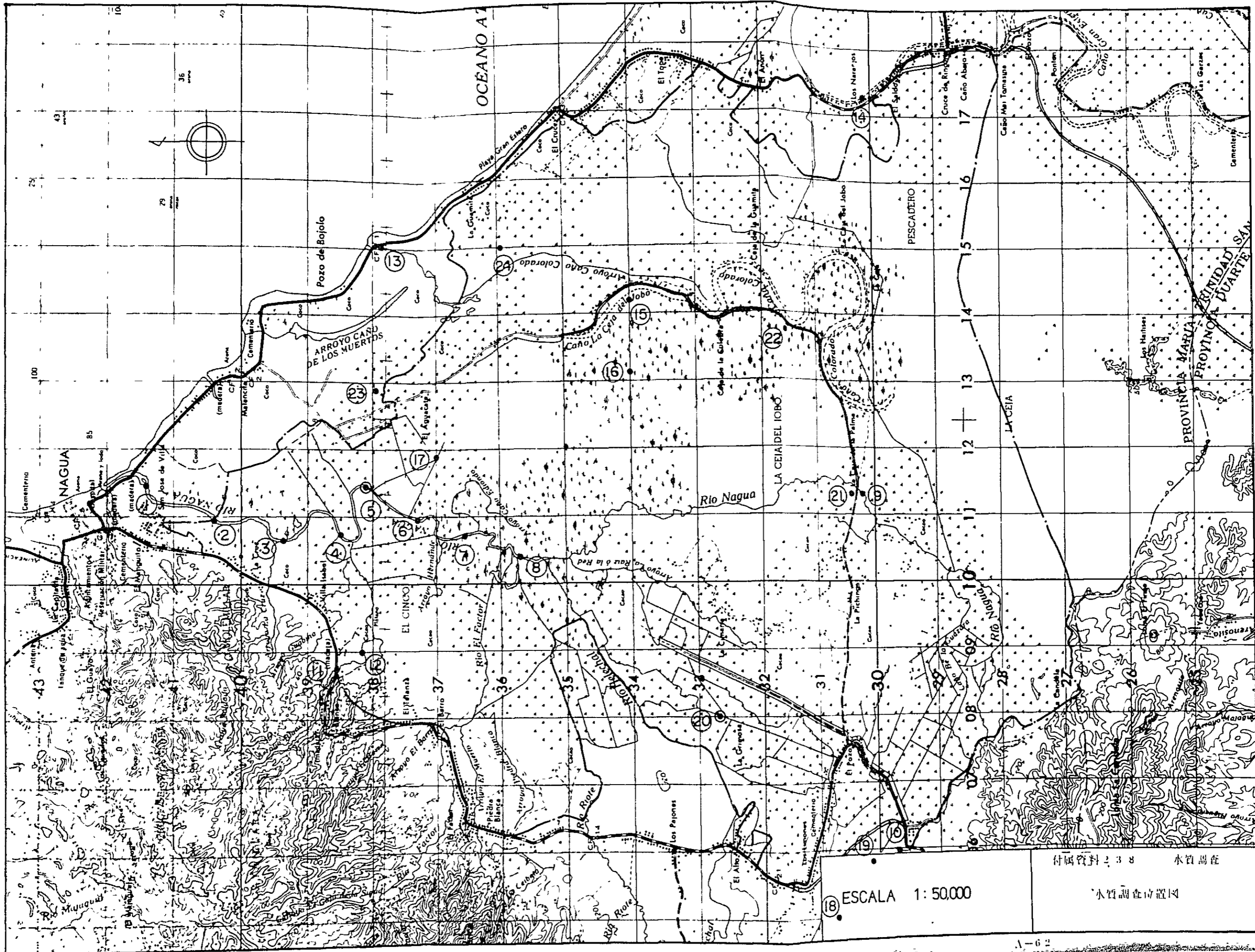


付属資料 2.3.7 年平均降雨量及び流出量

年	平 均 降 雨 量 (mm)				流 出 量		流 出 率		
	COTUY	PIMENTEL	'EVICOS	VILLA RIVA	SAN JOSE DE MACORIS	平 均		Q (m ³)	D (mm)
1956	1,864.0	2,042.0	2,294.3	3,277.0	2,066.0	2,308.7	2,895,725,126	6321	0.274
1957	1,308.3	1,239.0	1,715.5	2,357.0	1,292.6	1,582.5	1,685,063,088	3678	0.232
1958	1,810.0	1,972.0	2,067.6	2,192.1	1,851.8	1,978.7	3,629,225,952	7922	0.400
1959	1,563.6	1,311.0	1,816.2	1,307.5	998.7	1,399.4	1,507,578,480	3291	0.235
1960	2,049.7	1,491.8	2,733.2	1,775.6	1,379.7	1,866.0	2,671,790,691	5832	0.309
1961	1,648.2	1,091.9	2,577.7	2,152.0	1,091.5	1,712.3	3,602,949,210	7865	0.459
1962	1,501.0	1,172.1	2,458.1	1,740.3	1,147.8	1,603.9	2,866,578,122	6258	0.390
1963	1,857.5	1,666.2	2,515.0	2,446.5	1,129.9	1,923.0	3,814,927,989	8328	0.433
1964	1,463.8	1,875.3	1,849.2	1,882.3	1,599.7	1,734.1	2,188,681,171	4778	0.276
1965	1,395.5	1,661.8	2,203.5	1,712.4	1,202.8	1,635.2	3,583,041,252	7827	0.478
1966	1,664.6	1,747.8	2,668.7	1,718.2	-	1,949.8	4,040,158,908	881.9	0.452
-	(9744)	998.2	1,197.5	926.2	815.7	-	-	-	-
1968	1,811.3	1,934.3	2,009.1	1,764.5	1,327.9	1,769.4	1,348,703,891	2944	0.166
1969	2,402.4	1,551.6	2,123.0	2,054.2	1,283.1	1,882.9	2,212,250,400	4829	0.256
1970	2,803.6	2,685.0	2,024.9	4,236.0	1,574.7	2,664.8	3,377,070,059	737.2	0.277
1971	2,248.7	2,028.8	2,533.2	3,299.2	-	2,527.5	2,357,252,928	514.6	0.204
1972	2,144.7	2,260.3	2,504.2	3,328.8	-	2,559.5	2,256,371,627	551.5	0.215
1973	1,794.4	1,005.7	1,939.0	1,962.9	-	1,608.0	1,375,158,816	300.2	0.187
1974	2,012.7	1,565.8	2,323.8	-	-	1,967.0	2,169,613,728	473.6	0.241
1975	2,635.7	1,611.9	2,355.1	-	-	2,200.9	1,873,553,760	409.0	0.186
1976	2,569.1	1,780.7	2,149.3	1,500.3	-	1,999.9	1,804,393,117	393.9	0.197
1977	1,841.7	2,059.5	1,859.0	1,929.4	-	1,922.4	1,615,116,240	352.6	0.183
1978	1,771.7	1,852.0	1,806.2	1,842.8	1,221.9	1,698.9	1,828,867,248	399.2	0.235
1979	2,623.6	-	2,809.4	-	2,518.7	2,650.6	3,737,993,616	816.0	0.308
平 均						1,963.7		542.9	0.276



1

2

3

付属資料 2.38 水質調査(1) ナグア川

測点番号	水面からの 深さ (m)	P H	温 度 (°C)	溶 存 酸 素 (ppm)	電 気 伝 導 度 (m μ /cm)	濁 度 (ppm)	摘 要
① 河口部	0.20	6.3	27.8	2.8	67	2	水深60m
	0.50	6.7	28.2	3.3	265	1	試料採集
	1.00	7.1	29.3	4.6	491	0	
	1.50	7.7	29.8	5.6	530	0	試料採集
	2.00	7.8	30.2	4.7	547	1	
	2.50	7.9	30.3	3.5	554	0	
	3.00	7.9	30.3	3.1	560	0	
	3.50	8.0	30.3	4.3	561	0	
	4.00	8.0	30.3	5.3	564	0	
	4.50	8.0	30.3	5.8	567	1	
	5.00	8.1	30.3	5.9	569	0	
	5.50	8.0	30.3	6.1	570	0	
6.00	8.0	30.3	5.6	570	1		
②	0.20	7.6	28.0	2.8	68	5	水深65m
	0.50	7.3	27.9	2.2	78	4	
	1.00	7.1	28.3	2.9	431	0	
	1.50	7.6	30.1	1.5	514	1	
	2.00	7.7	30.3	4.6	548	0	
	2.50	7.8	30.5	4.6	562	0	
	3.00	7.9	30.5	4.7	563	0	
	3.50	7.9	30.5	1.4	565	0	
	4.00	7.9	30.5	5.2	565	0	
	4.50	8.0	30.4	5.9	565	0	
	5.00	8.0	30.4	6.2	565	0	
	5.50	8.0	30.4	6.4	567	1	
6.00	8.1	30.4	5.7	567	1		
③	0.20	7.5	28.0	3.0	56	8	水深62m
	0.50	7.3	28.8	2.3	395	1	
	1.00	7.4	30.4	3.5	562	0	
	1.50	7.8	30.7	3.5	563	0	
	2.00	7.8	30.7	3.5	564	0	
	2.50	7.8	30.6	3.1	565	0	
	3.00	7.9	30.6	3.7	565	0	
	3.50	7.9	30.6	1.2	565	0	
	4.00	7.9	30.6	4.7	564	1	
	4.50	8.0	30.5	5.8	564	1	
	5.00	8.0	30.4	6.4	563	1	
	5.50	8.0	30.4	6.3	559	1	
6.00	8.1	30.4	6.6	560	1		

水質調査(2) ナグア川

測 番号	水面からの 深さ (m)	P H	温 度 (°C)	溶 存 酸 素 (ppm)	電 気 伝 導 度 (m μ /cm)	濁 度 (ppm)	摘 要
④	0 2 0	7 9	2 8 2	2 9	2 9	3	水深56m
	0 5 0	7 4	2 8 4	2 2	3 0 4	1	試料採取
	1 0 0	7 2	2 9 7	4 5	5 5 3	1	
	1 5 0	7 8	3 1.1	3 4	5 6 4	1	試料採取
	2 0 0	7 8	3 1.1	3 4	5 6 6	1	
	2 5 0	7 8	3 1.0	2 5	5 6 7	1	
	3 0 0	7 8	3 0.9	2 4	5 6 7	1	
	3 5 0	7 8	3 0.8	2 5	5 6 7	1	
	4 0 0	7 8	3 0.8	2 3	5 6 7	0	
	4 5 0	7 8	3 0.8	1 9	5 6.6	0	
	5 0 0	7 8	3 0.8	1.8	5 6.3	0	
	5 5 0	7 8	3 0.6	1.8	5 6.1	0	
⑤	0 2 0	7 7	2 9.0	2 8	1.0	1 0	水深45m
	0 5 0	7 3	2 9.0	2 7	1.0	1 1	
	1 0 0	7 2	3 1.2	5 3	5 2 8	1	
	1 5 0	7 7	3 1.5	1 1.6	5 6 7	0	
	2 0 0	7 8	3 1.7	1 0 8	5 6 8	0	
	2 5 0	7 8	3 1.4	9 5	5 6 7	0	
	3 0 0	7 8	3 1.3	8 8	5 6 8	0	
	3 5 0	7 8	3 1.1	8 4	5 6 7	0	
	4 0 0	7 7	3 0.9	6 8	5 6 4	1	
	4 5 0	7 8	3 0.9	6 6	5 6 3	0	
⑥	0 2 0	7 6	2 8 9	1 1	1 1	1 1	水深40m
	0 5 0	7 3	2 8 8	1.5	1.0	1 1	
	1 0 0	7 0	2 9 5	0.0	5 4 1	2	
	1 5 0	7 7	3 1 4	3 1	5 6 3	1	
	2 0 0	7 8	3 1.6	3 2	5 6 3	1	
	2 5 0	7 8	3 1 4	2 4	5 6 2	0	
	3 0 0	7 7	3 1.2	1 4	5 7 4	0	
	3 5 0	7 7	3 1.0	0 8	5 7 5	0	
	4 0 0	7 7	3 0 9	0 7	5 7.2	1	

水質調査(3) ナグア川

測点番号	水面からの 深さ (m)	P H	温 度 (°C)	溶 存 酸 素 (ppm)	電 気 伝 導 度 (m μ /cm)	濁 度 (ppm)	摘 要	
⑦	0.20	7.2	29.3	1.7	0.9	1.4	水深30m	
	0.50	7.2	28.8	1.5	0.8	1.3	試料採取	
	0.75				0.9			
	0.85				49.5			
	1.00	6.9	29.1	2.5	52.7	1	試料採取	
	1.50	7.7	31.3	3.6	56.6	0		
	2.00	7.7	31.3	1.5	56.7	0	試料採取	
	2.50	7.7	31.2	2.1	56.3	1		
	水位計よりの距離 (下流側) 100m	1.00				44.5		水深1.10m
	85	0.90				35.6		" 1.10
75	1.00				5.2		" 1.20	
50	0.85				2.3		" 1.10	
⑧ 水位計 設置点	0.20	7.9	28.6	1.3	1.8	2.6	水深105m 表流水採取	
	0.50	7.8	28.5	1.3	2.4	2.9	試料採取	
	0.90	7.9	28.3	4.6	2.3	3.4		
海 水	0.50	8.1	31.2	6.7	58.5	5	Nagua 海岸	

採取資料は水利庁にて分析を行った。分析結果は水質測定(5)にある。

水 質 調 査 (4)

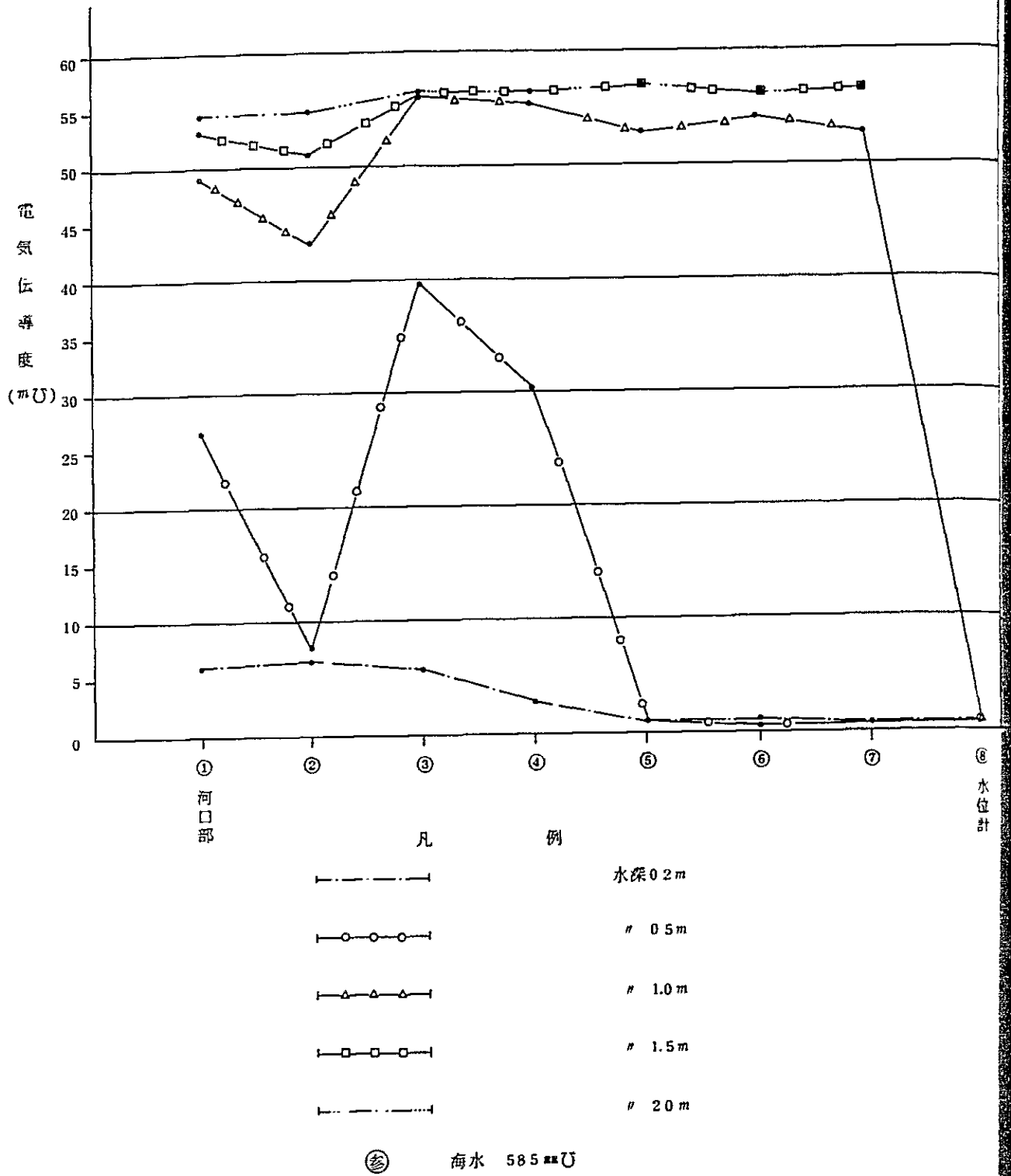
測点番号	水面からの 深さ (m)	PH	水 温 (°C)	溶 存 酸 素 (ppm)	電 気 伝 導 度 (m μ /cm)	濁 度 (ppm)	摘 要
⑨ Nagua 川	0 2 0	7 8	2 9.1	3.3	1.8	0	Pichinga 橋
"	0 1 0	7.6	2 9.5	3.9	1.8	4	橋の上流50m
⑩ "	0 2 0	7.5	2 7.6	0.5	2.2	2.6	
⑪ Factor 川	0 2 0	7.5	2 9.4	2.0	2.1	4.5	
"	1.2 5	7.2	2 9.0	1.8	2.1	1	
⑫ "	0 2 0	7.5	2 7.9	2.8	2.1	3 7.6	
⑬ Caño Colorado	0 1 0	7.1	3 4.6	1.1	4 1.6	3	
"	1.0 0	7.8	3 1.9	3.1	5 4.2	3	
"	2 8 0	7.9	3 1.2	3.3	5 7.2	1	
⑭ Gran Estero	0 2 0	7.0	3 2.4	3.1	9.5	1	
"	1.0 0	6.9	3 1.3	1.3	3 3.7	1	ポンプ吸込口
⑮ 用 水 路	0 3 0	7.1	3 0.4	0.8	2.0	3.2	
⑯ "	0 1 0	7.2	2 6.2	0.6	1.9	1.4	
⑰ "	0 2 0	7.0	2 9.7	0.5	2.3	5	
"	0 6 0	6.9	2 9.3	0.5	2.1	4	
⑱ "	0 3 0	7.7	2 8.7	2.4	1.7	1.2	
⑲ 排 水 路	0 2 0	7.3	3 2.5	1.8	2.3	2.1	
⑳ "	0 2 0	7.3	3 3.5	5.9	1.9	2.6	
㉑ 井 戸	1 0 0	6.9	2 8.7	0.5	2.3	5	水深 20 m
㉒ "	0 4 0	6.9	2 7.9	2.4	2.3	1.5	" 1.7
㉓ "	0 1 0	7.1	2 8.9	6.6	1.4	1	" 1.5
㉔ "	0 2 0	6.7	2 9.7	2.8	1.9	5	" 0.9

水質調査(5) 室内分析結果一覧表

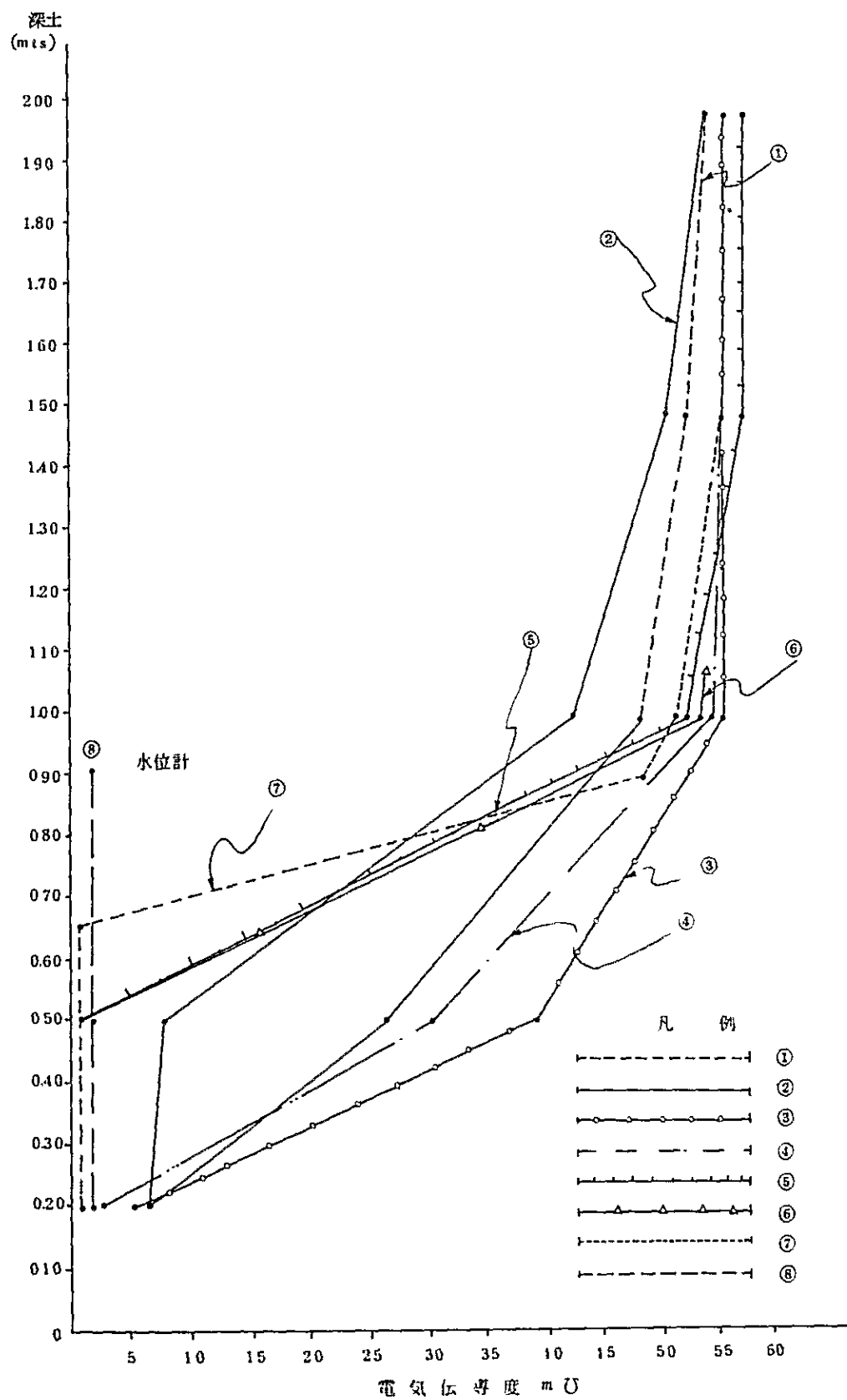
試料採取地点	表面からの深さ	PH	電伝導度	化学分析 (meq/l)							ナトリウム 吸収係数	Ca++	区分
				Ca+Mg+	Na+	K+	CO ₃ ⁻	HCO ₃ ⁻	SO ₄ ⁻	Cl ⁻			
河 口 部	0.50	8.1	60.000	123.97	36.400	10.80	0.21	2.60	4.450	447.86	46.25	41.30	C4 S4
	-2.00	8.1	67.500	132.78	41.200	12.40	0.42	2.28	5.500	491.96	50.42	57.85	C4 S4
№ 4	0.50	7.9	54.000	118.80	34.600	10.40	0.00	2.93	4.500	438.06	44.93	82.64	C4 S4
	2.00	8.1	67.500	154.96	41.200	12.90	0.21	2.50	4.950	521.36	46.81	65.08	C4 S4
№ 7	0.50	7.7	25.00	67.3	13.05	0.50	0.00	3.26	1.55	162.7	7.13	2.58	C4 S4
	1.00	7.8	67.500	128.10	41.200	12.00	0.21	2.60	5.150	496.86	51.50	23.57	C4 S4
	2.00	7.7	67.500	130.16	40.000	12.00	0.00	2.82	4.650	521.36	49.62	46.49	C4 S4
水 位 計	表層	8.2	32.5	28.9	0.39	0.04	0.00	3.04	0.23	0.44	0.32	1.75	C2 S1
	0.40	8.1	6.50	33.8	2.54	0.12	0.00	2.93	0.60	2.99	1.95	1.86	C2 S1

分析は INDRHI の土壌試験所で行った。

水質調査(6) Nagua 川水質測定その1



水質調査(7) Nagua川水質測定その2



付属資料 239 基礎作物蒸発量

Penman方式による基礎作物蒸発散量 E_oT

$$E_oT = \frac{\Delta}{\Delta + \gamma} R_n + \frac{\gamma}{\Delta + \gamma} (0.35)(1.0 + 0.01W_2)(e_a - e_d)$$

ここに、 R_n : 純放射

R_s : 太陽放射

R_L : 出てゆく長波放射

Δ : 気温に関する定数

γ : 乾湿球湿度計式の定数

W_2 : 地上 2 m の風速 miles/day

e_a : 飽和水蒸気圧 (平均気温における) mmHg

e_d : 露点における飽和水蒸気圧 mmHg

a) 純放射 R_n

$$R_n = (1 - \alpha) R_s - R_L = 0.8 R_s - R_L \quad (\alpha = 0.2)$$

$$R_L = (1.35 R_s / R_{s0} - 0.35) R_{L0}$$

$$R_{L0} = \sigma T_k^4 (0.56 - 0.092 \sqrt{e_d}) \quad (\text{湿潤地帯})$$

$$\sigma T_k^4 = 11.0 + 0.2 t$$

ここに、 R_{L0} : 晴天の日に出てゆく長波放射

R_s : 観測した日の太陽放射

R_{s0} : 同じ日の雲のないときの太陽放射

σT_k^4 : 黒色体の放射

t : 平均気温 (°C)

σT_k^4

月	1	2	3	4	5	6	7	8	9	10	11	12
t	246	248	251	254	258	264	265	267	268	263	256	247
σT_k^4	1592	1596	1602	1608	1616	1628	1630	1634	1636	1626	1612	1594

E_d (mmHg)

月	1	2	3	4	5	6	7	8	9	10	11	12
t (°C)	246	248	251	254	258	264	265	267	268	263	256	247
e_a (mmHg)	225	226	228	230	240	245	247	255	255	245	232	226
湿度 (%)	855	844	819	807	815	823	833	844	849	854	870	866
E_d (mmHg)	1924	1907	1867	1856	1956	2016	2058	2152	2165	2092	2018	1957

e_a と t の関係

t	0	1	2	3	4	5	6	7	8	9
20	1754	1866	1983	2108	2238	2376	2522	2673	2835	3005

$$R_{LO} = \sigma T_k^4 (0.56 - 0.092\sqrt{e_d})$$

月	1	2	3	4	5	6	7	8	9	10	11	12
R _{LO}	249	253	260	263	247	239	233	218	216	226	237	244

R_{so} (cal/cm²/day) (緯度は 19° 20')

月	1	2	3	4	5	6	7	8	9	10	11	12	
緯度	10°	750	821	873	894	885	873	879	880	872	830	767	735
	(19°20')	649	738	837	901	927	930	927	901	845	760	663	618
	20°	642	732	834	902	930	934	930	902	843	755	656	610

R_s = R_{so} (0.35 + 0.61S) S:日照率

月	1	2	3	4	5	6	7	8	9	10	11	12
R _{so}	649	738	837	901	927	930	927	901	845	760	663	618
s	048	040	045	043	050	048	048	049	048	050	051	050
R _s	235	276	316	251	268	291	203	206	275	223	217	254

$$R_L = (135 R_s / R_{so} - 035) R_{LO}$$

月	1	2	3	4	5	6	7	8	9	10	11	12
R _L	129	114	128	125	132	124	121	115	112	121	128	130

$$R_n = 08 R_s - R_L$$

月	1	2	3	4	5	6	7	8	9	10	11	12
R _n	441	485	587	630	698	694	694	685	631	560	471	424

b) $\frac{\Delta}{\Delta + \gamma}$, $\frac{\gamma}{\Delta + \gamma}$

気温との関係

t	$\frac{\Delta}{\Delta + \gamma}$	$\frac{\gamma}{\Delta + \gamma}^{**}$
20	0682	0318
25	0735	0265
30	0781	0219

$$** \frac{\gamma}{\Delta + \gamma} = 1 - \frac{\Delta}{\Delta + \gamma}$$

月	1	2	3	4	5	6	7	8	9	10	11	12
t (°C)	246	248	251	254	258	264	265	267	268	263	256	247
$\frac{\Delta}{\Delta + \gamma}$	0730	0732	0735	0738	0742	0747	0749	0750	0751	0746	0740	0731
$\frac{\Delta}{\Delta + \gamma}$	0270	0268	0265	0262	0258	0253	0251	0250	0249	0254	0260	0269

c) 風速 V

月	1	2	3	4	5	6	7	8	9	10	11	12
V ₁ (m/s)	13	15	24	18	16	16	17	14	11	10	10	10
V ₂ (miles/day)	606	699	1119	839	746	746	793	653	513	466	466	466

d) EoT

月	1	2	3	4	5	6	7	8	9	10	11	12
EoT	371	411	513	540	588	586	585	571	525	464	389	352

Blaney - Criddle 方式による基礎作物蒸発散量 EoT

$$f = (0.457 t + 8.13) P$$

ここに、t : 月平均気温 (°C)

p : 年日長時間の月百分率 (%)

f : 月消費ファクター (mm)

月	1	2	3	4	5	6	7	8	9	10	11	12
P	778	728	841	852	913	899	921	893	829	818	760	768
t	246	248	251	254	258	264	265	267	268	263	256	247
(0.457 + 8.13)	1937	1946	1960	1974	1992	2019	2024	2033	2038	2015	1983	1942
f (mm)	15070	14167	16484	16818	18187	18151	18641	18155	16895	16483	15071	14915
EoT (mm/day)	486	506	532	561	587	605	601	586	563	532	502	481

Pは水田地帯の中心緯度を北緯 19° 20' として次表より求めた。

緯度	月	1	2	3	4	5	6	7	8	9	10	11	12
緯度	20°	776	726	841	853	915	902	924	895	829	817	756	765
	(19° 20')	778	728	841	852	913	899	921	893	829	818	760	768
	18°	783	731	841	850	908	893	916	890	829	820	765	774

(Handbook of Applied Hydraulics)

Clear °C

年	1	2	3	4	5	6	7	8	9	10	11	12	平均
1960	25.9	27.1	25.5	25.1	25.3	25.1	25.1	24.9	25.1	25.1	25.1	23.9	25.3
1961	23.8	23.8	19.5	24.8	24.7	25.1	24.9	25.1	24.8	24.6	24.6	24.5	24.2
1962	24.6	24.9	25.3	25.1	24.9	24.9	24.7	24.7	24.9	24.8	24.4	24.5	24.8
1963	24.9	24.9	25.1	25.0	24.9	24.9	24.9	26.2	28.8	27.4	26.3	26.1	25.8
1964	25.9	25.7	25.3	25.3	26.2	26.4	26.7	27.1	27.4	26.8	26.9	25.7	26.3
1965	23.9	23.9	24.9	24.9	24.7	25.8	26.9	26.5	27.6	27.2	25.7	24.9	25.5
1966	24.9	24.3	25.4	25.5	25.7	26.6	26.9	27.3	27.3	26.4	24.7	24.0	25.8
1967	23.7	23.7	23.6	24.5	25.7	27.5	25.4	26.0	27.0	25.5	25.5	25.4	25.3
1968	25.5	-	25.7	25.5	25.6	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	28.2	27.9	27.9	26.6	25.1	-
1970	25.5	26.0	26.4	27.0	26.7	27.1	27.4	27.3	27.3	26.7	25.6	24.9	26.5
1971	24.4	25.2	25.3	25.8	26.6	27.7	27.6	27.3	27.7	26.7	26.1	24.7	26.3
1972	24.0	24.6	24.5	26.0	25.9	27.1	27.5	27.2	26.9	26.7	25.8	24.9	28.2
1973	24.9	24.7	25.5	25.9	26.9	27.3	27.7	27.6	27.5	27.2	25.7	24.9	26.3
1974	24.6	24.7	26.0	25.3	26.2	26.1	27.6	27.2	27.2	26.6	26.0	24.9	26.0
1975	24.2	24.5	25.2	26.1	26.2	27.3	27.8	27.4	27.0	25.2	25.7	23.6	25.8
1976	23.3	25.4	24.5	25.2	26.4	26.3	26.8	28.8	27.5	27.0	25.6	24.6	26.0
1977	24.4	25.2	25.6	25.4	26.6	26.7	26.1	25.4	25.3	24.7	25.1	24.4	25.4
1978	25.5	23.9	24.8	25.0	26.0	26.7	26.4	26.4	25.9	26.0	25.0	23.5	25.4
1979	24.0	24.0	23.7	24.5	25.1	26.4	27.0	26.2	26.1	26.4	25.4	24.8	25.3
平均	24.6	24.8	25.1	25.4	25.8	26.4	26.5	26.7	26.8	26.3	25.6	24.7	25.7

湿度及び風速

-湿度-

観測地: Barraquito %

月 年	湿度 (%)											
	1	2	3	4	5	6	7	8	9	10	11	12
1968	-	-	-	-	-	-	79	82	81	78	86	90
1969	85	81	82	84	86	88	86	84	82	82	84	80
1970	78	80	75	71	78	79	79	80	81	80	78	79
1971	77	82	82	79	79	78	82	82	83	84	82	84
1972	89	86	-	85	79	83	82	84	82	82	86	88
1973	89	84	82	-	82	80	78	86	86	86	87	89
1974	89	86	83	82	81	83	86	88	86	88	89	92
1975	89	85	84	74	79	77	89	-	98	97	97	89
1976	92	97	90	82	82	84	84	84	84	86	92	88
1977	85	81	78	84	81	82	84	88	86	89	88	88
1978	84	85	85	85	84	85	86	-	-	-	-	86
1979	84	81	78	81	85	86	85	86	85	-	88	-
平均	85.5	84.4	81.9	80.7	81.5	82.3	83.3	84.4	84.9	85.4	87.0	86.6

-風速-

m/Sec

月 年	風速 (m/Sec)											
	1	2	3	4	5	6	7	8	9	10	11	12
1974	1.4	1.3	1.3	1.4	1.4	1.3	-	1.1	0.5	0.9	0.7	0.7
1975	1.2	1.4	1.2	2.0	1.5	2.1	2.0	1.7	1.3	1.1	1.1	1.1
1976	1.2	1.4	1.9	1.9	2.1	1.6	1.4	1.3	1.2	1.2	1.2	-
1977	-	-	-	-	-	-	-	-	1.3	1.0	1.1	1.1
1978	1.3	1.4	1.7	1.7	1.4	1.2	1.6	1.4	1.1	1.0	1.0	-
1979	-	-	-	-	-	-	-	-	-	-	-	-
平均	1.3	1.5	1.8	1.8	1.6	1.6	1.7	1.4	1.1	1.0	1.0	1.0

蒸 発 量

観測点: Barraquito mm

年 \ 月	1	2	3	4	5	6	7	8	9	10	11	12
1968	-	-	-	-	-	-	5.5	5.2	4.6	3.9	3.1	2.4
1969	2.7	2.8	3.5	3.1	2.8	2.7	3.1	2.8	3.7	4.6	3.6	2.6
1970	2.8	3.4	3.8	5.6	5.0	5.0	4.4	4.6	4.0	3.8	3.1	2.5
1971	3.2	4.0	4.1	4.9	4.6	4.7	4.6	4.2	4.0	3.8	3.4	2.1
1972	2.8	3.8	-	5.2	4.7	5.0	4.5	4.7	3.9	3.8	3.0	3.0
1973	3.4	2.6	4.6	-	5.2	5.0	6.3	5.1	4.3	4.3	3.1	2.2
1974	3.3	3.8	4.5	5.4	4.7	4.7	4.0	4.0	3.7	2.9	2.0	2.2
1975	2.8	4.6	5.6	7.1	6.3	6.9	6.4	4.7	3.9	4.5	3.6	2.3
1976	3.0	3.8	5.0	4.9	5.8	5.1	5.3	4.9	4.2	4.2	3.3	2.9
1977	3.1	4.3	5.5	5.6	5.4	6.4	5.8	5.2	4.2	3.8	3.0	2.5
1978	3.2	3.8	4.5	4.7	5.2	5.2	4.9	4.8	5.1	3.8	2.8	2.8
1979	3.0	3.8	4.1	4.5	4.7	-	4.9	4.7	3.3	-	3.1	-
平均	3.0	3.7	4.5	5.1	4.9	5.1	5.0	4.6	4.1	3.9	3.1	2.5

雲 量

観測地：Barraquito 量

年 \ 月	1	2	3	4	5	6	7	8	9	10	11	12
1968	-	-	-	-	-	-	5	6	6	6	6	6
1969	6	4	4	5	7	5	6	6	4	4	4	4
1970	3	3	4	4	4	4	3	3	3	3	3	3
1971	4	3	4	3	3	4	3	3	3	4	4	4
1972	4	4	-	4	5	4	4	4	4	4	4	4
1973	5	3	4	-	4	4	4	4	4	4	4	4
1974	3	4	4	-	4	3	4	4	4	4	5	4
1975	4	2	2	1	2	2	2	2	3	3	3	4
1976	2	3	3	3	3	4	4	3	3	4	4	4
1977	4	3	4	4	4	4	4	4	4	4	4	4
1978	4	4	4	4	4	4	4	4	4	4	4	3
1979	3	2	3	3	4	4	3	4	4	-	4	-
平均	3.8	3.2	3.6	3.4	4.0	3.8	3.8	3.9	3.8	4.0	4.1	4.0
$\frac{\text{雲量}}{\%}$	0.48	0.40	0.45	0.43	0.50	0.48	0.48	0.49	0.48	0.50	0.51	0.50

付風資料 2.3.14

有効雨量 1970 MAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	1.60	2.20	0.	53.20*	20.20	32.00	0.	0.	1.00	0.	13.60
2	0.	6.20	0.	0.	4.60	8.80	2.00	0.	0.	0.	0.	30.40
3	0.	0.	0.	0.	43.00	5.20	4.80	0.	1.60	12.20	0.	21.00
4	0.	40.40	0.	0.	19.40	3.60	0.	0.	0.	12.80	14.80*	4.60
5	0.	7.80	0.	0.	15.60	0.	0.	31.60	0.	39.20	57.40*	0.
6	0.	0.	0.	0.	5.80	7.40	0.	0.	5.40	43.60	63.60*	0.
7	0.	3.20	0.	0.	1.00	0.	1.10	0.	0.	61.60*	56.40*	1.60
8	0.	28.60	0.	0.	39.40	0.	0.	0.	0.	1.40	32.00	0.
9	39.00	2.00	0.	0.	28.00	0.	12.60	1.40	2.20	0.	7.60	5.40
10	11.00	3.20	0.	0.	0.	0.	0.	0.	6.20	0.	0.	0.
11	1.00	20.20	0.	0.	3.00	2.20	0.	0.	30.80	0.	0.	39.20
12	0.	0.	0.	0.	0.	0.	0.	1.00	0.	7.60	0.	35.60
13	5.40	0.	0.	0.	0.	0.	0.	0.	20.80	3.80	0.	19.40
14	0.	2.20	0.	0.	0.	2.20	0.	21.80	0.	0.	0.	0.
15	5.20	2.00	0.	0.	0.	2.40	0.	5.60	37.20	0.	0.	2.40
P.E.	61.6	117.4	2.2	0.0	209.8	52.0	52.5	61.4	104.2	171.6	204.4	173.2
16	0.	0.	0.	0.	0.	1.20	0.	35.00	2.60	0.	0.	0.
17	0.	0.	0.	0.	0.	1.20	15.20	13.00	1.20	8.20	0.	0.
18	0.	0.	0.	0.	0.	12.20	0.	0.	0.	68.20*	0.	0.
19	0.	0.	0.	0.	0.	0.	3.40	0.	3.80	11.40	0.	7.40
20	0.	8.40	0.	0.	0.	3.60	6.40	0.	0.	45.00	7.00	1.40
21	0.	15.20	0.	3.20	0.	2.10	4.20	0.	7.20	0.	2.20	9.60
22	3.00	9.40	0.	0.	0.	13.20	26.20	13.60	0.	23.80	0.	9.60
23	0.	1.40	0.	1.00	0.	0.	0.	7.40	34.20	0.	4.00	31.00
24	5.80	0.	0.	0.	0.	0.	4.20	0.	10.80	0.	1.60	13.20
25	2.00	0.	0.	0.	0.	0.	1.00	12.00	2.00	0.	66.60*	0.
26	9.80	0.	0.	0.	0.	0.	5.20	10.00	2.40	0.	0.	0.
27	1.00	13.00	0.	0.	0.	9.40	6.20	36.00	0.	0.	0.	0.
28	0.	0.	2.60	0.	37.60	0.	1.20	47.40	0.	0.	1.40	0.
29	3.40	0.	0.	0.	0.	0.	0.	1.00	0.	0.	0.	14.80
30	0.	0.	0.	0.	18.20	10.60	0.	14.00	3.20	0.	25.80	0.
31	0.	0.	0.	4.2	7.00	0.	0.	8.60	0.	0.	0.	0.
P.E.	32.0	47.4	2.6	4.2	64.0	55.5	73.2	198.0	67.2	138.4	92.0	87.0
TOTAL	93.60	164.80	4.80	4.20	277.00	117.50	125.70	259.40	171.40	339.80	340.40	260.20

有幼雨量 1971 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	11.60	0.	0.	0.	0.	0.	0.	0.	0.	13.20	6.40
2	21.80	1.80	0.	0.	0.	2.20	1.40	0.	0.	0.	1.60	12.80
3	0.	6.80	1.20	0.	0.	0.	0.	0.	0.	9.80	1.40	0.
4	0.	3.20	0.	0.	0.	0.	0.	3.40	0.	0.	0.	0.
5	7.80	0.	0.	0.	4.20	0.	0.	1.20	0.	18.40	4.20	0.
6	0.	0.	0.	0.	6.00	3.00	13.20	5.80	0.	0.	0.	3.80
7	1.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.60
8	0.	0.	0.	0.	3.60	0.	29.80	0.	0.	11.80	18.00	0.
9	0.	0.	0.	0.	1.00	25.20	2.60	0.	0.	5.60	46.20	0.
10	3.40	0.	3.00	0.	3.60	0.	10.60	0.	0.	0.	0.	0.
11	7.80	4.20	0.	45.40	0.	0.	0.	0.	0.	0.	5.40	0.
12	1.60	0.	0.	43.20	0.	0.	1.20	0.	0.	0.	48.90	2.40
13	27.40	0.	0.	8.20	0.	0.	0.	0.	0.	1.80	0.	5.20
14	7.00	0.	0.	28.80	0.	0.	0.	0.	4.60	0.	7.00	35.00
15	0.	0.	0.	45.20	0.	0.	0.	13.00	4.20	27.00	1.60	5.60
P.E.	80.4	27.6	4.2	170.8	18.4	30.4	58.8	23.4	3.8	74.4	147.5	81.8
16	0.	0.	0.	6.20	0.	0.	4.60	5.20	2.60	0.	2.40	6.00
17	0.	0.	0.	1.60	0.	2.20	8.60	3.00	8.60	5.80	3.80	9.60
18	0.	9.40	0.	0.	0.	0.	0.	0.	6.20	0.	0.	69.40*
19	0.	6.80	6.00	12.40	0.	0.	0.	10.20	0.	0.	3.20	11.40
20	0.	0.	0.10	0.	3.60	0.	10.20	12.20	0.	9.80	0.	6.60
21	0.	0.	2.00	0.	7.20	0.	1.80	0.	1.60	7.00	0.	16.00
22	15.80	0.	0.	0.	7.00	0.	2.40	0.	4.20	0.	0.	44.20
23	5.80	0.	0.	0.	7.60	0.	0.	8.60	12.80	0.	5.20	12.40
24	0.	0.	0.	0.	12.00	0.	0.	1.00	8.20	5.20	7.40	7.00
25	0.	0.	0.	0.	0.	1.20	0.	10.50	0.	0.	0.	10.20
26	0.	1.80	0.	0.	27.40	0.	26.00	1.00	0.	6.20	6.00	1.40
27	21.20	0.	0.	0.	0.	0.	1.00	0.	0.	5.80	35.80	0.
28	4.80	0.	0.	0.	0.	0.	0.	0.	0.	3.40	0.	0.
29	56.40*	0.	0.	0.	0.	8.20	0.	0.	0.	1.80	0.	18.00
30	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.60	0.	3.20
31	0.	18.0	6.80	0.	0.	0.	0.	0.	46.2	0.	0.	20.20
P.T.	97.6	14.9	14.9	20.7	64.8	11.6	54.6	51.7	46.2	46.6	63.8	216.2
TOTAL	184.40	45.00	12.10	151.10	87.20	47.00	114.20	75.10	53.00	121.00	211.30	317.40

有效雨量 1972 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	1.00	0.	0.	0.	14.20	0.	1.60	0.	11.20	19.00	13.20	2.20
2	0.	0.	0.	0.	2.80	7.00	2.20	1.20	5.80	54.20*	36.10	3.20
3	3.00	0.	2.20	0.	0.	0.	0.	3.40	12.20	0.	0.	1.60
4	12.80	0.	0.	0.	0.	0.	3.40	0.	3.20	0.	6.80	4.80
5	0.	0.	0.	0.	2.40	10.60	0.	0.	0.	0.	1.10	7.20
6	0.	0.	3.60	0.	0.	0.	0.	0.	0.	0.	17.10	4.80
7	0.	0.	1.40	12.80	0.	0.	3.00	24.20	0.	0.	10.10	8.60
8	1.00	0.	0.	1.20	1.00	0.	0.	16.40	0.	0.	0.	28.00
9	1.20	0.	0.	23.80	0.	2.40	0.	2.00	0.	0.	0.	33.80
10	0.	0.	0.	0.	0.	1.20	2.40	18.20	0.	0.	13.40	1.80
11	2.60	0.	48.40	0.	0.	0.	0.	0.	2.80	2.80	4.00	1.20
12	2.60	0.	0.	18.20	0.	0.	0.	0.	1.80	1.00	0.	0.
13	5.80	0.	3.00	7.60	0.	8.20	0.	35.80	21.40	0.	7.00	37.80
14	2.40	0.	3.20	0.	0.	7.60	4.20	0.	0.	0.	0.	3.80
15	1.00	0.	0.	0.	0.	4.20	0.	0.	11.60	2.20	0.	0.
P.E.	33.4	0.0	61.8	63.6	20.4	41.2	16.8	101.2	70.0	75.0	108.8	138.8
16	0.	0.	0.	0.	9.60	104.80*	8.00	5.20	7.80	13.40	3.00	0.
17	14.40	0.	0.	0.	6.80	2.60	0.	0.	2.80	0.	7.20	4.00
18	0.	0.	0.	0.	6.80	0.	0.	1.00	13.40	0.	0.	22.80
19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.00
20	0.	0.	0.	0.	0.	0.	0.	0.	22.20	11.20	0.	0.
21	0.	12.00	5.80	0.	22.40	0.	1.40	2.40	0.	15.60	0.	0.
22	0.	3.60	4.40	0.	0.	0.	7.00	1.80	0.	8.60	0.	0.
23	1.60	17.60	5.60	2.20	0.	0.	0.	2.00	1.20	15.20	5.20	0.
24	0.	17.10	0.	0.	0.	4.40	0.	8.60	2.60	0.	0.	0.
25	0.	3.60	0.	0.	18.60	0.	0.	0.	11.20	0.	38.40	0.
26	0.	0.	0.	5.60	0.	0.	0.	2.00	0.	0.	0.	0.
27	2.20	29.40	0.	3.40	0.	0.	0.	3.60	0.	2.20	5.60	0.
28	17.80	0.	0.	43.40	0.	0.	2.00	2.00	4.00	0.	10.20	0.
29	6.40	3.60	0.	0.	0.	0.	39.20	0.10	0.	12.00	9.60	0.
30	0.	0.	47.00	0.	0.	0.	0.	0.	0.	52.60*	0.	33.40
31	1.20	0.	0.	0.	0.	0.	0.	0.	0.	11.20	0.	3.60
P.E.	43.6	101.5	62.8	54.6	73.2	57.0	57.6	28.7	65.2	139.4	79.2	70.8
TOTAL	77.00	101.50	124.60	118.20	93.60	153.00	74.40	129.90	135.20	221.20	188.00	209.60

有幼雨 1973 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	2.60	2.80	0.	0.	0.	10.60	0.	0.	19.00	6.00	0.	9.20
2	3.00	0.	24.20	0.	0.	0.	0.	0.	0.	11.00	5.40	37.00
3	0.	2.20	3.60	0.	0.	8.40	0.	3.60	13.80	0.	15.40	1.80
4	0.	24.60	0.	0.	0.	4.20	0.	0.60	12.00	12.00	13.40	14.80
5	0.	0.	3.00	0.	3.40	2.00	0.	0.	0.	0.	0.	3.60
6	0.	13.60	0.	0.	0.	0.	0.	1.20	1.60	0.	2.20	42.20
7	0.	0.	88.40*	0.	0.	5.60	0.	2.60	0.	0.	0.	11.20
8	0.	0.	0.	0.	0.	1.60	0.	0.	0.	0.	7.20	0.
9	0.	0.	0.	0.	0.	0.	0.	7.20	0.	0.	0.	0.
10	0.	0.	5.20	0.	0.	0.	0.	1.80	0.	116.00	7.40	0.
11	0.	10.00	1.20	0.	0.	0.	2.00	3.40	0.	0.	12.20	4.80
12	0.	0.	10.20	0.	0.	19.40	0.	0.	31.80	0.	176.00*	22.00
13	6.00	0.	1.20	0.	8.60	0.	13.00	0.	0.	0.	16.80	0.
14	1.20	44.00	0.	0.	0.	0.	2.00	2.20	0.	6.40	4.20	2.00
15	3.00	28.60	5.20	3.80	0.	0.	0.	9.20	1.00	129.40*	4.80	0.
P.E.	15.8	125.8	103.8	3.8	12.0	51.8	17.0	31.8	70.2	135.8	139.0	148.6
16	25.60	0.	2.20	0.	0.	0.	9.60	3.40	0.	30.60	0.	0.
17	3.20	72.00*	0.	39.20	0.	0.	9.60	2.40	0.	0.	0.	0.
18	3.40	15.20	0.	4.60	0.	16.80	3.80	0.	0.	0.	2.20	17.80
19	2.60	2.00	0.	0.	0.	25.00	0.	0.	0.	1.40	3.00	10.60
20	0.	0.	0.	2.60	1.60	0.	9.60	0.	0.	0.	4.80	0.
21	1.30	0.	0.	3.40	0.	0.	0.	1.80	0.	17.40	7.80	0.
22	2.30	0.	0.	0.	0.	3.20	0.	1.00	6.20	0.	20.00	2.60
23	0.	0.	2.20	11.20	0.	0.	17.80	1.80	6.00	0.	1.80	17.60
24	0.	0.	27.60	0.	0.	39.40	0.	6.80	0.	0.	11.20	41.80
25	0.	3.00	0.	0.	0.	0.	0.	0.	1.40	0.	0.	2.20
26	0.	0.	0.	0.	0.	5.80	3.80	10.40	22.20	0.	8.40	8.60
27	16.00	0.	0.	0.	0.	0.	0.	4.00	0.	2.60	1.00	2.60
28	0.	0.	0.	0.	0.	1.00	0.	0.	36.80	0.	1.00	3.00
29	8.20	0.	0.	0.	0.	6.60	0.	0.	10.60	0.	4.60	1.60
30	0.	0.	0.	28.20	0.	0.	0.	0.	6.00	0.	14.20	7.20
31	0.	70.2	32.0	89.2	1.6	58.4	93.6	33.8	89.2	52.0	80.0	8.80
P.T.	61.6	218.00	136.20	21.00	13.60	110.20	110.60	65.60	168.20	332.80	345.00	124.4
TOTAL	78.40	218.00	136.20	21.00	13.60	110.20	110.60	65.60	168.20	332.80	345.00	273.00

有效雨量 1974 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	12.40	0.	23.50	0.	1.00	0.	0.	7.60	0.	0.	0.	0.
2	3.40	0.	114.20*	0.	4.40	0.	0.	0.	0.	0.	0.	7.00
3	3.00	0.	30.40	0.	2.00	2.20	0.	0.	0.	0.	0.	63.40*
4	0.	0.	0.	7.60	1.00	3.00	0.	0.	0.	0.	12.00	110.20*
5	5.80	0.	23.20	4.80	0.	0.	0.	17.00	0.	24.60	0.	82.00*
6	0.	0.	10.60	0.	2.00	0.	1.40	1.40	1.40	0.	11.00	3.00
7	0.	1.80	0.	0.	1.60	19.00	0.	0.	0.	0.	3.60	0.
8	2.20	0.	0.	0.	0.	0.	4.60	0.	0.	0.	53.60*	3.40
9	1.00	0.	1.20	0.	3.60	0.	0.	1.00	1.00	0.	0.	13.00
10	1.00	0.	0.	0.	0.	0.	8.80	24.20	0.	0.	7.20	8.20
					31.20							
11	1.40	4.20	0.	1.40	4.80	0.	0.	0.	3.60	0.	2.00	30.60
12	1.60	82.20*	0.	0.	0.	0.	1.40	0.	0.	0.	0.	8.80
13	28.40	3.00	0.	0.	0.	0.	0.	1.60	1.60	0.	0.	0.
14	13.20	0.	0.	0.	0.	0.	12.10	58.20*	0.	19.60	4.20	0.
15	12.60	0.	0.	0.	6.60	1.80	0.	0.	0.	3.00	14.40	1.00
16	86.0	59.0	139.0	13.8	38.8	21.2	24.2	52.9	86.8	47.2	104.4	224.5
17	2.00	0.	0.	2.40	0.	0.	0.	0.	0.	2.00	4.20	0.
18	22.10	6.60	0.	1.00	9.20	3.80	3.40	0.	0.	50.80*	1.80	0.
19	9.20	0.	0.	0.	0.	0.	1.80	0.	0.	9.60	4.80	0.
20	9.00	0.	0.	0.	15.20	0.	0.	0.	8.80	0.	0.	2.20
	0.	1.20	1.00	0.	28.80	6.	0.	0.	8.60	0.	7.20	10.00
21	19.80	1.00	0.	12.80	0.	0.	0.	0.	1.00	28.60	10.20	0.
22	2.60	0.	0.	1.00	0.	0.	0.	0.	0.	9.60	1.60	0.
23	50.20*	0.	0.	8.80	0.	0.	0.	0.	0.	0.	1.80	0.
24	3.20	0.	2.00	4.40	0.	0.	0.	0.	0.	10.20	22.80	4.60
25	3.80	3.40	2.20	17.60	0.	0.	0.	0.	0.	68.40*	0.	0.
26	0.	0.	2.40	41.80	0.	0.	0.	0.	5.60	36.60	0.	0.
27	0.	19.20	0.	49.60	0.	0.	0.	10.40	10.00	2.80	0.	0.
28	7.20	19.00	0.	0.	2.80	7.00	0.	0.	0.	14.00	4.30	0.
29	6.80	0.	0.	0.	0.	3.60	0.	2.80	0.	12.00	1.00	8.20
30	4.40	0.	0.	0.	0.	0.	0.	43.60	0.	11.00	0.	12.00
31	5.00	41.4	9.6	139.4	14.60	0.	0.	12.60	34.0	0.	59.7	4.20
P.E.	145.1	67.8	7.6	153.20	67.8	6.6	15.8	69.4	124.00	236.4	167.70	41.7
TOTAL	231.30	132.60	210.80	153.20	106.60	27.80	40.00	122.30	124.00	302.80	371.80	371.80

有效雨量: 1975 MAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	0.	1.80	0.	0.	0.	0.	0.	0.	2.60	12.40	19.60
2	0.	0.	0.	0.	0.	0.	0.	0.	13.00	5.80	19.80	9.60
3	1.20	0.	0.	0.	0.	0.	0.	0.	0.	19.20	12.80	2.80
4	0.	0.	6.20	0.	0.	0.	0.	1.00	7.00	6.60	38.20	0.
5	2.00	0.	0.	0.	0.	0.	0.	13.20	19.20	1.40	26.40	27.80
6	25.00	0.	0.	0.	20.20	0.	0.	30.60	0.	24.00	6.80	8.60
7	0.	0.	0.	0.	5.80	0.	0.	3.00	5.60	49.00	0.	45.60
8	0.	0.	0.	0.	12.00	0.	0.	4.80	4.80	11.20	0.	23.00
9	2.20	0.	0.	0.	0.	0.	0.	23.60	0.	4.80	3.80	3.60
10	0.	1.20	0.	0.	0.	0.	0.	19.40	4.40	1.80	0.	2.00
11	2.40	20.00	0.	0.	0.	0.	0.	3.80	0.	1.00	0.	3.60
12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	31.60	0.
13	2.20	0.	2.60	0.	0.	0.	0.	9.80	0.	20.60	0.	12.20
14	1.80	0.	0.	0.	10.80	0.	0.	15.80	3.40	3.60	0.	1.80
15	0.	0.	0.	0.	0.	19.20	7.20	0.	7.60	14.80	45.00	4.20
P.E.	36.80	21.20	10.60	0.0	48.8	19.20	7.20	120.20	65.0	166.40	196.80	164.40
16	0.	5.80	0.	0.	0.	0.	2.80	0.	42.40	38.20	0.	0.
17	0.	0.	0.	0.	1.20	0.	0.	26.80	11.40	2.60	58.80*	7.40
18	2.40	0.	0.	2.00	24.60	0.	0.	0.	4.60	0.	22.20	10.60
19	0.	0.	0.	0.	1.00	0.	6.20	2.00	9.20	0.	13.60	9.00
20	0.	0.	0.	0.	0.	2.00	0.80	6.20	6.00	12.00	0.	0.
21	5.20	0.	0.	3.40	21.60	0.	8.80	2.20	19.20	0.	38.60	0.
22	0.	5.40	0.	0.	1.40	0.	15.40	0.	9.00	3.60	6.40	0.
23	0.	1.80	0.	1.40	0.	0.	0.	0.	0.	1.60	13.60	4.20
24	8.80	0.	0.	0.	8.60	0.	0.	0.	0.	2.60	1.80	8.00
25	0.	0.	13.40	0.	0.	0.	7.40	0.	0.	0.	4.40	0.
26	0.	0.	0.	5.20	0.	0.	0.	0.	9.80	2.60	11.80	4.00
27	1.80	0.	0.	0.	0.	0.	0.	0.	0.	1.40	1.80	0.
28	5.80	0.	0.	0.	0.	11.80	0.	0.	1.60	9.40	13.60	0.
29	0.	0.	6.00	0.	0.	0.	2.80	0.	0.	9.00	22.00	0.
30	5.60	0.	0.	0.	0.	0.	4.80	0.	0.	0.	13.00	3.60
P.L.	29.60	13.0	19.4	12.0	77.6	13.8	49.0	37.2	113.2	83.0	212.8	46.8
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

 有效雨量: 1976 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	2.00	0.	0.	0.	0.	0.	15.60	0.	0.	0.	10.40
2	0.	0.	14.20	0.	0.	0.	2.40	12.20	0.	4.00	15.60	0.
3	0.	0.	14.60	0.	1.60	0.	3.60	21.60	0.	9.40	0.	26.20
4	0.	10.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	0.	12.60	0.	0.	0.	4.80	15.20	0.	0.	0.	3.40	0.
6	0.	0.	9.40	0.	0.	0.	0.	0.	0.	3.60	1.40	0.
7	3.60	4.20	0.	0.	0.	0.	0.	0.	13.20	20.40	0.	0.
8	0.	0.	0.	0.	22.80	3.60	1.80	0.	12.00	43.00	0.	3.40
9	0.	1.00	0.	0.	9.60	6.60	0.	0.	0.	7.20	24.20	6.60
10	25.00	3.80	0.	12.80	0.	0.	0.	3.80	0.	3.00	0.	6.00
11	8.20	4.40	0.	16.00	0.	0.	0.	1.00	15.60	47.20	0.	1.60
12	0.	4.60	0.	1.20	0.	0.	0.	11.40	0.	0.	0.20	0.
13	1.00	0.	1.80	13.00	0.	0.	0.	0.	0.	1.20	0.20	0.
14	0.	5.40	1.40	4.00	0.	9.60	0.	0.	0.	2.00	0.60	1.60
15	5.60	7.00	2.00	0.	0.	40.80	0.	0.	18.00	0.20	0.	0.
P.E.	43.4	57.4	43.4	47.0	34.0	65.2	23.0	65.6	58.8	141.4	45.4	55.8
16	2.20	0.	1.00	3.40	0.	1.00	0.	0.	0.	1.80	5.00	0.
17	0.	0.	0.	0.	0.	0.	0.	0.	4.40	0.	3.40	0.
18	9.80	18.20	0.	0.	5.00	0.	24.40	0.	0.	0.	0.	0.
19	0.	13.20	0.	3.80	0.	0.	3.20	2.20	0.	0.	0.	3.20
20	3.80	3.60	0.	0.	0.	0.	1.40	0.	0.	0.	0.	0.
21	2.60	1.60	0.	18.80	3.00	0.	1.40	0.	0.	0.10	0.	0.
22	0.	0.	1.40	0.	1.00	0.	0.	0.	0.	0.	0.	0.
23	0.	1.40	0.	0.	0.	1.00	0.	0.	0.	9.20	0.	0.
24	15.20	9.60	0.	17.20	0.	0.	0.	0.	0.	23.20	1.20	0.
25	7.60	17.20	0.	0.	0.	0.	4.40	0.	0.	0.	21.60	0.
26	0.	23.00	0.	0.	0.	1.00	17.20	0.	0.	0.	2.00	0.
27	2.40	0.	0.	0.	0.	2.40	0.	0.	2.20	0.	0.60	9.20
28	0.	0.	0.	0.	18.40	5.00	0.	14.00	0.	1.60	7.80	0.
29	0.	0.	4.20	0.	1.00	3.80	0.	0.	16.40	27.80	0.	0.
30	0.	0.	0.	0.	1.00	0.	0.	0.	0.	3.20	1.60	1.00
31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
P.E.	50.6	86.2	6.6	43.2	29.4	14.4	52.0	16.2	23.0	66.7	43.2	13.4
TOTAL	94.00	143.60	50.00	90.20	63.40	79.60	75.00	81.80	81.80	203.10	88.60	69.20

有效雨量 1977 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	0.	0.	0.	0.	0.	7.40	0.	2.60	0.	80.80*	1.00
2	7.60	0.40	0.	11.00	4.80	1.20	0.	5.80	4.20	0.	0.	4.60
3	0.60	0.	0.	0.	0.	5.00	3.80	3.00	0.	0.	0.	0.
4	0.	0.	0.	0.	0.	1.40	0.	7.20	0.	4.40	0.	0.
5	0.	0.	2.00	0.	0.	0.	0.	19.80	0.	39.60	0.	0.
6	1.40	0.60	0.	2.00	0.	3.60	0.	5.80	0.	0.	1.60	0.
7	0.	9.60	0.	1.40	0.	0.	1.40	0.	4.20	3.40	0.	0.
8	0.	14.00	0.	5.60	0.	0.	0.	0.	0.	0.	0.	2.00
9	0.	0.	0.	0.	0.	0.	0.	13.40	0.	0.	0.	0.
10	0.	0.	0.	0.	0.	0.	1.20	0.	0.	36.40	0.	6.20
11	3.60	0.	0.	3.00	0.	0.	0.	11.80	0.	1.40	0.	13.00
12	0.	0.	0.	0.	0.	0.	1.00	1.00	0.	7.00	4.20	5.40
13	12.00	0.	0.	0.	0.	0.	3.20	0.	0.	0.	3.60	6.20
14	1.00	0.	0.	7.80	0.	0.	2.20	4.20	1.80	0.	0.	1.40
15	0.	0.	0.	0.	9.60	0.20	28.60	0.	9.00	0.	1.00	0.
P.E.	26.2	24.6	2.0	30.8	14.6	11.4	48.8	72.0	21.8	91.6	60.4	39.8
16	0.	0.	0.	174.80*	0.	0.	0.	0.	0.	0.	12.00	0.
17	0.	1.40	5.80	17.60	38.40	0.	11.60	0.	7.20	1.80	0.	0.
18	0.	21.40	0.	49.20	25.60	0.	0.	13.20	0.	0.	0.	0.
19	0.	1.80	0.	4.20	0.	0.	0.	0.	2.00	0.	0.	0.
20	0.	0.	0.	5.60	0.	0.	0.	1.60	0.	3.40	10.40	5.20
21	13.80	0.	0.	14.00	9.40	0.	0.	0.	5.20	1.00	98.20*	0.
22	10.40	0.	0.	14.00	68.20*	0.	0.	17.80	0.	0.	43.40	0.
23	7.40	0.	0.	26.60	5.60	0.	0.	0.	0.	0.	25.40	0.
24	7.20	0.	1.00	0.	11.00	2.20	1.20	14.40	0.	0.	3.80	20.20
25	0.	0.	0.	0.	0.80	0.	0.	2.40	0.	0.	1.00	0.
26	0.	0.	7.60	0.	6.80	1.20	13.60	0.	0.	0.	0.	0.
27	0.	0.	0.	0.	10.00	16.40	13.60	0.	0.	0.	13.00	0.
28	0.	0.	0.	0.	1.00	0.	0.	1.40	0.	2.60	13.80	24.60
29	0.	0.	0.	0.	0.	0.	1.60	0.	0.	3.00	11.20	15.40
30	0.	0.	0.	2.80	0.	4.20	0.	2.80	0.	0.	0.	48.40
31	0.	0.	0.	0.	0.	0.	0.	7.40	0.	0.	0.	3.00
P.T.	18.8	24.6	14.4	184.0	158.6	24.0	41.6	61.0	14.4	12.4	184.0	116.8
TOTAL	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0

 有效雨量 1978 NAGUIA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	0.	0.	5.20	0.	0.	0.	1.40	0.	0.	0.	9.00
2	1.00	0.	8.60	6.20	0.	23.40	0.	0.	0.	0.	1.80	29.80
3	0.	3.60	0.	1.00	0.	0.	0.	0.	0.	0.	0.	4.40
4	0.	15.40	0.	8.40	0.	0.	0.	4.20	0.	0.	0.	1.40
5	2.60	0.	0.	0.	0.	0.	14.00	0.	0.	0.	1.00	0.
6	0.	8.00	2.00	1.20	0.10	0.	0.	8.20	1.20	0.	0.	0.
7	0.	0.	0.	0.	0.	0.	6.40	7.20	0.	0.	11.00	0.
8	0.	0.	10.60	0.	0.	3.60	0.	0.	1.80	3.40	0.	0.
9	0.	0.	0.	0.	0.	0.	4.00	0.	4.00	0.	6.00	0.
10	0.	37.20	0.	1.20	4.60	0.	7.40	1.00	1.00	0.	14.00	0.
11	0.	0.	0.	0.	0.	1.20	0.	0.	0.	0.	8.00	0.
12	0.	0.	9.40	4.20	97.20*	1.00	0.	0.	1.00	6.20	0.	0.
13	0.	0.	0.	6.00	0.	0.	2.60	0.	0.	17.20	7.20	0.
14	0.	0.	0.	0.	0.	0.	3.20	7.20	39.40	2.40	0.	0.
15	5.20	0.	3.20	2.60	0.	0.	11.40	0.	0.	0.	1.00	0.
P.E.	8.8	64.2	33.8	36.0	54.7	29.2	49.0	29.2	48.4	29.2	50.0	44.6
16	3.80	0.	0.	37.40	14.40	0.	0.	15.40	0.	7.20	0.	0.
17	0.	0.	0.	1.60	0.	2.60	0.	10.20	0.	0.	1.20	1.40
18	0.	0.	0.	0.	1.00	6.00	5.40	0.	15.00	0.	12.40	62.20*
19	0.	0.	13.20	0.	17.00	8.40	5.20	0.	0.	0.	2.00	21.40
20	0.	0.	9.20	0.	3.60	0.	5.60	0.	0.	0.	30.20	0.
21	0.	0.	0.	0.	3.60	8.20	2.40	1.00	41.20	8.00	9.20	0.
22	0.	2.00	0.	54.20*	0.	0.	0.	0.	27.60	1.00	4.20	0.
23	4.20	0.	10.40	0.	0.	0.	0.	0.	6.20	4.20	11.00	0.
24	0.	4.60	0.	1.00	0.	0.	0.	0.	0.	48.00	23.20	0.
25	0.	0.	1.80	10.20	37.20	0.	0.	8.00	0.	2.40	0.	0.
26	6.40	0.	6.20	1.00	14.00	1.00	0.	0.	2.60	2.00	3.40	0.
27	0.	6.20	1.40	0.	11.20	5.00	0.	2.40	17.40	1.00	1.60	0.
28	0.	7.00	0.	12.20	1.00	10.20	0.	0.	7.20	0.	6.40	0.
29	28.00	0.	0.	20.20	1.20	0.	0.	0.	0.	0.	1.40	0.
30	15.20	0.	25.40	10.40	4.20	13.40	0.	0.	0.	1.00	5.40	0.
31	0.	0.	17.20	0.	0.	0.	0.	0.	0.	6.40	0.	28.40
P.E.	60.6	19.8	84.8	148.2	108.4	54.8	18.6	37.0	117.2	87.2	111.6	101.2
TOTAL	66.40	84.00	118.60	184.20	210.30	84.00	67.60	66.20	165.60	110.40	161.60	158.00

有效雨量 1979 NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	2.40	0.	0.	1.20	22.20	5.00	45.20	1.00	4.00	1.40	0.
2	1.60	0.	4.00	0.	0.	9.40	3.20	1.00	0.	4.00	7.00	15.20
3	0.	0.	8.00	0.	4.00	1.00	0.	0.	0.	11.20	4.40	0.
4	0.	0.	0.	0.	0.	16.20	0.	6.40	5.00	11.40	5.00	2.60
5	5.20	0.	1.00	0.	0.	6.40	4.60	3.00	15.20	0.	40.20	9.80
6	7.20	0.	0.	0.	0.	0.	0.	8.00	46.20	0.	27.50	0.
7	2.00	0.	0.	0.	0.	18.00	0.	1.00	7.00	0.	50.30 *	3.00
8	0.	0.	0.	0.	0.	3.20	8.20	0.	0.	0.	52.20 *	5.20
9	1.00	0.	0.	0.	5.40	1.40	0.	0.	0.	0.	53.50 *	0.
10	0.	0.	0.	0.	4.60	23.00	0.	0.	4.00	0.	70.60 *	1.00
11	6.40	7.20	0.	1.00	21.20	0.	0.	0.	3.00	0.	2.00	3.80
12	12.40	9.40	15.20	3.40	8.00	2.00	0.	1.20	0.	1.20	4.50	0.
13	3.40	85.80 *	5.40	0.	32.20	0.	0.	3.00	7.20	0.	0.	17.00
14	1.00	11.00	3.60	1.00	0.	0.	0.	3.80	6.20	0.	0.	0.
15	0.	0.	5.60	0.	3.20	0.	21.0	0.	0.	0.	0.	57.6
P.E.	40.2	80.0	42.8	5.4	79.8	102.8	72.6	94.8	31.8	0.	292.0	0.
16	0.	1.20	2.00	0.	9.40	0.	1.40	0.	0.	0.	0.	0.
17	8.20	0.	10.20	12.30	47.40	1.00	15.20	0.	0.	0.	21.50	0.
18	2.00	0.	7.00	3.20	35.40	0.	41.20	4.20	1.00	1.00	46.50	11.00
19	0.	0.	5.20	23.20	15.40	0.	18.40	0.	0.	0.	1.30	12.40
20	0.	2.40	0.	85.40 *	3.40	0.	4.00	0.	0.	0.	0.	0.
21	0.	2.00	0.	48.20	0.	0.	7.20	0.	12.20	12.40	28.50	9.00
22	0.	2.00	0.	0.	0.	2.40	14.20	7.20	10.20	29.00	5.20	1.30
23	0.	8.40	0.	0.	0.	1.00	1.00	5.20	0.	23.40	1.00	20.00
24	0.	0.	0.	2.00	0.	4.00	3.00	1.20	0.	0.	12.30	0.
25	0.	0.	0.	39.60	2.40	0.	0.	2.00	1.00	0.	0.	0.
26	0.	0.	2.00	0.	0.	32.40	0.	0.	0.	11.00	3.60	0.
27	0.	0.	33.00	3.00	7.20	2.00	0.	1.00	0.	7.00	9.40	0.
28	0.	1.00	0.	0.	0.	3.80	0.	0.	0.	0.	7.60	0.
29	0.	0.	0.	24.20	69.80 *	10.20	0.	0.	0.	25.00	0.	0.
30	0.	0.	0.	3.20	1.40	0.	1.20	15.20	5.20	9.40	0.	0.
31	0.	17.0	59.4	208.9	37.20	56.8	14.20	23.40	29.6	118.2	136.9	53.7
TOTAL	10.2	152.80	102.20	249.70	508.40	159.60	142.00	132.00	126.40	150.00	455.50	111.30

付属資料 2 3.15

ナグア川流域平均降雨量 1970 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	2.28	1.18	6.96	0.	35.17	31.40	19.69	0.	14.14	11.58	11.91	11.76
2	0.	6.42	0.43	0.	9.28	37.67	5.09	0.	3.98	8.27	7.22	28.21
3	2.14	0.	0.51	0.	34.31	15.30	8.30	0.	0.78	19.26	0.74	19.08
4	0.	31.78	2.28	0.	14.90	21.75	11.98	0.	0.	20.02	7.22	4.69
5	0.	6.12	1.00	0.	13.84	5.72	2.81	24.55	0.	31.66	40.99	0.
6	0.	0.43	0.51	0.	8.38	5.47	0.	1.37	2.64	31.54	53.53	0.
7	0.	1.85	0.	0.	4.33	22.87	1.17	0.	4.18	37.80	32.79	12.87
8	0.73	19.59	1.97	2.36	26.96	0.	5.63	0.	0.	16.94	21.39	1.68
9	26.88	2.36	0.	2.90	45.79	0.	18.24	3.50	12.71	0.74	14.43	4.95
10	28.60	14.42	0.	0.	11.45	4.14	1.31	0.	11.11	1.00	2.39	8.66
11	3.34	20.91	14.24	0.	14.78	7.07	1.85	0.	15.03	10.41	0.	33.19
12	0.31	2	0.	0.	2.77	2.22	0.	2.35	0.	13.56	0.	32.64
13	3.99	0	0.	0.	2.99	2.24	0.	6.38	10.15	11.17	0.	28.43
14	0.	2.21	0.34	0.34	0.	1.07	0.	20.12	2.86	2.48	0.	3.87
15	3.36	2.31	10.95	0.	1.91	2.72	0.	9.61	25.51	0.	0.	2.57
P.C.	67.64	111.90	39.19	5.60	226.86	159.64	76.07	67.88	103.09	216.43	192.60	192.60
16	0.	2.25	7.31	0.	0.	12.97	1.82	18.95	11.17	0.	0.	1.85
17	0.54	0.94	0.	0.	0.	4.77	7.42	14.47	5.25	6.85	0.	0.
18	0.43	0.	0.43	0.	0.	9.45	0.	2.63	2.77	33.28	0.	1.00
19	0.	0.	1.14	0.	0.	0.95	12.29	0.	9.79	12.37	0.	15.45
20	18.28	7.36	6.06	0.	0.	8.25	7.41	0.	0.	36.19	3.92	13.92
21	6.01	18.41	0.	3.47	0.	10.48	14.19	0.	5.27	21.55	1.62	7.46
22	1.83	16.96	0.	3.08	0.	6.44	27.52	14.38	3.36	17.61	1.71	8.09
23	0.	2.14	0.	3.26	0.	2.93	5.11	5.95	27.73	0.	1.95	19.86
24	3.33	3.22	0.	0.	0.	0.	20.57	2.56	11.51	1.79	1.28	9.83
25	8.74	0.	0.	0.	0.	0.	5.69	7.94	0.98	0.	46.12	3.22
26	9.42	0.31	0.	0.	0.	0.	2.54	13.46	5.44	0.	3.86	0.
27	8.06	17.81	0.	11.53	0.	4.59	3.03	26.91	2.91	9.63	0.66	1.00
28	3.65	5.96	5.40	0.	22.53	0.	1.98	38.01	0.	7.79	1.41	0.
29	10.23	0.	0.95	0.	4.64	0.	2.53	6.40	1.45	0.	1.21	7.22
30	1.00	0.	0.	2.09	13.15	8.04	0.	15.47	1.56	0.	24.27	0.
31	0.	0.	0.	0.	23.45	0.	0.	18.05	0.74	0.74	0.	0.
P.C.	75.50	75.36	21.29	23.44	63.77	68.87	112.09	185.15	89.19	147.80	88.01	88.89
TOTAL	143.14	187.26	60.48	29.04	290.63	228.51	183.16	253.03	192.28	364.23	280.61	281.49

流域平均降雨量

1971 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	6.16	0.	2.59	0.	6.50	0.60	0.	6.03	4.27	13.82	3.84
2	17.05	4.99	2.77	0.	0.	3.55	0.68	0.	1.86	1.41	15.25	7.41
3	0.	12.68	0.59	0.	0.	1.03	1.45	0.	0.	6.04	0.68	1.85
4	0.	11.24	0.09	0.	10.95	0.50	1.89	2.60	0.77	0.57	0.28	0.
5	3.81	1.00	0.	0.28	4.98	0.66	5.30	1.81	4.23	9.72	2.05	0.
6	3.43	0.	1.95	1.00	2.93	12.51	24.32	14.21	0.	2.79	0.31	1.85
7	3.09	0.	0.63	1.05	6.29	0.	0.57	5.27	10.50	2.79	0.	18.49
8	0.23	0.	0.	0.	5.96	7.45	26.45	0.	7.45	6.16	8.78	5.13
9	0.	0.	0.	7.32	13.82	13.84	7.12	0.40	2.53	5.25	23.09	0.54
10	1.66	0.	4.69	6.98	14.84	1.99	8.85	5.59	0.	5.65	17.74	0.
11	4.78	2.05	0.60	33.11	6.76	0.	1.14	0.28	0.	0.	11.13	3.27
12	0.78	0.	0.	51.28	2.77	0.	4.27	0.	0.	1.05	25.69	4.03
13	15.19	0.	1.45	37.53	11.72	0.	1.82	0.	0.	5.06	7.90	6.11
14	9.28	0.	6.48	26.79	0.	0.	1.45	1.18	8.20	0.71	16.77	26.43
15	0.77	0.	0.	31.78	0.	0.	2.59	13.86	3.02	18.25	0.78	15.29
P.C.	60.07	38.12	19.25	199.72	81.03	48.03	88.51	45.20	44.59	69.72	147.26	94.24
16	0.	0.	0.37	12.98	0.	0.	3.82	12.41	4.86	0.	1.96	5.06
17	0.	12.56	3.23	7.25	0.	10.66	8.80	12.73	10.05	3.12	1.85	13.36
18	0.	16.62	12.91	0.78	0.	0.91	5.54	9.26	8.07	4.02	0.	40.40
19	0.	29.19	11.68	6.05	0.	0.	6.26	21.84	11.86	0.	2.52	13.60
20	0.	20.86	8.76	0.	1.76	0.	9.20	28.14	8.27	4.78	1.03	10.91
21	0.	0.	5.01	0.	3.51	0.	1.28	3.05	13.21	9.11	0.	14.02
22	9.57	0.	6.26	0.	11.42	2.32	1.17	0.	10.87	4.47	0.	24.12
23	3.29	0.	1.85	0.	14.33	2.52	1.41	6.61	21.37	4.24	2.54	14.60
24	2.42	0.	0.	0.	7.42	9.68	1.86	1.67	5.40	2.54	4.95	5.60
25	0.	0.	0.	0.	2.82	5.13	0.	16.56	2.86	1.14	2.71	15.25
26	0.	0.88	0.	0.	13.37	0.	24.14	3.96	2.76	3.03	2.93	11.80
27	10.35	0.	0.	0.	0.	0.03	4.13	0.	0.	5.45	17.47	11.33
28	2.34	0.	0.	0.	0.	4.14	1.42	5.73	0.	1.66	1.51	12.54
29	27.52	0.	2.39	0.	0.	5.41	1.51	0.	0.	0.88	1.37	9.61
30	0.	0.	0.	0.	0.	0.60	0.	0.	1.20	3.54	0.	14.18
31	0.68	0.	3.32	0.	0.	0.	0.03	0.	0.	1.45	0.	17.77
P.C.	56.17	80.10	55.77	27.06	54.63	41.38	70.57	121.96	100.77	49.43	37.84	234.16
1971	116.24	118.23	75.02	226.78	135.66	89.41	159.08	167.16	145.36	119.15	185.10	328.40

流域平均降雨量 1972 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	4.59	0.	4.47	0.	17.43	0.	1.61	0.	24.57	16.83	9.90	2.87
2	0.	1.21	0.	0.	1.37	4.01	3.90	0.59	20.73	33.99	36.24	2.87
3	5.14	0.	13.19	0.	5.38	0.50	7.77	1.66	10.99	3.77	2.82	7.34
4	12.99	0.	4.39	0.	3.85	0.	7.78	0.97	1.56	0.	7.20	2.34
5	5.01	9.00	0.	0.	3.13	6.13	6.54	0.	0.94	11.41	1.79	13.04
6	0.	0.	2.47	0.	1.28	2.31	0.	0.	0.	0.	16.99	3.40
7	0.	0.	2.56	6.25	2.36	0.	5.69	16.63	2.86	0.	7.25	11.12
8	8.39	8.22	0.31	1.01	3.12	0.	5.41	20.44	0.	0.	0.	26.49
9	1.38	0.	1.42	12.26	2.56	4.42	0.	5.79	0.	0.	0.	25.32
10	1.59	0.	0.34	7.03	0.	2.04	4.90	23.57	0.	0.	18.79	24.45
11	9.65	0.	30.94	1.20	7.92	0.60	1.54	12.71	4.34	6.14	7.73	5.41
12	2.95	0.	12.80	12.61	0.	4.23	3.20	0.97	1.42	5.41	0.	0.
13	4.57	0.	1.46	13.54	0.	13.68	3.43	27.19	10.44	0.	5.37	32.67
14	7.34	0.	1.56	5.78	0.	7.84	13.14	10.25	2.79	0.	3.32	15.71
15	5.73	0.	1.45	0.	0.	18.95	13.96	5.09	18.72	2.46	0.	3.28
P.C.	69.33	18.43	77.36	59.68	48.40	64.70	78.87	125.86	99.36	80.01	117.41	176.32
16	1.57	0.	0.	0.	4.68	90.03	9.58	2.54	12.42	14.89	2.95	0.
17	10.36	0.	0.	0.	12.81	2.92	10.25	1.28	15.20	2.52	5.49	2.86
18	4.93	0.	0.	0.	4.57	0.37	2.36	0.92	11.19	0.	0.	38.04
19	0.	13.08	0.	0.	0.	0.	9.92	7.82	14.13	0.	0.95	15.46
20	0.	7.40	0.	0.	0.	0.	3.63	1.71	10.83	11.64	0.	2.85
21	0.	11.45	12.10	0.	23.65	0.	10.11	3.02	1.88	18.45	0.	0.
22	0.	6.90	24.76	0.	2.65	0.	12.10	5.01	0.	6.34	0.	0.
23	0.78	21.56	18.87	1.07	0.	0.	12.00	4.26	0.59	10.34	4.28	0.
24	0.63	18.19	2.45	0.	2.16	2.15	2.59	11.06	1.27	0.	0.	1.34
25	1.42	8.36	0.	2.65	9.80	0.	0.	2.39	8.66	0.	24.41	0.
26	0.	1.86	0.	9.39	2.02	1.95	0.	11.32	4.10	2.91	0.	0.
27	1.79	24.96	0.	7.36	3.74	5.64	0.	3.17	1.91	2.46	12.38	9.28
28	15.34	2.34	16.54	31.87	1.85	0.	2.68	13.08	6.32	0.	13.63	1.05
29	9.51	3.64	1.00	24.76	4.09	5.09	29.67	0.05	7.14	10.31	9.36	6.52
30	5.30	0.	22.94	3.63	3.77	0.	17.94	0.	1.54	34.43	0.	28.68
31	3.40	0.	0.	0.	0.	0.	0.	9.18	7.92	7.92	0.	14.59
P.C.	55.10	119.13	96.66	80.73	75.80	108.15	122.83	76.80	97.18	122.05	73.45	120.67
TOTAL	124.43	138.16	176.02	140.41	124.20	172.85	201.70	202.66	196.54	202.01	190.86	296.99

流域平均降雨量

1973 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	4.50	6.87	0.	0.	11.19	5.45	9.26	0.94	10.82	8.72	0.	8.12
2	8.37	0.	13.40	0.	1.14	2.65	0.	0.66	11.16	12.24	4.77	32.81
3	6.16	3.00	4.60	0.	1.00	7.55	0.	1.76	6.73	8.26	11.79	6.93
4	5.92	21.14	1.14	0.	0.	2.56	0.	2.28	9.45	6.54	8.91	12.79
5	0.	12.59	2.19	0.	2.74	6.62	0.	1.06	22.33	1.42	3.78	4.60
6	0.	26.63	1.80	0.	13.02	7.60	0.	4.28	0.78	0.	3.81	24.62
7	0.	0.85	54.41	0.	2.14	3.19	0.	9.00	1.57	0.27	1.71	14.17
8	0.	0.	10.11	0.	0.	0.78	0.	0.	0.	0.55	3.51	1.74
9	9.60	1.03	12.70	0.	0.	1.14	0.	4.33	0.	0.	0.	0.
10	6.69	0.	11.59	0.	0.	2.86	7.00	0.88	0.	59.15	3.61	0.
11	0.	22.89	8.02	0.	0.	0.	0.98	9.63	0.	14.14	5.95	2.89
12	0.	0.	6.17	0.	3.50	11.26	0.80	4.24	26.74	10.09	106.76	12.46
13	9.39	1.34	3.53	0.	4.51	3.73	10.93	0.	10.56	0.63	28.80	9.23
14	0.59	35.38	0.	0.	9.54	11.22	1.25	1.30	0.	8.49	3.33	0.98
15	8.22	25.95	7.04	3.01	1.28	15.71	1.14	9.67	9.94	79.12	4.73	0.
P.C.	59.44	157.69	136.69	3.01	50.26	79.32	26.36	50.03	110.08	209.63	191.48	131.34
16	24.88	0.	15.23	7.09	0.	6.92	17.27	11.28	0.	32.10	9.23	0.
17	11.74	38.02	0.	45.60	0.	0.	9.37	2.57	0.	6.58	0.79	0.55
18	6.56	12.40	0.	29.10	0.	14.88	6.36	6.92	10.88	0.	1.21	8.69
19	9.54	20.79	2.64	20.48	9.20	20.97	0.27	0.73	0.	1.09	4.08	8.20
20	2.82	1.08	1.20	14.58	0.78	9.54	4.91	0.94	0.	0.	2.34	10.40
21	7.33	0.	0.	13.44	0.	0.	3.99	2.42	0.82	11.76	4.58	0.
22	6.82	0.	0.	0.	0.	2.06	0.	29.20	3.03	0.	17.86	2.18
23	5.58	15.12	1.07	5.69	0.	7.53	9.14	2.70	8.09	0.	8.98	11.17
24	0.	3.60	13.47	0.	0.	9.03	24.76	14.68	1.82	0.	7.30	22.08
25	0.	5.59	10.40	2.51	0.	11.36	2.02	2.09	0.68	0.	0.	20.10
26	0.	4.23	0.	0.	0.	3.15	1.85	22.89	16.57	0.	5.01	15.11
27	22.68	2.14	0.	0.	0.36	7.86	0.09	6.15	13.67	1.27	4.36	6.56
28	9.97	0.86	1.77	0.	0.	4.62	0.	1.95	18.96	0.	1.63	4.40
29	4.00	0.	0.	0.	0.	6.31	0.	2.54	8.85	0.89	5.68	2.58
30	0.97	0.	0.	14.90	0.	0.	0.	1.85	8.41	0.	8.79	5.93
31	3.42	103.82	45.78	153.39	0.	107.23	80.02	109.96	91.79	53.69	81.84	7.16
P.C.	116.26	201.52	185.52	356.50	60.60	186.55	106.38	329.99	203.87	263.32	273.32	125.08
TOTAL	175.75	201.52	185.52	356.50	60.60	186.55	106.38	329.99	203.87	263.32	273.32	256.42

流域平均降雨量

1974 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	10.92	1.17	12.02	0.32	0.	21.93	0.	9.73	0.	0.	0.	0.
2	9.25	0.	64.53	0.32	0.	6.43	0.	0.86	0.	2.77	0.	9.89
3	4.48	0.	35.60	0.	0.	4.38	7.03	0.27	0.	0.	0.	43.91
4	0.66	0.	2.02	6.53	0.49	2.32	3.42	0.36	0.	0.	6.56	75.11
5	5.85	0.	12.80	3.78	0.	6.04	2.28	19.20	0.	22.36	1.77	47.01
6	1.66	0.	5.63	4.25	0.48	6.92	0.	1.98	1.98	0.	5.37	5.04
7	0.	2.17	4.69	0.	0.	4.59	14.75	0.	0.	0.	7.32	5.80
8	1.07	0.	3.02	0.	0.	0.	3.62	5.46	0.	0.	41.94	4.59
9	1.12	0.	2.79	0.	0.	8.49	0.	0.	1.73	0.	0.	7.43
10	3.64	0.	0.94	0.	21.04	1.85	0.	6.46	14.34	0.	31.78	4.37
11	1.59	4.91	0.	6.23	9.16	8.43	0.	0.	2.98	0.	4.37	20.71
12	14.73	50.00	0.	2.42	3.84	0.	0.	6.52	6.17	0.	4.87	8.09
13	19.88	9.36	0.	0.83	0.	0.	0.	0.	32.11	0.	4.68	0.73
14	12.11	0.46	0.	0.46	0.	0.	0.	9.01	32.32	9.91	5.95	0.
15	7.29	0.	0.	0.	11.76	2.15	0.	0.	2.58	5.68	13.97	2.62
16	94.28	68.07	144.03	24.82	46.77	73.54	31.10	59.85	94.21	40.72	128.58	235.57
17	8.05	0.98	3.41	1.40	14.85	9.54	0.	0.	0.	2.40	1.65	0.
18	11.97	4.98	0.	1.53	10.14	15.12	3.78	0.	2.27	11.62	4.45	0.
19	5.86	0.	0.	0.	8.45	0.57	2.90	0.	10.28	0.	1.61	8.09
20	4.99	0.	0.	0.	16.46	0.	0.68	0.	11.39	1.00	9.69	20.13
	0.23	2.38	0.49	0.	14.05	1.03	0.	0.	0.	0.	0.	0.
21	11.09	2.27	0.	6.25	11.41	0.	0.	0.	0.99	36.75	8.93	0.
22	2.58	0.34	0.	7.44	0.	0.	0.27	2.36	3.23	19.29	2.69	5.92
23	28.30	0.	2.42	8.57	0.	0.	0.	3.95	1.14	1.56	1.22	0.91
24	18.14	0.	1.00	3.82	0.50	0.	0.	1.82	0.95	6.71	14.63	6.12
25	8.80	5.64	2.67	17.13	0.	0.	2.77	0.59	16.85	47.68	0.	2.79
26	11.14	1.85	3.86	41.50	0.	0.	0.	0.	5.15	28.46	7.76	0.
27	6.07	12.36	0.50	35.86	0.	0.	0.23	7.66	11.89	12.10	0.	1.32
28	6.73	12.44	0.	18.11	0.	3.65	5.37	3.09	0.	7.89	9.57	0.
29	6.74	0.	0.	0.	0.	2.11	3.31	7.37	1.27	15.90	13.05	8.30
30	4.06	0.	0.	0.	0.27	1.91	0.	42.87	0.	15.05	0.71	11.68
31	9.15	42.27	1.94	0.	17.71	0.	1.95	10.04	0.	0.	86.35	70.73
P.C.	141.90	110.34	160.92	141.60	93.85	33.93	21.25	79.77	65.39	245.52	214.93	306.03
TOTAL	236.18	110.34	160.92	166.42	140.62	107.47	52.55	139.62	159.60	286.24	214.93	306.03

流域平均降雨量:

1975 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	1.74	0.	2.17	0.	0.	0.	0.	0.	0.	3.35	15.64	20.43
2	0.	0.	0.	0.	0.	0.	0.	0.	9.30	7.36	19.12	9.81
3	2.70	0.	0.20	0.	0.	0.	0.	0.	0.	16.78	11.69	2.75
4	0.	0.	5.03	0.	0.	0.	0.	5.88	11.02	9.25	24.33	0.
5	3.37	0.	0.	0.	0.	0.	0.	14.17	15.84	2.50	22.79	34.15
6	16.85	0.	0.57	0.	14.66	0.	0.	32.18	1.42	29.99	22.53	8.12
7	0.91	0.	0.	0.	14.56	0.	0.	3.44	14.48	38.09	0.	53.53
8	0.	3.08	0.	0.	13.73	0.	0.14	5.87	4.21	12.75	0.	22.14
9	5.28	0.	0.	0.	0.	0.	0.28	16.11	0.	4.78	4.45	5.87
10	0.57	1.82	0.28	0.	0.	0.	0.	16.18	3.69	2.17	0.	2.85
11	6.42	13.69	0.	0.	0.	0.	0.	3.34	0.	4.55	0.57	4.05
12	0.37	0.	0.43	0.	0.28	2.51	0.	0.	0.	0.	20.06	0.
13	3.26	0.	2.64	0.	0.28	0.	4.19	6.86	0.	20.31	0.	15.81
14	3.31	0.	0.	0.	7.44	0.	0.28	10.37	3.96	5.22	3.62	13.05
15	1.14	0.	0.	0.	0.	12.36	5.62	0.	6.14	13.77	28.88	4.40
P.C.	45.90	18.59	11.32	0.	50.95	14.87	10.51	114.40	-70.06	170.86	173.88	196.96
16	0.	5.37	0.	0.	0.	0.	7.74	0.57	42.34	25.21	0.	0.
17	0.	0.	0.	0.	1.82	0.	0.	21.58	10.58	2.64	40.05	6.30
18	4.51	0.	0.	2.85	15.53	0.	0.	1.42	7.79	0.57	25.97	8.44
19	0.	1.14	0.	0.28	1.70	0.43	12.83	5.36	7.64	0.28	25.00	6.96
20	0.	0.	0.	0.	0.	2.28	10.64	6.74	6.05	8.71	19.54	0.68
21	5.01	0.57	0.	3.67	14.34	0.	7.69	2.83	12.36	0.	27.52	0.
22	0.57	4.85	0.	0.57	2.50	0.	10.14	0.	9.23	3.22	11.01	0.
23	0.57	2.59	0.	4.21	2.22	0.	0.	0.	0.	2.05	43.26	4.00
24	9.12	0.	0.	1.42	7.58	0.	0.	0.	0.	3.06	5.38	8.59
25	0.	0.	8.97	0.57	0.57	0.	5.73	0.	0.	7.23	4.26	0.
26	0.57	0.	0.	5.30	1.14	0.	1.42	1.14	6.86	4.63	12.78	4.57
27	4.59	0.	0.	0.28	0.28	0.	0.	0.	0.	3.93	3.56	0.
28	7.64	0.	0.	0.	0.	8.03	0.	3.33	4.56	9.41	12.16	0.
29	0.71	0.	4.63	0.	0.	0.	3.32	0.14	0.	13.36	21.52	0.
30	8.10	0.	0.	0.	0.	0.	5.35	0.	0.	0.	18.50	3.22
31	41.39	14.50	13.59	19.17	62.05	10.74	65.30	43.11	107.42	84.30	270.53	42.76
P.C.	87.29	33.09	24.81	39.17	115.00	25.61	25.51	152.51	177.48	255.16	444.21	239.72

流域平均降雨量

1976 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	3.79	0.85	0.	0.	2.35	0.36	10.13	0.	1.23	0.	10.03
2	0.	0.	20.81	0.	3.32	0.23	4.00	14.94	0.	4.44	17.06	0.46
3	0.	0.	17.56	0.	0.78	0.	5.03	18.85	0.	6.01	0.	16.39
4	0.83	10.73	2.02	0.	0.	1.62	0.90	0.45	0.23	0.	0.74	0.
5	2.86	9.42	1.78	0.	3.80	10.30	25.99	0.	0.	0.	5.49	0.
6	1.34	0.	12.00	0.	0.48	0.27	0.	0.	2.86	2.90	4.04	0.77
7	2.04	3.59	0.23	0.	8.41	4.30	0.	0.	19.24	20.59	2.97	0.
8	0.	0.	0.	0.	23.77	9.48	0.88	1.85	13.51	37.01	0.	2.80
9	0.64	1.17	0.	0.20	7.29	9.15	2.18	0.17	1.59	10.32	20.64	17.29
10	23.62	5.90	0.	8.54	1.53	0.37	0.32	6.15	0.	5.88	5.53	7.39
11	9.50	7.77	0.	20.82	0.	0.	0.	0.81	19.70	41.10	1.46	2.32
12	0.	9.61	2.79	3.49	0.	0.	0.	5.56	1.24	0.	1.31	0.
13	1.67	1.59	0.88	14.31	0.45	0.	0.	2.95	1.28	1.27	0.10	1.54
14	1.57	5.32	1.02	3.94	1.95	5.00	0.	0.	2.11	2.43	6.94	2.18
15	3.96	4.80	0.98	2.95	0.	27.84	0.	0.	17.65	0.10	0.	0.
16	48.03	62.69	60.91	54.27	51.78	70.92	39.66	61.87	79.43	133.27	65.26	61.15
17	5.96	3.07	0.49	3.51	1.05	1.90	0.	0.	5.38	1.15	3.58	0.
18	0.	2.27	0.	0.	0.34	2.54	0.74	0.	0.	0.	6.21	0.
19	12.39	20.23	0.	0.	20.53	0.68	17.58	3.95	0.	0.32	0.	0.
20	1.65	20.56	1.17	1.85	1.68	0.40	4.58	5.62	0.	0.	0.	2.25
21	6.87	4.04	1.14	2.45	0.23	2.82	5.05	0.	0.	0.	0.	0.
22	2.27	6.54	0.	44.11	1.46	0.	1.36	0.	0.	0.05	0.	0.
23	0.	0.54	0.68	0.57	0.49	0.	3.27	0.	4.90	1.49	0.	2.53
24	0.	1.20	0.	0.	0.	0.49	0.51	0.	0.28	6.00	0.23	0.
25	15.65	13.28	0.	9.82	0.	0.	0.	0.	0.	19.05	1.27	1.37
26	6.16	15.30	0.85	0.	0.	6.00	2.70	0.	1.28	0.57	14.19	0.
27	5.30	22.10	2.85	0.	0.23	1.51	8.39	1.54	0.	0.	4.93	0.
28	4.04	0.	0.	0.	3.09	1.99	3.09	0.	1.07	0.	0.52	6.32
29	0.	0.	0.	0.	11.21	2.46	0.	10.92	1.25	0.95	6.24	0.
30	0.	1.54	2.37	0.	5.48	7.89	0.	0.45	10.99	16.35	0.	0.83
31	0.	0.	0.	0.	2.30	0.	0.	0.	0.	12.94	1.81	0.
P.C.	60.74	110.68	9.55	62.31	48.30	48.68	47.30	23.53	25.15	58.87	38.78	13.30
TOTAL	108.77	173.37	70.46	116.58	100.08	119.60	86.96	85.40	104.58	192.14	105.06	74.45

流域平均降雨量

1977 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.23	0.	0.	0.	3.22	0.	9.36	0.	6.69	0.	53.34	0.49
2	9.05	0.20	1.77	5.48	2.43	0.59	0.	3.15	10.76	0.	0.	2.24
3	1.83	0.	0.	0.54	0.	8.53	3.51	8.31	0.	0.	0.	0.37
4	0.	0.	2.74	0.	0.	0.68	0.	8.11	0.64	2.15	0.	0.
5	0.	0.	2.14	0.57	0.	0.32	0.75	21.13	0.	26.33	0.	0.
6	0.68	0.29	0.	5.79	0.	2.21	2.18	2.83	0.73	9.97	1.98	0.
7	0.	8.28	0.	0.66	0.	0.	9.54	2.73	9.99	2.39	0.	0.
8	0.	10.99	0.	3.02	0.	0.	0.	0.14	2.03	0.	0.	3.11
9	0.	0.55	0.	0.	0.	0.	0.	10.24	0.57	0.	0.73	0.90
10	0.	0.	0.	1.57	0.	0.	4.15	2.54	0.	27.46	0.83	3.45
11	2.67	0.	0.	5.82	0.	0.	0.34	13.78	0.	3.15	1.17	12.04
12	0.	0.	0.	0.	0.	2.04	1.85	1.12	6.78	4.13	2.05	13.20
13	17.02	0.	0.	0.	0.	6.23	9.28	2.47	0.85	0.	3.19	19.59
14	0.97	0.	0.	9.32	0.	0.	2.40	8.30	5.63	0.	0.	2.32
15	0.	0.	0.	0.	25.93	0.10	18.05	2.77	12.05	1.85	27.52	0.
P.C.	32.44	20.30	6.65	32.79	31.58	20.70	63.41	87.62	54.72	71.43	90.81	57.71
16	0.	0.	0.	108.01	0.	10.97	3.48	0.	2.90	0.23	12.88	1.00
17	0.	3.05	3.54	17.39	36.71	0.50	13.44	0.14	6.24	7.07	0.36	0.
18	0.	23.04	0.	60.55	14.67	0.	0.	14.19	2.23	0.	0.71	0.
19	0.	1.85	0.	35.18	0.34	0.	0.	0.	4.28	0.	0.	0.14
20	0.	0.	0.	36.84	0.09	0.	0.	0.78	3.05	1.98	6.67	3.38
21	7.47	0.	0.	23.96	6.07	0.	0.	0.82	14.63	6.44	92.18	0.
22	6.76	0.	0.	16.27	52.24	0.	0.	15.80	7.35	0.	68.08	0.
23	4.95	0.	0.	21.68	3.73	2.60	0.	5.12	4.04	0.	34.82	1.02
24	14.18	0.	0.49	0.	17.47	1.89	0.59	16.24	0.	0.	4.94	13.25
25	0.	0.	0.	0.	5.72	1.00	2.11	3.45	2.77	0.34	3.09	0.23
26	0.	0.	6.40	0.	7.55	1.05	19.87	0.36	1.00	0.27	0.	0.
27	0.	0.	0.27	0.	20.40	11.56	17.94	0.60	0.	2.77	19.05	2.09
28	0.	0.	0.	0.	6.65	0.	10.81	2.41	6.18	9.40	13.19	64.09
29	0.	0.	0.20	0.32	1.45	0.11	1.33	0.95	0.	4.14	13.79	37.38
30	0.	0.	0.	3.35	0.14	8.18	6.22	11.67	0.	0.	0.43	60.57
31	0.	0.	0.34	0.	0.	0.	0.	16.07	0.	0.	0.	3.97
P.C.	33.36	27.94	11.24	323.52	173.23	37.87	75.79	88.60	54.66	32.64	270.17	187.13
TOTAL	65.80	68.24	17.80	356.31	204.81	58.57	137.20	176.22	109.38	110.07	360.98	244.84

流域平均降雨量:

1978 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	1.27	0.83	10.62	1.51	0.32	4.86	3.40	0.93	1.84	0.	5.62
2	1.73	0.79	4.20	4.43	0.	13.42	5.15	0.70	0.	0.	1.15	25.72
3	0.	4.19	0.97	0.49	0.50	0.40	0.	0.26	0.59	0.	5.07	9.52
4	0.	15.69	0.	5.46	11.72	1.77	0.	9.69	1.50	0.	0.	3.59
5	2.70	1.09	0.66	2.78	0.	0.	9.32	0.73	0.	0.	0.89	0.
6	0.	10.54	2.00	4.01	0.05	0.	0.	4.73	0.59	0.	0.	3.90
7	0.	0.	0.51	17.23	1.27	0.	6.54	7.48	0.	0.	6.62	2.09
8	0.	0.	10.76	0.27	1.45	1.76	0.	0.	0.88	2.39	0.	0.
9	2.77	0.	0.	0.	0.34	2.26	2.82	2.41	3.13	1.86	7.16	0.
10	0.	27.32	0.	7.28	5.70	0.	5.63	1.46	0.86	0.14	8.54	0.20
11	0.	0.	0.	0.77	1.25	0.59	1.54	0.	0.	3.45	6.45	0.
12	0.	0.	21.38	5.65	48.75	1.12	0.64	0.	0.49	4.12	0.36	0.
13	0.	0.	0.	5.02	22.87	8.11	4.01	1.45	0.	13.33	14.41	0.
14	0.	0.	0.20	0.	0.	3.84	8.44	9.21	22.47	2.79	1.42	0.
15	2.54	0.	1.56	1.55	0.	0.	18.12	0.66	0.	0.	0.49	0.
P.C.	9.74	60.89	43.57	65.56	95.41	33.59	67.06	42.19	31.44	29.92	52.56	50.64
16	3.22	0.	0.	27.11	7.03	0.	0.	12.00	0.	8.05	2.25	0.
17	0.60	0.	0.	1.68	9.03	8.62	0.	22.78	1.23	0.	1.40	0.68
18	0.59	0.	0.82	1.99	0.72	12.29	12.08	0.27	20.47	0.	11.33	45.35
19	0.83	0.	11.98	16.27	15.56	4.37	5.28	2.54	0.95	0.	3.74	24.61
20	0.	0.	10.25	0.	8.41	1.23	5.97	1.50	0.	0.27	24.55	0.
21	0.	0.	0.	0.	4.48	6.10	8.31	14.40	33.83	16.54	6.32	0.
22	0.14	1.40	0.	29.44	12.79	0.73	1.44	0.50	24.99	1.09	2.05	0.
23	2.32	0.	13.88	3.59	2.54	0.	0.	0.	5.36	10.88	6.22	0.
24	0.14	2.53	0.	0.49	0.32	2.09	0.43	0.	0.	26.87	16.41	0.27
25	0.	0.34	12.56	8.25	18.15	1.05	0.	4.19	0.	3.70	0.	0.
26	4.44	0.	3.44	0.49	20.28	1.73	0.	0.	2.27	2.84	1.66	0.28
27	2.25	7.50	1.41	0.	17.90	5.11	0.	1.94	8.76	1.91	3.22	0.
28	0.	11.91	3.68	18.61	11.36	14.72	0.	0.	3.51	0.51	20.97	0.
29	19.07	0.	0.	15.25	2.47	0.27	0.	0.	0.27	0.	6.30	0.
30	17.38	0.	25.26	13.04	2.05	10.89	0.	0.	0.	3.62	8.26	0.11
31	0.	0.	12.78	0.	1.32	0.	0.	0.	0.	4.63	0.	30.43
P.C.	50.98	23.68	96.06	136.21	134.39	69.18	33.51	60.12	101.66	85.93	114.70	101.73
TOTAL	60.72	84.57	139.63	201.77	229.30	132.77	100.57	102.31	133.10	115.85	167.26	152.37

 流域平均降雨量 1979 RIO NAGUA

	1	2	3	4	5	6	7	8	9	10	11	12
1	0.	2.52	0.	0.11	9.33	17.11	7.37	42.58	3.04	3.54	4.41	0.40
2	2.05	0.	4.11	0.43	0.	8.36	3.78	2.61	0.	4.08	9.34	21.70
3	0.	0.	7.68	0.	4.08	2.41	0.	0.40	0.66	11.49	3.78	0.68
4	0.	0.	0.	0.	0.	12.00	0.	8.79	11.53	11.21	4.24	3.86
5	5.13	0.	1.70	0.17	0.	5.20	3.81	6.06	14.81	0.	31.17	11.78
6	10.89	0.	0.	0.	0.	0.74	1.45	15.46	43.63	0.	21.70	0.17
7	6.56	0.	0.	0.	0.	20.29	1.51	1.70	5.30	0.	33.04	3.10
8	0.34	0.	0.	0.	0.	3.39	16.46	0.	0.	2.16	36.49	6.61
9	1.70	0.	0.	0.	6.41	3.95	0.	0.	0.	0.	34.43	2.39
10	0.	0.	0.51	0.	7.62	17.24	0.	0.43	4.31	0.	64.33	3.78
11	6.91	16.72	0.	1.70	19.57	0.51	0.	0.	8.74	0.	3.34	3.82
12	11.63	9.47	10.62	5.50	7.91	2.77	0.	2.53	0.14	2.41	7.02	1.37
13	3.39	57.41	4.28	2.36	34.74	0.	0.	7.85	5.70	0.	0.	13.33
14	3.41	8.84	6.98	3.72	0.37	0.	0.	7.33	7.02	0.	0.	0.46
15	0.	0.	10.18	0.	5.64	0.	0.34	0.	0.	0.	0.	0.
P.C.	51.99	94.96	46.06	13.99	95.67	93.97	34.72	95.74	-104.88	36.89	253.29	73.44
16	0.28	2.04	2.28	0.	8.27	0.	4.15	0.	0.	0.	0.	0.17
17	6.26	0.	9.94	15.58	29.15	2.35	14.58	0.34	0.	0.	0.	0.
18	3.37	0.	12.53	4.78	33.39	0.	37.31	4.54	1.70	0.48	30.94	0.60
19	0.	0.09	5.98	21.00	25.92	0.	22.38	0.	0.	1.70	50.24	22.28
20	0.	3.40	0.57	86.51	3.96	0.	3.54	0.	0.	0.23	2.36	8.52
21	0.	6.30	0.	46.65	0.	0.	7.21	0.83	9.00	10.40	19.78	6.93
22	0.	4.36	0.	0.34	0.	3.20	11.74	7.78	8.31	21.84	6.78	1.87
23	0.	6.95	0.	0.14	0.57	5.74	1.87	4.42	0.	15.34	1.87	14.83
24	0.	0.	0.	3.08	0.	6.50	4.75	5.52	0.51	4.81	12.08	0.
25	0.	0.	0.	25.97	2.52	3.84	0.	6.04	1.93	0.	0.40	0.
26	0.	0.	6.95	0.	0.	24.34	0.	0.	0.57	24.70	5.84	0.
27	0.	0.	24.75	2.87	7.72	2.63	0.28	4.97	0.	12.16	9.07	0.
28	0.	1.70	0.	0.	1.85	11.46	0.11	2.16	0.	0.	7.76	0.
29	0.	0.	0.46	30.02	61.96	7.80	0.06	0.26	0.	18.19	0.	0.
30	0.	0.	0.	2.99	1.93	0.	2.50	18.37	16.43	7.70	0.	0.
31	0.	0.	0.14	239.94	30.75	0.	19.12	86.60	0.	0.	0.	0.
P.C.	9.91	24.84	63.61	239.94	208.0	67.88	129.60	141.81	38.45	117.57	147.13	55.20
1979	61.20	119.80	102.67	253.75	503.67	161.85	164.52	237.55	143.33	152.46	400.42	128.64

付属資料 2.3.16 水収支計算

(1) : 半月単位の蒸発散量 + 浸透量 (mm)

(2) : 半月単位の有効雨量 (mm)

(3) : 純用水量(1)-(2) (mm)

(4) : 粗 " (3) / 0.7 (mm)

(5) : 反覆利用水量 { (4)-(3) } × 0.5 (mm)

(6) : 必要水量(4)-(5) (mm)

(7) : 必要水量(6) × かんがい面積 (m³)

(8) : ダム流域河川流出量 (A₁ = 92 km²) (m³)

(9) : 残流域 " (A₂ = 58 km²) (m³)

(10) : 山地流域 " (A = 150 km²) (8)+(9) (m³)

(11) : 還元水を利用しない場合の不足用水量(1)-(10) (m³)

(12) : " (11) / 86,400 × 日数 (m³/S)

(13) : ダムを利用したときの不足用水量(7)-(9) (m³)

(14) : ダム容量 Σ(8)-(13) (m³)

この数値が一年間で回復しない場合は、ダムが不足用水量を確保できないことを示す。

(15) : 還元水量 { (4)+(2)-(1) } × 0.3 × かんがい面積 (m³)

(16) : " (15) / 86,400 × 日数 (m³/S)

● (17) : 還元水を考慮したときの不足用水量(12)-(16) (m³/S)

(18) : 必要水量の積算値 Σ(7) (m³)

(19) : 河川流出量の積算値 Σ(10) (m³)

※印は無効放流を示す。

(20) : 不足水量の積算値 Σ(11) (m³)

MES	DIMS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
		ET	PE	PMP	DTR	PP	PUC	RUC-1	RUC-2	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADR-1	ADR-2	ABC	(18)JAC	(18)JAC		
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(x100000)	(x100000)	(x100000)	(mm)	(x100000)	(x100000)	(x100000)	(x3%)	(mm)	(x100000)	(x100000)	(x100000)	
1	15	21.2	80.4	0.0	0.0	0.0	0.0	0.0	0.0	1887.2	1189.8	9077.0	-2.37	-1189.8	1007.2	1098.8	0.84	-3.21	0.0	0.0	0.0	0.0
1	16	48.3	32.8	0.5	12.1	1.8	18.3	927.0	0.0	2059.6	1299.4	3386.0	-2.43	-1.76	3946.0	1698.8	0.87	-1.83	0.0	0.0	0.0	0.0
2	13	39.4	117.4	0.0	0.0	0.0	0.0	0.0	0.0	2498.1	1374.9	4073.0	-0.73	-3.14	5444.9	1566.0	1.21	-4.33	937.0	0.0	0.0	0.0
3	15	106.3	2.2	104.1	148.7	22.3	126.4	11376.0	0.0	1886.4	1176.6	3843.0	0.61	2549.4	5761.9	394.2	0.35	0.26	4633.0	0.0	0.0	0.0
3	16	112.8	2.6	112.8	137.4	23.6	131.0	12842.0	0.0	1311.3	826.7	2138.0	7.16	11215.3	-13081.1	1294.4	0.92	5.57	16095.0	0.0	0.0	0.0
4	13	116.7	0.0	116.7	166.7	25.0	141.7	12739.0	0.0	1031.0	690.0	1601.0	6.34	12193.0	-24193.0	1798.0	1.84	7.50	48824.0	0.0	0.0	0.0
4	15	115.9	4.2	113.7	159.6	24.8	135.6	12284.0	0.0	1277.6	885.4	1812.0	7.81	11398.6	-24193.0	1293.3	1.80	6.81	53828.0	0.0	0.0	0.0
5	13	121.2	289.8	0.0	0.0	0.0	0.0	0.0	0.0	4084.8	2573.2	6668.0	-5.65	-5.65	0.0	2392.2	1.85	-6.39	59828.0	0.0	0.0	0.0
5	16	76.4	64.8	32.4	46.3	7.0	39.3	3537.0	0.0	1897.9	1196.0	3893.0	-4.42	-2.41	-2693.3	375.3	0.27	0.05	58585.0	0.0	0.0	0.0
6	15	81.5	55.5	35.0	48.0	6.0	42.3	3023.0	0.0	1316.0	1996.2	5147.0	-1.22	1834.0	-39311.3	485.0	0.31	-1.33	68388.0	0.0	0.0	0.0
6	16	81.5	55.5	35.0	48.0	6.0	42.3	3023.0	0.0	1984.4	1268.6	3105.0	-4.5	1859.4	-39311.3	324.0	0.25	-0.28	63458.0	0.0	0.0	0.0
7	13	87.8	52.3	35.3	38.4	7.4	42.8	3832.0	0.0	2083.8	1267.2	3267.0	0.93	2588.0	-39311.3	487.7	0.31	-1.14	67382.0	0.0	0.0	0.0
7	16	107.3	73.2	34.1	48.7	7.3	41.4	3726.0	0.0	2564.3	1616.7	4181.0	-4.55	0.0	-39311.3	394.2	0.29	-0.62	71828.0	0.0	0.0	0.0
8	15	116.0	81.4	54.5	78.0	11.2	65.3	5967.0	0.0	1880.9	1192.1	3883.0	2.33	4774.9	-32988.3	631.0	0.49	1.74	76995.0	0.0	0.0	0.0
8	16	123.1	198.0	0.0	0.0	0.0	0.0	0.0	0.0	3572.7	2232.3	5823.0	-4.21	-2232.3	-2697.6	2022.3	1.46	-3.57	89995.0	0.0	0.0	0.0
9	15	115.4	67.2	47.4	67.7	10.2	57.3	5175.0	0.0	2184.7	1377.3	3562.0	1.24	3797.7	-27943.9	548.1	0.42	0.82	83394.0	0.0	0.0	0.0
10	15	104.6	171.8	0.0	0.0	0.0	0.0	0.0	0.0	3948.7	2494.3	6425.0	-4.36	-2484.3	-24883.2	1899.8	1.48	-6.36	83394.0	0.0	0.0	0.0
10	16	82.0	138.4	0.0	0.0	0.0	0.0	0.0	0.0	3836.9	1927.1	4984.0	-3.61	-1927.1	-28746.3	1474.2	1.87	-4.58	83394.0	0.0	0.0	0.0
11	15	49.9	294.4	0.0	0.0	0.0	0.0	0.0	0.0	3611.9	2277.1	5889.0	-4.34	-2277.1	-17134.4	4171.5	3.22	-2.76	83394.0	0.0	0.0	0.0
11	16	27.9	92.0	0.0	0.0	0.0	0.0	0.0	0.0	2168.1	1366.9	3335.0	-2.73	-1366.9	-15166.3	1758.7	1.34	-4.87	83394.0	0.0	0.0	0.0
12	15	32.3	173.2	0.0	0.0	0.0	0.0	0.0	0.0	3611.9	2277.1	5889.0	-4.34	-2277.1	-17134.4	3777.3	2.91	-2.45	83394.0	0.0	0.0	0.0
12	16	25.8	87.0	0.0	0.0	0.0	0.0	0.0	0.0	2244.2	1414.0	3659.0	-4.54	-1414.0	-9318.2	1674.0	1.21	-3.86	83394.0	0.0	0.0	0.0

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MES	DIMS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
		ET	PE	PMP	DTR	PP	PUC	RUC-1	RUC-2	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADR-1	ADR-2	ABC	(18)JAC	(18)JAC		
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(x100000)	(x100000)	(x100000)	(mm)	(x100000)	(x100000)	(x100000)	(x3%)	(mm)	(x100000)	(x100000)	(x100000)	
1	16	48.3	32.8	0.5	12.1	1.8	18.3	927.0	0.0	1793.0	1134.0	3907.0	-2.24	-1124.0	1793.0	1888.4	1.23	-2.47	0.0	0.0	0.0	0.0
2	13	39.4	117.4	0.0	0.0	0.0	0.0	0.0	0.0	1792.6	1130.2	2923.0	-2.11	-1130.2	3575.8	1841.7	1.22	-3.23	0.0	0.0	0.0	0.0
3	16	112.8	2.6	112.8	137.4	23.6	131.0	12842.0	0.0	1480.0	933.0	2413.0	0.82	2341.0	2341.0	267.2	0.28	0.54	3474.0	0.0	0.0	0.0
4	15	106.3	2.2	104.1	148.7	22.3	126.4	11376.0	0.0	1932.0	1218.0	3150.0	3.37	5721.0	-1274.2	734.4	0.63	2.72	16413.0	0.0	0.0	0.0
4	16	112.8	2.6	112.8	137.4	23.6	131.0	12842.0	0.0	1219.3	748.7	1988.0	7.88	18391.0	-18446.2	1182.6	0.91	6.17	21373.0	0.0	0.0	0.0
6	15	87.0	56.4	36.4	45.4	6.8	36.4	3474.0	0.0	1787.3	1126.7	2914.0	5.63	5747.3	-18233.2	1134.0	0.82	4.81	32274.0	0.0	0.0	0.0
6	16	81.5	55.5	35.0	48.0	6.0	42.3	3023.0	0.0	3718.1	2338.9	5849.0	-4.67	-2338.9	-14523.1	1468.7	1.13	-5.88	92274.0	0.0	0.0	0.0
7	13	39.4	117.4	0.0	0.0	0.0	0.0	0.0	0.0	1327.3	836.7	2164.0	6.48	9621.3	-22017.1	1187.0	0.85	5.55	42762.0	0.0	0.0	0.0
7	16	107.3	73.2	34.1	48.7	7.3	41.4	3726.0	0.0	1616.7	1819.3	2626.0	6.06	9925.0	-30673.1	1198.7	0.92	5.14	53944.0	0.0	0.0	0.0
8	15	116.0	81.4	54.5	78.0	11.2	65.3	5967.0	0.0	1771.3	1116.7	2880.0	-4.68	-2338.3	-31236.1	364.5	0.26	0.14	57411.0	0.0	0.0	0.0
8	16	123.1	198.0	0.0	0.0	0.0	0.0	0.0	0.0	1554.7	961.3	2486.0	4.19	4832.7	-48168.1	656.1	0.64	3.58	74618.0	0.0	0.0	0.0
9	15	115.4	64.8	32.4	46.3	7.0	39.3	3537.0	0.0	2179.3	1371.5	3427.0	5.82	9121.3	-39262.0	1871.9	0.83	4.99	94695.0	0.0	0.0	0.0
9	16	107.3	73.2	34.1	48.7	7.3	41.4	3726.0	0.0	1782.5	1782.5	4483.0	2.46	6188.3	-33236.1	826.2	0.68	1.86	98298.0	0.0	0.0	0.0
10	15	49.9	294.4	0.0	0.0	0.0	0.0	0.0	0.0	1588.9	989.1	2538.0	7.81	18656.9	-62314.1	1232.9	0.95	6.86	189944.0	0.0	0.0	0.0
10	16	27.9	92.0	0.0	0.0	0.0	0.0	0.0	0.0	2344.2	1414.0	3659.0	-4.54	-1414.0	-9318.2	1389.5	0.93	-2.61	124992.0	0.0	0.0	0.0
11	15	32.3	173.2	0.0	0.0	0.0	0.0	0.0	0.0	1659.5	1071.5	2771.0	1.93	2987.5	-67444.1	429.3	0.31	-0.62	124992.0	0.0	0.0	0.0
11	16	25.8	87.0	0.0	0.0	0.0	0.0	0.0	0.0	2986.3	1882.7	4869.0	-3.76	-1882.7	-64837.0	3633.2	2.83	-5.79	124992.0	0.0	0.0	0.0
12	15	33.3	81.9	0.0	0.0	0.0	0.0	0.0	0.0	1476.3	936.7	2487.0	-1.66	-2487.0	-63181.5	1389.5	0.75	-2.61	124992.0	0.0	0.0	0.0
12	16	25.8	87.0	0.0	0.0	0.0	0.0	0.0	0.0	2254.5	1421.4	3692.0	-2.84	-1421.4	-60926.9	1389.5	0.81	-3.85	124992.0	0.0	0.0	0.0

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MES	DAYS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
		ET	FE	PH	DR	PR	PUC-1	PUC-2	GDD	GDD	GT	FDA-1	FDA-2	FDA-3	CDP	ADR-1	ADR-2	ADR	(10)	(10)	(20)	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
1	15	21.2	31.4	0.0	0.0	0.0	0.0	0.0	1918.5	1294.5	3115.0	-3115.0	-2.40	-1294.5	1918.5	329.4	-2.65	9.0	8.0	8.0	0.0	
2	16	48.5	43.6	0.0	0.0	0.0	0.0	0.0	1778.1	1126.9	2899.0	-2899.0	-2.10	-1126.9	1778.1	83.7	-2.16	6.8	6.8	6.8	0.0	
3	17	81.3	6.0	59.4	84.4	12.0	72.1	6493.0	1280.3	761.7	1978.0	4319.0	3.49	3727.3	698.5	698.5	2.95	6493.0	1978.0	1978.0	4511.0	
4	18	81.3	161.5	0.0	0.0	0.0	0.0	0.0	2542.3	1662.7	4145.0	-4145.0	-3.43	-1662.7	1711.9	548.0	-3.08	6493.0	6111.0	6111.0	3741.0	
5	19	166.3	61.8	44.3	52.6	5.6	54.9	4968.0	2921.7	1274.3	3296.0	1564.0	1.21	3985.5	147.9	512.7	.81	11249.0	9411.0	1939.0	0.0	
6	20	112.0	62.8	50.8	71.4	10.7	58.7	5463.0	2379.1	1499.7	3073.0	1564.0	1.15	3985.5	147.9	512.7	.73	16812.0	13290.0	3522.0	0.0	
7	21	166.3	63.6	53.1	11.4	21.6	122.4	11016.0	1621.7	1822.3	2444.0	8372.0	6.46	9393.7	-16039.1	1166.4	-4.8	22617.0	16188.0	6429.0	0.0	
8	22	113.9	57.6	61.3	97.6	13.2	74.4	6696.0	2869.2	1383.0	3372.0	3324.0	2.34	4694.4	-4243.1	815.6	1.55	29313.0	19668.0	18125.0	0.0	
9	23	166.3	73.2	53.1	51.6	5.6	281.1	2329.0	2869.2	1383.0	3372.0	3324.0	2.34	4694.4	-4243.1	815.6	-1.9	42858.0	25568.0	17298.0	0.0	
10	24	166.3	61.8	45.8	51.6	5.6	35.6	5984.0	1846.4	1164.3	3011.0	1093.0	1.84	2639.6	-17197.1	539.2	-4.1	47862.0	28579.0	19282.0	0.0	
11	25	166.3	57.6	49.7	71.0	18.7	66.2	7298.0	2842.4	1287.6	3430.0	420.0	1.84	2639.6	-16186.1	3876.8	-2.4	1.08	58768.0	32566.0	18192.0	0.0
12	26	166.3	161.2	14.8	21.1	3.2	114.6	10314.0	2698.7	1696.3	4307.0	-2775.0	-2.14	984.4	-23775.4	178.1	-2.27	63555.0	46760.0	26640.0	0.0	
13	27	166.3	78.9	45.4	64.9	9.6	35.1	4959.0	2323.1	1465.9	3791.0	1169.0	1.90	3493.1	-26942.4	1893.5	.79	4.22	73978.0	48892.0	28943.0	0.0
14	28	166.3	65.2	49.4	70.2	10.8	68.0	5080.0	2295.1	1446.9	3742.0	1659.0	1.28	3953.1	-26608.4	526.5	.44	1.84	80250.0	51026.0	26941.0	0.0
15	29	166.3	51.8	29.6	42.3	6.4	35.9	3231.0	2957.7	1287.3	3255.0	-1224.0	-1.10	1923.7	-20476.4	342.9	.26	-0.36	89468.0	83903.0	36477.0	0.0
16	30	166.3	139.4	0.0	0.0	0.0	0.0	0.0	1702.3	4884.0	-4468.0	-4468.0	-3.10	-1702.3	-23775.4	1591.2	1.89	-4.28	89468.0	63387.0	26873.0	0.0
17	31	166.3	180.8	0.0	0.0	0.0	0.0	0.0	2374.2	1622.8	4197.0	-4197.0	-3.24	-1622.8	-23291.1	1598.3	1.32	-6.47	89468.0	67564.0	21876.0	0.0
18	32	166.3	79.2	0.0	0.0	0.0	0.0	0.0	1987.6	1248.4	3268.0	-3268.0	-2.48	-1248.4	-21233.5	1585.1	1.87	-3.55	89468.0	70752.0	18668.0	0.0
19	33	166.3	138.8	0.0	0.0	0.0	0.0	0.0	3386.0	2125.2	3522.0	-3522.0	-4.26	-2125.2	-17846.7	2349.3	2.28	-6.46	89468.0	76214.0	13145.0	0.0
20	34	166.3	78.0	0.0	0.0	0.0	0.0	0.0	2482.7	1631.3	4374.0	-4374.0	-3.16	-1631.3	-15164.0	1216.6	.89	-4.05	89468.0	86688.0	8772.0	0.0

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MES	DIRS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	FE	PH	DIR	SA	PUC-1	RUC-2	GDD	GDD	GT	FDR-2	FDR-3	ADP-1	RDR-2	RBC	RBC	RBC	RBC	RBC	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(1000000)	(1000000)	(1000000)	(mm ² /a)	(mm ² /a)	(1000000)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)
1	15	21.2	0.9	12.4	17.7	2.7	15.8	1350.0	1009.1	895.9	1774.0	-0.24	-0.24	143.1	11	-44	1359.0	1359.0	1359.0	1359.0	0.0
1	16	49.3	60.6	8.0	0.0	0.0	0.0	0.0	1721.0	1695.0	2864.0	-2.03	-2.03	542.7	39	-2.42	1359.0	1359.0	1359.0	1359.0	0.0
2	13	59.4	54.2	0.0	0.0	0.0	0.0	0.0	1794.0	1131.0	3925.0	-2.26	-1131.0	3925.0	10	-2.36	1359.0	1359.0	1359.0	1359.0	0.0
2	13	81.5	19.0	0.1	0.0	0.0	0.0	0.0	1154.3	727.7	1082.0	4.23	6813.3	-920.0	43	3.70	8091.0	8091.0	8091.0	8091.0	0.0
3	13	106.3	33.8	72.5	103.0	15.4	68.0	7920.0	1355.4	998.6	3336.0	4.15	6929.4	-6384.0	65	3.58	16011.0	9768.0	16243.0	16243.0	0.0
3	16	112.9	84.9	28.0	48.0	0.0	34.0	3060.0	2742.9	1477.1	3826.0	4.47	7448.4	-11334.0	72	2.75	27091.0	19071.0	9586.0	9482.0	0.0
4	13	119.9	140.2	0.0	0.0	0.0	0.0	0.0	2033.6	1769.4	4620.0	-3.56	-1769.4	-8500.4	17	-4.23	27091.0	17236.0	16093.0	16093.0	0.0
5	13	121.2	54.7	66.3	95.0	14.3	60.7	726.0	2870.6	1431.4	3795.0	2.75	5931.6	-12061.4	79	2.16	35154.0	28940.0	26420.0	26420.0	0.0
5	16	96.4	180.4	0.0	0.0	0.0	0.0	0.0	2872.2	1810.0	4693.0	-3.39	-1810.0	-9189.2	39	-3.62	35154.0	28940.0	9931.0	9931.0	0.0
6	13	87.8	39.2	57.8	82.6	12.4	70.2	6318.0	1417.4	893.6	2311.0	3.09	4907.8	-13196.2	69	2.57	41472.0	27924.0	13308.0	13308.0	0.0
6	13	83.0	54.8	28.7	41.0	6.2	34.8	3132.0	1908.7	1203.3	3112.0	29.8	1928.7	-10321.2	52	3.24	46864.0	31046.0	13308.0	13308.0	0.0
7	13	87.0	49.0	38.0	55.4	8.3	47.1	4239.0	1879.3	1184.7	3664.0	11.75	0.0	448.2	35	3.56	48645.0	34118.0	14733.0	14733.0	0.0
7	16	107.3	18.6	89.7	126.7	18.0	107.3	9693.0	1486.0	933.8	2413.0	7.98	0.0	1884.4	74	4.33	58336.0	36533.0	28813.0	28813.0	0.0
8	16	123.1	37.0	86.1	123.0	10.5	104.5	9495.0	1847.4	1164.6	3812.0	4.62	6240.4	-35846.2	96	3.90	77427.0	42899.0	33068.0	33068.0	0.0
9	13	115.4	48.4	67.8	95.7	14.4	81.3	7317.0	1380.0	873.0	2263.0	3.98	6442.0	-48109.2	74	3.00	84744.0	44982.0	48442.0	48442.0	0.0
9	13	115.4	117.2	0.0	0.0	0.0	0.0	0.0	2377.0	1486.0	3843.0	-2.59	-1486.0	-37433.2	78	3.82	84744.0	48145.0	36599.0	36599.0	0.0
10	16	104.6	29.2	75.4	107.7	16.2	91.5	8233.0	1366.3	861.5	2328.0	4.64	7373.5	-43758.2	82	3.97	92979.0	58373.0	45684.0	45684.0	0.0
10	16	83.0	0.2	0.0	0.0	0.0	0.0	0.0	2283.1	1380.9	3392.0	-2.60	-1380.9	-41547.1	91	0.87	92979.0	58373.0	33945.0	33945.0	0.0
11	13	49.9	50.0	0.0	0.0	0.0	0.0	0.0	1679.3	1898.7	2790.0	-2.11	-1898.7	-39867.8	2	0.00	92979.0	58373.0	36276.0	36276.0	0.0
11	13	27.9	111.6	0.0	0.0	0.0	0.0	0.0	1532.9	1842.1	5693.0	-3.19	-1532.9	-37391.1	22	1.74	92979.0	68039.0	52148.0	52148.0	0.0
12	16	23.0	101.2	0.0	0.0	0.0	0.0	0.0	2421.4	1326.6	3948.0	-2.86	-1326.6	-33256.8	28	3.49	92979.0	67462.0	25437.0	25437.0	0.0

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MES	DIRS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	FE	PH	DIR	SA	PUC-1	RUC-2	GDD	GDD	GT	FDR-2	FDR-3	ADP-1	RDR-2	RBC	RBC	RBC	RBC	RBC	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(1000000)	(1000000)	(1000000)	(mm ² /a)	(mm ² /a)	(1000000)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)	(mm ² /a)
1	13	21.2	0.9	12.4	17.7	2.7	15.8	1350.0	1009.1	895.9	1774.0	-0.24	-0.24	143.1	11	-44	1359.0	1359.0	1359.0	1359.0	0.0
1	16	49.3	60.6	8.0	0.0	0.0	0.0	0.0	1721.0	1695.0	2864.0	-2.03	-2.03	542.7	39	-2.42	1359.0	1359.0	1359.0	1359.0	0.0
2	13	59.4	54.2	0.0	0.0	0.0	0.0	0.0	1794.0	1131.0	3925.0	-2.26	-1131.0	3925.0	10	-2.36	1359.0	1359.0	1359.0	1359.0	0.0
2	13	81.5	19.0	0.1	0.0	0.0	0.0	0.0	1154.3	727.7	1082.0	4.23	6813.3	-920.0	43	3.70	8091.0	8091.0	8091.0	8091.0	0.0
3	13	106.3	33.8	72.5	103.0	15.4	68.0	7920.0	1355.4	998.6	3336.0	4.15	6929.4	-6384.0	65	3.58	16011.0	9768.0	16243.0	16243.0	0.0
3	16	112.9	84.9	28.0	48.0	0.0	34.0	3060.0	2742.9	1477.1	3826.0	4.47	7448.4	-11334.0	72	2.75	27091.0	19071.0	9586.0	9482.0	0.0
4	13	119.9	140.2	0.0	0.0	0.0	0.0	0.0	2033.6	1769.4	4620.0	-3.56	-1769.4	-8500.4	17	-4.23	27091.0	17236.0	16093.0	16093.0	0.0
5	13	121.2	54.7	66.3	95.0	14.3	60.7	726.0	2870.6	1431.4	3795.0	2.75	5931.6	-12061.4	79	2.16	35154.0	28940.0	26420.0	26420.0	0.0
5	16	96.4	180.4	0.0	0.0	0.0	0.0	0.0	2872.2	1810.0	4693.0	-3.39	-1810.0	-9189.2	39	-3.62	35154.0	28940.0	9931.0	9931.0	0.0
6	13	87.8	39.2	57.8	82.6	12.4	70.2	6318.0	1417.4	893.6	2311.0	3.09	4907.8	-13196.2	69	2.57	41472.0	27924.0	13308.0	13308.0	0.0
6	13	83.0	54.8	28.7	41.0	6.2	34.8	3132.0	1908.7	1203.3	3112.0	29.8	1928.7	-10321.2	52	3.24	46864.0	31046.0	13308.0	13308.0	0.0
7	13	87.0	49.0	38.0	55.4	8.3	47.1	4239.0	1879.3	1184.7	3664.0	11.75	0.0	448.2	35	3.56	48645.0	34118.0	14733.0	14733.0	0.0
7	16	107.3	18.6	89.7	126.7	18.0	107.3	9693.0	1486.0	933.8	2413.0	7.98	0.0	1884.4	74	4.33	58336.0	36533.0	28813.0	28813.0	0.0
8	16	123.1	37.0	86.1	123.0	10.5	104.5	9495.0	1847.4	1164.6	3812.0	4.62	6240.4	-35846.2	96	3.90	77427.0	42899.0	33068.0	33068.0	0.0
9	13	115.4	48.4	67.8	95.7	14.4	81.3	7317.0	1380.0	873.0	2263.0	3.98	6442.0	-48109.2	74	3.00	84744.0	44982.0	48442.0	48442.0	0.0
9	13	115.4	117.2	0.0	0.0	0.0	0.0	0.0	2377.0	1486.0	3843.0	-2.59	-1486.0	-37433.2	78	3.82	84744.0	48145.0	36599.0	36599.0	0.0
10	16	104.6	29.2	75.4	107.7	16.2	91.5	8233.0	1366.3	861.5	2328.0	4.64	7373.5	-43758.2	82	3.97	92979.0	58373.0	45684.0	45684.0	0.0
10	16	83.0	0.2	0.0	0.0	0.0	0.0	0.0	2283.1	1380.9	3392.0	-2.60	-1380.9	-41547.1	91	0.87	92979.0	58373.0	33945.0	33945.0	0.0
11	13	49.9	50.0	0.0	0.0	0.0	0.0	0.0	1679.3	1898.7	2790.0	-2.11	-1898.7	-39867.8	2	0.00	92979.0	58373.0	36276.0	36276.0	0.0
11	13	27.9	111.6	0.0	0.0	0.0	0.0	0.0	1532.9	1842.1	5693.0	-3.19	-1532.9	-37391.1	22	1.74	92979.0	68039.0	52148.0	52148.0	0.0
12	16	23.0	101.2	0.0	0.0	0.0	0.0	0.0	2421.4	1326.6	3948.0	-2.86	-1326.6	-33256.8	28	3.49	92979.0	67462.0	25437.0	25437.0	0.0

MES	DIAS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RMP	DTA	PA	RUC-1	RUC-2	GDD	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADP-1	ADP-2	ADP	(7)RAC	(10)RAC	(19)RAC
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)
1	15	21.3	51.6	0.0	0.0	0.0	0.0	0.0	1897.2	1109.8	3097.0	-3077.0	-2.37	-1109.8	1897.2	840.4	-65	-3.82	721.0	0.0	0.0
2	13	81.5	47.4	34.1	48.7	0.0	0.0	0.0	2498.1	1298.4	3398.0	-3637.0	-1.91	-377.4	3946.6	75.6	-85	-1.96	721.0	0.0	0.0
3	15	106.3	21.2	104.1	148.7	22.3	126.4	6848.0	1491.7	942.3	2437.0	6411.0	-3.14	-1574.9	6444.9	1218.0	-94	-4.00	721.0	0.0	0.0
4	15	112.9	21.6	110.4	157.4	23.6	133.8	5266.0	1311.3	855.7	2136.0	7228.0	-1.13	-1721.4	6393.9	396.6	-27	-4.40	3619.0	0.0	0.0
5	15	116.7	0.0	116.7	166.7	25.0	143.1	9919.0	1031.8	650.0	1631.0	8230.0	6.34	9263.0	-15209.1	936.6	-72	4.23	12467.0	6836.0	6411.0
6	15	119.9	4.2	111.7	159.6	24.0	135.4	3492.0	1277.6	605.4	2081.0	7497.0	5.72	8896.6	-22696.1	1009.9	-70	4.94	41244.0	11930.0	28266.0
7	15	121.2	209.0	0.0	0.0	0.0	0.0	0.0	3084.8	2575.2	6660.0	-6660.0	-5.14	-2575.2	-18611.3	1860.6	-1.46	-6.30	41244.0	10610.0	28266.0
8	15	96.4	64.8	32.4	45.3	7.0	39.3	2731.0	1097.0	1196.0	3093.0	-342.0	-1.25	1553.0	-18269.3	2991.7	-48	-1.48	43995.0	21711.0	22284.0
9	15	87.8	32.8	35.0	39.0	6.0	42.3	2375.0	1190.4	1900.2	5147.0	-2172.0	-1.08	994.0	-16997.3	215.0	-24	-1.92	45978.0	36839.0	30112.0
10	15	83.3	35.5	28.0	40.0	6.0	34.0	2308.0	1904.4	1200.6	3105.0	-725.0	-1.56	1179.4	-15377.3	252.0	-19	-1.73	49358.0	20962.0	19407.0
11	15	87.8	32.8	35.0	39.0	6.0	42.3	2375.0	1190.4	1900.2	5147.0	-2172.0	-1.08	994.0	-16997.3	215.0	-24	-1.92	45978.0	36839.0	30112.0
12	15	83.3	35.5	28.0	40.0	6.0	34.0	2308.0	1904.4	1200.6	3105.0	-725.0	-1.56	1179.4	-15377.3	252.0	-19	-1.73	49358.0	20962.0	19407.0
13	15	115.4	104.2	11.2	18.0	2.4	13.6	952.0	2376.7	1498.3	3075.0	-2923.0	-2.26	-536.3	-9436.9	100.0	-0.0	-2.34	68837.0	58194.0	18443.0
14	15	114.6	67.2	47.4	67.7	10.2	57.5	4025.0	2164.7	1377.3	3562.0	463.0	-3.61	-1927.1	-2992.3	1407.0	1.09	-6.05	6082.0	6810.0	4681.0
15	15	83.8	170.4	0.0	0.0	0.0	0.0	0.0	3054.9	1927.1	4824.0	-6425.0	-4.96	-2494.3	-5949.2	426.9	-33	-4.44	64822.0	54822.0	81.0
16	15	49.9	204.4	0.0	0.0	0.0	0.0	0.0	3611.9	2277.1	3889.0	-5889.0	-4.54	-2277.1	219.6	3244.3	2.50	-7.04	64822.0	64822.0	0.0
17	15	27.9	92.0	0.0	0.0	0.0	0.0	0.0	2168.1	1366.9	3535.0	-3335.0	-2.73	-1366.9	2007.7	1346.1	-3.77	-6.86	64822.0	64822.0	0.0
18	15	33.3	173.2	0.0	0.0	0.0	0.0	0.0	2611.9	2277.1	3889.0	-5889.0	-4.54	-2277.1	649.9	2937.9	2.27	-6.01	64822.0	64822.0	0.0
19	15	25.0	87.0	0.0	0.0	0.0	0.0	0.0	2244.2	1414.0	3037.0	-3037.0	-2.65	-1414.0	8743.0	1302.0	-1.94	-3.59	64822.0	64822.0	0.0

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MES	DIAS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RMP	DTA	PA	RUC-1	RUC-2	GDD	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADP-1	ADP-2	ADP	(7)RAC	(10)RAC	(19)RAC
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)
1	15	21.2	88.4	0.0	0.0	0.0	0.0	0.0	1783.0	1124.0	4907.0	-5207.0	-2.24	-1124.0	1703.0	1242.2	-86	-3.20	0.0	0.0	0.0
2	15	39.4	27.6	31.0	45.4	4.0	38.0	2792.0	1400.0	933.0	2413.0	209.0	-0.22	1769.0	3286.0	205.6	-22	0.00	2702.0	2413.0	289.0
3	16	112.8	14.9	9.9	133.9	21.0	118.9	8323.0	1787.3	768.0	1988.0	6592.0	5.16	7011.3	-5652.2	310.3	-31	1.49	6894.0	5603.0	256.0
4	15	116.7	170.0	0.0	0.0	0.0	0.0	0.0	3710.1	2286.9	6849.0	-6049.0	-4.67	-2338.9	-7351.1	1176.1	-64	4.45	16779.0	7351.0	9228.0
5	16	96.4	64.8	32.4	45.3	6.0	39.3	2731.0	1771.3	1116.7	2680.0	-2507.0	-1.18	1584.3	-10478.1	203.5	-21	3.42	41972.0	22956.0	19915.0
6	15	87.8	32.8	35.0	39.0	6.0	42.3	2375.0	1019.3	2636.0	2173.0	1.60	3189.7	-20645.1	646.0	39	1.39	46423.0	27000.0	21882.0	
7	16	107.3	54.6	52.7	75.7	11.1	64.0	4468.0	1324.7	961.3	2486.0	3635.0	2.00	3749.7	-24270.1	646.0	38	2.30	53574.0	30866.0	23987.0
8	15	116.0	25.4	1.4	102.3	19.9	112.4	7068.0	1577.5	994.5	2572.0	5296.0	4.09	6873.5	-29716.1	933.7	-64	2.45	70305.0	34422.0	30933.0
9	15	114.6	44.2	70.4	100.6	15.1	85.5	5595.0	2344.8	1470.2	3823.0	2162.0	1.67	4506.6	-40044.1	959.7	-46	7.75	76454.0	18337.0	32813.0
10	15	104.6	74.4	39.2	93.1	6.3	26.6	2822.0	1016.1	1207.9	3124.0	-562.0	-0.43	1254.1	-33948.1	270.9	-24	-1.04	80339.0	32349.0	48719.0
11	15	49.9	147.5	0.0	0.0	0.0	0.0	0.0	2986.3	1882.7	4869.0	-4869.0	-3.76	-1882.7	78091.0	2049.6	1.20	-5.34	97216.0	60980.0	36236.0
12	15	33.3	81.0	0.0	0.0	0.0	0.0	0.0	1476.3	930.7	2407.0	-2407.0	-1.66	-930.7	-35037.5	733.9	-39	-2.44	97216.0	63307.0	33029.0
13	15	25.0	216.2	0.0	0.0	0.0	0.0	0.0	2534.6	1421.4	3676.0	-3676.0	-2.84	-1421.4	-35130.9	1010.5	-79	-0.60	97216.0	67063.0	30133.0
14	15	25.0	216.2	0.0	0.0	0.0	0.0	0.0	4493.2	2678.0	6926.0	-6926.0	-5.01	-2678.0	-20981.7	4015.2	-2.90	-7.51	97216.0	77991.0	32325.0

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MES	DAYS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
		ET	PE	RNR	DIR	RR	RUC-1	RUC-2	GDD	GDD	LT	FDR-1	FDR-2	FDR-3	CDP	ABR-1	ABR-2	ABC	(7)RAC	(10)RAC	(11)RAC	
		(mm)	(mm)	(mm)	(mm)	(%)	(mm)	(mm)	(1000mm)	(1000mm)	(mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(%)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)
1	15	21.2	33.4	0.0	0.0	0.0	0.0	0.0	1918.5	1120.9	2099.0	-2099.0	-2.49	-1294.5	1910.5	555.3	.26	-2.69	0.0	0.0	0.0	0.0
2	16	48.5	43.6	0.0	0.0	0.0	0.0	0.0	1778.1	1120.9	2099.0	-2099.0	-2.18	-1128.5	3600.6	63.1	-.65	-2.15	0.0	0.0	0.0	0.0
3	15	39.4	0.0	59.4	84.3	12.0	72.1	5847.8	1284.3	761.7	1978.0	3877.0	2.37	4283.3	611.6	333.5	.41	1.56	5847.8	1978.0	3877.0	0.0
4	16	81.5	181.5	6.0	0.0	0.0	0.0	0.0	2342.3	1682.7	4145.0	-4145.0	-3.43	-1682.7	3153.9	428.0	.33	-3.78	5847.8	8047.8	0.0	0.0
5	15	106.2	61.0	44.3	53.6	3.6	54.0	3780.9	2821.5	1274.5	3296.0	484.0	.37	2395.5	2657.9	481.3	.31	.64	8827.8	8843.8	484.0	0.0
6	16	132.0	65.0	35.0	71.4	18.7	68.7	4245.8	2375.1	1495.9	3784.0	3784.0	.27	2745.1	2295.9	489.4	.33	-.86	13974.8	12821.8	884.0	0.0
7	15	115.4	63.6	53.1	75.9	11.4	68.7	5289.8	1777.4	1128.6	3996.0	1617.0	1.25	3394.4	682.9	478.0	.37	.88	17591.0	15128.0	2871.0	0.0
8	16	131.2	28.4	198.0	144.0	21.6	122.4	8660.0	1821.3	1822.3	2644.0	3924.0	4.57	7895.7	-7897.1	987.2	.78	3.97	31867.0	21136.0	18331.0	0.0
9	16	187.3	57.6	49.7	71.9	10.7	66.3	4221.0	2712.8	1716.2	4237.0	-282.0	-1.15	510.8	-7359.3	447.3	.32	-.47	49735.0	39253.0	18482.0	0.0
10	16	161.0	181.2	14.0	21.1	2.3	17.9	1353.8	2388.7	1696.3	4387.0	-3134.0	-2.42	-445.3	-4657.4	132.3	.18	-2.52	58988.0	43649.0	7348.0	0.0
11	15	27.9	79.2	0.0	0.0	0.0	0.0	0.0	1567.6	1248.4	408.0	-3288.0	-2.48	-1248.4	-1711.5	1877.3	.83	-3.31	63888.0	47827.0	11883.0	0.0
12	16	33.3	138.8	0.0	0.0	0.0	0.0	0.0	3386.8	2133.2	5522.0	-5522.0	-4.16	-2133.2	1675.3	2215.5	1.71	-3.97	63888.0	63888.0	63888.0	0.0
		23.0	78.0	0.0	0.0	0.0	0.0	0.0	2882.7	1691.3	4374.0	-4374.0	-3.16	-1691.3	4388.6	961.0	.70	-3.86	63888.0	63888.0	63888.0	0.0

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MES	DAYS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
		ET	PE	RNR	DIR	RR	RUC-1	RUC-2	GDD	GDD	LT	FDR-1	FDR-2	FDR-3	CDP	ABR-1	ABR-2	ABC	(7)RAC	(10)RAC	(11)RAC	
		(mm)	(mm)	(mm)	(mm)	(%)	(mm)	(mm)	(1000mm)	(1000mm)	(mm)	(1000mm)	(mm)	(mm)	(1000mm)	(1000mm)	(%)	(mm)	(mm)	(1000mm)	(1000mm)	(1000mm)
1	15	21.2	40.5	5.4	7.7	0.0	0.0	0.0	1774.4	1118.6	2093.0	-2438.0	-1.88	-663.6	1724.4	46.3	.84	-1.92	455.0	455.0	455.0	0.0
2	13	55.4	125.8	0.0	0.0	0.0	0.0	0.0	2622.0	1633.0	4275.0	-4275.0	-3.89	-1633.0	4396.4	464.1	.34	-3.43	455.0	455.0	455.0	0.0
3	15	186.2	182.8	2.5	3.5	17.3	18.1	4862.0	2848.3	1788.7	4631.0	-4421.0	-3.41	-1588.7	1826.0	72.1	.82	-3.43	1624.0	1624.0	1624.0	0.0
4	15	115.9	89.2	11.2	16.1	2.4	13.1	219.0	3129.8	1973.2	5183.0	-5183.0	-3.94	-1973.2	7926.2	1394.4	1.80	-5.82	455.0	455.0	455.0	0.0
5	16	94.4	116.9	11.6	13.4	28.3	15.1	8857.0	1188.4	711.6	1824.0	1618.0	-2.43	-885.5	9789.7	188.8	.69	-2.52	1414.0	1414.0	1414.0	0.0
6	15	87.0	83.5	35.2	35.4	5.4	38.5	2133.0	2432.7	1534.3	3958.0	-1833.0	-1.41	688.7	-3848.0	788.6	.53	2.49	8491.0	4319.0	4178.0	0.0
7	16	87.3	91.6	78.0	181.1	15.2	85.9	6813.0	1317.4	838.6	1623.0	7974.0	6.15	8969.4	474.0	1816.4	.78	5.37	18888.0	9336.0	12192.0	0.0
8	16	107.3	93.6	13.7	19.5	3.8	16.6	1462.0	2121.5	1337.5	3458.0	-2297.0	-1.66	-1925.4	-18913.0	636.3	.49	2.49	48832.0	24231.0	28339.0	0.0
9	15	116.0	31.0	94.2	128.3	18.1	102.2	2154.0	1644.3	1826.7	2681.0	4473.0	3.45	6137.3	-13264.5	758.1	.88	2.87	57149.0	29433.0	27715.0	0.0
10	16	123.1	33.8	99.3	127.6	19.2	188.4	2398.0	2394.9	1598.1	4133.0	3455.0	2.59	5995.9	-18719.5	884.3	.59	1.92	64751.0	33565.0	31778.0	0.0
11	15	114.6	89.2	25.6	38.3	5.5	38.6	2128.0	2853.6	1786.4	4688.0	-2464.0	-1.98	389.6	-15296.5	228.7	.18	-2.89	63888.0	42218.0	27747.0	0.0
12	16	104.5	33.8	31.8	45.4	6.0	38.6	2782.0	3848.8	2435.2	6222.0	-6222.0	-4.84	-2435.2	-11459.7	635.2	.51	-3.35	63888.0	48898.0	21475.0	0.0
13	15	49.5	139.0	0.0	0.0	0.0	0.0	0.0	3396.4	2267.4	5864.0	-5864.0	-4.52	-2267.4	-7688.1	1871.1	1.44	-5.95	78667.0	32211.0	18846.0	0.0
14	15	27.9	148.6	0.0	0.0	0.0	0.0	0.0	2880.4	1511.6	3382.0	-3382.0	-2.62	-1311.6	-3687.7	1894.1	.84	-3.66	78667.0	68813.0	7844.0	0.0
15	16	23.0	124.4	0.0	0.0	0.0	0.0	0.0	2743.4	1788.6	4473.0	-4473.0	-3.48	-1743.9	-3841.6	2421.3	1.87	-3.32	72667.0	68123.0	7844.0	0.0
16	16	23.0	124.4	0.0	0.0	0.0	0.0	0.0	2743.4	1788.6	4473.0	-4473.0	-3.48	-1743.9	-3841.6	2421.3	1.81	-4.75	72667.0	68846.0	69846.0	0.0

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MES	DIAS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
		ET	PE	PHR	DTR	PR	PUC-1	PUC-2	GDD	GDD	CT	FDR-1	FDR-2	FDR-3	GDP	FDR-3	GDP	ADR-1	ADR-2	ADR-3	(19)	(20)		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1	13	21.2	95.9	8.9	8.0	0.0	0.0	0.0	2353.2	1421.8	3572.8	-2.84	-1421.8	2353.2	1421.8	3572.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8	1421.8
2	13	81.5	31.4	48.1	57.7	0.0	0.0	0.0	1876.1	1876.1	4852.0	-3.51	-1876.1	1876.1	4852.0	1876.1	4852.0	1876.1	1876.1	1876.1	1876.1	1876.1	1876.1	1876.1
3	16	112.8	7.6	103.2	159.7	22.6	48.7	3408.0	1893.4	1193.6	3087.0	-2.35	-1193.6	7124.5	1193.6	3087.0	7124.5	7124.5	7124.5	7124.5	7124.5	7124.5	7124.5	7124.5
4	13	115.9	131.4	81.8	0.0	0.0	0.0	0.0	1833.2	1833.2	4741.0	-3.66	-1833.2	1833.2	4741.0	1833.2	4741.0	1833.2	1833.2	1833.2	1833.2	1833.2	1833.2	1833.2
5	16	56.4	67.8	20.6	48.8	12.7	188.0	888.0	1599.6	1088.4	2608.0	3.19	993.1	6651.2	1599.6	1088.4	6651.2	6651.2	6651.2	6651.2	6651.2	6651.2	6651.2	6651.2
6	13	83.5	6.6	76.9	108.9	16.5	59.4	6398.0	2312.9	1418.1	3771.0	-1.97	978.9	4473.0	2312.9	1418.1	4473.0	4473.0	4473.0	4473.0	4473.0	4473.0	4473.0	4473.0
7	14	87.8	24.2	63.6	98.9	13.7	77.2	5404.0	1383.1	871.9	2255.0	2.43	432.1	14466.2	1383.1	871.9	14466.2	14466.2	14466.2	14466.2	14466.2	14466.2	14466.2	14466.2
8	16	116.6	52.9	63.1	98.1	13.5	76.6	5562.0	1779.9	1122.1	2982.0	1.90	429.9	22466.2	1779.9	1122.1	22466.2	22466.2	22466.2	22466.2	22466.2	22466.2	22466.2	22466.2
9	13	113.4	34.8	78.6	115.1	17.3	87.0	6845.0	1855.9	1178.1	3026.0	2.95	567.9	23788.9	1855.9	1178.1	23788.9	23788.9	23788.9	23788.9	23788.9	23788.9	23788.9	23788.9
10	16	83.8	47.2	37.4	82.0	12.3	89.7	4879.0	1622.2	795.8	2821.0	2.18	489.2	22689.9	1622.2	795.8	22689.9	22689.9	22689.9	22689.9	22689.9	22689.9	22689.9	22689.9
11	13	49.9	184.4	8.6	8.0	0.0	0.0	0.0	2728.1	1719.9	4448.0	-3.43	-1719.9	18476.2	1719.9	4448.0	18476.2	18476.2	18476.2	18476.2	18476.2	18476.2	18476.2	18476.2
12	16	25.6	41.7	8.0	0.0	0.0	0.0	0.0	4285.0	2631.0	6856.0	-5.29	-2631.0	12125.0	2631.0	6856.0	12125.0	12125.0	12125.0	12125.0	12125.0	12125.0	12125.0	12125.0

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MES	DIAS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1	13	21.2	36.8	10.9	15.8	0.0	0.0	0.0	1587.2	1587.2	2598.0	-2.00	-1587.2	1587.2	2598.0	1587.2	2598.0	1587.2	1587.2	1587.2	1587.2	1587.2	1587.2
2	13	81.5	21.2	68.5	97.9	14.5	46.4	3246.0	1310.1	782.9	1973.0	0.98	2485.1	1980.8	1310.1	782.9	1980.8	1980.8	1980.8	1980.8	1980.8	1980.8	1980.8
3	16	115.9	18.6	93.4	133.4	20.0	115.4	7338.0	1118.1	699.9	1818.0	4.80	7434.1	8353.2	1118.1	699.9	8353.2	8353.2	8353.2	8353.2	8353.2	8353.2	8353.2
4	13	116.7	0.0	116.7	166.7	25.0	141.7	9819.0	681.3	1335.0	8344.0	6.45	9317.7	22918.2	681.3	1335.0	22918.2	22918.2	22918.2	22918.2	22918.2	22918.2	22918.2
5	16	96.4	77.5	18.9	28.9	4.1	28.6	1596.0	1873.7	1084.6	302.0	2.66	518.2	39281.2	1873.7	1084.6	39281.2	39281.2	39281.2	39281.2	39281.2	39281.2	39281.2
6	13	83.5	13.8	69.7	99.6	15.0	84.6	5922.0	1102.2	694.9	1797.0	3.18	5327.2	39738.2	1102.2	694.9	39738.2	39738.2	39738.2	39738.2	39738.2	39738.2	39738.2
7	15	107.3	44.8	58.3	53.3	12.5	78.8	4956.0	1918.5	1269.5	1828.0	1.32	346.5	46440.2	1918.5	1269.5	46440.2	46440.2	46440.2	46440.2	46440.2	46440.2	46440.2
8	16	133.1	37.2	89.9	122.7	18.4	104.3	7301.0	1612.5	1016.5	2429.0	3.18	6384.5	46379.7	1612.5	1016.5	46379.7	46379.7	46379.7	46379.7	46379.7	46379.7	46379.7
9	15	114.6	113.2	1.4	2.0	3.0	1.7	119.0	2486.2	1535.8	3972.0	-2.47	-1416.8	47295.5	1535.8	3972.0	47295.5	47295.5	47295.5	47295.5	47295.5	47295.5	47295.5
10	16	83.8	166.4	8.0	1.1	0.2	0.0	0.0	3312.0	2088.0	5408.0	-4.17	-2088.0	43983.3	2088.0	5408.0	43983.3	43983.3	43983.3	43983.3	43983.3	43983.3	43983.3
11	15	27.9	196.8	0.0	0.0	0.0	0.0	0.0	3353.7	2114.3	5468.0	-4.22	-2114.3	38440.8	2114.3	5468.0	38440.8	38440.8	38440.8	38440.8	38440.8	38440.8	38440.8
12	16	25.6	164.4	0.0	0.0	0.0	0.0	0.0	3672.0	2315.8	5987.0	-4.52	-2315.8	30889.7	2315.8	5987.0	30889.7	30889.7	30889.7	30889.7	30889.7	30889.7	30889.7

MES DIBS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	ET	PE	RHR	DTR	PP	PUC-1	FUC-2	GDD	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADR-1	ADR-2	ADC	(71)RC	(11)JAC	(20)
	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)
1	16	48.5	0.0	0.0	0.0	0.0	0.0	1615.7	1019.3	2625.0	-2538.0	-2.09	-1019.3	1616.7	466.2	-36	-2.39	0.0	0.0	0.0
2	14	81.5	2.8	2.9	0.0	2.4	160.0	1819.1	1146.9	2966.0	-2798.0	-2.19	-1786.1	3291.7	212.1	-15	-2.34	0.0	0.0	0.0
3	18	112.8	6.6	89.9	13.9	76.4	5346.0	1794.6	1524.2	3942.0	-3942.0	-3.26	-1524.2	7749.5	58.7	-88	-3.34	168.0	168.0	0.0
4	13	116.7	47.0	99.6	13.0	64.6	5922.0	1824.6	1073.4	2776.0	3146.0	2.43	484.0	-5087.5	367.0	-44	1.43	5516.0	3894.0	2422.0
5	13	115.9	43.2	107.9	15.6	66.3	6481.0	1813.6	1143.4	2937.0	3224.0	2.49	5037.6	-8231.5	637.0	-68	1.96	26642.0	1744.8	12717.0
6	15	87.0	85.2	34.8	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
7	15	87.8	85.8	31.1	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
8	15	87.8	85.8	31.1	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
9	15	87.8	85.8	31.1	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
10	15	87.8	85.8	31.1	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
11	15	87.8	85.8	31.1	103.9	81.3	5691.0	1688.2	1851.7	2748.0	4693.0	2.12	4629.2	-12924.5	783.4	-44	3.01	34923.0	1621.0	26634.0
12	16	25.0	13.4	11.6	2.5	14.1	987.0	1208.9	571.1	1958.0	-971.0	-2.26	-1120.3	-28719.8	472.5	-36	-2.62	85463.8	33638.0	31083.0

41717.6 26300.4 68018.0

MES DIBS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	ET	PE	RHR	DTR	PP	PUC-1	FUC-2	GDD	GDD	CT	FDR-1	FDR-2	FDR-3	CDP	ADR-1	ADR-2	ADC	(71)RC	(11)JAC	(20)
	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)	(x100)
1	16	48.5	0.0	0.0	0.0	0.0	0.0	1491.5	883.5	2485.0	-2285.0	-1.76	-883.5	1491.5	185.4	-88	-1.84	0.0	0.0	0.0
2	13	61.5	24.6	56.9	14.2	42.4	4837.0	1478.1	331.4	2410.0	-2270.0	-1.64	-791.9	2879.6	14.7	81	-1.65	148.0	148.0	0.0
3	16	112.0	14.4	98.4	21.1	119.5	6365.0	1895.7	659.3	1285.0	1537.0	3.52	8282.7	-8888.4	938.7	-72	4.88	16793.0	593.0	10958.0
4	15	116.7	38.9	95.9	18.4	164.7	7361.0	1468.4	886.6	2297.0	3088.0	3.86	6414.4	-1941.4	722.0	-68	3.26	32439.0	18039.0	22421.0
5	16	96.4	136.5	104.8	21.5	135.3	9485.0	1391.0	876.2	3266.0	7212.0	5.37	8688.8	-21442.2	1883.8	-77	4.88	41944.0	21138.0	28886.0
6	15	93.5	24.9	97.9	12.5	72.2	3054.0	1476.3	936.7	2487.0	4483.0	2.84	4128.3	-24985.9	688.4	-33	1.63	48376.0	28716.0	19634.0
7	16	107.3	41.6	65.7	16.1	75.8	5286.0	1891.4	1133.5	2437.0	324.0	-29	2775.4	-52359.0	388.7	-27	-82	56235.0	34688.0	26875.0
8	16	123.1	61.0	62.1	12.3	75.4	5278.0	2294.9	1412.1	3632.0	1626.0	1.18	3865.9	-27918.9	538.6	-48	-78	71337.0	37424.9	24877.0
9	15	114.6	14.4	108.2	14.3	121.6	9312.0	1788.7	1877.3	2786.0	3166.0	3.99	6874.7	-34084.9	842.1	-65	3.34	79289.0	47889.0	31986.0
10	15	104.6	91.6	13.8	18.8	96.2	6859.0	2022.2	1274.8	3297.0	-2191.0	-1.69	-146.8	-38589.7	117.6	-91	-1.15	56839.0	28951.0	25198.0
11	15	27.9	18.6	8.0	0.0	0.0	0.0	2266.0	1391.2	3588.0	-3588.0	-2.78	-1391.2	-39756.9	228.5	-17	-2.95	94976.0	95462.8	33514.8
12	16	25.0	13.4	11.6	2.5	14.1	987.0	1208.9	571.1	1958.0	-971.0	-2.26	-1120.3	-28719.8	472.5	-36	-2.62	85463.8	33638.0	31083.0

43266.1 31877.5 88374.0

MES DIAE	(1) ET (mo)	(2) PE (mo)	(3) RHP (mo)	(4) DIA (mo)	(5) RR (mo)	(6) RUC-1 (mo)	(7) RUC-2 (mo)	(8) GDD (mo)	(9) GDD (mo)	(10) GT (mo)	(11) FDR-1 (mo)	(12) FDR-2 (mo)	(13) FDR-3 (mo)	(14) GDP (mo)	(15) ADP-1 (mo)	(16) ADP-2 (mo)	(17) ADC (mo)	(18) (77)AC (mo)	(19) (10)AC (mo)	(20) (11)AC (mo)	
1	15	21.2	8.9	17.7	2.7	12.0	1636.8	1889.1	695.9	1774.8	-724.8	-2.32	-1085.6	724.8	311.2	0.9	-65	1850.8	1850.8	0.8	
2	15	81.5	19.9	80.1	13.2	74.5	5243.8	1731.8	1085.8	2886.8	-2886.8	-2.32	-1085.6	2445.8	422.1	0.1	-2.54	1850.8	1850.8	0.8	
3	15	186.3	32.8	22.5	12.4	88.8	6180.8	1555.4	980.6	3235.8	3624.8	2.88	3179.4	-3745.8	552.1	-38	2.28	1850.8	1850.8	0.8	
4	15	116.7	36.0	80.7	17.3	98.0	6888.8	1858.4	1371.6	3838.8	2.96	3688.8	-3136.8	726.6	2.48	2.48	21592.8	12318.8	9375.8	0.8	
5	15	131.9	48.2	84.8	8.8	8.8	148.2	2770.6	1431.4	3702.8	-4620.8	-3.56	-1786.4	678.3	-32	-4.88	21592.8	16338.8	4783.8	0.8	
6	15	106.4	8.8	8.8	8.8	8.8	2872.2	1010.8	4683.8	-4683.8	-3.59	-1010.8	-1377.2	252.6	1.46	1.84	2742.8	28648.8	6782.8	0.8	
7	15	97.8	29.2	57.8	32.4	78.2	4916.8	1417.4	893.6	2311.8	2889.8	2.91	4938.4	328.8	0.8	1.61	32256.8	27394.8	4622.8	0.8	
8	15	93.5	54.8	28.7	41.8	34.8	2486.8	1988.7	1282.3	3112.8	-2884.2	-2.52	-1332.7	-3384.2	298.3	2.8	-1.72	34892.8	38745.8	5846.8	0.8
9	15	82.8	49.8	38.8	8.3	107.1	3297.8	1879.3	194.7	3664.8	233.8	1.8	2112.3	-3537.2	348.6	0.9	0.9	38989.8	32818.8	4179.8	0.8
10	15	187.3	18.4	88.7	15.8	87.7	7559.8	1488.8	933.8	2412.8	5126.8	3.71	6586.8	-8663.2	798.8	0.8	3.18	45328.8	38828.8	8885.8	0.8
11	15	184.6	29.2	75.4	16.2	91.5	6485.8	1346.5	821.5	2228.8	4177.8	2.22	3543.5	-23888.2	678.3	0.8	2.78	72317.8	58872.8	22244.8	0.8
12	15	116.9	29.2	84.8	18.5	184.5	7378.8	1525.8	1387.1	3592.8	-3592.8	-2.68	-1388.3	-28888.2	711.4	0.8	-2.65	72317.8	53685.8	18632.8	0.8
13	15	49.9	58.8	8.8	8.8	8.8	8.8	1679.3	1638.7	2738.8	-2738.8	-2.11	-1838.7	-19288.8	2.1	0.8	-2.11	72317.8	56483.8	1934.8	0.8
14	15	27.9	111.6	8.8	8.8	8.8	8.8	2336.7	1599.3	4136.8	-4136.8	-3.15	-1839.3	-16669.1	1757.7	1.36	-4.55	72317.8	68339.8	11778.8	0.8
15	15	39.3	44.8	8.8	8.8	8.8	8.8	1852.8	1842.1	3588.8	-3588.8	-2.88	-1842.1	-18816.2	227.2	1.18	-2.88	72317.8	62234.8	9882.8	0.8
16	15	251.8	181.3	8.8	8.8	8.8	8.8	2421.4	1826.6	3948.8	-3948.8	-2.88	-1826.6	-12994.8	1888.2	1.18	-4.82	72317.8	67182.8	5135.8	0.8

45164.8 28473.8 73637.8

50183.3 34188.7 48212.8

MES DIAE	(1) ET (mo)	(2) PE (mo)	(3) RHP (mo)	(4) DIA (mo)	(5) RR (mo)	(6) RUC-1 (mo)	(7) RUC-2 (mo)	(8) GDD (mo)	(9) GDD (mo)	(10) GT (mo)	(11) FDR-1 (mo)	(12) FDR-2 (mo)	(13) FDR-3 (mo)	(14) GDP (mo)	(15) ADP-1 (mo)	(16) ADP-2 (mo)	(17) ADC (mo)	(18) (77)AC (mo)	(19) (10)AC (mo)	(20) (11)AC (mo)	
1	15	21.2	8.9	17.7	2.7	12.0	1636.8	1889.1	695.9	1774.8	-724.8	-2.32	-1085.6	724.8	311.2	0.9	-65	1850.8	1850.8	0.8	
2	15	81.5	19.9	80.1	13.2	74.5	5243.8	1731.8	1085.8	2886.8	-2886.8	-2.32	-1085.6	2445.8	422.1	0.1	-2.54	1850.8	1850.8	0.8	
3	15	186.3	32.8	22.5	12.4	88.8	6180.8	1555.4	980.6	3235.8	3624.8	2.88	3179.4	-3745.8	552.1	-38	2.28	1850.8	1850.8	0.8	
4	15	116.7	36.0	80.7	17.3	98.0	6888.8	1858.4	1371.6	3838.8	2.96	3688.8	-3136.8	726.6	2.48	2.48	21592.8	12318.8	9375.8	0.8	
5	15	131.9	48.2	84.8	8.8	8.8	148.2	2770.6	1431.4	3702.8	-4620.8	-3.56	-1786.4	678.3	-32	-4.88	21592.8	16338.8	4783.8	0.8	
6	15	106.4	8.8	8.8	8.8	8.8	2872.2	1010.8	4683.8	-4683.8	-3.59	-1010.8	-1377.2	252.6	1.46	1.84	2742.8	28648.8	6782.8	0.8	
7	15	97.8	29.2	57.8	32.4	78.2	4916.8	1417.4	893.6	2311.8	2889.8	2.91	4938.4	328.8	0.8	1.61	32256.8	27394.8	4622.8	0.8	
8	15	93.5	54.8	28.7	41.8	34.8	2486.8	1988.7	1282.3	3112.8	-2884.2	-2.52	-1332.7	-3384.2	298.3	2.8	-1.72	34892.8	38745.8	5846.8	0.8
9	15	82.8	49.8	38.8	8.3	107.1	3297.8	1879.3	194.7	3664.8	233.8	1.8	2112.3	-3537.2	348.6	0.9	0.9	38989.8	32818.8	4179.8	0.8
10	15	187.3	18.4	88.7	15.8	87.7	7559.8	1488.8	933.8	2412.8	5126.8	3.71	6586.8	-8663.2	798.8	0.8	3.18	45328.8	38828.8	8885.8	0.8
11	15	184.6	29.2	75.4	16.2	91.5	6485.8	1346.5	821.5	2228.8	4177.8	2.22	3543.5	-23888.2	678.3	0.8	2.78	72317.8	58872.8	22244.8	0.8
12	15	116.9	29.2	84.8	18.5	184.5	7378.8	1525.8	1387.1	3592.8	-3592.8	-2.68	-1388.3	-28888.2	711.4	0.8	-2.65	72317.8	53685.8	18632.8	0.8
13	15	49.9	58.8	8.8	8.8	8.8	8.8	1679.3	1638.7	2738.8	-2738.8	-2.11	-1838.7	-19288.8	2.1	0.8	-2.11	72317.8	56483.8	1934.8	0.8
14	15	27.9	111.6	8.8	8.8	8.8	8.8	2336.7	1599.3	4136.8	-4136.8	-3.15	-1839.3	-16669.1	1757.7	1.36	-4.55	72317.8	68339.8	11778.8	0.8
15	15	39.3	44.8	8.8	8.8	8.8	8.8	1852.8	1842.1	3588.8	-3588.8	-2.88	-1842.1	-18816.2	227.2	1.18	-2.88	72317.8	62234.8	9882.8	0.8
16	15	251.8	181.3	8.8	8.8	8.8	8.8	2421.4	1826.6	3948.8	-3948.8	-2.88	-1826.6	-12994.8	1888.2	1.18	-4.82	72317.8	67182.8	5135.8	0.8

MES DIRS	(1) (MS)	(2) PE (MS)	(3) PMP (MS)	(4) DTR (MS)	(5) SE (MS)	(6) RUC (MS)	(7) RUC (MS)	(8) RUC (MS)	(9) RUC (MS)	(10) RUC (MS)	(11) RUC (MS)	(12) RUC (MS)	(13) RUC (MS)	(14) RUC (MS)	(15) RUC (MS)	(16) RUC (MS)	(17) RUC (MS)	(18) RUC (MS)	(19) RUC (MS)	(20) RUC (MS)
1	15	21.2	61.6	0.0	0.0	0.0	0.0	0.0	1897.2	1897.2	-2.37	-1189.0	1897.2	606.4	.47	-2.84	0.0	0.0	0.0	0.0
1	16	40.5	32.0	12.1	1.8	16.3	71.0	0.0	2879.6	2879.6	-2.06	-783.4	3874.9	54.0	.04	-2.18	515.0	0.0	0.0	0.0
2	13	59.4	117.4	0.0	0.0	0.0	0.0	0.0	2498.1	1874.9	-3.14	-1574.9	6444.9	878.0	.67	-3.01	515.0	0.0	0.0	0.0
2	13	81.5	47.4	48.7	7.3	41.4	2078.0	0.0	1866.4	1774.9	-1.87	893.4	7417.5	219.0	.19	-1.06	2585.0	0.0	0.0	0.0
3	16	112.6	2.6	110.2	23.6	82.8	6328.0	0.0	1494.4	2437.8	3.00	5377.7	3534.9	569.8	.53	2.48	8985.0	0.0	0.0	0.0
4	13	116.7	0.0	116.7	23.6	82.8	6328.0	0.0	1711.5	926.7	3.29	5823.3	-1817.1	788.0	.91	2.78	15576.0	0.0	0.0	0.0
4	13	116.7	0.0	116.7	23.6	82.8	6328.0	0.0	1921.0	638.0	4.17	6035.0	-6421.1	798.0	.58	3.59	22688.0	0.0	0.0	0.0
5	16	96.4	64.0	32.4	0.0	0.0	0.0	0.0	1577.6	895.4	3.62	5374.5	-11181.1	176.5	.55	3.87	29468.0	0.0	0.0	0.0
5	16	96.4	64.0	32.4	0.0	0.0	0.0	0.0	4984.8	2375.2	-5.14	-2375.2	-7033.3	328.5	.15	-3.97	31425.0	0.0	0.0	0.0
6	15	97.0	54.0	35.0	7.5	42.5	2123.0	0.0	3156.0	1988.2	-2.33	134.8	-2883.0	225.0	.17	-2.58	33538.0	0.0	0.0	0.0
6	15	97.0	54.0	35.0	7.5	42.5	2123.0	0.0	1788.0	1888.6	-1.08	499.4	-1478.3	188.0	.14	-1.22	35256.0	0.0	0.0	0.0
7	18	107.0	73.2	33.7	7.3	41.4	2878.0	0.0	2393.0	1627.2	-0.7	876.8	-281.2	226.5	.17	-1.84	37398.0	0.0	0.0	0.0
8	16	123.1	184.0	0.0	0.0	0.0	0.0	0.0	3572.7	2252.3	-4.21	-2252.3	5188.4	1123.5	.81	-5.82	42775.0	0.0	0.0	0.0
9	13	115.4	184.2	11.2	15.0	14.4	589.0	0.0	2376.7	1895.0	-2.47	810.3	3471.1	72.0	.86	-2.53	47435.0	0.0	0.0	0.0
10	13	115.4	184.2	11.2	15.0	14.4	589.0	0.0	2384.7	1897.3	-1.53	1497.7	6164.1	384.5	.25	-7.76	46338.0	0.0	0.0	0.0
10	13	115.4	184.2	11.2	15.0	14.4	589.0	0.0	3249.7	2484.3	-4.96	-2484.3	12184.8	1885.0	.70	-3.74	46338.0	0.0	0.0	0.0
11	13	279.9	32.6	31.9	0.0	0.0	0.0	0.0	3856.9	1927.1	-3.61	-1927.1	15161.7	819.0	.59	-4.28	46338.0	0.0	0.0	0.0
11	13	279.9	32.6	31.9	0.0	0.0	0.0	0.0	3611.9	5885.8	-4.54	-2277.1	18773.6	2317.5	1.79	-6.33	46338.0	0.0	0.0	0.0
12	18	25.3	371.0	0.0	0.0	0.0	0.0	0.0	2166.7	1266.9	-2.73	-3535.8	28941.7	981.5	1.74	-3.47	46338.0	0.0	0.0	0.0
12	18	25.3	371.0	0.0	0.0	0.0	0.0	0.0	2444.2	1414.8	-4.54	-2277.1	24533.6	2988.5	1.62	-5.15	46338.0	0.0	0.0	0.0

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MES DIRS	(1) (MS)	(2) PE (MS)	(3) PMP (MS)	(4) DTR (MS)	(5) SE (MS)	(6) RUC (MS)	(7) RUC (MS)	(8) RUC (MS)	(9) RUC (MS)	(10) RUC (MS)	(11) RUC (MS)	(12) RUC (MS)	(13) RUC (MS)	(14) RUC (MS)	(15) RUC (MS)	(16) RUC (MS)	(17) RUC (MS)	(18) RUC (MS)	(19) RUC (MS)	(20) RUC (MS)
1	15	21.2	61.6	0.0	0.0	0.0	0.0	0.0	1782.0	1782.0	-2.24	-1124.0	1782.0	808.0	.69	-2.73	0.0	0.0	0.0	0.0
1	16	48.5	37.8	10.7	0.0	0.0	0.0	0.0	1782.0	1782.0	-2.11	-1158.2	3571.8	856.3	.82	-2.73	0.0	0.0	0.0	0.0
2	13	81.9	16.0	65.9	13.6	77.1	3855.0	0.0	1932.0	1218.0	-0.63	2637.0	3353.0	488.0	.36	.27	5783.0	0.0	0.0	0.0
3	16	162.3	4.2	162.1	21.9	124.8	6280.0	0.0	1219.3	768.7	3.25	3431.3	-858.2	637.0	.51	2.74	11885.0	0.0	0.0	0.0
3	16	162.3	4.2	162.1	21.9	124.8	6280.0	0.0	1787.3	1526.7	2.19	4819.3	-3889.2	638.0	.46	-1.73	17938.0	0.0	0.0	0.0
4	13	116.7	184.0	0.0	0.0	0.0	0.0	0.0	3718.1	2336.2	-4.67	-2336.2	-1791.1	811.5	.63	-5.38	17938.0	0.0	0.0	0.0
4	13	116.7	184.0	0.0	0.0	0.0	0.0	0.0	1327.5	826.2	2.01	4373.3	-3825.1	615.0	.47	2.34	23748.0	0.0	0.0	0.0
5	16	96.4	64.0	32.4	0.0	0.0	0.0	0.0	2071.0	1366.2	3.21	4938.0	-6487.1	661.5	.51	1.78	29586.0	0.0	0.0	0.0
5	16	96.4	64.0	32.4	0.0	0.0	0.0	0.0	1771.3	1516.7	-7.70	-798.3	-5714.1	282.5	.25	-1.85	31875.0	0.0	0.0	0.0
6	13	97.0	38.6	58.4	12.4	59.7	3435.0	0.0	1616.2	1815.1	-0.52	5415.3	-6512.1	364.5	.28	.34	35238.0	0.0	0.0	0.0
6	13	97.0	38.6	58.4	12.4	59.7	3435.0	0.0	1524.7	2486.6	1.45	3403.7	-8392.1	462.0	.36	1.89	39695.8	0.0	0.0	0.0
7	16	107.3	58.0	32.7	11.3	38.3	3268.0	0.0	1911.5	1255.3	-0.63	388.5	-6685.1	184.0	.14	-1.52	41455.0	0.0	0.0	0.0
8	15	116.0	23.4	92.6	19.3	112.4	5428.0	0.0	1772.5	1782.3	2.35	4625.2	-8506.1	933.5	.45	1.89	50375.0	0.0	0.0	0.0
8	16	123.1	51.7	71.4	19.3	86.7	4335.0	0.0	2786.5	1782.3	-0.85	2824.5	-9358.1	439.0	.75	-7.28	54618.0	0.0	0.0	0.0
9	13	114.6	8.8	106.6	22.9	129.4	6378.0	0.0	1568.9	989.1	3.02	3489.0	-13458.1	685.5	.33	2.49	61888.0	0.0	0.0	0.0
10	16	93.8	46.6	47.2	6.0	35.6	2255.0	0.0	1693.5	1871.5	-1.89	-516.0	-12692.1	338.5	.17	-1.34	69448.0	0.0	0.0	0.0
11	13	279.9	32.6	31.9	0.0	0.0	0.0	0.0	2986.3	1882.7	-4.86	-4868.0	-9185.8	1464.0	1.13	-4.69	69448.0	0.0	0.0	0.0
11	13	279.9	32.6	31.9	0.0	0.0	0.0	0.0	1476.3	938.7	-1.85	-938.7	-7629.5	938.5	.42	-2.28	69448.0	0.0	0.0	0.0
12	18	25.3	371.0	0.0	0.0	0.0	0.0	0.0	2294.6	1421.4	-2.84	-1421.4	-5374.9	727.5	.56	-3.48	69448.0	0.0	0.0	0.0
12	18	25.3	371.0	0.0	0.0	0.0	0.0	0.0	2444.2	1414.8	-4.54	-2277.1	24533.6	2988.5	1.62	-5.15	69448.0	0.0	0.0	0.0

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MES	DIRS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RR	DF	PP	RUC-1	RUC-2	GDP	GDP	GT	FDR-1	FDR-2	FDR-3	GDP	ROR-1	ROR-2	ABC	(7)AC	(11)AC	
		(100)	(100)	(100)	(100)	(100)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)
1	15	21.2	33.4	0.0	0.0	0.0	0.0	0.0	1918.3	1864.3	3115.0	-3115.0	-2.40	-1284.3	1910.9	183.0	.14	-2.34	0.0	0.0	
1	16	40.5	43.6	0.0	0.0	0.0	0.0	0.0	1778.1	1126.9	2899.0	-2899.0	-2.10	-1126.9	3606.6	46.5	.03	-2.13	0.0	0.0	
2	15	39.4	0.0	0.0	0.0	0.0	0.0	0.0	3605.0	761.7	1876.0	1635.0	1.26	2843.2	2853.6	302.5	.28	.96	3685.0	1978.0	
2	14	91.3	181.5	0.0	0.0	0.0	0.0	0.0	2542.3	1682.7	4140.0	-4140.0	-3.43	-1682.7	4595.9	300.0	.25	-3.68	3685.0	3685.0	
3	15	184.2	61.0	0.0	0.0	0.0	0.0	0.0	2031.3	1274.5	3286.0	-3286.0	-4.46	1455.3	5191.9	286.3	.22	-.69	6385.0	6385.0	
3	16	112.0	62.8	0.0	0.0	0.0	0.0	0.0	2379.1	1499.9	3979.0	-3979.0	-6.61	1499.9	6935.9	351.0	.22	-.84	9348.0	9348.0	
4	15	115.9	54.6	0.0	0.0	0.0	0.0	0.0	1772.4	1120.6	3000.0	307.0	.35	2184.4	5788.9	342.0	.26	-.81	12585.0	12338.0	
4	16	115.9	54.6	0.0	0.0	0.0	0.0	0.0	2086.2	1392.8	3728.0	389.0	.57	2416.2	5368.9	394.3	.26	-.83	16285.0	15518.0	
5	15	121.2	78.2	0.0	0.0	0.0	0.0	0.0	1641.7	1164.3	3011.0	-231.0	-.18	1615.7	4874.9	296.0	.23	-.61	2588.0	2452.0	
5	16	98.4	73.2	0.0	0.0	0.0	0.0	0.0	3486.6	1452.4	3989.0	-2379.0	-1.84	874.6	6453.9	171.0	.19	-1.97	2828.0	2028.0	
6	15	87.8	57.8	0.0	0.0	0.0	0.0	0.0	2690.7	1696.3	4387.0	-3492.0	-2.69	-891.3	9972.6	94.3	.87	-2.76	36428.0	36428.0	
6	16	187.3	57.6	0.0	0.0	0.0	0.0	0.0	2877.4	1389.6	3397.0	534.0	1.69	4428.4	7229.6	687.5	.44	1.25	42189.0	39877.0	
7	15	161.0	191.2	0.0	0.0	0.0	0.0	0.0	1465.9	1465.9	3791.0	-1895.0	-1.80	1289.1	8264.6	282.3	.23	-1.03	44905.0	43594.0	
7	16	122.1	20.7	0.0	0.0	0.0	0.0	0.0	2285.1	1466.9	3742.0	-742.0	-.57	1852.1	9887.6	318.0	.29	-1.82	47885.0	47348.0	
8	15	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2037.7	1297.3	3035.0	-1568.0	-1.20	-497.7	1867.6	198.5	.13	-1.35	49788.0	49788.0	
8	16	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2781.1	1782.5	4484.0	-4484.0	-3.19	-1782.5	19269.7	934.0	.68	-3.79	49788.0	49788.0	
9	15	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2574.2	1622.8	4197.0	-1937.0	-3.24	-1622.8	18842.3	883.5	.68	-3.62	49788.0	49788.0	
9	16	115.4	78.0	0.0	0.0	0.0	0.0	0.0	1967.6	1248.4	3288.0	-3288.0	-2.40	-1248.4	17818.5	763.5	.58	-3.07	49788.0	49788.0	
10	15	49.9	189.8	0.0	0.0	0.0	0.0	0.0	3366.0	2135.2	3522.0	-3522.0	-4.26	-2135.2	21197.3	1982.5	1.22	-5.48	49788.0	49788.0	
10	16	27.9	79.2	0.0	0.0	0.0	0.0	0.0	2627.7	1691.3	4374.0	-4374.0	-9.16	-1691.3	22888.0	887.0	.88	-3.66	49788.0	49788.0	
11	15	22.9	78.0	0.0	0.0	0.0	0.0	0.0	3177.3	3254.7	8678.0										
12	15	23.0	78.0	0.0	0.0	0.0	0.0	0.0													

3177.3 3254.7 8678.0

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MES	DIRS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RR	DF	PP	RUC-1	RUC-2	GDP	GDP	GT	FDR-1	FDR-2	FDR-3	GDP	ROR-1	ROR-2	ABC	(7)AC	(11)AC	
		(100)	(100)	(100)	(100)	(100)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)	(1000000)
1	15	21.2	33.4	0.0	0.0	0.0	0.0	0.0	1918.3	1864.3	3115.0	-3115.0	-2.40	-1284.3	1910.9	183.0	.14	-2.34	0.0	0.0	
1	16	40.5	43.6	0.0	0.0	0.0	0.0	0.0	1778.1	1126.9	2899.0	-2899.0	-2.10	-1126.9	3606.6	46.5	.03	-2.13	0.0	0.0	
2	15	39.4	0.0	0.0	0.0	0.0	0.0	0.0	3605.0	761.7	1876.0	1635.0	1.26	2843.2	2853.6	302.5	.28	.96	3685.0	1978.0	
2	14	91.3	181.5	0.0	0.0	0.0	0.0	0.0	2542.3	1682.7	4140.0	-4140.0	-3.43	-1682.7	4595.9	300.0	.25	-3.68	3685.0	3685.0	
3	15	184.2	61.0	0.0	0.0	0.0	0.0	0.0	2031.3	1274.5	3286.0	-3286.0	-4.46	1455.3	5191.9	286.3	.22	-.69	6385.0	6385.0	
3	16	112.0	62.8	0.0	0.0	0.0	0.0	0.0	2379.1	1499.9	3979.0	-3979.0	-6.61	1499.9	6935.9	351.0	.22	-.84	9348.0	9348.0	
4	15	115.9	54.6	0.0	0.0	0.0	0.0	0.0	1772.4	1120.6	3000.0	307.0	.35	2184.4	5788.9	342.0	.26	-.81	12585.0	12338.0	
4	16	115.9	54.6	0.0	0.0	0.0	0.0	0.0	2086.2	1392.8	3728.0	389.0	.57	2416.2	5368.9	394.3	.26	-.83	16285.0	15518.0	
5	15	121.2	78.2	0.0	0.0	0.0	0.0	0.0	1641.7	1164.3	3011.0	-231.0	-.18	1615.7	4874.9	296.0	.23	-.61	2588.0	2452.0	
5	16	98.4	73.2	0.0	0.0	0.0	0.0	0.0	3486.6	1452.4	3989.0	-2379.0	-1.84	874.6	6453.9	171.0	.19	-1.97	2828.0	2028.0	
6	15	87.8	57.8	0.0	0.0	0.0	0.0	0.0	2690.7	1696.3	4387.0	-3492.0	-2.69	-891.3	9972.6	94.3	.87	-2.76	36428.0	36428.0	
6	16	187.3	57.6	0.0	0.0	0.0	0.0	0.0	2877.4	1389.6	3397.0	534.0	1.69	4428.4	7229.6	687.5	.44	1.25	42189.0	39877.0	
7	15	161.0	191.2	0.0	0.0	0.0	0.0	0.0	1465.9	1465.9	3791.0	-1895.0	-1.80	1289.1	8264.6	282.3	.23	-1.03	44905.0	43594.0	
7	16	122.1	20.7	0.0	0.0	0.0	0.0	0.0	2285.1	1466.9	3742.0	-742.0	-.57	1852.1	9887.6	318.0	.29	-1.82	47885.0	47348.0	
8	15	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2037.7	1297.3	3035.0	-1568.0	-1.20	-497.7	1867.6	198.5	.13	-1.35	49788.0	49788.0	
8	16	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2781.1	1782.5	4484.0	-4484.0	-3.19	-1782.5	19269.7	934.0	.68	-3.79	49788.0	49788.0	
9	15	115.4	78.0	0.0	0.0	0.0	0.0	0.0	2574.2	1622.8	4197.0	-1937.0	-3.24	-1622.8	18842.3	883.5	.68	-3.62	49788.0	49788.0	
9	16	115.4	78.0	0.0	0.0	0.0	0.0	0.0	1967.6	1248.4	3288.0	-3288.0	-2.40	-1248.4	17818.5	763.5	.58	-3.07	49788.0	49788.0	
10	15	49.9	189.8	0.0	0.0	0.0	0.0	0.0	3366.0	2135.2	3522.0	-3522.0	-4.26	-2135.2	21197.3	1982.5	1.22	-5.48	49788.0	49788.0	
10	16	27.9	79.2	0.0	0.0	0.0	0.0	0.0	2627.7	1691.3	4374.0	-4374.0	-9.16	-1691.3	22888.0	887.0	.88	-3.66	49788.0	49788.0	
11	15	22.9	78.0	0.0	0.0	0.0	0.0	0.0	3177.3	3254.7	8678.0										
11	16	23.0	78.0	0.0	0.0	0.0	0.0	0.0													

3177.3 3254.7 8678.0

AND. 1973

MES	DIAS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RHR	DIA	RR	RUC-1	RUC-2	GDB	GDD	CT	FDR-1	ADR-1	ADR-2	AD3	ADR-1	ADR-2	(7)JAC	(10)JAC	(11)JAC	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
1	15	21.2	86.0	0.0	0.0	0.0	0.0	0.0	235.2	1421.0	3672.0	-3672.0	-2.84	-1421.0	3285.2	972.0	75	-3.59	0.0	0.0	0.0
1	16	48.5	145.1	0.0	0.0	0.0	0.0	0.0	2975.9	1876.1	4852.0	4852.0	-3.51	-1876.1	5231.1	1563.0	1.13	-4.64	0.0	0.0	0.0
2	13	59.4	59.0	4	5	1	48.7	23.0	1893.4	1193.6	3887.0	-3887.0	-2.36	-1160.6	7124.5	230.0	0.0	-2.36	21.8	25.08	138.6
3	16	112.0	139.4	0.0	0.0	0.0	12.7	6385.0	841.5	1884.5	4796.0	-4796.0	-3.70	-1884.5	9920.0	496.5	39	-4.88	2469.0	2468.0	0.0
4	15	115.9	139.4	0.0	0.0	0.0	12.7	6385.0	841.5	1884.5	4796.0	-4796.0	-3.70	-1884.5	9920.0	496.5	39	-4.88	2469.0	2468.0	0.0
5	13	121.2	388.8	82.4	11.7	1.7	180.0	4808.0	296.6	812.4	4131.0	-4131.0	-3.66	-812.4	4368.0	661.5	51	2.68	15898.0	6513.0	8477.0
6	15	81.5	67.8	28.6	4.0	6.2	34.7	1735.0	312.9	1458.1	-4056.0	-4056.0	-1.47	1458.1	4804.0	355.5	27	-3.93	15898.0	15354.0	6138.0
7	15	81.5	67.8	28.6	4.0	6.2	34.7	1735.0	312.9	1458.1	-4056.0	-4056.0	-1.47	1458.1	4804.0	355.5	27	-3.93	15898.0	15354.0	6138.0
8	16	123.1	67.8	6.6	189.9	16.5	93.4	4670.0	1422.3	896.7	2319.0	2319.0	1.01	3793.9	968.8	429.0	33	1.43	38499.0	23262.0	7228.0
9	15	115.4	86.8	63.6	94.9	17.7	77.2	2869.0	1383.1	871.9	2335.0	1685.0	1.24	2980.1	-736.2	489.5	32	-92	34390.0	2517.0	8032.0
10	16	82.8	46.4	0.0	0.0	0.0	111.1	5555.0	1318.7	826.3	2137.0	3419.0	2.47	4728.7	-1454.2	588.0	43	2.84	39825.0	27844.0	12311.0
11	15	27.9	59.7	0.0	0.0	0.0	76.6	1830.0	1779.9	1122.1	2982.0	920.0	0.72	2707.9	-5882.2	485.0	31	-4.1	43735.0	38356.0	13178.0
12	16	25.0	41.7	0.0	0.0	0.0	81.8	1993.3	1256.7	3258.0	-3258.0	-3258.0	-1.44	3719.9	-2844.9	184.5	14	-4.72	48729.0	41685.0	7845.0
13	15	184.6	47.2	57.4	82.0	14.3	69.7	3482.0	1262.2	795.0	2898.0	1427.0	1.10	2689.2	-3471.9	369.0	28	-0.82	57185.0	46769.0	18336.0
14	15	49.9	184.4	0.0	0.0	0.0	141.7	7885.0	3218.1	1718.9	4448.0	-4448.0	-3.43	-1718.9	5661.6	817.5	63	-4.06	57185.0	57185.0	0.0
15	15	33.3	24.5	0.0	0.0	0.0	420.0	2651.0	6856.0	18812.2	-18812.2	-18812.2	-5.29	-2651.0	18812.2	3865.0	2.21	-7.58	57185.0	57185.0	0.0
16	16	25.0	41.7	0.0	0.0	0.0	81.8	1993.3	1256.7	3258.0	-3258.0	-3258.0	-1.44	3719.9	-2844.9	184.5	14	-4.72	48729.0	41685.0	7845.0

MES	DIAS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
		ET	PE	RHR	DIA	RR	RUC-1	RUC-2	GDB	GDD	CT	FDR-1	ADR-1	ADR-2	AD3	ADR-1	ADR-2	(7)JAC	(10)JAC	(11)JAC	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
1	15	21.2	36.0	0.0	0.0	0.0	0.0	0.0	1807.3	1807.3	2508.0	-2508.0	-2.08	-1800.7	1527.3	234.0	18	-2.19	0.0	0.0	0.0
2	13	81.5	13.0	0.0	0.0	0.0	13.2	668.0	1381.5	2378.0	-2378.0	-2378.0	-1.48	-341.5	3175.6	78.5	1.85	-1.45	668.0	668.0	0.0
3	16	132.9	19.4	93.4	133.4	20.0	116.2	5910.0	1110.1	699.3	1810.0	4888.0	3.89	5110.1	-3687.2	615.0	47	2.62	12950.0	6117.0	6039.0
4	15	167.5	0.0	116.1	166.7	25.0	141.7	7885.0	851.7	1395.0	5530.0	-5530.0	4.27	6483.7	-13892.2	788.0	58	3.69	25785.0	9637.0	14680.0
5	16	96.4	77.6	18.9	26.9	4.1	22.8	1140.0	1873.7	1181.3	3055.0	-1915.0	-1.38	-41.3	-1789.5	461.0	36	0.95	36405.0	14356.0	2079.0
6	15	87.0	19.2	67.8	96.9	14.6	82.3	4113.0	1159.2	738.0	1890.0	2225.0	1.72	3884.2	-21294.5	436.5	34	1.38	41668.0	19271.0	22889.0
7	15	87.0	19.2	67.8	96.9	14.6	82.3	4113.0	1159.2	738.0	1890.0	2225.0	1.72	3884.2	-21294.5	436.5	34	1.38	41668.0	19271.0	22889.0
8	15	136.8	120.2	83.9	122.7	18.4	104.3	6215.0	1612.5	1816.5	5628.0	-2396.0	-1.87	4198.5	-22493.0	63.0	85	-3.24	54320.0	38297.0	24822.0
9	15	114.6	113.2	1.4	2.0	7	1.7	85.0	2466.2	1335.8	3972.0	-3972.0	-3.06	-1458.0	-22562.0	440.5	35	-3.81	62680.0	48898.0	24822.0
10	16	164.6	166.4	0.0	0.0	0.0	81.0	451.0	2101.8	1375.0	3356.0	-3356.0	-2.54	-1338.0	-17808.0	927.0	72	-4.09	62680.0	48898.0	24822.0
11	15	27.9	212.9	0.0	0.0	0.0	111.1	5555.0	1318.7	826.3	2137.0	3419.0	2.47	4728.7	-1454.2	588.0	43	2.84	39825.0	27844.0	12311.0
12	16	25.0	46.4	0.0	0.0	0.0	81.8	1993.3	1256.7	3258.0	-3258.0	-3258.0	-1.44	3719.9	-2844.9	184.5	14	-4.72	48729.0	41685.0	7845.0

MES DIA	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	ET	RHR	DPA	RR	RUC-1	RUC-2	CT	GO	CT	FDR-1	FDR-2	FDR-3	CDP	RDR-1	RDR-2	ADC	(18)	(19)	(20)	
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
1	15	21.2	8.0	12.4	15.0	15.0	1794.0	1089.0	1774.0	-1024.0	-7.0	64.1	1024.0	79.5	1.96	-0.65	750.0	750.0	0.0	
2	15	40.5	0.0	0.0	0.0	0.0	1721.0	1085.0	2006.0	-2086.0	-2.03	-1095.0	2743.0	301.5	1.22	-2.25	750.0	750.0	0.0	
3	15	59.4	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
4	15	104.3	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
5	15	115.9	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
6	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
7	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
8	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
9	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
10	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
11	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
12	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	

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MES DIA	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
	ET	RHR	DPA	RR	RUC-1	RUC-2	CT	GO	CT	FDR-1	FDR-2	FDR-3	CDP	RDR-1	RDR-2	ADC	(18)	(19)	(20)	
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
1	15	21.2	8.0	12.4	15.0	15.0	1794.0	1089.0	1774.0	-1024.0	-7.0	64.1	1024.0	79.5	1.96	-0.65	750.0	750.0	0.0	
2	15	40.5	0.0	0.0	0.0	0.0	1721.0	1085.0	2006.0	-2086.0	-2.03	-1095.0	2743.0	301.5	1.22	-2.25	750.0	750.0	0.0	
3	15	59.4	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
4	15	104.3	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
5	15	115.9	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
6	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
7	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
8	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
9	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
10	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
11	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	
12	15	121.2	0.0	0.0	0.0	0.0	1794.0	1131.0	2925.0	-2925.0	-2.26	-1131.0	4539.0	365.8	1.95	-2.32	750.0	750.0	0.0	

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付属資料 2.4.1 土 壤 観 察

分類	調査地点	地目	層	深さ (cm)	土性	土色および観察	ち密度 (山中式硬度計)	備 考
有機質地下 水土壤型	La Ceja del Jabo	湿地	A	0-10		黒褐色、腐蝕を 含む。		カノティージョ・パ ラギンシア・ジェル バコテアハラ(ほて い草)等が繁茂して いる。
			A	0-35	植壤土	暗黒褐色、黒泥 を含む。		湿地の中。まわりに 水田を見る。
			G ₁	35-80	植壤土	暗青灰色、埋木 泥炭を含む。		
G ₂	80以下	壤土	黒色					
無機質地下 水土壤型	El Alto de Hetechal	田	A ₁	0-20	壤土	黒褐色、腐蝕を 僅かに含む。	9~9.5	10%塩酸で発泡す る。
			A ₂	20-40	壤土	褐色	2.4~2.5	
			G ₁	40-66	砂壤土	暗黒青色	1.6	
			G ₂	66以下	砂土	よしの根を含む	-	
灰色低地土	Arroyo Candra	水田	A	0-13	植壤土	暗黒色	1.0~1.2	Nagua川右岸約70 m。右手に約10m の丘がある。
			B	B-115	植壤土	灰褐色	1.3~1.5	
			G	115以下	壤土	青灰色		
褐色低地土	La Marga de Matancita	田 (まれ には椰 子畑)	A	0-25	砂壤土	茶褐色、腐蝕を 含む。	1.8	
			B	25-50	砂壤土	褐色および青色 の斑鉄を含む。	1.8	
			C ₁	50-75	壤土	7.5cmで水	1.7	
			C ₂	75-100	砂壤土		1.5	
植物土 壤型	Matancita	椰子畑	A	0-30	砂壤土	黒褐色、腐蝕を 含む。		
			B ₁	30-46	砂土	茶褐色、鉄の集 積あり。	2.2	
			B ₂	46以下	砂土	灰褐色		

付属資料 2.4.2 室内分析結果表

種類	物理的性質						PH(水)	个置換性 塩基CIC	化学的性質				CaCO ₃	有機物 (%)
	深さ cm	砂 (%)	粘 (%)	微砂 (%)	水分 (%)	置換性塩基 (mg/100g)								
						Na+			K+	Ca++	Mg++			
泥炭土	0-20	39.52	30.48	3000	8600	580	1.26	0.28	1006	4.42	29.64			
	0-20	35.52	36.48	2800	8500	530	2.39	0.17	1281	4.02	57.10			
	0-20	31.52	40.48	2600	8500	560	0.94	0.20	1037	3.47	20.00			
低湿地上	0-15	43.52	40.48	1600	7700	790	0.45	0.58			7.71			
	15-25	19.52	6.448	1600	7600	760	0.54	0.60			7.26			
	25-50	25.52	42.48	3200	7700	770	0.60	0.42	23.48		6.96			
灰色低地土	0-15	48.00	26.00	2600	8530	640	0.50	0.10	34.40	4.40	4.94			
	15-31	28.00	4.00	2800	7600	690	0.65	0.08	29.00	2.00	2.08			
	31-49	26.00	4.600	2800	7130	700	0.75	0.08	29.00	5.60	1.51			
	49-84	38.00	4.600	1600	8330	740	0.85	0.08	27.40	7.20	1.44			
	84-104	36.00	4.100	2000	8200	750	0.90	0.08	25.20	6.00	0.77			
褐色低地土	104-125	26.00	5.200	2200	8300	760	1.06	0.08	25.20	6.00	0.93			
	0-14	68.00	2.200	1000	7600	600	0.48	0.20	8.25	0.50	3.62			
	14-32	70.00	1.800	1200	6000	660	0.50	0.10	5.00	2.50	1.60			
	32-47	68.00	2.000	1200	5200	670	0.48	0.15	6.25	1.25	1.21			
	47-65	66.00	1.800	1600	7300	660	0.40	0.40	6.25	2.50	0.53			
褐色森林土	65-90	70.00	1.800	1200	5100	580	0.28	0.60	3.75	2.50	1.14			
	0-18	73.52	10.48	1800	3500	600	0.80	0.06	1.83	1.34	2.74			
	18-37	71.52	6.48	400	3000	620	0.45	0.45	1.52	0.61	1.58			
	37-63	79.52	4.48	1600	3000	630	0.24	0.24	1.52	0.43	0.33			

付属資料 2.4.3 静的コーン支持力 qc 値一覧

平均値()数字は、No.5、No.5-1を除いたもの

測点 深度(m)	No.1	No.2	No.3	No.4	No.5	No.5-1	No.6	No.6-1	No.7	No.8	No.9	No.10	No.11	No.12	No.13	平均	備考
.20	0	0	0	1.1	4.5	4.5	0	1.5	0.2	1.5	0.8	0	4.0 0.8	1.5 2.1	1.5	(0.7) 1.2	
.40	0	2.0	1.5	2.0	2.0	3.2	0	1.8	0.2	1.0	0.8	0	0.9	1.9	1.5	(1.0) 1.3	
.60	0.2	1.0	0	1.8	3.8	3.9	0	1.9	0.5	0.6	0.8	0.3	1.5	1.2	1.0	(0.8) 1.4	(1.0) 1.4
.80	0.8	1.0	0	2.3	3.2	3.5	1.0	1.9	0.7	0.4 1.1	0.8	1.0	1.5	1.0	1.0	(1.1) 1.4	
1.00	1.0	1.5	0	5.0	1.8	4.5	2.3	2.3	0.3	1.1	0.6	1.3	1.2	0.8	1.5	(1.5) 1.7	
.20	1.0	4.8	5.0 (砂)	5.8	4.7	2.4	2.8	0 5.0 (砂)	1.3	1.1	1.2	0.8	3.7	2.5	1.8		
.40	3.2	6.5 (砂)		6.5 (砂)	6.5 (砂)	6.5 (砂)	1.8		1.4	1.3	1.2	1.2	5.0	1.5	3.0		
.60	6.8 (砂)						6.3 (砂)		1.6	0.6 0.3	0.8	1.2	7.0	2.4	2.2 3.0		
.80									1.8 5.0 1.1	0 1.1	1.2	2.5	8.8	3.0 2.4	4.1		
2.00									6.3 4.0	1.8	1.2	3.0	10.0 (砂)	1.8	5.0		
.20									1.8	3.5	1.2	3.8		0.8	8.5		
.40									1.8	6.5	1.4	4.9		0.3	5.0		
.60									1.8	6.5 (砂)	1.5	5.8		1.0	2.4		
.80									1.8		3.8	6.5		1.9	8.5 9.2		
3.00									0.7		6.5 (砂)	7.1		3.0	10.0 (粘土)		
.20									2.5			7.1		3.2			
.40									6.4			7.1		3.5			
.60									0.5			8.5 (砂)		3.0 4.9			
.80									0.8 3.8					4.0 4.0			
4.00									6.2 (砂)					5.0 6.0			
.20														7.0			
.40														7.6			
.60														7.2 (粘土)			

付属資料 2.5.1 SECTOR 別土地利用面積(1)

単位: ha

番号	項目 SECTOR	全面積	利 用 区 分				
			耕 地	牧 草 地	果 樹 園	森 林・野 地	其 の 他
1	ZONA EL CINCO	646	373	—	133	36	104
2	MARGARA	241	149	—	24	52	16
3	ARONOSITO	173	127	—	32	—	14
4	COLORADO	396	171	—	63	109	53
5*	VIETNAM	1,172	571	—	—	538	63
6	LOS YAYALES	260	186	—	41	12	21
6*	LOS YAYALES	235	33	—	—	198	4
7	La CEJA del AGUACATE	347	183	100	5	28	31
8	EL TOPE 1000	147	110	—	11	14	12
9	La BOJUCOSA	617	304	82	22	166	43
10	1600 (La Ceja Larga)	176	103	17	40	3	13
11	1400 (La Ceja del Jobo)	159	39	73	4	31	12
12	TAVITO SUAREZ	137	37	86	—	—	14
13	1700	94	55	—	30	3	6
14	1000 (La Ceja Larga)	30	20	—	—	8	2
15	LA CEJA	58	31	—	4	20	3
16	LAS 1300	94	54	—	—	34	6
17	EL TABLON FINCA 23 DE MARZO	107	80	—	—	18	9
18	EL TABLON	29	14	—	13	—	2
19	AREA NO MEDIDA	131	92	—	—	29	10
20*	PESCADERO	1,255	121	—	—	1,121	13
21	EL BARRO	824	488	—	214	68	54
22	EL FACTOR	28	20	—	6	—	2
23	EL HELECHAL	716	518	—	139	2	57
24*	LA PICHINGA	651	499	—	23	74	55
24	LA PICHINGA	168	76	—	84	—	8
25	LA CIMARRA	338	122	—	203	—	13
26	LA GUAZARA	260	119	—	128	—	13
27	EL POZO	83	70	—	1	4	8
28	RAFAEL DARIO TAVERAS	19	17	—	—	—	2
29	S.E.A CAMPO EXPERIM	18	16	—	—	—	2
30	FINCA SAN PEDRO	88	79	—	—	—	9
31	FINCA 27 DE FEBRERO	68	61	—	—	—	7
32	FINCA MARIANO MERCEDES	64	58	—	—	—	6
33	FINCA # 4	50	45	—	—	—	5
34	FINCA # 5	64	56	—	2	—	6
35	FINCA 1700 LA CANDERA	157	118	—	—	26	13
計		10,100	5,215	358	1,222	2,594	711

注) * 未配分地域

付属資料 2. 5. 2 地域の開発状況、作付及び収穫面積

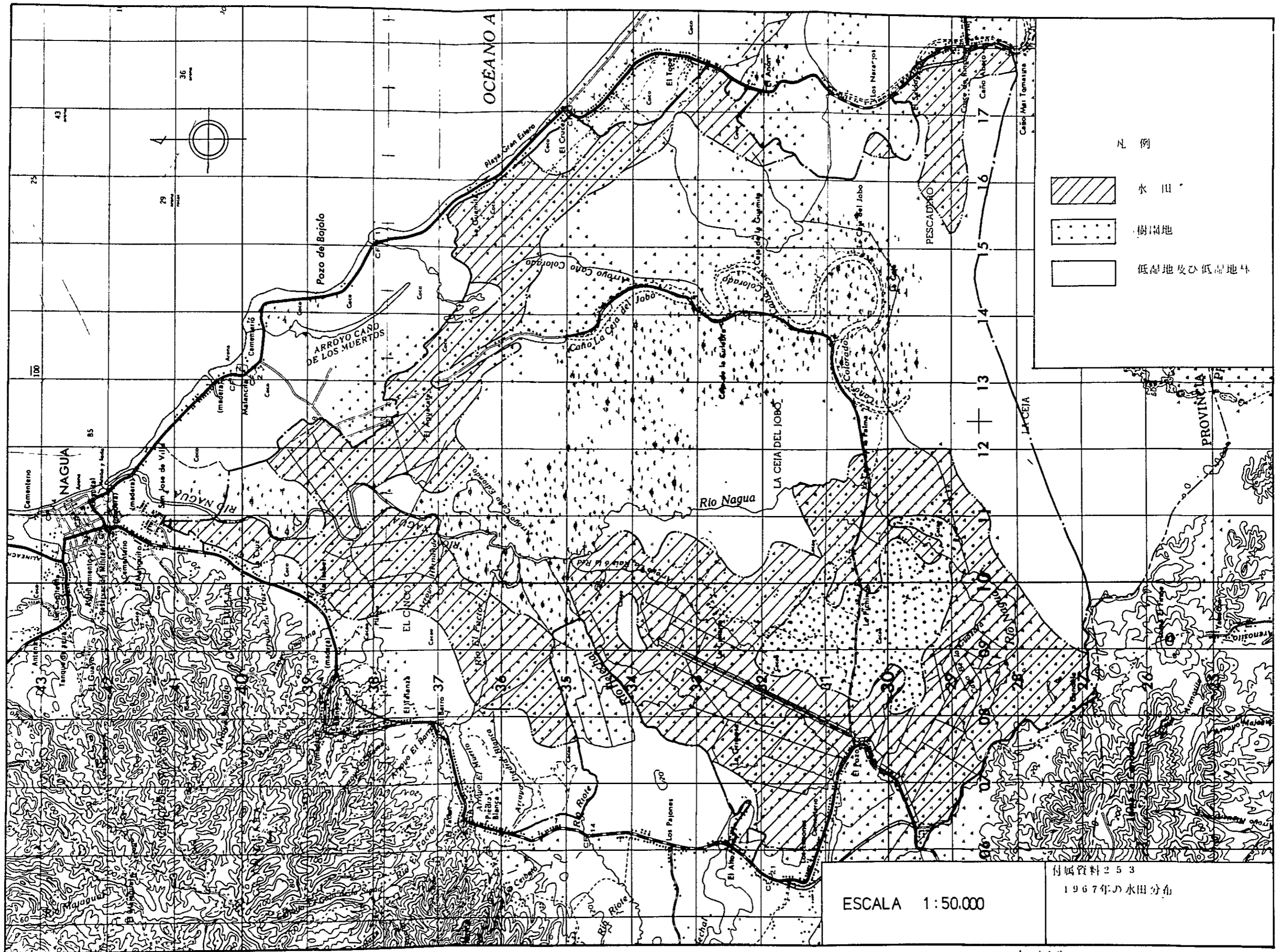
開 発 状 況

地 域	(A) 全 面 積 (ha)	(B) 耕 作 地 面 積 (ha)	B / A (%)
地 域 全 体	10,100	5,600	55
配 分 地 域	7,300	4,900	67
未 配 分 地 域	2,800	700	25

作付及び収穫面積 (1979~1980)

(単位: ha, %)

項 目 \ 年 期	1979		1980	
	第 1 期	第 2 期	第 1 期	第 2 期
農 地 面 積	(5,600)		(5,600)	
作 付 面 積 及 び 作 付 率	1,446 25.8	2,075 37.1	2,075 37.1	1,188 21.2
収 穫 面 積 及 び 収 穫 率	1,257 22.4	1,132 20.2	1,320 23.6	— —



付属資料 2.6.1 作物生産および栽培面積

作 目	生産高 単 位	年度	El Pozo			Limon del Yuna			El Aguacate		
			植付面積 (ha)	収穫面積 (ha)	生産高	植付面積 (ha)	収穫面積 (ha)	生産高	植付面積 (ha)	収穫面積 (ha)	生産高
米	ton	76	6,182	5,723	5,828	5,393	5,330	7,384	1,074	1,074	1,798
		77	2,318	2,198	5,085	4,325	5,619	10,867	1,413	1,201	1,733
		78	3,319	1,672	3,537	5,568	5,568	8,771	1,894	673	732
		79	3,027	2,105	6,445	3,186	1,490	5,519	647	1,169	314
トウモロコシ	ton	76	-	-	-	189	176	247	67	89	159
		77	-	-	-	55	105	106	454	283	388
		78	-	-	-	-	-	-	14	31	227
		79	-	-	-	1	-	-	-	-	-
パ ナ ナ	Millales	76	-	-	-	-	-	-	-	-	-
		77	-	-	-	-	-	-	-	-	-
		78	-	-	-	-	-	-	9	-	-
		79	-	-	-	107	14	344	-	-	-
ジャガイモ	ton	76	-	-	-	-	-	-	-	-	-
		77	-	-	-	-	-	-	24	33	96
		78	-	-	-	-	-	-	-	3	27
		79	-	-	-	173	-	-	-	-	-
キャッサバ	ton	76	-	-	-	-	-	-	-	-	-
		77	-	-	-	-	-	-	-	-	-
		78	-	-	-	-	-	-	24	3	36
		79	-	-	-	10	-	-	-	-	-
マンガリート (ジャウディア)	ton	76	46	49	353	88	83	681	107	134	3,377
		77	31	22	135	13	25	177	1,031	264	1,385
		78	-	-	-	-	-	-	597	-	-
		79	50	16	14	-	-	-	157	110	2,265
インゲンマメ	ton	76	-	-	-	-	-	-	57	25	14
		77	-	-	-	42	22	9	-	-	-
		78	-	-	-	-	-	-	-	-	-
		79	-	-	-	-	-	-	-	-	-
ヤ マ ム (ヤマイモ)	ton	76	-	-	-	82	11	123	-	-	-
		77	-	-	-	-	-	-	-	-	-
		78	-	-	-	-	-	-	-	-	-
		79	-	-	-	-	-	-	-	-	-
コ コ ア	ton	76	-	-	-	-	-	-	-	-	-
		77	-	-	-	-	-	-	-	-	-
		78	-	-	-	-	-	-	-	-	-
		79	-	96	28	-	-	-	-	-	-
ココヤシ	個	76	205	833	640,000	-	-	-	-	-	-
		77	-	-	-	-	-	-	-	-	-
		78	-	-	-	-	-	-	-	-	-
		79	-	-	-	-	-	-	-	-	-
合 計		76	6,433	6,605		5,752	5,660		1,305	1,322	
		77	2,349	2,220		4,435	5,771		2,922	1,781	
		78	3,319	1,672		5,568	5,568		2,538	707	
		79	3,077	2,217		3,477	1,504		804	1,279	

出典：IAD 統計課

米の収量

地区	項目	年				
		1976	1977	1978	1979	
El POZO	1) 作付面積 (ha)	6,182	2,318	3,319	3,027	
	2) 収穫面積 (ha)	5,723	2,198	1,672	2,105	
	3) 収量 (t)	5,828	3,085	3,537	6,445	
	4) 作付面積当り収量 (t/ha)	1.02	2.31	2.12	3.06	
	5) 収穫面積当り収量 (t/ha)	0.94	2.19	1.07	2.13	
Limón del Yuna	1) 作付面積 (ha)	5,393	4,325	5,568	3,186	
	2) 収穫面積 (ha)	5,330	5,619	5,568	1,490	
	3) 収量 (t)	7,384	10,867	8,771	5,519	
	4) 作付面積当り収量 (t/ha)	1.38	1.93	1.58	3.70	
	5) 収穫面積当り収量 (t/ha)	1.37	2.51	1.58	1.73	
El Aguacate	1) 作付面積 (ha)	1,074	1,413	1,894	647	
	2) 収穫面積 (ha)	1,074	1,201	673	1,169	
	3) 収量 (t)	1,798	1,733	732	314	
	4) 作付面積当り収量 (t/ha)	1.67	1.44	1.09	0.27	
	5) 収穫面積当り収量 (t/ha)	1.67	1.23	0.39	0.48	
国全体	1) 作付面積当り収量 (t/ha)	1.51	1.94	2.87	3.32	
	2) (収穫面積当り収量 t/ha)	1.71	1.87	2.59	2.56	

出典：IAD統計課

付属資料 2 6.3. 籾重及び水分含量

日付	サコ数	全重量 (Kg)	ノコサ 当り重量 (Kg)	水分 含量 (%)	ゴミ 混入 率(%)	フィネガ 当り重量 (Kg)	日付	サコ数	全重量 (Kg)	ノコサ 当り重量 (Kg)	水分 含量 (%)	ゴミ 混入 率(%)	フィネガ 当り重量 (Kg)
1/26	3	262	87	22	8	12736	1/26	24	-	-	23	6	12639
"	2	159	79	25	10	14223	"	4	-	-	21	7	12426
"	1	76	76	21	10	12841	"	1	-	-	23	9	13057
"	16	1,309	82	22	8	12736	1/26	17	1,333	78	22	12	13315
"	7	578	83	22	11	13166	"	3	-	-	20	7	12258
"	44	3,821	87	21	9	12699	"	2	-	-	23	10	13057
"	12	1,026	86	23	7	12776	"	1	89	89	20	4	11875
"	18	1,568	87	23	13	13661	"	2	-	-	23	10	13204
1/27	1	92	92	23	6	12639	1/26	4	337	84	21	8	12561
"	3	188	63	21	11	12985	"	6	-	-	22	8	12736
"	6	477	75	17	11	12228	1/27	2	170	85	22	9	12876
"	1	91	91	22	12	13315	"	1	-	-	23	12	13504
1/28	18	1,559	87	24	7	12958	"	5	438	88	28	10	14207
"	22	1,869	85	22	6	12464	"	1	-	-	23	14	13820
"	15	1,190	79	20	9	12527	"	2	-	-	23	12	13504
"	1	75	75	23	12	13504	"	4	356	89	25	10	13586
"	2	132	66	23	8	12915	1/28	4	324	81	24	11	13352
"	1	71	71	29	14	15105	"	1	98	98	23	6	12639
"	25	1,954	78	23	8	12915	"	1	91	91	28	10	14207
1/29	32	2,594	81	19	11	12605	"	2	-	-	22	14	13627
"	4	313	78	23	6	12639	1/29	8	693	87	24	8	13100
"	1	73	73	26	15	14605	"	1	-	-	21	9	12699
"	28	-	-	23	7	12776	"	12	-	-	23	4	12376
"	1	-	-	23	8	12915	"	1	81	81	24	6	12820
平均								373		82	22.2	88	13070

出所：INESPRE El Pozo 購買事務所

聴取りによる農家 (AGLIPO 地域) 実態調査 (E1 Pozo 地区)

No	年令	家族数	セクター名	入植年度	アグリボ計画の告知	土地所有面積 (Tarea)			農業収入 (RD\$)			総収入 (RD\$)			貯蓄 (RD\$)			借入金 (RD\$)			家計支出 (RD\$)		
						水田	その他	計	稲作	その他	計	農業	その他	計	土地	家屋	現金	計	借入金	食費	衣服	光熱	雑
1	40	6	La Factoría	1979	X	35	-	35	-	-	-	-	-	5,250	800	1,800	100	-	1,900				
2	50	8	La Guajara	1963	X	50	-	50	1,000	300	1,300	-	-	1,300	2,000	1,200	200	-	1,400				
3	30	7	"	1962	0	50	-	50	2,000	500	2,500	300	-	2,800	1,500	1,800	50	30	1,880				
4	48	8	Los Coquitos	1976	X	31	-	31	-	-	-	-	-	6,200	1,700	1,800	150	30	1,980				
5	45	11	Los Limones	1962	X	44	-	44	2,000	-	2,000	400	-	2,400	2,000	2,400	400	60	2,860				
6	47	4	El Pozo	1979	0	34	-	34	2,000	-	2,000	-	-	2,000	-	1,440	75	30	1,515				
7	42	10	El Factor	1976	X	34	-	34	1,000	-	1,000	-	-	1,000	600	2,520	200	85	2,805				
8	34	6	Madre Vieja	1969	X	60	-	60	2,500	500	3,000	-	-	3,000	500	1,800	150	-	1,950				
9	50	7	"	1972	X	40	-	40	1,000	30	1,030	-	-	1,300	2,500	1,800	400	25	2,275				
10	25	4	La Factoría	1975	X	36	-	36	600	-	600	600	-	600	1,500	2,160	200	85	2,445				
11	45	10	Magua	1975	X	36	-	36	600	-	600	-	-	600	300	1,440	100	60	1,600				
12	55	4	El Pozo	1963	X	42	10	52	1,000	600	1,600	-	-	1,600	2,000	1,800	100	25	1,975				
13	50	5	Los Pinus	?	X	35	10	45	250	400	650	-	-	650	1,500	2,520	100	50	2,670				
14	50	5	Negua	1962	X	50	-	50	1,000	480	1,480	-	-	1,480	3,000	2,160	200	50	2,410				
15	54	9	Villa Los Amipolitas	1963	X	50	-	50	1,500	500	2,000	-	-	2,000	2,800	2,800	200	36	3,036				
16	28	6	La cimatra	1974	X	40	-	40	500	-	500	-	-	500	800	1,800	200	36	2,036				
17	10	7	Arenusco	1973	X	50	-	50	1,500	-	1,500	-	-	1,500	5,000	2,520	250	70	2,840				
18	15	5	La cimatra	1974	X	50	-	50	1,200	-	1,200	200	-	1,400	5,000	2,520	200	60	2,780				
19	37	6	"	1980	X	50	-	50	-	-	-	450	-	450	1,800	300	13	2,113					
20	46	8	El Elchal	1979	X	50	-	50	1,000	-	1,000	3,600	-	4,600	2,500	2,160	300	200	2,660				
21	26	3	El Taldón	1978	X	50	-	50	1,000	-	1,000	250	-	1,250	1,200	1,440	200	-	1,640				
22	57	6	La Pichinga	1963	X	50	-	50	1,000	-	1,000	150	-	1,150	2,000	2,160	200	25	2,385				
23	42	4	"	1962	X	40	-	40	1,500	-	1,500	-	-	1,500	4,000	1,800	100	36	1,936				
24	31	5	El Pozo	1971	X	50	-	50	800	-	800	-	-	800	4,000	2,160	200	15	2,375				
25	44	11	La Pichinga	1976	X	50	-	50	-	-	-	-	-	3,500	2,160	200	-	2,360					
26	44	6	"	1963	X	15	70	85	400	1,600	2,000	-	-	2,000	620	2,520	200	30	2,750				
27	52	3	Los Pinos	1963	0	50	-	50	1,000	-	1,000	-	-	1,000	1,800	200	20	2,020					
28	48	5	La Pichinga	1977	X	45	-	45	-	-	-	60	-	60	1,000	1,800	-	-	1,800				
29	41	5	"	1979	X	50	-	50	-	-	-	-	-	-	4,000	2,400	200	170	2,770				
30	46	6	"	1979	X	42	-	42	-	-	-	500	-	500	1,600	2,160	200	30	2,390				
平均	42.4	6.7	-	-	-	43.6	3.0	46.6	878.3	163.6	1,042	1,042	197	1,239	6,905.7	3,240	-	8,336.5	185.8	42.3	2,249.5		

「聴取りによる農家 (AGLIPO 地域) 実態調査 (AGUACATE)」

順	年令	家族数	セクター名	人植年度	アグリコ 計画の 類型	土地所有面積 (Tavca)		農業収入 (RDS)		貸 入 (RDS)			借入金 (RDS)		家計支出 (RDS)							
						水田	その他	計	耕作	その他	計	土 地	家 屋	現 金	計	食 費	衣服	光熱	雑 費	計		
1	53	8	Rincon de Molenhillo	1976	X	60	-	60	4,000	-	4,000	4,240	12,300	3,000	-	15,300	7	2,160	150	18	2,328	
2	50	8	Molenhillo Los Riecos	1975	X	50	15	65	1,000	100	1,100	1,500	5,000	200	-	5,200	2,000	1,800	200	-	2,000	
3	35	6	Rincon de Molenhillo	1975	X	30	-	30	1,500	-	1,500	1,500	5,000	1,000	-	6,000	2,000	2,160	250	25	2,435	
4	55	6	El Agucate	1969	X	60	-	60	200	-	200	200	6,000	4,000	-	10,000	800	1,600	100	60	3,760	
5	35	4	"	1969	X	60	-	60	-	-	-	-	4,000	800	-	4,800	4,000	1,080	200	60	1,340	
6	60	6	Cruz San Rafael	1975	X	60	-	60	400	-	400	400	5,000	1,000	-	6,000	1,500	2,880	300	85	3,265	
7	64	1	Sector 4	1960	X	60	-	60	600	-	600	600	12,000	1,000	-	13,000	7	600	240	18	858	
8	62	11	Los haitiles	1964	X	50	10	60	1,000	-	1,000	1,000	5,000	600	-	5,600	7	1,800	200	48	2,048	
9	35	5	Rincon de Molenhillo	1971	X	60	-	60	2,000	-	2,000	2,000	6,000	-	-	6,000	1,000	1,800	200	156	2,156	
10	67	9	"	1972	X	60	-	60	-	-	-	600	12,000	300	-	12,300	7	2,880	300	-	3,180	
11	36	5	"	1979	X	60	-	60	-	-	-	-	3,000	2,500	-	5,500	1,500	2,160	200	108	2,468	
12	39	9	"	1975	X	50	-	50	800	-	800	800	2,500	1,500	-	4,000	1,900	1,800	250	-	2,050	
13	24	2	"	1976	X	50	-	50	-	-	-	750	3,000	700	-	3,700	7	1,440	100	18	1,558	
14	63	10	"	1967	X	30	29	59	-	380	380	380	16,400	1,200	-	17,600	185	1,800	400	24	2,224	
15	28	4	Cabrera de Molenhillo	1979	X	50	-	50	300	-	300	300	10,000	300	-	10,300	-	1,080	100	60	1,240	
16	34	8	Sector 4	1972	X	60	-	60	300	0	300	500	6,000	3,000	-	9,000	7,000	1,800	250	18	2,068	
17	46	5	El Agucate	1969	X	65	-	65	500	-	500	500	6,500	2,000	-	8,500	2,500	2,160	200	5	2,365	
18	37	7	Los haitiles	1973	X	60	-	60	-	-	-	-	5,000	4,000	-	9,000	-	1,440	80	20	1,560	
19	63	6	La mita del Agucate	1971	X	60	-	60	-	-	-	-	6,000	1,000	-	7,000	3,000	1,440	100	12	1,552	
20	40	8	"	1975	X	60	-	60	-	-	-	-	10,000	1,000	-	11,000	4,000	1,080	40	10	1,130	
合計	44.3	6.7				55.8	2.7	58.5	654	630	24	654	767.3	7,035	1,455	-	8,490	2,092	1,848	193	37.3	2,078.3

聴取りによる農家 (AGLIPO 地域) 実態調査 (Limon del Yuna)

農	年令	家族数	セクター名	入籍年度	アグリボ 計画の 知識	土地所有面積 (Tavena)			農業収入 (RDS)			総収入 (RDS)			資産 (RDS)			借入金 (RDS)			家計支出 (RDS)		
						水田	その他	計	稲作	その他	計	農業	その他	計	土地	家屋	現金	計	食	衣服	その他	計	
1	29	6	Guaraguano	1973	X	18	42	60	-	-	-	3,000	3,000	5,500	1,500	3,000	10,000	300	3,600	200	264	4,064	
2	54	8	Barranquito	1967	X	65	-	65	500	-	500	-	-	7,000	7,000	-	14,000	1,870	1,800	300	192	2,792	
3	34	8	Guaraguano	1969	X	60	-	60	200	-	200	-	-	12,000	3,000	-	15,000	?	2,160	100	45	2,305	
4	45	10	"	1967	X	60	-	60	300	-	300	-	-	7,000	12,000	-	19,000	1,670	2,520	200	24	2,744	
5	60	2	"	1967	X	60	-	60	500	-	500	-	-	17,000	12,000	-	29,000	?	1,440	100	36	1,576	
6	50	9	Sector No. 2	1967	X	60	-	60	500	-	500	-	-	7,000	7,000	-	14,000	?	1,800	50	24	1,874	
7	40	7	Guaraguano	1974	X	60	-	60	1,500	-	1,500	-	-	12,000	7,000	-	19,000	2,600	1,800	50	108	1,958	
8	43	9	"	1967	X	60	-	60	700	-	700	-	-	7,000	3,500	-	10,500	5,000	1,800	200	60	2,060	
9	68	5	Barranquito	1967	X	60	-	60	300	-	300	-	-	20,000	8,000	-	28,000	1,730	1,260	100	12	1,372	
10	45	9	"	1968	X	60	-	60	-	-	-	-	-	15,000	10,000	-	25,000	?	2,160	300	78	2,538	
11	50	6	"	1968	X	60	-	60	1,000	-	1,000	-	-	6,000	5,000	-	11,000	?	1,440	200	15	1,655	
12	45	10	"	1967	X	60	-	60	-	-	-	-	-	12,000	7,000	-	19,000	?	2,880	100	24	3,004	
13	45	10	Los Peñados	1975	X	60	-	60	-	-	-	-	-	10,000	800	-	10,800	?	2,880	400	20	3,300	
14	34	4	"	1976	X	60	-	60	900	-	900	-	-	10,000	7,000	-	17,000	?	2,880	200	72	3,152	
15	40	7	Guaraguano	1968	X	60	-	60	500	-	500	-	-	6,000	5,000	-	11,000	2,740	1,800	30	72	1,902	
16	31	3	Los Peñados	1978	X	60	-	60	600	-	600	-	-	6,000	400	-	6,400	2,000	1,800	50	72	1,922	
17	44	9	La Ceyba de los Palmares	1967	X	50	-	50	2,000	-	2,000	-	-	5,000	1,000	-	6,000	3,000	1,800	200	36	2,036	
18	71	9	Los Contorenas	1973	X	50	-	50	1,200	-	1,200	-	-	7,000	150	-	7,150	?	1,080	100	36	1,216	
19	50	5	Payabo	1973	X	50	-	50	150	-	150	-	-	5,000	400	-	5,400	4,000	1,800	150	24	1,974	
20	55	11	Guaraguano	1971	X	60	-	60	300	-	300	-	-	3,000	1,200	-	4,200	800	1,800	100	84	1,984	
Yuna	477	74				56.7	2.1	58.8	557.5	-	557.5	235	792.5	8,975	4,692.5	150	13,822.5	2,339	2,025	156.5	64.9	2,246.4	

付属資料 2.6.5 農家への融資額の内訳(1)

集団農家 — 1期作 —

	単位	数量	種 別	単 価	金 額	備 考
2. 田植準備						
耕 起	ha	1	機 械	3 1.8 0	3 1.8 0	
中 耕	ha	1	"	2 3.8 5	2 3.8 5	
ハ ロ 一	ha	1	"	1 5.9 0	1 5.9 0	
代 か き	ha	1	"	3 9.7 5	3 9.7 5	
土手作りと整地	ha	1	人 力	9 5.4 0	9 5.4 0	
苗代の手入れ	ha	1	"	1 3.5 2	1 3.5 2	
小 計					2 2 0 2 2	
3. 耕 作						
田 植	ha	1	人 力	8 7.4 5	8 7.4 5	
施 肥	ha	1	"	1 1.9 3	1 1.9 3	
除 草 剤	ha	1	"	1 9.8 8	1 9.8 8	
殺 虫 剤	ha	1	"	1 1.9 3	1 1.9 3	
殺 菌 剤	ha	1	"	1 1.9 3	1 1.9 3	
除 草	ha	1	"	9 5.4 0	9 5.4 0	
用 水 路 清 掃	ha	1	"	1 1.9 3	1 1.9 3	
土 寄 せ	ha	1	"			
小 計					2 5 0.4 5	
4. 消 費 材						
種 子	Kg	1155		0.48	55.44	
肥 料	Kg	3609	12-24-12	0.30	1082.7	
尿 素	Kg	289	尿 素	0.31	89.6	
殺 菌 剤	ℓ	1.7	カ ス ミ ン	85.0	144.5	
殺 虫 剤	ℓ	6.2	フ ェ リ ド - ル (R-48)	60.0	372.0	
除 草 剤	ℓ	95	プ ロ バ ニ ル	36.0	342.0	
狭 い 葉 用	ℓ	1.2	2 - 4 D	26.0	31.2	
広 い 葉 用	ℓ	1.2				
殺 鼠 剤	Kg	1.44	ラ ク ミ ン	0.22	3.17	
小 計					2 6 4 8.1	
5. 水 利						
水 利 費	ha	1	I N D R H I	5.57	5.57	
水 利 費	ha	1	I A D	7.95	7.95	
小 計					1 3 5.2	
6. 収 穫						
刈 取 り	ha	1	人 力	1 2 7.2 0	1 2 7.2 0	
脱 穀	ha	1	機 械		1 5.9 0	
袋 詰 め	ha	1			4 1.6 8	
運 搬 費	ha	1				
予 備 費	ha	1				
小 計					1 8 7.7 8	
合 計					9 3 6.7 8	

出典：IAD 計画課

農家への融資額の内訳(2)

集団農家 — 2期作 —

	単位	数量	種 別	単 価	金 額	備 考
2. 田植準備						
耕 起	ha	1	機 械	3 9 7 5	3 9.7 5	
中 耕	ha	1	"	3 1.8 0	3 1.8 0	
ハ ロ 一	ha	1	"	2 3.8 5	2 3.8 5	
代 か き	ha	1	"	4 7.7 0	4 7.7 0	
土手作りと整地	ha	1	人 力	9 5 4 0	9 5 4 0	
苗代の手入れ	ha	1	"	1 5 9 0	1 5 9 0	
小 計					2 5 4 4 0	
3. 耕 作						
田 植	ha	1	人 力	7 9.5 0	7 9.5 0	
施 肥	ha					
除 草 剤	ha	1	人 力	1 9.8 8	1 9.8 8	
殺 虫 剤	ha	1	"	1 1.9 3	1 1.9 3	
殺 菌 剤	ha	1	"	7 9 5	7 9 5	
除 草	ha	1	"	9 5 4 0	9 5 4 0	
用 水 路 清 掃	ha	1	"	1 5 9 0	1 5 9 0	
土 寄 せ	ha					
小 計					2 3 0 5 6	
4 消 費 材						
種 子	Kg	1 1 5 5		0 4 8	5 5 4 4	
肥 料	Kg	5 4 1 4	1 5 - 1 5 - 1 5	0 2 6	1 4 0 7 6	
尿 素	Kg	5 0.5	尿 素	0.3 1	1 5 6 6	
殺 菌 剤	ℓ	1.4	カ ス ミ ン	8 5 0	1 1.9 0	
殺 虫 剤	ℓ	2 6	モ ニ タ ー ル 6 0 0	1 3 0 0	3 3.8 0	
除 草						
狭 い 薬 用	ℓ	8 7	ブ ロ バ ニ ル	3.6 0	3 1.3 2	
広 い 薬 用	ℓ	1.3	2 - 4 D	2 6 0	3.3 8	
殺 鼠 剤	Kg	1 4.4	ラ ク ミ ン	0 2 2	3.1 7	
小 計					2 9 5 4 3	
5 水 利						
水 利 費	ha					
水 利 費	ha					
小 計						
6 収 穫						
刈 取 り	ha	1	人 力	1 2 7 2 0	1 2 7.2 0	
脱 穀						
袋 詰 め						
運 予 備 費	ha				9 1.1 1	
小 計					2 1 8.3 1	
合 計					9 9 8 7 0	

出典：I A D 計画課

農家への融資額の内訳(3)

個人 — 1期作 —

	単位	数量	種 別	単 価	金 額	備 備
2 田植準備	㌔					
耕 起	㌔	1	機 械	39.75	3975	
中 耕	㌔	1	"	31.80	3180	
ハロ一	㌔	1	"	23.85	2385	
代かき	㌔	1	"	39.75	3975	
土手作りと整地	㌔	1	人 力	95.40	9540	
苗代の手入れ	㌔	1	"	13.52	1352	
小 計					24407	
3 耕 作						
田 植	㌔	1		79.50	79.50	
施 肥	㌔	1	人 力	3.98	3.98	
除 草 剤	㌔	1	"	198.8	198.8	
殺 虫 剤	㌔	2	"	7.16	14.32	
殺 菌 剤	㌔	1	"	3.98	3.98	
除 草	㌔	2	"	39.75	79.50	
用水路清掃	㌔	2	"	6.04	12.08	
土 寄 せ	㌔					
小 計					21324	
4 消費材						
種 子	Kg	1155		0.48	554.4	
肥 料	Kg	1732	12-24-12	0.29	502.3	
尿 素	Kg	650	尿 薬	0.31	201.5	
殺 菌 剤	ℓ	1.2	ヒノサン	1000	1200	
殺 虫 剤	ℓ	30	モントール 600	12.60	378.0	
除 草 剤	ℓ					
狭い薬用	ℓ	95	プロパニル	3.60	342.0	
広い薬用	ℓ	15	2-4D	2.60	39.0	
殺 鼠 剤	Kg	144	ラクミン	0.22	31.7	
小 計					2168.9	
5 水 利						
水 利 費	㌔	1	IMDRHI	5.57	5.57	
水 利 費	㌔	1	IAD	7.95	7.95	
小 計				13.52	13.52	
6. 収 穫						
蒞 取 り	㌔	636	人 力	1.50	95.40	
蒞 脱 殺						
袋 詰 め	㌔	636	畜 力	0.25	159.0	
運 搬						
予 備 費					79.82	
小 計					1911.2	
合 計					8788.4	

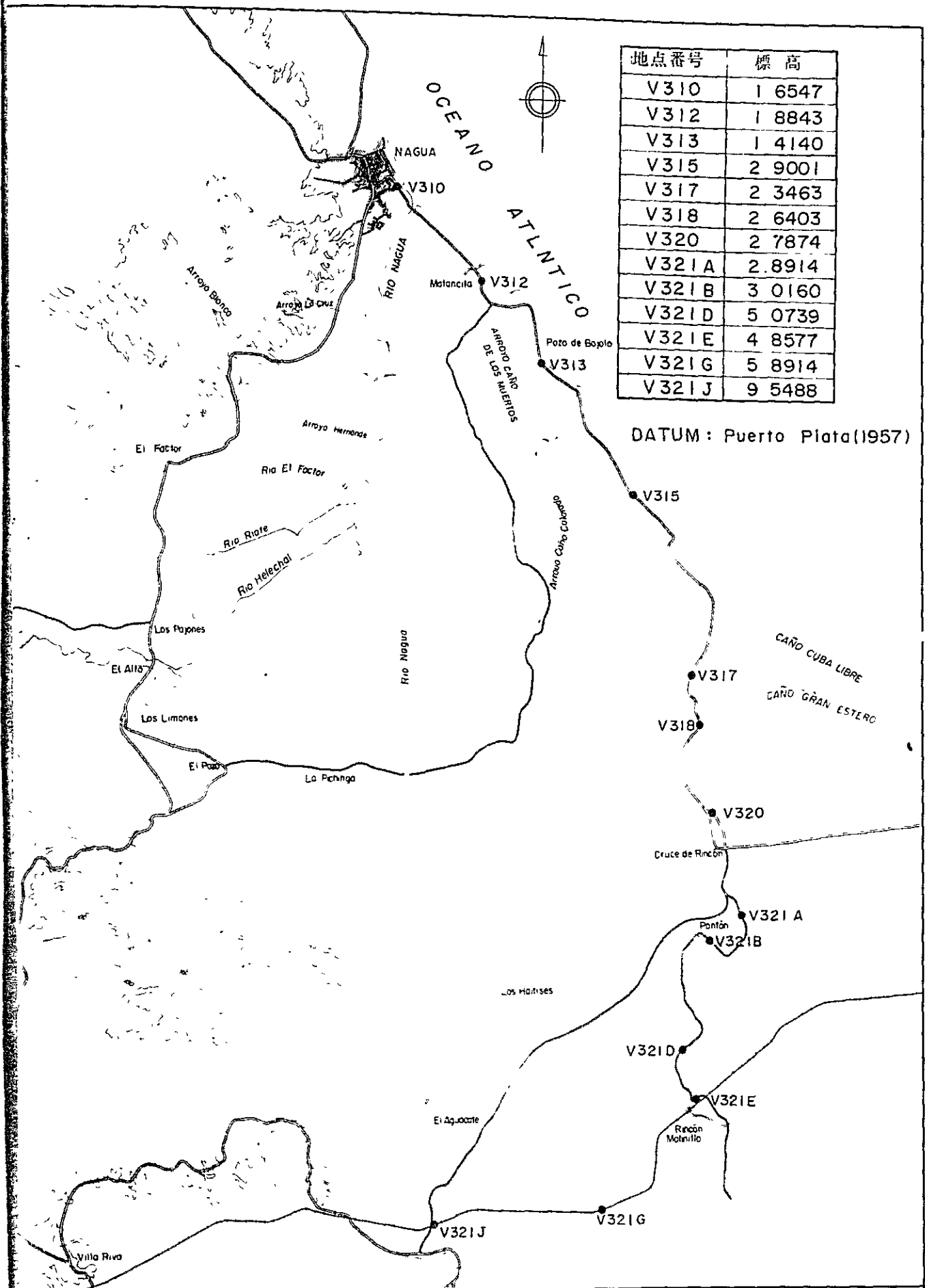
出典：IAD 計画課

農家への融資額の内訳(4)

個人 — 2期作 —

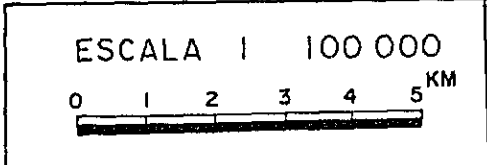
	単位	数量	種別	単価	金額	備考
2 田植準備						
耕起	ha	1	機械	143.10	143.10	
中耕	ha					
ハロ	ha					
代かき	ha					
土手作りと整地	ha	1	人力	9540	9540	
苗代の手入れ	ha	1	#	1352	1352	
小計					25202	
3. 耕作						
田植	ha	1	人力	8745	8745	
施肥	ha					
除草剤	ha	1	人力	1988	1988	
殺虫剤	ha	1	#	2783	2783	
殺菌剤	ha	1	#	636	636	
除草	ha	1	#	9540	9540	
水路清掃	ha					
土寄せ	ha					
小計					23692	
4 消費材						
種子	Kg	1154		048	5539	
肥料	Kg	447.6	12-24-12	029	12980	
尿素	Kg	46.9	尿素	031	1454	
殺菌剤	Kg	3.1	ディグネン 45	386	1197	
殺虫剤	Kg	289	フラダレ	119	3439	
除草剤						
狭い薬用	ℓ	9.5	プロパニル	360	3420	
広い薬用	ℓ	13	2-4D	260	338	
殺鼠剤	Kg	144	ラクミン	022	317	
小計					28684	
5 水利						
水利費	ha	1	INDRHI	557	557	
水利費	ha	1	IAD	795	795	
小計				1352	1352	
6 収穫						
刈取り						
脱穀	ha	1	人力	9540	9540	
袋詰め						
搬送	ha	1	自動車		2385	
予備費					4532	
小計					16457	
合計					95387	

出典：IAD 計画課



地点番号	標高
V310	1 6547
V312	1 8843
V313	1 4140
V315	2 9001
V317	2 3463
V318	2 6403
V320	2 7874
V321A	2.8914
V321B	3 0160
V321D	5 0739
V321E	4 8577
V321G	5 8914
V321J	9 5488

DATUM: Puerto Plata(1957)



付属資料 271
ベンチマーク位置図

JICA