	14° 46' 10"	N	14° 45' 42"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		590 m	
GROUND LEVEL	1710 m		580 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N268°		N88°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	20 m
DISTANCE	26.6 k m			

STATION NAME	REPEATER STATION		LOS PICACHOS	
LOCATION	W	87° 31' 47"	W	87° 48' 30"
	N	14° 46' 10"	N	15° 01' 33"
ANTENNA	3EL YAGI		3EL YAGI	
ALTITUDE	1770 m		1013 m	
GROUND LEVEL	1710 m		983 m	
ANT HEIGHT	60 m		30 m	
ANT POINTING	N313°		N133°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	40 m
DISTANCE	41.3 k m			

STATION NAME	REPEATER STATION		SAN JERONIMO	
LOCATION	W	87° 31' 47"	W	87° 36' 15"
	N	14° 46' 10"	N	14° 37' 33"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		510 m	
GROUND LEVEL	1710 m		500 m	
ANT HEIGHT	60 m		10 m	
ANT POINTING	N207°		N27°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	20 m
DISTANCE	17.8 k m			

STATION NAME	REPEATER STATION		SIALE	
LOCATION	W	87° 31' 47"	W	87° 12' 07"
	N	14° 46' 10"	N	14° 51' 29"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		520 m	
GROUND LEVEL	1710 m		460 m	
ANT HEIGHT	60 m		60 m	
ANT POINTING	N74°		N254°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	70 m
DISTANCE	36.6 k m			

STATION NAME	REPEATER STATION		EL JICARO	
LOCATION	W	87° 31' 47"	W	87° 27' 12"
	N	14° 46' 10"	N	14° 55' 18"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		380 m	
GROUND LEVEL	1710 m		320 m	
ANT HEIGHT	60 m		60 m	
ANT POINTING	N26°		N206°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	70 m
DISTANCE	18.7 k m			

STATION NAME	REPEATER STATION		LOS ENCUENTROS	
LOCATION	W	87° 31' 47"	W	87° 12' 33"
	N	14° 46' 10"	N	14° 49' 00"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		960 m	
GROUND LEVEL	1710 m		900 m	
ANT HEIGHT	60 m		60 m	
ANT POINTING	N81°		N261°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	70 m
DISTANCE	34.9 k m			

STATION NAME	LOS PICACHOS		SANTA ELENA	
LOCATION	W	87° 48' 30"	W	87° 54' 50"
	N	15° 01' 33"	N	14° 52' 40"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1013 m		760 m	
GROUND LEVEL	983 m		700 m	
ANT HEIGHT	30 m		60 m	
ANT POINTING	N215°		N35°	
COAXIAL LENGTH	10D-2V	40 m	10D-2V	70 m
DISTANCE	19.9 km			

STATION NAME	REPEATER STATION		MARAGUA	
LOCATION	W	87° 31' 47"	W	87° 44' 58"
	N	14° 46' 10"	N	14° 48' 26"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		400 m	
GROUND LEVEL	1710 m		340 m	
ANT HEIGHT	60 m		60 m	
ANT POINTING	N28°		N100°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	70 m
DISTANCE	24.0 km			

STATION NAME	REPEATER STATION		GUACAMAYA	
LOCATION	W	87° 31' 47"	W	87° 38' 12"
	N	14° 46' 10"	N	14° 44' 17"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1770 m		480 m	
GROUND LEVEL	1710 m		420 m	
ANT HEIGHT	60 m		60 m	
ANT POINTING	N253°		N73°	
COAXIAL LENGTH	10D-2V	70 m	10D-2V	70 m
DISTANCE	12.0 km			



STATION NAME	LOS PICACHOS		EL CAJON	
LOCATION	W	87° 48' 30"	W	87° 45' 19"
	N	15° 01' 33"	N	15° 01' 02"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1013 m		510 m	
GROUND LEVEL	983 m		500 m	
ANT HEIGHT	30 m		10 m	
ANT POINTING	N99°		N279°	
COAXIAL LENGTH	10D-2V	40 m	10D-2V	20 m
DISTANCE	5.8 km			

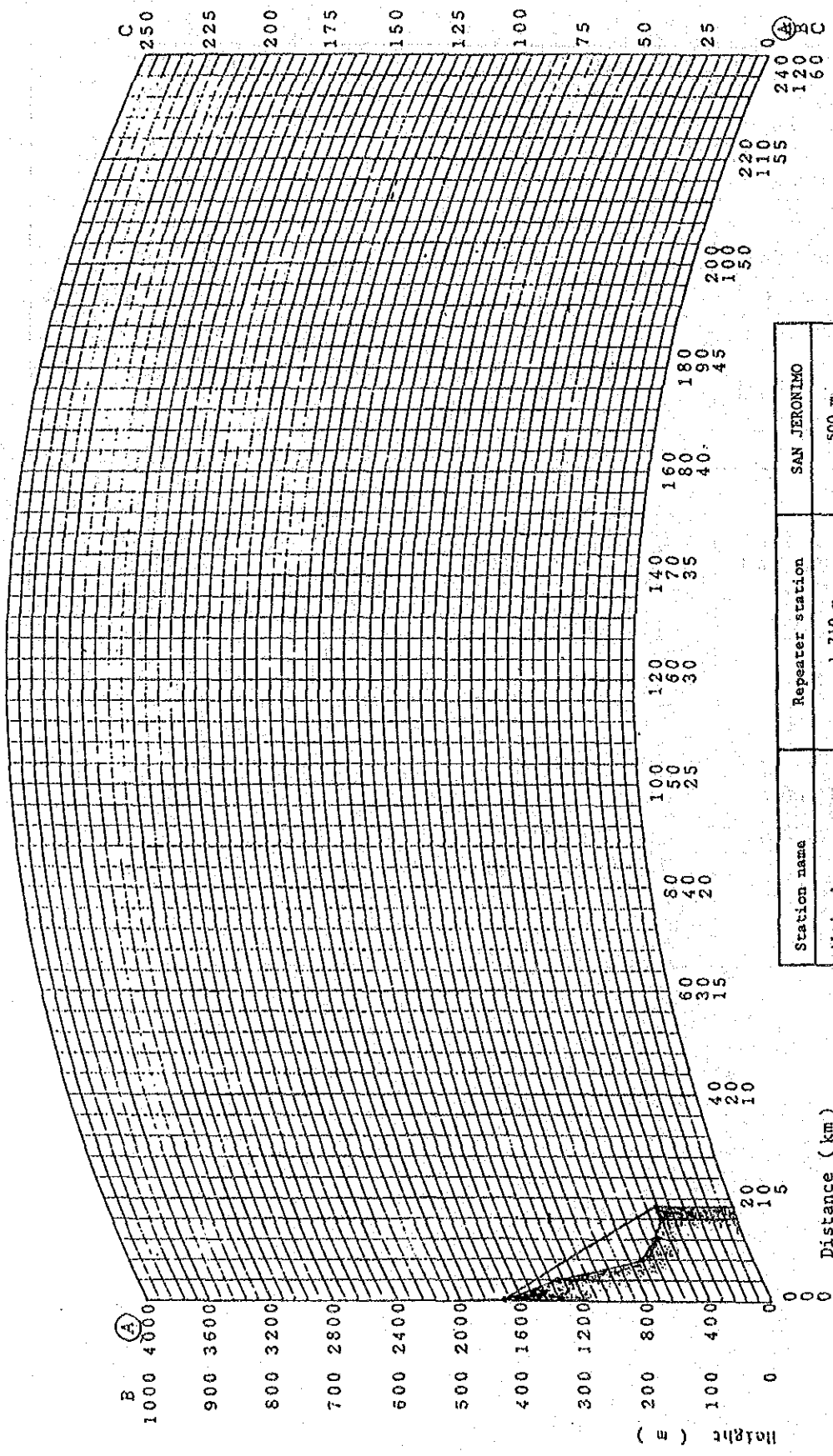
STATION NAME	LOS PICACHOS		SANTA ELENA	
LOCATION	W	87° 48' 30"	W	87° 55' 15"
	N	15° 01' 33"	N	14° 53' 34"
ANTENNA	3 STEPS DIPOLE		3EL YAGI	
ALTITUDE	1013 m		770 m	
GROUND LEVEL	983 m		740 m	
ANT HEIGHT	30 m		30 m	
ANT POINTING	N219°		N39°	
COAXIAL LENGTH	10D-2V	40 m	10D-2V	40 m
DISTANCE	19.1 km			

STATION NAME	LOS PICACHOS		SANTA RITA	
LOCATION	W	87° 48' 30"	W	87° 52' 27"
	N	15° 01' 33"	N	15° 11' 41"
ANTENNA	3EL YAGI		3EL YAGI	
ALTITUDE	1013 m		190 m	
GROUND LEVEL	983 m		180 m	
ANT HEIGHT	30 m		10 m	
ANT POINTING	N339°		N159°	
COAXIAL LENGTH	10D-2V	40 m	10D-2V	20 m
DISTANCE	20.0 km			

STATION NAME	LOS PICACHOS		EL REMOLINO	
LOCATION	W	87° 48' 30"	W	87° 48' 59"
	N	15° 01' 33"	N	15° 9' 19"
ANTENNA	3EL YAGI		3EL YAGI	
ALTITUDE	1013 m		60 m	
GROUND LEVEL	983 m		50 m	
ANT HEIGHT	30 m		10 m	
ANT POINTING	N339°		N177°	
COAXIAL LENGTH	10D-2V	40 m	10D-2V	20 m
DISTANCE	11.5 km			

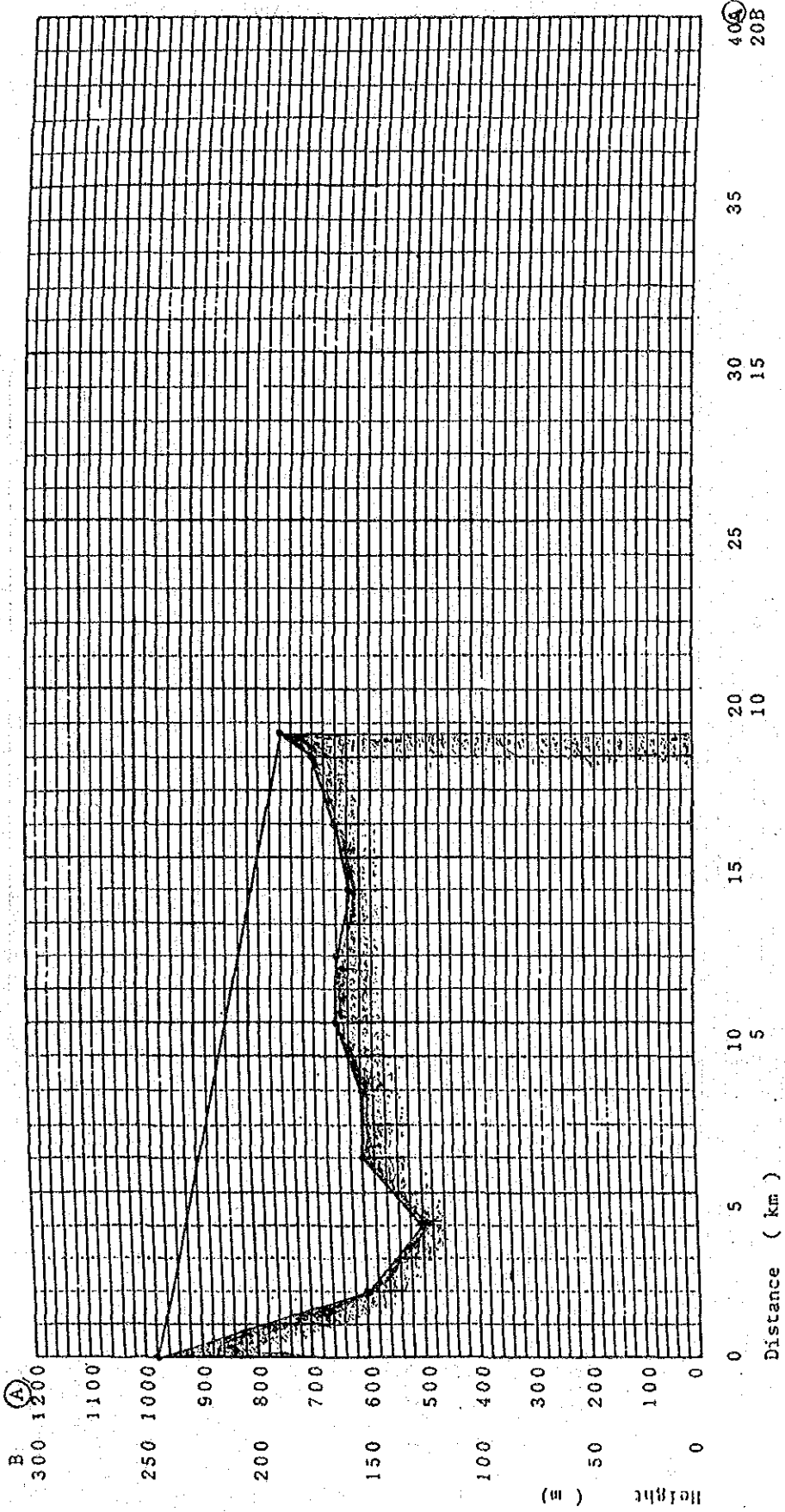
TERRAIN PROFILE

( k = 4/3 )



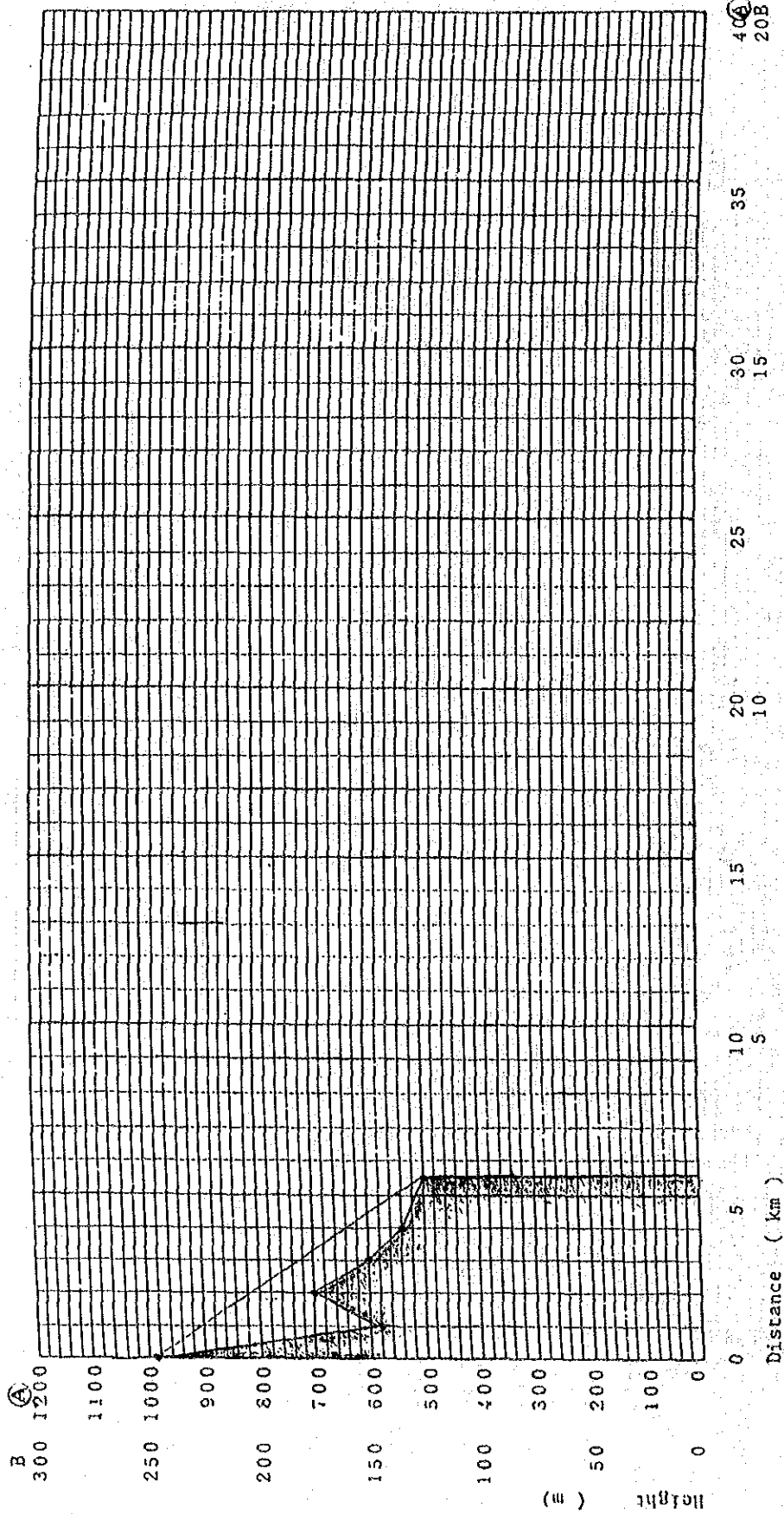
Station name	Repeater station		SAN JERONIMO
Altitude	1,710 m		500 m
Antenna height	m		m
Location	W	87°31'47"	87°36'15"
	N	14°46'10"	14°37'33"
Distance			17.3 km

TERRAIN PROFILE ( K = 4/5 ) Scale: \_\_\_\_\_



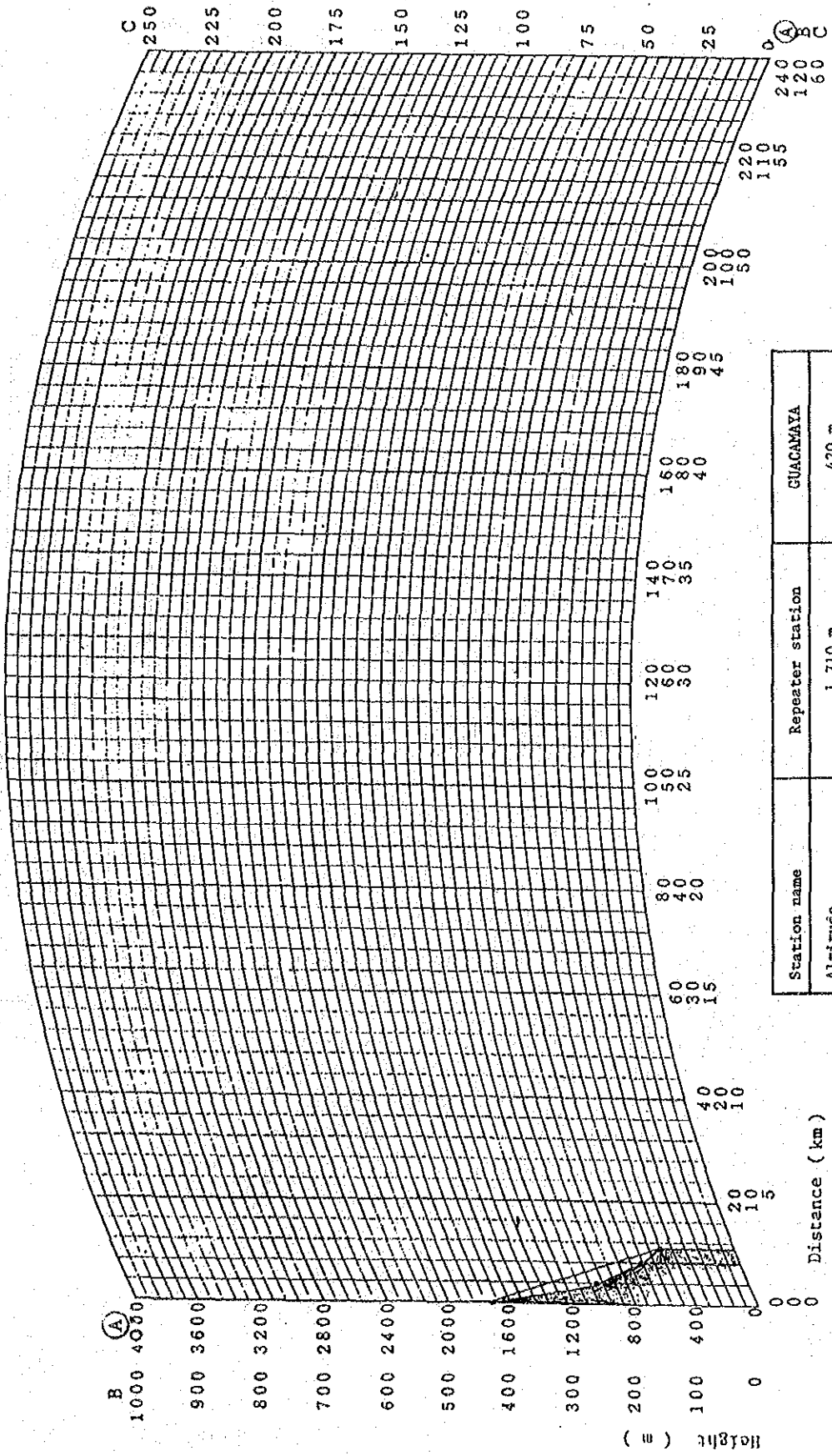
Station name	Los Picachos	SANTA ELENA
Altitude	983 m	740 m
Antenna height	m	m
Location	W	87°55'15"
	N	14°53'34"
Distance	18.8 km	

TERRAIN PROFILE ( K = 4/3 ) Scale: \_\_\_\_\_



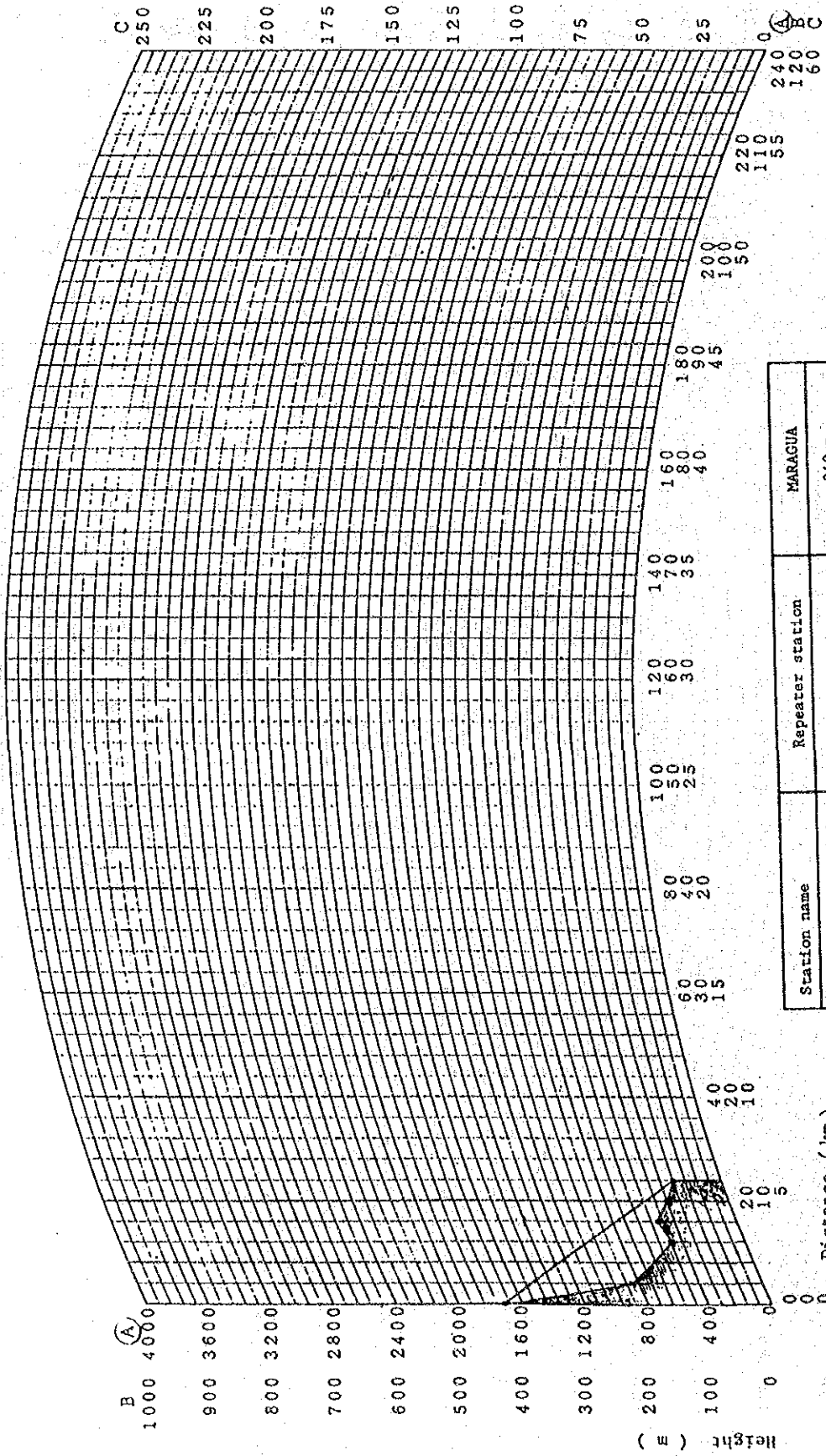
Station name	Los Picachos	EL CAJON
Altitude	983 m	500 m
Antenna height	m	m
Location	W	87°45'19"
	N	15°01'33"
Distance	5.6 km	

TERRAIN PROFILE (k = 4/3)



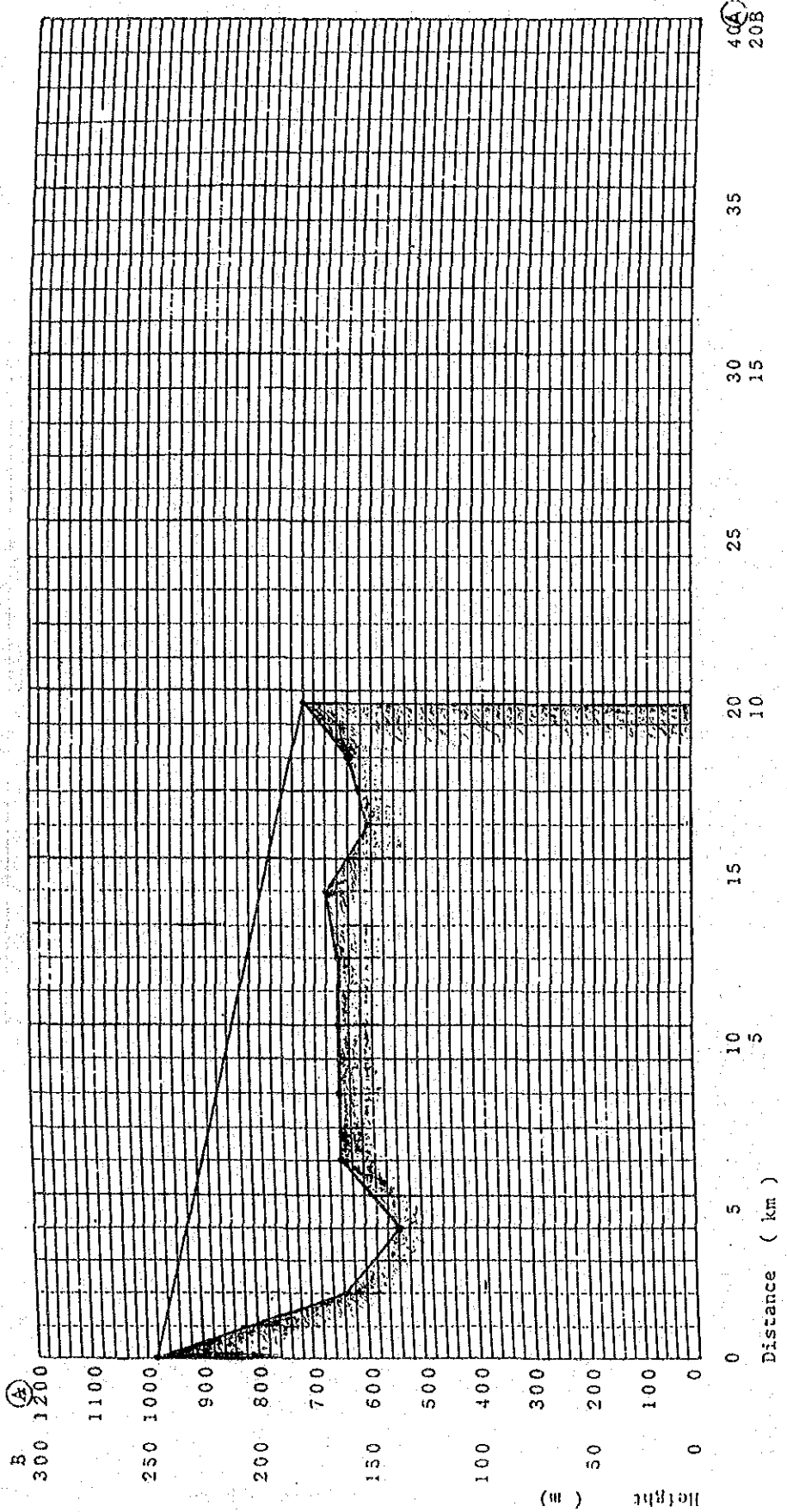
Station name	Repeater station	CUACAMAYA
Altitude	1,710 m	420 m
Antenna height	m	m
Location	W	87°38'12"
	N	14°44'17"
Distance	11.9 km	

TERRAIN PROFILE (k = 4/3)



Station name	Repeater station		MARAGUA
Altitude	1,710 m		340 m
Antenna height	m		m
Location	W	87°31'47"	87°44'58"
	N	14°46'10"	14°48'26"
Distance			24.0 km

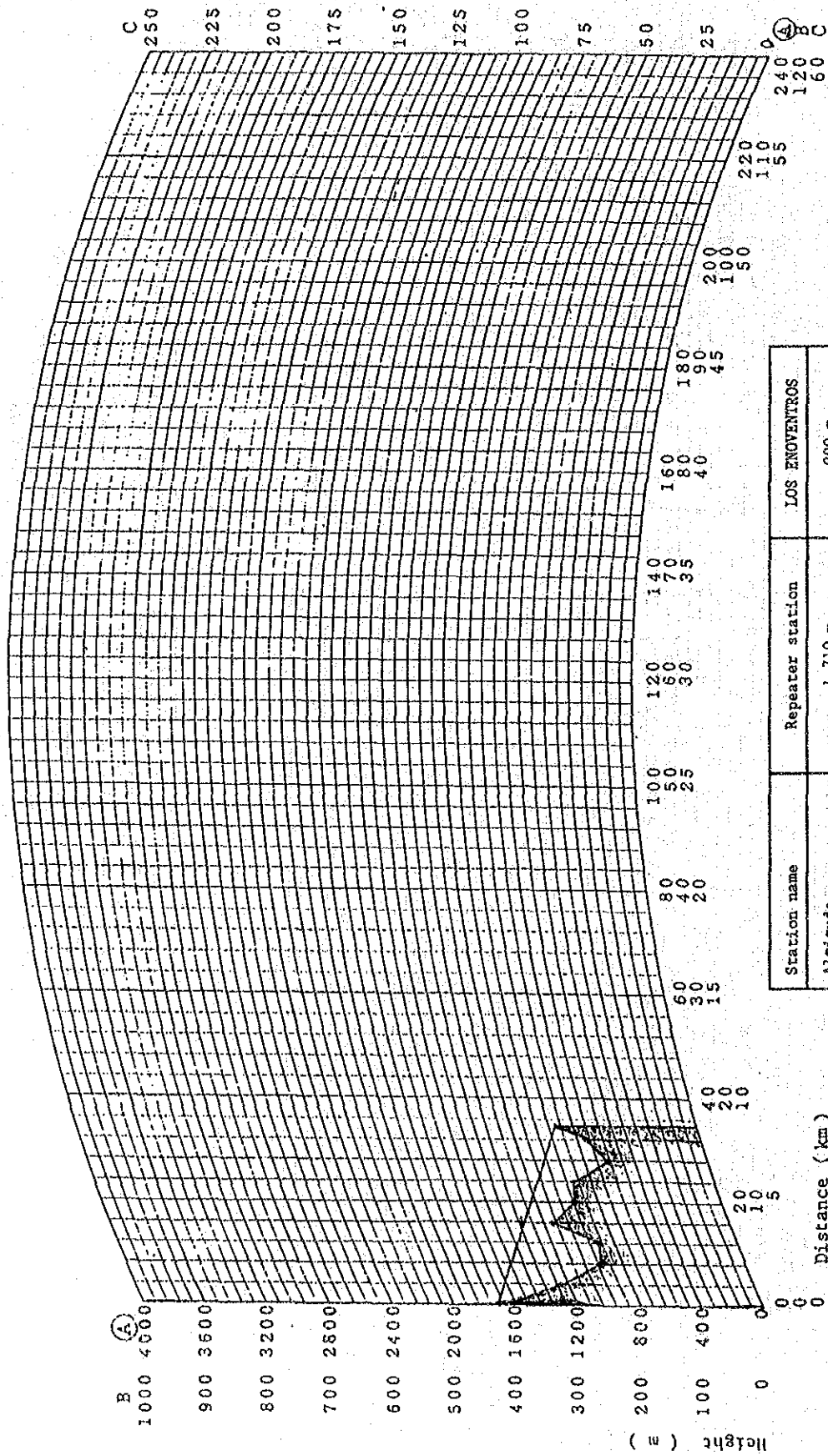
TERRAIN PROFILE ( K = 4/3 ) Scale: \_\_\_\_\_



Station name	Los Picachos	SANTA ELENA
Altitude	983 m	700 m
Antenna height	m	m
Location	W	87°54'30"
	N	14°01'33"
Distance	19.7 km	

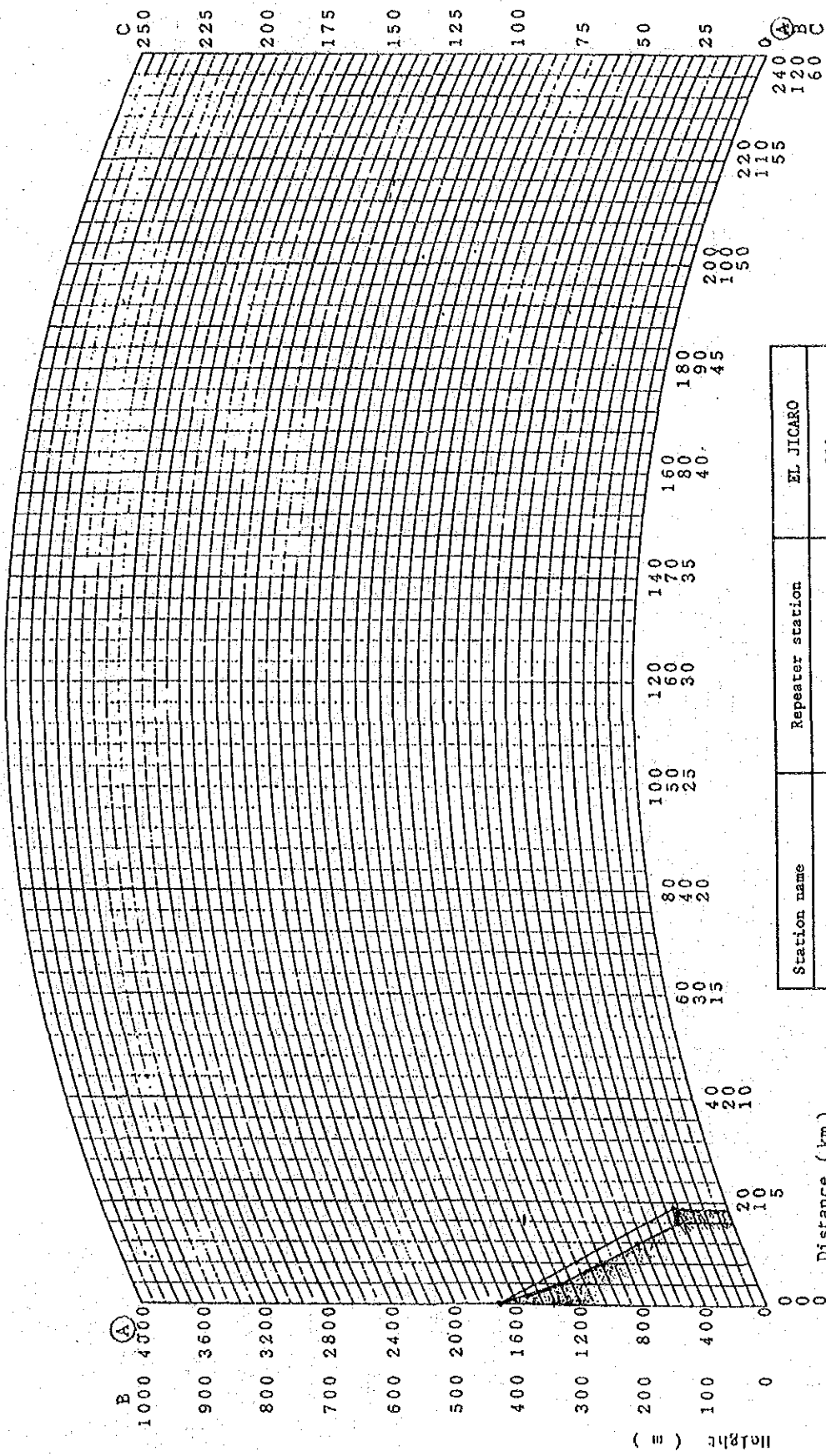


TERRAIN PROFILE ( k = 4/3 )



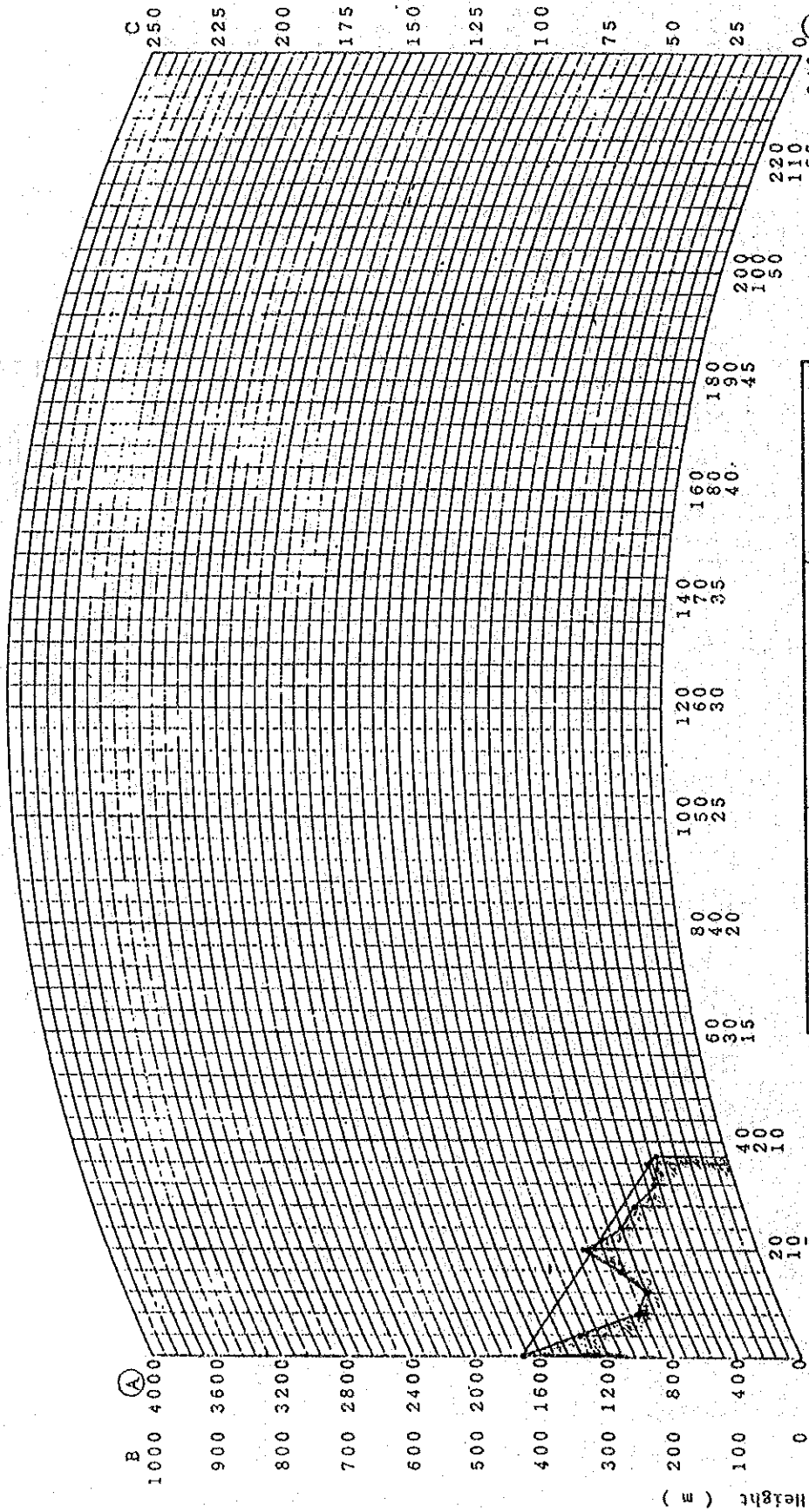
Station name	Repeater station	LOS ENOVENTOS
Altitude	1,710 m	900 m
Antenna height	m	m
Location	W	87°12'33"
	N	14°49'00"
Distance	35.0 km	

TERRAIN PROFILE (k = 4/3)



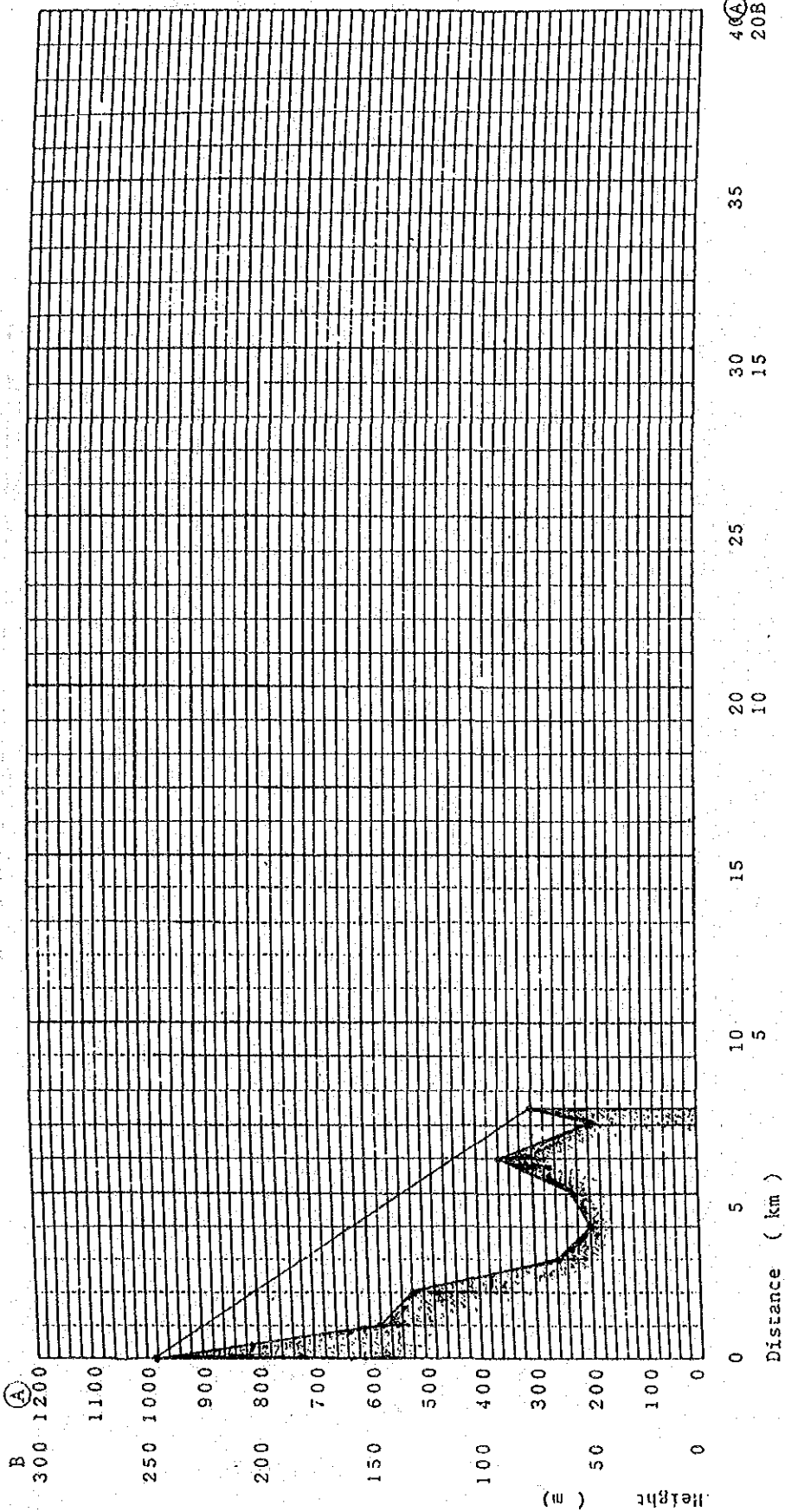
Station name	Repeater station	EL JICARO
Altitude	1,710 m	320 m
Antenna height	m	m
Location	W	87°27'12"
	N	14°55'18"
Distance	18.92 km	

TERRAIN PROFILE ( k = 4/3 )



Station name	Repeater station	SCALE
Altitude	1,710 m	460 m
Antenna height	m	m
Location	W	87°12'07"
	N	14°51'29"
Distance	36.75 km	

TERRAIN PROFILE ( K = 4/3 ) Scale: \_\_\_\_\_



Station name	Los Picachos	EL CAJON
Altitude	983 m	300 m
Antenna height	m	m
Location	W	87°48'30"
	N	15°01'33"
Distance	7.5 km	