POTENCIAL TEORICO DEL RIO LLAUCANO 2/12/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE TINGO MED						
16	6.0	2850.0	1.3	0.0							0.00
					3.0	255.0	8.50	1.50	3.75	1.25	
17	3.0	2595.0	1.7	0.0							3.75
			SUBTOTAL		3.0	255.0			3.75	1.25	
					AFLUENTE TINGO INF						
17	3.0	2595.0	1.7	0.0							0.00
					3.0	115.0	3.83	1.76	1.99	0.66	
18	0.0	2480.0	1.8	0.0							1.99
			SUBTOTAL		3.0	115.0			1.99	0.66	
					AFLUENTE PARAGUARAN						
19	9.0	3325.0	0.2	0.0							0.00
					9.0	1000.0	11.11	0.75	7.37	0.82	
20	0.0	2325.0	1.3	0.0							7.37
			SUBTOTAL		9.0	1000.0			7.37	0.82	
					AFLUENTE SHUGAR SUP						
21	11.0	2750.0	0.1	0.0							0.00
					7.0	300.0	4.29	0.60	1.75	0.25	
22	4.0	2450.0	1.1	0.0							1.75
			SUBTOTAL		7.0	300.0			1.75	0.25	
					AFLUENTE SHUGAR INF						
22	4.0	2450.0	1.1	0.0							0.00
					4.0	150.0	3.75	1.15	1.69	0.42	
23	0.0	2300.0	1.2	0.0							1.69
			SUBTOTAL		4.0	150.0			1.69	0.42	
					AFLUENTE CHONTA SUP						
24	16.0	3300.0	0.0	0.0							0.00
					13.0	400.0	3.08	0.70	2.76	0.21	
25	3.0	2900.0	1.4	0.0							2.76
			SUBTOTAL		13.0	400.0			2.76	0.21	
					AFLUENTE CHONTA INF						
25	3.0	2900.0	1.4	0.0							0.00
					3.0	970.0	32.33	1.67	15.92	5.31	
26	0.0	1950.0	1.9	0.0							15.92
			SUBTOTAL		3.0	970.0			15.92	5.31	
					AFLUENTE CONCHAN SUP						
27	22.0	2800.0	0.0	0.0							0.00
					4.0	530.0	13.25	1.22	6.33	1.58	
28	18.0	2270.0	2.4	0.0							6.33
					2.0	45.0	2.25	2.76	1.22	0.61	
29	16.0	2225.0	3.1	0.0							7.55
			SUBTOTAL		6.0	575.0			7.55	1.26	
					AFLUENTE CONCHAN INF						
29	16.0	2225.0	3.1	0.0							0.00
					6.0	275.0	4.58	4.53	12.23	2.04	
30	10.0	1950.0	6.0	0.0							12.23
					10.0	350.0	3.50	7.03	24.12	2.41	
31	0.0	1600.0	8.1	0.0							36.35
			SUBTOTAL		16.0	625.0			36.35	2.27	

POTENCIAL TEORICO DEL RIO LLAUCANO 2/12/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
											0.00
32	40.0	2800.0	0.0	0.0	12.0	720.0	6.00	1.43	10.10	0.84	
											10.10
33	28.0	2080.0	2.9	0.0	10.0	355.0	3.55	3.88	13.52	1.35	
											23.62
34	18.0	1725.0	4.9	0.0	10.0	125.0	1.25	6.51	7.98	0.80	
											31.60
35	8.0	1600.0	8.1	8.1	8.0	750.0	9.37	17.00	125.07	15.63	
											156.68
36	0.0	850.0	17.8	0.0							
			SUBTOTAL		40.0	1950.0			156.68	3.92	

AFLUENTE CUTERVO

											0.00
37	106.0	4000.0	0.0	0.0	19.0	1190.0	6.26	1.53	17.89	0.94	
											17.89
38	87.0	2810.0	3.0	1.2	2.0	110.0	5.50	4.26	4.60	2.30	
											22.49
39	85.0	2700.0	4.3	1.5	4.0	100.0	2.50	6.07	5.96	1.49	
											28.45
40	81.0	2600.0	6.3	0.0							
			SUBTOTAL		25.0	1400.0			28.45	1.14	

AFLUENTE LLAUCANO A

											0.00
40	81.0	2600.0	6.3	0.0	5.0	56.0	1.12	6.44	3.54	0.71	
											3.54
41	76.0	2544.0	6.6	2.1	1.0	4.0	0.40	8.69	0.34	0.34	
											3.88
42	75.0	2540.0	8.7	0.9	1.0	5.0	0.50	8.90	0.44	0.44	
											4.32
43	74.0	2535.0	8.2	0.2	1.0	35.0	3.50	8.37	2.87	2.87	
											7.19
44	73.0	2500.0	8.4	0.0							
			SUBTOTAL		8.0	100.0			7.19	0.90	

AFLUENTE LLAUCANO B

											0.00
44	73.0	2500.0	8.4	0.0	2.0	20.0	1.00	8.49	1.66	0.83	
											1.66
45	71.0	2480.0	8.6	1.8	6.0	155.0	2.58	11.88	18.06	3.01	
											19.73
46	65.0	2325.0	13.4	1.3	1.0	25.0	2.50	14.79	3.63	3.63	
											23.35
47	64.0	2300.0	14.9	1.2	1.0	60.0	6.00	16.36	9.63	9.63	
											32.99
48	63.0	2240.0	16.6	0.0							
			SUBTOTAL		10.0	260.0			32.99	3.30	

AFLUENTE LLAUCANO C

											0.00
48	63.0	2240.0	16.6	0.0	7.0	310.0	4.43	16.87	51.31	7.33	
											51.31
49	56.0	1930.0	17.1	1.9	8.0	80.0	1.00	20.23	15.87	1.98	
											67.18
50	48.0	1850.0	21.4	0.0	6.0	250.0	4.17	22.17	54.37	9.06	
											121.56
51	42.0	1600.0	23.0	0.0	10.0	300.0	3.00	24.04	70.74	7.07	
											192.29
52	32.0	1300.0	25.1	17.8	10.0	450.0	4.50	44.21	195.15	19.51	
											387.44
53	22.0	850.0	45.5	0.0	12.0	200.0	1.67	48.14	94.45	7.87	
											481.89
54	10.0	650.0	50.8	0.0	10.0	55.0	0.55	52.12	28.12	2.81	
											510.01
55	0.0	595.0	53.5	0.0							
			SUBTOTAL		63.0	1645.0			510.01	8.10	

AFLUENTE LLAUCANO D

****

EL POTENCIAL TEORICO TOTAL DEL RIO CHAMAYA ES DE 728.6 MW

Y TIENE UNA LONGITUD ACUMULADA DE 197.0 KM

Y UN POTENCIAL ESPECIFICO DE 3.70 MW/KM

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POTENCIAL TEORICO DEL RIO CHAMAYA 2/12/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE CALLAYUC											
1	16.0	2000.0	0.2	0.0							0.00
					16.0	1050.0	6.56	0.84	8.64	0.54	
2	0.0	950.0	1.5	0.0							8.64
		SUBTOTAL			16.0	1050.0			8.64	0.54	
AFLUENTE STA CRUZ											
3	23.0	2700.0	0.3	0.0							0.00
					16.0	1750.0	10.94	1.79	30.69	1.92	
4	7.0	950.0	3.3	1.5							30.69
					7.0	200.0	2.86	5.15	10.10	1.44	
5	0.0	750.0	5.5	0.0							40.79
		SUBTOTAL			23.0	1950.0			40.79	1.77	
AFLUENTE COCO											
6	20.0	2000.0	0.4	0.0							0.00
					20.0	1295.0	6.48	1.66	21.32	1.07	
7	0.0	705.0	3.0	0.0							21.32
		SUBTOTAL			20.0	1295.0			21.32	1.07	
AFLUENTE ANTA											
8	16.0	2850.0	1.8	0.0							0.00
					16.0	1150.0	7.19	4.38	49.44	3.09	
9	0.0	1700.0	7.0	0.0							49.44
		SUBTOTAL			16.0	1150.0			49.44	3.09	
AFLUENTE BUTO SUP											
10	16.0	1950.0	0.6	0.0							0.00
					10.0	450.0	4.50	1.33	5.88	0.59	
11	6.0	1500.0	2.1	0.0							5.88
		SUBTOTAL			10.0	450.0			5.88	0.59	
AFLUENTE BUTO INF											
11	6.0	1500.0	2.1	0.0							0.00
					6.0	550.0	9.17	2.43	13.14	2.19	
12	0.0	950.0	2.8	0.0							13.14
		SUBTOTAL			6.0	550.0			13.14	2.19	
AFLUENTE BARBASCO SUP											
13	16.0	1950.0	0.1	0.0							0.00
					11.0	500.0	4.55	0.17	0.85	0.08	
14	5.0	1450.0	0.2	0.0							0.85
		SUBTOTAL			11.0	500.0			0.85	0.08	
AFLUENTE BARBASCO INF											
14	5.0	1450.0	0.2	0.0							0.00
					5.0	610.0	12.20	0.24	1.44	0.29	
15	0.0	840.0	0.3	0.0							1.44
		SUBTOTAL			5.0	610.0			1.44	0.29	

POTENCIAL TEORICO DEL RIO CHAMAYA 2/12/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE CHONTALI 'A'						
16	42.0	2900.0	0.8	0.0							0.00
					20.0	1200.0	6.00	5.13	60.43	3.02	
17	22.0	1700.0	9.4	7.0							60.43
					10.0	750.0	7.50	20.26	149.05	14.91	
18	12.0	950.0	24.1	0.0							209.48
			SUBTOTAL		30.0	1950.0			209.48	6.98	
					AFLUENTE CHONTALI 'B'						
18	12.0	950.0	24.1	0.0							0.00
					2.0	50.0	2.50	24.16	11.85	5.93	
19	10.0	900.0	24.2	2.8							11.85
					4.0	60.0	1.50	27.23	16.03	4.01	
20	6.0	840.0	27.5	0.3							27.88
					3.0	130.0	4.33	27.87	35.54	11.85	
21	3.0	710.0	28.0	0.0							63.42
			SUBTOTAL		9.0	240.0			63.42	7.05	
					AFLUENTE CHONTALI 'C'						
21	3.0	710.0	28.0	0.0							0.00
					3.0	50.0	1.67	29.30	14.37	4.79	
22	0.0	660.0	30.6	0.0							14.37
			SUBTOTAL		3.0	50.0			14.37	4.79	
					AFLUENTE CHAMAYA SUP						
23	48.0	840.0	61.6	0.0							0.00
					7.0	40.0	0.57	63.56	24.94	3.56	
24	41.0	800.0	65.5	0.0							24.94
			SUBTOTAL		7.0	40.0			24.94	3.56	
					AFLUENTE CHAMAYA INF						
24	41.0	800.0	65.5	0.0							0.00
					8.0	50.0	0.62	66.68	32.71	4.09	
25	33.0	750.0	67.9	5.5							32.71
					3.0	45.0	1.50	73.54	32.46	10.82	
26	30.0	705.0	73.7	3.0							65.17
					5.0	45.0	0.90	77.23	34.09	6.82	
27	25.0	660.0	77.8	30.6							99.27
					5.0	50.0	1.00	109.68	53.80	10.76	
28	20.0	610.0	111.0	0.0							153.06
					20.0	110.0	0.55	112.91	121.85	6.09	
29	0.0	500.0	114.9	0.0							274.91
			SUBTOTAL		41.0	300.0			274.91	6.71	

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*                                                                        *
* EL POTENCIAL TEORICO TOTAL DEL RIO HUANCABAMBA  ES DE    310.2  MW    *
*                                                                        *
*                      Y TIENE UNA LONGITUD ACUMULADA DE    301.0  KM    *
*                                                                        *
*                         Y UN POTENCIAL ESPECIFICO DE      1.03 MW/KM *
*                                                                        *
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POTENCIAL TEORICO DEL RIO HUANCABAMBA 2/ 8/79

I	L	H	Q	AFO	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE CHORRO											
1	11.0	3350.0	0.0	0.0							0.00
					11.0	700.0	6.36	0.57	3.93	0.36	
2	0.0	2650.0	1.1	0.0							3.93
		SUBTOTAL			11.0	700.0			3.93	0.36	
AFLUENTE QDA GRANDE											
3	15.0	2700.0	0.0	0.0							0.00
					5.0	470.0	9.40	0.16	0.72	0.14	
4	10.0	2230.0	0.3	0.0							0.72
					10.0	630.0	6.30	0.53	3.28	0.33	
5	0.0	1600.0	0.8	0.0							4.00
		SUBTOTAL			15.0	1100.0			4.00	0.27	
AFLUENTE HUARMARCA											
6	25.0	2400.0	0.0	0.0							0.00
					5.0	355.0	7.10	0.07	0.24	0.05	
7	20.0	2045.0	0.1	0.0							0.24
					8.0	445.0	5.56	0.44	1.91	0.24	
8	12.0	1600.0	0.7	0.8							2.16
					12.0	348.0	2.90	1.72	5.86	0.49	
9	0.0	1252.0	1.9	0.0							8.01
		SUBTOTAL			25.0	1148.0			8.01	0.32	
AFLUENTE PIQUIJACA											
10	24.0	3000.0	0.0	0.0							0.00
					4.0	800.0	20.00	0.12	0.98	0.24	
11	20.0	2200.0	0.2	0.0							0.98
					10.0	650.0	6.50	0.38	2.45	0.25	
12	10.0	1550.0	0.5	0.0							3.43
					10.0	365.0	3.65	0.72	2.56	0.26	
13	0.0	1185.0	0.9	0.0							5.99
		SUBTOTAL			24.0	1815.0			5.99	0.25	
AFLUENTE YERMA SUP											
14	28.0	3550.0	0.0	0.0							0.00
					6.0	650.0	10.83	0.06	0.36	0.06	
15	22.0	2900.0	0.1	0.0							0.36
					10.0	850.0	8.50	0.39	3.25	0.32	
16	12.0	2050.0	0.7	0.0							3.61
					10.0	880.0	8.80	0.83	7.20	0.72	
17	2.0	1170.0	1.0	0.0							10.82
		SUBTOTAL			26.0	2380.0			10.82	0.42	
AFLUENTE YERMA INF											
17	2.0	1170.0	1.0	0.0							0.00
					2.0	105.0	5.25	1.05	1.08	0.54	
18	0.0	1065.0	1.1	0.0							1.08
		SUBTOTAL			2.0	105.0			1.08	0.54	

POTENCIAL TEORICO DEL RIO HUANCABAMBA 2/ 8/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE CANARIACOSUP											
19	26.0	3400.0	0.0	0.0							0.00
					4.0	575.0	14.37	0.24	1.37	0.34	
20	22.0	2825.0	0.5	0.0							1.37
					10.0	735.0	7.35	0.94	6.79	0.68	
21	12.0	2090.0	1.4	0.0							8.16
					10.0	690.0	6.90	1.71	11.55	1.16	
22	2.0	1400.0	2.0	0.0							19.72
			SUBTOTAL		24.0	2000.0			19.72	0.82	
AFLUENTE CANARIACOINF											
22	2.0	1400.0	2.0	0.0							0.00
					2.0	385.0	19.25	2.03	7.66	3.83	
23	0.0	1015.0	2.1	0.0							7.66
			SUBTOTAL		2.0	385.0			7.66	3.83	
AFLUENTE QUISMALACHEA											
24	27.0	3400.0	0.0	0.0							0.00
					15.0	1920.0	12.80	0.84	15.86	1.06	
25	12.0	1480.0	1.7	0.0							15.86
					10.0	435.0	4.35	2.08	8.89	0.89	
26	2.0	1045.0	2.5	0.0							24.74
			SUBTOTAL		25.0	2355.0			24.74	0.99	
AFLUENTE QUISMALACHEB											
26	2.0	1045.0	2.5	0.0							0.00
					2.0	60.0	3.00	2.57	1.51	0.76	
27	0.0	985.0	2.6	0.0							1.51
			SUBTOTAL		2.0	60.0			1.51	0.76	
AFLUENTE HUANCABAMBAA											
28	145.0	3600.0	0.0	0.0							0.00
					11.0	950.0	8.64	0.43	3.99	0.36	
29	134.0	2650.0	0.8	1.1							3.99
					7.0	475.0	6.79	3.10	14.44	2.06	
30	127.0	2175.0	4.2	0.0							18.43
					10.0	28.0	0.28	6.05	1.66	0.17	
31	117.0	2147.0	7.9	0.0							20.09
					10.0	400.0	4.00	8.89	34.87	3.49	
32	107.0	1747.0	9.9	0.0							54.96
					10.0	239.0	2.39	10.83	25.39	2.54	
33	97.0	1508.0	11.7	0.0							80.35
					10.0	13.0	0.13	12.73	1.62	0.16	
34	87.0	1495.0	13.7	0.0							81.97
					9.0	75.0	0.83	14.13	10.40	1.16	
35	78.0	1420.0	14.5	0.0							92.37
					10.0	90.0	0.90	15.25	13.47	1.35	
36	68.0	1330.0	16.0	0.0							105.84
					10.0	78.0	0.78	16.90	12.93	1.29	
37	58.0	1252.0	17.8	1.9							118.77
					5.0	32.0	0.64	20.04	6.29	1.26	
38	53.0	1220.0	20.3	0.0							125.06
			SUBTOTAL		92.0	2380.0			125.06	1.36	
AFLUENTE HUANCABAMBAB											
38	53.0	1220.0	20.3	0.0							0.00
					7.0	36.0	0.51	20.69	7.31	1.04	
39	46.0	1184.0	21.1	0.9							7.31
					12.0	84.0	0.70	22.34	18.41	1.53	
40	34.0	1100.0	22.7	0.0							25.72
			SUBTOTAL		19.0	120.0			25.72	1.35	
AFLUENTE HUANCABAMBAC											
40	34.0	1100.0	22.7	0.0							0.00
					4.0	35.0	0.87	23.86	8.19	2.05	
41	30.0	1065.0	25.0	1.1							8.19
					6.0	50.0	0.83	26.59	13.04	2.17	
42	24.0	1015.0	27.1	2.1							21.24
					4.0	30.0	0.75	29.26	8.61	2.15	
43	20.0	985.0	29.4	2.6							29.85
					1.0	15.0	1.50	32.13	4.73	4.73	
44	19.0	970.0	32.2	0.0							34.58
			SUBTOTAL		15.0	130.0			34.58	2.31	
AFLUENTE HUANCABAMBAD											
44	19.0	970.0	32.2	0.0							0.00
					9.0	55.0	0.61	32.71	17.65	1.96	
45	10.0	915.0	33.2	0.0							17.65
					10.0	60.0	0.60	33.53	19.74	1.97	
46	0.0	855.0	33.8	0.0							37.39
			SUBTOTAL		19.0	115.0			37.39	1.97	

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*                                                                        *
* EL POTENCIAL TEORICO TOTAL DEL RIO CHOTANO       ES DE     533.5  MW   *
*                                                                        *
*                        Y TIENE UNA LONGITUD ACUMULADA DE     183.0  KM  *
*                                                                        *
*                             Y UN POTENCIAL ESPECIFICO DE       1.82 MW/KM *
*                                                                        *
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POTENCIAL TEORICO DEL RIO CHOTANO 27/6/79

I	L	H	Q	AFQ	DL	DH	PE	NC	POT	ESP	COM
AFLUENTE CHONGOYAP.A											
1	16.0	3350.0	0.1	0.0							0.00
					12.0	1850.0	15.42	1.78	32.27	2.69	
2	4.0	1500.0	3.5	0.0							32.27
		SUBTOTAL			12.0	1850.0			32.27	2.69	
AFLUENTE CHONGOYAP.B											
2	4.0	1500.0	3.5	0.0							0.00
					4.0	240.0	6.00	3.56	8.54	2.10	
3	0.0	1260.0	3.6	0.0							8.54
		SUBTOTAL			4.0	240.0			8.54	2.10	
AFLUENTE CALUCAN SUP											
4	20.0	3200.0	0.1	0.0							0.00
					15.0	1750.0	11.67	1.50	25.79	1.72	
4	5.0	1450.0	2.9	0.0							25.79
		SUBTOTAL			15.0	1750.0			25.79	1.72	
AFLUENTE CALUCAN INF											
5	5.0	1450.0	2.9	0.0							0.00
					5.0	400.0	8.00	2.92	11.48	2.30	
	0.0	1050.0	2.9	0.0							11.48
		SUBTOTAL			5.0	400.0			11.48	2.30	
AFLUENTE PALTIC SUP											
7	31.0	3400.0	0.0	0.0							0.00
					10.0	1480.0	14.80	1.04	15.11	1.51	
5	21.0	1920.0	2.1	3.6							15.11
					10.0	660.0	6.60	6.19	40.07	4.01	
9	11.0	1260.0	6.7	0.0							55.18
					5.0	140.0	2.80	6.79	9.32	1.86	
10	6.0	1120.0	6.9	3.0							64.51
		SUBTOTAL			25.0	2280.0			64.51	2.58	
AFLUENTE PALTIC INF											
10	6.0	1120.0	6.9	3.0							0.00
					3.0	70.0	2.33	9.99	6.86	2.29	
11	3.0	1050.0	10.0	0.0							6.86
					3.0	50.0	1.67	10.05	4.93	1.64	
12	0.0	1000.0	10.1	0.0							11.79
		SUBTOTAL			6.0	120.0			11.79	1.97	
AFLUENTE SAUCES SUP											
13	25.0	3500.0	0.1	0.0							0.00
					10.0	1425.0	14.25	0.74	10.30	1.03	
14	15.0	2075.0	1.4	0.0							10.30
					10.0	950.0	9.50	1.96	18.26	1.83	
15	5.0	1125.0	2.5	0.0							28.56
		SUBTOTAL			20.0	2375.0			28.56	1.43	

POTENCIAL TEORICO DEL RIO CHOTANO 2/ 8/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE SAUCES INF											
15	5.0	1125.0	2.5	0.0							0.00
					5.0	235.0	4.70	2.53	5.83	1.17	
16	0.0	890.0	2.6	0.0							5.83
			SUBTOTAL		5.0	235.0			5.83	1.17	
AFLUENTE CHOTANO A											
17	91.0	3150.0	0.2	0.0							0.00
					14.0	940.0	6.71	4.01	36.94	2.64	
18	77.0	2210.0	7.8	0.0							36.94
					7.0	140.0	2.00	7.12	9.78	1.40	
19	70.0	2070.0	6.4	0.0							46.72
			SUBTOTAL		21.0	1080.0			46.72	2.22	
AFLUENTE CHOTANO B											
19	70.0	2070.0	6.4	0.0							0.00
					15.0	570.0	2.47	7.04	25.54	1.70	
20	55.0	1700.0	7.7	0.0							25.54
					10.0	200.0	2.00	6.99	13.71	1.37	
21	45.0	1500.0	6.3	0.0							39.25
			SUBTOTAL		25.0	570.0			39.25	1.57	
AFLUENTE CHOTANO C											
21	45.0	1500.0	6.3	0.0							0.00
					10.0	225.0	2.25	6.58	14.52	1.45	
22	35.0	1275.0	6.9	0.0							14.52
					8.0	150.0	1.87	7.03	10.35	1.29	
23	27.0	1125.0	7.2	0.0							24.87
					10.0	125.0	1.25	7.33	8.98	0.90	
24	17.0	1000.0	7.4	10.1							33.86
					12.0	110.0	0.92	17.66	19.06	1.59	
25	5.0	890.0	17.8	2.6							52.91
					3.0	15.0	0.50	20.39	3.00	1.00	
26	2.0	875.0	20.4	0.0							55.91
			SUBTOTAL		43.0	625.0			55.91	1.30	
AFLUENTE CHOTANO D											
26	2.0	875.0	20.4	0.0							0.00
					2.0	15.0	0.75	20.42	3.00	1.50	
27	0.0	860.0	20.4	0.0							3.00
			SUBTOTAL		2.0	15.0			3.00	1.50	

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* EL POTENCIAL TEORICO TOTAL DEL RIO CHINCHIPE ES DE 813.7 MW *

* Y TIENE UNA LONGITUD ACUMULADA DE 375.0 KM *

* Y UN POTENCIAL ESPECIFICO DE 2.17 MW/KM *

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POTENCIAL TEORICO DEL RIO CHINCHIPE 2/ 8/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE ISIMACHE						
1	40.0	1100.0	0.9	0.0							0.00
					20.0	140.0	0.70	3.43	4.70	0.24	
2	20.0	960.0	5.9	0.0							4.70
					20.0	140.0	0.70	7.59	10.43	0.52	
3	0.0	820.0	9.2	0.0							15.13
			SUBTOTAL		40.0	280.0			15.13	0.38	
					AFLUENTE BLANCO						
4	22.0	2950.0	0.3	0.0							0.00
					22.0	1950.0	8.86	1.61	30.86	1.40	
5	0.0	1000.0	2.9	0.0							30.86
			SUBTOTAL		22.0	1950.0			30.86	1.40	
					AFLUENTE CANCHIS						
6	40.0	2800.0	0.3	0.0							0.00
					20.0	1800.0	9.00	4.72	83.32	4.17	
7	20.0	1000.0	9.1	2.9							83.32
					20.0	250.0	1.25	14.43	35.39	1.77	
8	0.0	750.0	16.8	0.0							118.71
			SUBTOTAL		40.0	2050.0			118.71	2.97	
					AFLUENTE SANFRANCISCO						
9	21.0	2650.0	0.9	0.0							0.00
					21.0	1970.0	9.38	1.96	37.89	1.80	
10	0.0	680.0	3.0	0.0							37.89
			SUBTOTAL		21.0	1970.0			37.89	1.80	
					AFLUENTE STAAGUEDA						
11	21.0	1900.0	0.4	0.0							0.00
					21.0	1140.0	5.43	6.02	67.36	3.21	
12	0.0	760.0	11.6	0.0							67.36
			SUBTOTAL		21.0	1140.0			67.36	3.21	
					AFLUENTE CHIRINOS						
13	65.0	1400.0	0.4	0.0							0.00
					28.0	640.0	2.29	2.22	13.95	0.50	
14	37.0	760.0	4.1	11.6							13.95
					17.0	160.0	0.94	17.96	28.20	1.66	
15	20.0	600.0	20.3	0.0							42.15
					20.0	112.0	0.56	24.37	26.78	1.34	
16	0.0	488.0	28.5	0.0							68.93
			SUBTOTAL		65.0	912.0			68.93	1.06	
					AFLUENTE SHUMBA						
17	21.0	1950.0	1.1	0.0							0.00
					21.0	1495.0	7.12	3.21	47.15	2.25	
18	0.0	455.0	5.3	0.0							47.15
			SUBTOTAL		21.0	1495.0			47.15	2.25	
					AFLUENTE CHINCHIPE						
19	145.0	1500.0	0.8	0.0							0.00
					30.0	250.0	0.83	4.63	11.34	0.38	
20	115.0	1250.0	8.4	0.0							11.34
					20.0	350.0	1.75	20.09	68.98	3.45	
21	95.0	900.0	31.8	9.2							80.32
					10.0	120.0	1.20	44.36	52.23	5.22	
22	85.0	780.0	47.7	16.8							132.55
					10.0	100.0	1.00	65.46	64.21	6.42	
23	75.0	680.0	66.4	3.0							196.76
					10.0	80.0	0.80	70.42	55.26	5.53	
24	65.0	600.0	71.5	0.0							252.03
					20.0	112.0	0.56	76.73	84.31	4.22	
25	45.0	488.0	82.0	28.5							336.34
					13.0	13.0	0.10	156.48	19.96	1.54	
26	32.0	475.0	202.5	0.0							356.29
					12.0	20.0	0.17	204.19	40.06	3.34	
27	20.0	455.0	205.9	5.3							396.35
					20.0	15.0	0.07	212.88	31.33	1.57	
28	0.0	440.0	214.6	0.0							427.68
			SUBTOTAL		145.0	1060.0			427.68	2.95	

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* EL POTENCIAL TEORICO TOTAL DEL RIO TABACONAS ES DE 888.5 MW *

* Y TIENE UNA LONGITUD ACUMULADA DE 225.0 KM *

* Y UN POTENCIAL ESPECIFICO DE 3.95 MW/KM *

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POTENCIAL TEORICO DEL RIO TABACONAS 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE MANCHARASUP						
1	20.0	3000.0	0.5	0.0							0.00
					10.0	1000.0	10.00	0.74	7.22	0.72	
2	10.0	2000.0	1.0	0.0							7.22
			SUBTOTAL		10.0	1000.0			7.22	0.72	
					AFLUENTE MANCHARAINF						
2	10.0	2000.0	1.0	0.0							0.00
					10.0	500.0	5.00	1.63	7.98	0.80	
3	0.0	1500.0	2.3	0.0							7.98
			SUBTOTAL		10.0	500.0			7.98	0.80	
					AFLUENTE ANANUALLA						
4	40.0	2950.0	0.3	0.0							0.00
					20.0	1250.0	6.25	2.68	32.89	1.64	
5	20.0	1700.0	5.0	0.0							32.89
					20.0	600.0	3.00	8.04	47.32	2.37	
6	0.0	1100.0	11.0	0.0							80.21
			SUBTOTAL		40.0	1850.0			80.21	2.01	
					AFLUENTE HUAHUALLA						
7	24.0	2250.0	0.4	0.0							0.00
					14.0	650.0	4.64	4.57	29.12	2.08	
8	10.0	1600.0	8.7	0.0							29.12
					10.0	550.0	5.50	12.99	70.07	7.01	
9	0.0	1050.0	17.3	0.0							99.19
			SUBTOTAL		24.0	1200.0			99.19	4.13	
					AFLUENTE GRANADILLA						
10	20.0	2950.0	0.4	0.0							0.00
					10.0	1300.0	13.00	2.89	36.90	3.69	
11	10.0	1650.0	5.4	0.0							36.90
					10.0	900.0	9.00	5.77	50.98	5.10	
12	0.0	750.0	6.2	0.0							87.88
			SUBTOTAL		20.0	2200.0			87.88	4.39	
					AFLUENTE ALTOMANCHARA						
13	18.0	1933.0	0.9	0.0							0.00
					10.0	633.0	6.33	2.52	15.63	1.56	
14	8.0	1300.0	4.2	0.0							15.63
					8.0	620.0	7.75	4.74	28.83	3.60	
15	0.0	680.0	5.3	0.0							44.46
			SUBTOTAL		18.0	1253.0			44.46	2.47	
					AFLUENTE CULEBRA						
16	18.0	1850.0	0.3	0.0							0.00
					12.0	1050.0	8.75	1.35	13.91	1.16	
17	6.0	800.0	2.4	0.0							13.91
					6.0	200.0	3.33	2.80	5.50	0.92	
18	0.0	600.0	3.2	0.0							19.42
			SUBTOTAL		18.0	1250.0			19.42	1.08	
					AFLUENTE TABACONASSUP						
19	85.0	2950.0	0.5	0.0							0.00
					13.0	950.0	7.31	2.54	23.70	1.82	
20	72.0	2000.0	4.6	0.0							23.70
			SUBTOTAL		13.0	950.0			23.70	1.82	

POTENCIAL TEORICO DEL RIO TABACONAS 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE TABACONASMED						
20	72.0	2000.0	4.6	0.0							0.00
					5.0	500.0	10.00	6.95	34.10	6.82	
21	67.0	1500.0	9.3	2.3							34.10
					5.0	100.0	2.00	15.93	15.63	3.13	
22	62.0	1400.0	20.3	0.0							49.72
			SUBTOTAL		10.0	600.0			49.72	4.97	
					AFLUENTE TABACONASINF						
22	62.0	1400.0	20.3	0.0							0.00
					5.0	300.0	6.00	21.93	64.54	12.91	
23	57.0	1100.0	23.6	11.0							64.54
					2.0	50.0	2.50	35.10	17.22	8.61	
24	55.0	1050.0	35.6	17.3							81.76
					10.0	150.0	1.50	54.91	80.80	8.08	
25	45.0	900.0	56.9	0.0							162.56
					15.0	150.0	1.00	60.23	88.63	5.91	
26	30.0	750.0	63.5	6.2							251.19
					10.0	70.0	0.70	72.02	49.46	4.95	
27	20.0	680.0	74.3	5.3							300.65
					15.0	80.0	0.53	80.63	63.28	4.22	
28	5.0	600.0	81.6	3.2							363.93
					5.0	125.0	2.50	85.43	104.76	20.95	
29	0.0	475.0	86.0	0.0							468.69
			SUBTOTAL		62.0	925.0			468.69	7.56	

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* EL POTENCIAL TEORICO TOTAL DEL RIO CENEPA ES DE 313.0 MW *

* Y TIENE UNA LONGITUD ACUMULADA DE 434.0 KM *

* Y UN POTENCIAL ESPECIFICO DE 0.72 MW/KM *

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POTENCIAL TEORICO DEL RIO CENEPA 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE SHINGATZA						
1	20.0	1000.0	0.3	0.0							0.00
					20.0	510.0	2.55	1.98	9.91	0.50	
2	0.0	490.0	3.6	0.0							9.91
			SUBTOTAL		20.0	510.0			9.91	0.50	
					AFLUENTE TUNDUZA						
3	35.0	1200.0	0.3	0.0							0.00
					35.0	300.0	0.86	3.50	10.31	0.29	
4	0.0	900.0	6.7	0.0							10.31
			SUBTOTAL		35.0	300.0			10.31	0.29	
					AFLUENTE ACHUIME						
5	25.0	1100.0	1.1	0.0							0.00
					25.0	610.0	2.44	4.49	26.88	1.08	
6	0.0	490.0	7.8	0.0							26.88
			SUBTOTAL		25.0	610.0			26.88	1.08	
					AFLUENTE KAMPANA						
7	25.0	1000.0	0.7	0.0							0.00
					25.0	540.0	2.16	2.16	11.42	0.46	
8	0.0	460.0	3.7	0.0							11.42
			SUBTOTAL		25.0	540.0			11.42	0.46	
					AFLUENTE COMAIRA						
9	60.0	1000.0	0.8	0.0							0.00
					45.0	510.0	1.13	5.05	25.28	0.56	
10	15.0	490.0	9.3	3.7							25.28
					15.0	20.0	0.13	15.57	3.05	0.20	
11	0.0	470.0	18.2	0.0							28.33
			SUBTOTAL		60.0	530.0			28.33	0.47	
					AFLUENTE TAMBOMORI						
12	80.0	1200.0	1.1	0.0							0.00
					20.0	300.0	1.50	3.06	9.00	0.45	
13	60.0	900.0	5.0	6.7							9.00
					30.0	410.0	1.37	17.69	71.13	2.37	
14	30.0	490.0	23.7	7.8							80.13
					10.0	20.0	0.20	33.61	6.59	0.66	
15	20.0	470.0	35.6	18.2							86.72
					20.0	20.0	0.10	56.02	10.99	0.55	
16	0.0	450.0	58.2	0.0							97.71
			SUBTOTAL		80.0	750.0			97.71	1.22	
					AFLUENTE NAJEN						
17	25.0	1000.0	0.6	0.0							0.00
					25.0	570.0	2.28	2.03	11.36	0.45	
18	0.0	430.0	3.4	0.0							11.36
			SUBTOTAL		25.0	570.0			11.36	0.45	
					AFLUENTE CENEPA						
19	164.0	1100.0	1.1	0.0							0.00
					10.0	150.0	1.50	2.23	3.28	0.33	
20	154.0	950.0	3.3	0.0							3.28
					50.0	460.0	0.92	11.98	54.05	1.08	
21	104.0	490.0	20.6	3.6							57.33
					23.0	10.0	0.04	26.56	2.61	0.11	
22	81.0	480.0	28.9	0.0							59.93
					50.0	30.0	0.06	31.81	9.36	0.19	
23	31.0	450.0	34.7	58.2							69.29
					1.0	20.0	2.00	93.28	18.30	18.30	
24	30.0	430.0	93.6	3.4							87.60
					30.0	30.0	0.10	100.28	29.51	0.98	
25	0.0	400.0	103.5	0.0							117.11
			SUBTOTAL		164.0	700.0			117.11	0.71	

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*                                                                        *
* EL POTENCIAL TEORICO TOTAL DEL RIO SANTIAGO      ES DE   5684.1  MW    *
*                                                                        *
*                      Y TIENE UNA LONGITUD ACUMULADA DE   2091.0  KM    *
*                                                                        *
*                          Y UN POTENCIAL ESPECIFICO DE      2.72 MW/KM *
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POTENCIAL TEORICO DEL RIO SANTIAGO 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE LOJA											
1	30.0	758.0	3.7	0.0							0.00
					30.0	35.0	0.12	14.97	5.14	0.17	
2	0.0	723.0	26.2	0.0							5.14
			SUBTOTAL		30.0	35.0			5.14	0.17	
AFLUENTE TRAU											
3	25.0	688.0	1.6	0.0							0.00
					25.0	30.0	0.12	12.44	3.66	0.15	
4	0.0	658.0	23.3	0.0							3.66
			SUBTOTAL		25.0	30.0			3.66	0.15	
AFLUENTE YACUAMBI											
5	75.0	718.0	2.7	0.0							0.00
					45.0	40.0	0.09	29.09	11.41	0.25	
6	30.0	678.0	55.5	0.0							11.41
					30.0	30.0	0.10	65.54	19.29	0.64	
7	0.0	648.0	75.6	0.0							30.70
			SUBTOTAL		75.0	70.0			30.70	0.41	
AFLUENTE CABEZAS											
8	45.0	700.0	1.1	0.0							0.00
					45.0	50.0	0.11	18.65	9.15	0.20	
9	0.0	650.0	36.2	0.0							9.15
			SUBTOTAL		45.0	50.0			9.15	0.20	
AFLUENTE NANGARIZA											
10	110.0	730.0	2.7	0.0							0.00
					45.0	50.0	0.11	19.63	9.63	0.21	
11	65.0	680.0	36.6	36.2							9.63
					30.0	30.0	0.10	91.00	26.78	0.89	
12	35.0	650.0	109.2	0.0							36.41
					35.0	30.0	0.09	118.68	34.93	1.00	
13	0.0	620.0	128.2	0.0							71.34
			SUBTOTAL		110.0	110.0			71.34	0.65	
AFLUENTE BECERRA											
14	40.0	640.0	1.7	0.0							0.00
					40.0	45.0	0.11	14.03	6.19	0.15	
15	0.0	595.0	26.4	0.0							6.19
			SUBTOTAL		40.0	45.0			6.19	0.15	
AFLUENTE GUALAQUIZA											
16	40.0	625.0	3.8	0.0							0.00
					40.0	40.0	0.10	15.58	6.11	0.15	
17	0.0	585.0	27.4	0.0							6.11
			SUBTOTAL		40.0	40.0			6.11	0.15	
AFLUENTE INDANZA											
18	40.0	585.0	1.1	0.0							0.00
					40.0	40.0	0.10	16.40	6.43	0.16	
19	0.0	545.0	31.7	0.0							6.43
			SUBTOTAL		40.0	40.0			6.43	0.16	

POTENCIAL TEORICO DEL RIO SANTIAGO 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE TARQUI						
20	25.0	709.0	1.1	0.0							0.00
					25.0	44.0	0.18	6.47	2.79	0.11	
21	0.0	665.0	11.9	0.0							2.79
			SUBTOTAL		25.0	44.0			2.79	0.11	
					AFLUENTE NUCHANGARA						
22	25.0	695.0	2.1	0.0							0.00
					25.0	45.0	0.18	9.17	4.05	0.16	
23	0.0	650.0	16.2	0.0							4.05
			SUBTOTAL		25.0	45.0			4.05	0.16	
					AFLUENTE BENGAS						
24	30.0	660.0	2.1	0.0							0.00
					30.0	25.0	0.08	20.31	4.98	0.17	
25	0.0	635.0	38.5	0.0							4.98
			SUBTOTAL		30.0	25.0			4.98	0.17	
					AFLUENTE POMAR						
26	45.0	665.0	3.9	0.0							0.00
					45.0	43.0	0.10	26.11	11.01	0.24	
27	0.0	622.0	48.3	0.0							11.01
			SUBTOTAL		45.0	43.0			11.01	0.24	
					AFLUENTE NEGRO						
28	25.0	605.0	2.7	0.0							0.00
					25.0	50.0	0.20	11.82	5.80	0.23	
29	0.0	555.0	20.9	0.0							5.80
			SUBTOTAL		25.0	50.0			5.80	0.23	
					AFLUENTE CRUZADO						
30	50.0	585.0	4.4	0.0							0.00
					30.0	30.0	0.10	14.37	4.23	0.14	
31	20.0	555.0	24.3	20.9							4.23
					20.0	13.0	0.06	50.27	6.41	0.32	
32	0.0	542.0	55.3	0.0							10.64
			SUBTOTAL		50.0	43.0			10.64	0.21	
					AFLUENTE ABANICO						
33	35.0	750.0	1.1	0.0							0.00
					35.0	32.0	0.09	5.89	1.85	0.05	
34	0.0	718.0	10.7	0.0							1.85
			SUBTOTAL		35.0	32.0			1.85	0.05	
					AFLUENTE VOLCAN						
35	20.0	750.0	3.7	0.0							0.00
					20.0	35.0	0.18	7.77	2.67	0.13	
36	0.0	715.0	11.8	0.0							2.67
			SUBTOTAL		20.0	35.0			2.67	0.13	
					AFLUENTE TUTANGOSA						
37	35.0	725.0	3.2	0.0							0.00
					35.0	40.0	0.11	12.94	5.08	0.15	
38	0.0	685.0	22.6	0.0							5.08
			SUBTOTAL		35.0	40.0			5.08	0.15	

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE CHUPIANZA											
39	35.0	690.0	1.1	0.0							0.00
					35.0	35.0	0.10	9.73	3.34	0.10	
40	0.0	655.0	18.4	0.0							3.34
			SUBTOTAL		35.0	35.0			3.34	0.10	
AFLUENTE UPANO											
41	130.0	763.0	1.6	0.0							0.00
					35.0	45.0	0.13	18.74	8.27	0.24	
42	95.0	718.0	35.9	10.7							8.27
					5.0	3.0	0.06	49.29	1.45	0.29	
43	90.0	715.0	52.0	11.8							9.72
					60.0	30.0	0.05	85.88	25.28	0.42	
44	30.0	685.0	108.0	22.6							35.00
					15.0	30.0	0.20	142.27	41.87	2.79	
45	15.0	655.0	153.9	18.4							76.87
					15.0	115.0	0.77	182.23	205.59	13.71	
46	0.0	540.0	192.2	0.0							282.46
			SUBTOTAL		130.0	223.0			282.46	2.17	
AFLUENTE YUNGANZA											
47	45.0	570.0	4.4	0.0							0.00
					45.0	45.0	0.10	23.30	10.29	0.23	
48	0.0	525.0	42.2	0.0							10.29
			SUBTOTAL		45.0	45.0			10.29	0.23	
AFLUENTE NAMANGOZA											
49	167.0	710.0	7.2	0.0							0.00
					35.0	45.0	0.13	15.80	6.97	0.20	
50	132.0	665.0	24.4	11.9							6.97
					10.0	15.0	0.15	47.97	7.06	0.71	
51	122.0	650.0	59.6	16.2							14.03
					10.0	15.0	0.15	88.08	12.96	1.30	
52	112.0	635.0	100.3	38.5							26.99
					10.0	13.0	0.13	143.15	18.26	1.83	
53	102.0	622.0	147.5	48.3							45.25
					40.0	40.0	0.10	218.46	85.72	2.14	
54	62.0	582.0	241.1	0.0							130.98
					40.0	40.0	0.10	256.16	100.52	2.51	
55	22.0	542.0	271.2	55.3							231.49
					2.0	2.0	0.10	327.05	6.42	3.21	
56	20.0	540.0	327.6	192.2							237.91
					10.0	15.0	0.15	526.37	77.46	7.75	
57	10.0	525.0	533.0	42.2							315.37
					10.0	15.0	0.15	579.59	85.29	8.53	
58	0.0	510.0	584.1	0.0							400.65
			SUBTOTAL		167.0	200.0			400.65	2.40	
AFLUENTE CUAMBOS											
59	55.0	916.0	2.6	0.0							0.00
					25.0	306.0	1.22	17.19	51.61	2.06	
60	30.0	610.0	31.8	0.0							51.61
					30.0	105.0	0.35	46.49	47.89	1.60	
61	0.0	505.0	61.2	0.0							99.50
			SUBTOTAL		55.0	411.0			99.50	1.81	
AFLUENTE HUAMBIZA											
62	35.0	525.0	1.7	0.0							0.00
					35.0	45.0	0.13	19.10	8.43	0.24	
63	0.0	480.0	36.5	0.0							8.43
			SUBTOTAL		35.0	45.0			8.43	0.24	
AFLUENTE CHAPIZA											
64	48.0	750.0	7.0	0.0							0.00
					40.0	270.0	0.68	15.40	40.79	1.02	
65	8.0	480.0	23.8	36.5							40.79
					8.0	15.0	0.19	64.28	9.46	1.18	
66	0.0	465.0	68.2	0.0							50.24
			SUBTOTAL		48.0	285.0			50.24	1.05	
AFLUENTE AMPAMA											
67	20.0	717.0	2.2	0.0							0.00
					20.0	266.0	1.33	7.54	19.66	0.98	
68	0.0	451.0	12.9	0.0							19.66
			SUBTOTAL		20.0	266.0			19.66	0.98	
AFLUENTE CUCASA											
69	25.0	443.0	2.1	0.0							0.00
					25.0	27.0	0.11	8.01	2.12	0.08	
70	0.0	416.0	13.9	0.0							2.12
			SUBTOTAL		25.0	27.0			2.12	0.08	

POTENCIAL TEORICO DEL RIO SANTIAGO 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE CANDUNGOS						
71	25.0	465.0	1.7	0.0							0.00
					25.0	61.0	0.24	2.21	1.32	0.05	
72	0.0	404.0	2.7	0.0							1.32
			SUBTOTAL		25.0	61.0			1.32	0.05	
					AFLUENTE SOLEDAD						
73	20.0	720.0	2.2	0.0							0.00
					20.0	325.0	1.62	6.66	21.25	1.06	
74	0.0	395.0	11.2	0.0							21.25
			SUBTOTAL		20.0	325.0			21.25	1.06	
					AFLUENTE ROBINSON						
75	14.0	680.0	1.1	0.0							0.00
					14.0	295.0	2.11	2.49	7.20	0.51	
76	0.0	385.0	3.9	0.0							7.20
			SUBTOTAL		14.0	295.0			7.20	0.51	
					AFLUENTE AYAMBIS						
77	60.0	815.0	1.0	0.0							0.00
					30.0	330.0	1.10	16.89	54.69	1.82	
78	30.0	485.0	32.7	0.0							54.69
					30.0	111.0	0.37	40.65	44.26	1.48	
79	0.0	374.0	48.6	0.0							98.95
			SUBTOTAL		60.0	441.0			98.95	1.65	
					AFLUENTE HUAMBIZA						
80	25.0	500.0	0.6	0.0							0.00
					25.0	133.0	0.53	6.00	7.83	0.31	
81	0.0	367.0	11.4	0.0							7.83
			SUBTOTAL		25.0	133.0			7.83	0.31	
					AFLUENTE TIMOTHY						
82	18.0	520.0	1.1	0.0							0.00
					18.0	182.0	1.01	3.85	6.87	0.38	
83	0.0	338.0	6.6	0.0							6.87
			SUBTOTAL		18.0	182.0			6.87	0.38	
					AFLUENTE CHINGANZA						
84	50.0	810.0	1.6	0.0							0.00
					25.0	360.0	1.44	14.64	51.71	2.07	
85	25.0	450.0	27.7	0.0							51.71
					25.0	119.0	0.48	36.74	42.89	1.72	
86	0.0	331.0	45.8	0.0							94.60
			SUBTOTAL		50.0	479.0			94.60	1.89	
					AFLUENTE TATANGOSA						
87	50.0	780.0	2.1	0.0							0.00
					25.0	350.0	1.40	11.14	38.26	1.53	
88	25.0	430.0	20.2	0.0							38.26
					25.0	108.0	0.43	26.09	27.64	1.11	
89	0.0	322.0	32.0	0.0							65.90
			SUBTOTAL		50.0	458.0			65.90	1.32	

I	L	H	Q	AFQ	DL	DM	PE	GC	POT	ESP	COM
					AFLUENTE SHEVANO						
90	20.0	510.0	0.6	0.0							0.00
					20.0	209.0	1.05	9.20	18.87	0.94	
91	0.0	301.0	17.8	0.0							18.87
			SUBTOTAL		20.0	209.0			18.87	0.94	
					AFLUENTE VELASQUEZ						
92	16.0	500.0	1.1	0.0							0.00
					16.0	205.0	1.28	7.06	14.19	0.89	
93	0.0	295.0	13.0	0.0							14.19
			SUBTOTAL		16.0	205.0			14.19	0.89	
					AFLUENTE PUTUSHIN						
94	55.0	750.0	1.1	0.0							0.00
					25.0	260.0	1.04	9.58	24.44	0.98	
95	30.0	490.0	18.1	0.0							24.44
					30.0	201.0	0.67	28.64	56.47	1.88	
96	0.0	289.0	39.2	0.0							80.92
			SUBTOTAL		55.0	461.0			80.92	1.47	
					AFLUENTE SANRAFAEL						
97	15.0	500.0	0.6	0.0							0.00
					15.0	223.0	1.49	5.39	11.80	0.79	
98	0.0	277.0	10.2	0.0							11.80
			SUBTOTAL		15.0	223.0			11.80	0.79	
					AFLUENTE SANTIAGO						
99	468.0	668.0	2.7	0.0							0.00
					25.0	3.0	0.01	20.93	0.62	0.02	
100	443.0	665.0	39.1	26.2							0.62
					65.0	7.0	0.01	89.32	6.13	0.09	
101	378.0	658.0	113.3	23.3							6.75
					10.0	10.0	0.10	142.54	13.98	1.40	
102	368.0	648.0	148.5	75.6							20.73
					28.0	28.0	0.10	238.77	65.59	2.34	
103	340.0	620.0	253.5	128.2							86.32
					25.0	25.0	0.10	399.59	98.00	3.92	
104	315.0	595.0	417.5	26.4							184.32
					10.0	10.0	0.10	452.72	44.41	4.44	
105	305.0	585.0	461.6	27.4							228.73
					40.0	40.0	0.10	517.14	202.93	5.07	
106	265.0	545.0	545.3	31.7							431.66
					35.0	35.0	0.10	567.02	201.55	5.76	
107	230.0	510.0	597.0	584.1							633.21
					5.0	5.0	0.10	1184.15	58.08	11.62	
108	225.0	505.0	1187.2	61.2							691.29
					40.0	40.0	0.10	1270.45	498.52	12.46	
109	185.0	465.0	1292.5	68.2							1189.82
					30.0	14.0	0.05	1370.98	188.29	6.28	
110	155.0	451.0	1381.2	12.9							1378.11
					12.0	35.0	0.29	1397.87	479.96	40.00	
111	143.0	416.0	1401.6	13.9							1858.07
					15.0	12.0	0.08	1418.32	166.96	11.13	
112	128.0	404.0	1421.1	2.7							2025.03
					8.0	9.0	0.11	1425.98	125.90	15.74	
113	120.0	395.0	1428.2	11.2							2150.93
					10.0	10.0	0.10	1442.80	141.54	14.15	
114	110.0	385.0	1446.2	3.9							2292.47
					10.0	11.0	0.11	1453.52	156.85	15.68	
115	100.0	374.0	1456.9	48.6							2449.32
					6.0	7.0	0.12	1507.89	103.55	17.26	
116	94.0	367.0	1510.3	11.4							2552.87
					25.0	29.0	0.12	1531.62	435.73	17.43	
117	69.0	338.0	1541.5	6.6							2988.60
					6.0	7.0	0.12	1552.46	106.61	17.77	
118	63.0	331.0	1556.9	45.8							3095.20
					18.0	9.0	0.05	1607.24	141.90	7.88	
119	45.0	322.0	1611.8	32.0							3237.11
					10.0	21.0	0.21	1649.68	339.85	33.99	
120	35.0	301.0	1655.5	17.8							3576.96
					5.0	6.0	0.12	1676.25	98.66	19.73	
121	30.0	295.0	1679.1	13.0							3675.62
					5.0	6.0	0.12	1695.47	99.80	19.96	
122	25.0	289.0	1698.8	39.2							3775.42
					15.0	12.0	0.08	1748.91	205.88	13.73	
123	10.0	277.0	1759.8	10.2							3981.30
					10.0	12.0	0.12	1773.53	208.78	20.88	
124	0.0	265.0	1777.0	0.0							4190.08
			SUBTOTAL		468.0	403.0			4190.08	8.95	

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*
* EL POTENCIAL TEORICO TOTAL DEL RIO MARANON MED ES DE 6252.1 MW *
*
* Y TIENE UNA LONGITUD ACUMULADA DE 1884.0 KM *
*
* Y UN POTENCIAL ESPECIFICO DE 3.32 MW/KM *
*
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POTENCIAL TEORICO DEL RIO MARANON MED 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE YUPICUZ						
1	15.0	2000.0	0.2	0.0							0.00
					15.0	1598.0	10.65	1.49	23.40	1.56	
2	0.0	402.0	2.8	0.0							23.40
			SUBTOTAL		15.0	1598.0			23.40	1.56	
					AFLUENTE CAMBAZA						
3	40.0	1400.0	0.2	0.0							0.00
					20.0	350.0	1.75	1.36	4.69	0.23	
4	20.0	1050.0	2.5	0.0							4.69
					20.0	696.0	3.48	5.65	38.60	1.93	
5	0.0	354.0	8.8	0.0							43.29
			SUBTOTAL		40.0	1046.0			43.29	1.08	
					AFLUENTE CUSU						
6	20.0	1200.0	0.5	0.0							0.00
					20.0	850.0	4.25	5.43	45.28	2.26	
7	0.0	350.0	10.4	0.0							45.28
			SUBTOTAL		20.0	850.0			45.28	2.26	
					AFLUENTE CANANYA						
8	35.0	550.0	0.8	0.0							0.00
					35.0	247.0	0.71	8.01	19.41	0.55	
9	0.0	303.0	15.2	0.0							19.41
			SUBTOTAL		35.0	247.0			19.41	0.55	
					AFLUENTE BANCO						
10	30.0	230.0	0.5	0.0							0.00
					30.0	10.0	0.03	6.71	0.66	0.02	
11	0.0	220.0	12.9	0.0							0.66
			SUBTOTAL		30.0	10.0			0.66	0.02	
					AFLUENTE APAGA						
12	85.0	2000.0	0.7	0.0							0.00
					35.0	1800.0	5.14	3.28	57.90	1.65	
13	50.0	200.0	5.8	0.0							57.90
					50.0	5.0	0.01	10.24	0.50	0.01	
14	0.0	195.0	14.7	0.0							58.40
			SUBTOTAL		85.0	1805.0			58.40	0.69	
					AFLUENTE DOSDEMAYO						
15	55.0	3000.0	0.5	0.0							0.00
					55.0	2605.0	4.74	2.50	63.82	1.16	
16	0.0	395.0	4.5	0.0							63.82
			SUBTOTAL		55.0	2605.0			63.82	1.16	
					AFLUENTE ALCHIYACU						
17	40.0	250.0	0.2	0.0							0.00
					40.0	20.0	0.05	0.68	0.13	0.00	
18	0.0	230.0	1.2	0.0							0.13
			SUBTOTAL		40.0	20.0			0.13	0.00	

POTENCIAL TEORICO DEL RIO MARANON MEO 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE YANA						
19	50.0	2300.0	0.2	0.0							0.00
					50.0	1940.0	3.88	0.82	15.68	0.31	
20	0.0	360.0	1.5	0.0							15.68
			SUBTOTAL		50.0	1940.0			15.68	0.31	
					AFLUENTE AICHIYACU						
21	120.0	2500.0	0.8	0.0							0.00
					20.0	1625.0	8.12	2.96	47.13	2.36	
22	100.0	875.0	5.1	0.0							47.13
					40.0	515.0	1.29	5.87	29.64	0.74	
23	60.0	360.0	6.7	1.5							76.77
					60.0	135.0	0.23	10.18	13.48	0.22	
24	0.0	225.0	12.2	0.0							90.25
			SUBTOTAL		120.0	2275.0			90.25	0.75	
					AFLUENTE POTRO						
25	185.0	1800.0	0.8	0.0							0.00
					50.0	1220.0	2.44	3.35	40.05	0.80	
26	135.0	580.0	5.9	0.0							40.05
					50.0	185.0	0.37	7.13	12.95	0.26	
27	85.0	395.0	8.3	4.5							53.00
					50.0	165.0	0.33	13.73	22.23	0.44	
28	35.0	230.0	14.7	1.2							75.23
					15.0	5.0	0.03	16.04	0.79	0.05	
29	20.0	225.0	16.2	12.2							76.02
					20.0	39.0	0.19	29.09	11.15	0.56	
30	0.0	186.0	29.7	0.0							87.15
			SUBTOTAL		185.0	1614.0			87.15	0.47	
					AFLUENTE BAGAZAN						
31	65.0	196.0	1.2	0.0							0.00
					35.0	6.0	0.02	7.65	0.45	0.01	
32	30.0	190.0	14.1	0.0							0.45
					30.0	4.0	0.01	19.18	0.75	0.03	
33	0.0	186.0	24.3	0.0							1.20
			SUBTOTAL		65.0	10.0			1.20	0.02	
					AFLUENTE UNITUYACU						
34	40.0	190.0	1.2	0.0							0.00
					40.0	10.0	0.02	20.09	1.97	0.05	
35	0.0	180.0	39.0	0.0							1.97
			SUBTOTAL		40.0	10.0			1.97	0.05	
					AFLUENTE RUMIYACU						
36	40.0	480.0	0.1	0.0							0.00
					40.0	60.0	0.15	1.25	0.73	0.02	
37	0.0	420.0	2.4	0.0							0.73
			SUBTOTAL		40.0	60.0			0.73	0.02	
					AFLUENTE YANAYACU						
38	30.0	990.0	0.2	0.0							0.00
					30.0	580.0	1.93	1.12	6.38	0.21	
39	0.0	410.0	2.1	0.0							6.38
			SUBTOTAL		30.0	580.0			6.38	0.21	
					AFLUENTE CAHUAPAN						
40	40.0	750.0	0.1	0.0							0.00
					40.0	370.0	0.93	0.62	2.26	0.06	
41	0.0	380.0	1.1	0.0							2.26
			SUBTOTAL		40.0	370.0			2.26	0.06	
					AFLUENTE HUNGAYACA						
42	39.0	980.0	0.6	0.0							0.00
					30.0	570.0	1.90	1.18	6.58	0.22	
43	9.0	410.0	1.7	2.1							6.58
					5.0	30.0	0.60	3.87	1.14	0.23	
44	4.0	380.0	3.9	1.1							7.72
					4.0	20.0	0.50	5.10	1.00	0.25	
45	0.0	360.0	5.2	0.0							8.72
			SUBTOTAL		39.0	620.0			8.72	0.22	
					AFLUENTE PUMAYACU						
46	30.0	490.0	0.0	0.0							0.00
					30.0	60.0	0.20	0.54	0.32	0.01	
47	0.0	430.0	1.1	0.0							0.32
			SUBTOTAL		30.0	60.0			0.32	0.01	
					AFLUENTE NAHUATI						
48	40.0	250.0	0.1	0.0							0.00
					40.0	40.0	0.10	1.20	0.47	0.01	
49	0.0	210.0	2.3	0.0							0.47
			SUBTOTAL		40.0	40.0			0.47	0.01	

POTENCIAL TEORICO DEL RIO MARANON MED 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE SILLAY						
50	75.0	480.0	0.1	0.0							0.00
					20.0	50.0	0.25	0.93	0.46	0.02	
51	55.0	430.0	1.7	1.1							0.46
					40.0	220.0	0.55	4.24	9.14	0.23	
52	15.0	210.0	5.7	2.3							9.60
					15.0	30.0	0.20	8.43	2.48	0.17	
53	0.0	180.0	8.9	0.0							12.08
			SUBTOTAL		75.0	300.0			12.08	0.16	
					AFLUENTE CAHUAPANAS						
54	170.0	1600.0	0.3	0.0							0.00
					65.0	1180.0	1.82	3.71	42.93	0.66	
55	105.0	420.0	7.1	2.4							42.93
					20.0	60.0	0.30	9.90	5.82	0.29	
56	85.0	360.0	10.3	5.2							48.76
					60.0	180.0	0.30	17.65	31.17	0.52	
57	25.0	180.0	19.9	8.9							79.93
					25.0	4.0	0.02	29.95	1.18	0.05	
58	0.0	176.0	31.2	0.0							81.10
			SUBTOTAL		170.0	1424.0			81.10	0.48	
					AFLUENTE ARIPARI						
59	45.0	182.0	0.2	0.0							0.00
					45.0	10.0	0.02	2.57	0.25	0.01	
60	0.0	172.0	5.0	0.0							0.25
			SUBTOTAL		45.0	10.0			0.25	0.01	
					AFLUENTE UNGUMAYO						
61	100.0	166.0	0.9	0.0							0.00
					50.0	6.0	0.01	10.71	0.63	0.01	
62	50.0	160.0	20.5	0.0							0.63
					50.0	4.0	0.01	34.37	1.35	0.03	
63	0.0	156.0	48.2	0.0							1.98
			SUBTOTAL		100.0	10.0			1.98	0.02	
					AFLUENTE MARANON MED						
64	495.0	425.0	957.7	0.0							0.00
					35.0	66.0	0.19	960.02	621.57	17.76	
65	460.0	359.0	962.3	2.8							621.57
					40.0	4.0	0.01	995.98	39.08	0.98	
66	420.0	355.0	1026.9	0.0							660.65
					20.0	3.0	0.02	1027.99	30.25	1.51	
67	400.0	352.0	1029.1	8.8							690.91
					20.0	2.0	0.01	1039.54	20.40	1.02	
68	380.0	350.0	1041.2	10.4							711.30
					30.0	40.0	0.13	1104.48	433.40	14.45	
69	350.0	310.0	1157.4	0.0							1144.70
					25.0	7.0	0.03	1176.14	80.77	3.23	
70	325.0	303.0	1194.9	15.2							1225.47
					35.0	38.0	0.11	1725.56	643.26	18.38	
71	290.0	265.0	2241.0	0.0							1868.72
					25.0	45.0	0.18	2241.39	989.46	39.58	
72	265.0	220.0	2241.7	12.9							2858.18
					25.0	10.0	0.04	2256.44	221.36	8.85	
73	240.0	210.0	2258.2	0.0							3079.54
					5.0	7.0	0.14	2269.95	155.88	31.18	
74	235.0	203.0	2281.7	0.0							3235.42
					30.0	3.0	0.01	2289.17	67.37	2.25	
75	205.0	200.0	2296.7	0.0							3302.79
					15.0	5.0	0.03	2299.32	112.78	7.52	
76	190.0	195.0	2302.0	14.7							3415.57
					10.0	3.0	0.03	2717.11	79.96	8.00	
77	180.0	192.0	3117.6	0.0							3495.53
					20.0	6.0	0.03	3120.77	183.69	9.18	
78	160.0	186.0	3124.0	29.7							3679.22
					5.0	4.0	0.08	3156.46	123.86	24.77	
79	155.0	182.0	3159.3	24.3							3803.08
					5.0	2.0	0.04	3186.90	62.53	12.51	
80	150.0	180.0	3190.2	39.0							3865.61
					20.0	4.0	0.02	3238.88	127.09	6.35	
81	130.0	176.0	3248.5	31.2							3992.70
					10.0	4.0	0.04	3281.87	128.78	12.88	
82	120.0	172.0	3284.1	5.0							4121.48
					10.0	8.0	0.08	4235.40	332.39	33.24	
83	110.0	164.0	5181.8	0.0							4453.87
					40.0	8.0	0.02	5188.78	407.22	10.18	
84	70.0	156.0	5195.8	48.2							4861.09
					20.0	8.0	0.04	5251.32	412.12	20.61	
85	50.0	148.0	5258.6	0.0							5273.21
					50.0	8.0	0.02	5274.65	413.95	8.28	
86	0.0	140.0	5290.7	0.0							5687.17
			SUBTOTAL		495.0	285.0			5687.17	11.49	

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*                                                                    *
* EL POTENCIAL TEORICO TOTAL DEL RIO MORONA        ES DE   2585.2  MW *
*                                                                    *
*                      Y TIENE UNA LONGITUD ACUMULADA DE    830.0  KM *
*                                                                    *
*                           Y UN POTENCIAL ESPECIFICO DE      3.11 MW/KM *
*                                                                    *
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POTENCIAL TEORICO DEL RIO MORONA 1/11/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE CUSHIME						
1	50.0	681.0	1.7	0.0							0.00
					20.0	45.0	0.23	11.46	5.06	0.25	
2	30.0	636.0	21.2	0.0							5.06
					30.0	25.0	0.08	32.74	8.04	0.27	
3	0.0	611.0	44.3	0.0							13.10
		SUBTOTAL			50.0	70.0			13.10	0.26	
					AFLUENTE MANGASISA						
4	70.0	610.0	7.9	0.0							0.00
					40.0	34.0	0.08	31.21	10.41	0.26	
5	30.0	576.0	54.5	0.0							10.41
					30.0	25.0	0.08	71.34	17.50	0.58	
6	0.0	551.0	88.2	0.0							27.90
		SUBTOTAL			70.0	59.0			27.90	0.40	
					AFLUENTE SITUCHE						
7	80.0	510.0	2.8	0.0							0.00
					50.0	45.0	0.09	19.75	8.72	0.17	
8	30.0	465.0	36.7	0.0							8.72
					30.0	25.0	0.08	47.49	11.65	0.39	
9	0.0	440.0	58.3	0.0							20.37
		SUBTOTAL			80.0	70.0			20.37	0.25	
					AFLUENTE AMASA						
10	50.0	386.0	4.5	0.0							0.00
					50.0	45.0	0.09	17.81	7.86	0.16	
11	0.0	341.0	31.1	0.0							7.86
		SUBTOTAL			50.0	45.0			7.86	0.16	

POTENCIAL TEORICO DEL RIO MORONA 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE ATUNHUASI						
12	40.0	500.0	2.8	0.0							0.00
					40.0	179.0	0.45	16.50	28.97	0.72	
13	0.0	321.0	30.2	0.0							28.97
			SUBTOTAL		40.0	179.0			28.97	0.72	
					AFLUENTE TANGARANA						
14	40.0	500.0	2.9	0.0							0.00
					40.0	189.0	0.47	16.39	30.39	0.76	
15	0.0	311.0	29.9	0.0							30.39
			SUBTOTAL		40.0	189.0			30.39	0.76	
					AFLUENTE ARAMAYA						
16	50.0	420.0	2.0	0.0							0.00
					50.0	219.0	0.44	14.81	31.82	0.64	
17	0.0	201.0	27.6	0.0							31.82
			SUBTOTAL		50.0	219.0			31.82	0.64	
					AFLUENTE MORONA						
18	450.0	1400.0	2.6	0.0							0.00
					30.0	182.0	0.61	14.70	26.25	0.87	
19	420.0	1218.0	26.8	0.0							26.25
					50.0	303.0	0.61	52.77	156.85	3.14	
20	370.0	915.0	78.8	0.0							183.09
					50.0	304.0	0.61	109.60	326.84	6.54	
21	320.0	611.0	140.4	44.3							509.94
					10.0	60.0	0.60	188.09	110.71	11.07	
22	310.0	551.0	191.4	88.2							620.65
					10.0	61.0	0.61	284.66	170.46	17.05	
23	300.0	490.0	290.1	0.0							791.11
					50.0	50.0	0.10	317.87	155.92	3.12	
24	250.0	440.0	345.6	58.3							947.03
					50.0	50.0	0.10	445.57	218.55	4.37	
25	200.0	390.0	487.3	0.0							1165.58
					50.0	49.0	0.10	510.79	245.53	4.91	
26	150.0	341.0	534.3	31.1							1411.11
					20.0	20.0	0.10	574.94	112.80	5.64	
27	130.0	321.0	584.5	30.2							1523.91
					10.0	10.0	0.10	619.28	60.75	6.08	
28	120.0	311.0	623.9	29.9							1584.66
					60.0	60.0	0.10	688.41	405.20	6.75	
29	60.0	251.0	723.0	0.0							1989.86
					50.0	50.0	0.10	743.71	364.79	7.30	
30	10.0	201.0	764.4	27.6							2354.64
					10.0	9.0	0.09	794.18	70.12	7.01	
31	0.0	192.0	796.4	0.0							2424.76
			SUBTOTAL		450.0	1208.0			2424.76	5.39	

EL POTENCIAL TEORICO TOTAL DEL RIO PASTAZA ES DE 10954.7 MW

Y TIENE UNA LONGITUD ACUMULADA DE 2692.0 KM

Y UN POTENCIAL ESPECIFICO DE 4.07 MW/KM

POTENCIAL TEORICO DEL RIO PASTAZA 1/17/79

I	L	H	AFO	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE LATACUNGA										
1	85.0	3580.0	0.0	35.0	1060.0	3.03	9.53	99.09	2.83	0.00
2	50.0	2520.0	0.0	50.0	520.0	1.04	57.10	291.27	5.83	99.09
3	0.0	2000.0	0.0							390.36
SUBTOTAL				85.0	1580.0			390.36	4.59	
AFLUENTE VERDE GRANDE										
4	30.0	2040.0	0.0	30.0	160.0	0.53	4.46	7.01	0.23	0.00
5	0.0	1880.0	8.7	0.0						7.01
SUBTOTAL				30.0	160.0			7.01	0.23	
AFLUENTE LLURINONIOJA										
6	40.0	1960.0	0.0	40.0	420.0	1.05	3.77	15.53	0.39	0.00
7	0.0	1540.0	0.0							15.53
SUBTOTAL				40.0	420.0			15.53	0.39	
AFLUENTE PALORA										
8	80.0	1980.0	0.5	0.0	30.0	530.0	1.77	13.24	68.84	2.29
9	50.0	1450.0	25.9	0.0	50.0	240.0	0.48	47.22	111.17	2.22
10	0.0	1210.0	68.5	0.0						180.01
SUBTOTAL				80.0	770.0			180.01	2.25	
AFLUENTE COPATAZA										
11	70.0	1130.0	0.7	0.0	70.0	290.0	0.41	24.42	69.48	0.99	0.00
12	0.0	840.0	48.2	0.0						69.48
SUBTOTAL				70.0	290.0			69.48	0.99	
AFLUENTE CAPAHUARI E										
13	100.0	1250.0	0.7	0.0	50.0	510.0	1.02	12.73	63.69	1.27	0.00
14	50.0	740.0	24.8	0.0	50.0	150.0	0.30	42.59	62.68	1.25	63.69
15	0.0	590.0	60.4	0.0							126.36
SUBTOTAL				100.0	660.0			126.36	1.26	
AFLUENTE RUTUNO										
16	50.0	820.0	1.1	0.0	50.0	210.0	0.42	14.95	30.80	0.62	0.00
17	0.0	610.0	28.8	0.0							30.80
SUBTOTAL				50.0	210.0			30.80	0.62	
AFLUENTE CHECHEROTO										
18	30.0	420.0	0.4	0.0	30.0	80.0	0.27	6.35	4.98	0.17	0.00
19	0.0	340.0	12.3	0.0							4.98
SUBTOTAL				30.0	80.0			4.98	0.17	

POTENCIAL TEORICO DEL RIO PASTAZA 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE BOBONAZA						
20	230.0	870.0	0.5	0.0							0.00
					40.0	120.0	0.30	15.63	18.40	0.46	
21	190.0	750.0	30.7	0.0							18.40
					50.0	140.0	0.28	47.76	65.59	1.31	
22	140.0	610.0	64.8	28.8							83.99
					50.0	90.0	0.18	115.65	102.11	2.04	
23	90.0	520.0	137.7	0.0							186.10
					50.0	180.0	0.36	162.51	286.95	5.74	
24	40.0	340.0	187.3	12.3							473.05
					40.0	42.0	0.11	222.57	91.70	2.29	
25	0.0	298.0	245.6	0.0							564.76
			SUBTOTAL		230.0	572.0			564.76	2.46	
					AFLUENTE TUNIGRAMA						
26	40.0	296.0	0.5	0.0							0.00
					40.0	22.0	0.05	5.25	1.13	0.03	
27	0.0	274.0	10.0	0.0							1.13
			SUBTOTAL		40.0	22.0			1.13	0.03	
					AFLUENTE CAPAHURI						
28	40.0	271.0	0.5	0.0							0.00
					40.0	19.0	0.05	5.55	1.03	0.03	
29	0.0	252.0	10.6	0.0							1.03
			SUBTOTAL		40.0	19.0			1.03	0.03	
					AFLUENTE CHECHERETA						
30	50.0	305.0	0.4	0.0							0.00
					50.0	19.0	0.04	14.51	2.70	0.05	
31	0.0	286.0	28.6	0.0							2.70
			SUBTOTAL		50.0	19.0			2.70	0.05	
					AFLUENTE HUASAGA						
32	190.0	328.0	10.1	0.0							0.00
					30.0	26.0	0.09	25.17	6.42	0.21	
33	160.0	302.0	40.3	0.0							6.42
					50.0	16.0	0.03	60.11	9.44	0.19	
34	110.0	286.0	79.9	28.6							15.86
					60.0	22.0	0.04	136.93	29.55	0.49	
35	50.0	264.0	165.4	0.0							45.41
					50.0	40.0	0.08	177.22	69.54	1.39	
36	0.0	224.0	189.1	0.0							114.95
			SUBTOTAL		190.0	104.0			114.95	0.60	
					AFLUENTE MENCHARI						
37	108.0	230.0	0.9	0.0							0.00
					58.0	16.0	0.03	8.00	1.26	0.02	
38	50.0	214.0	15.1	0.0							1.26
					50.0	6.0	0.01	28.00	1.65	0.03	
39	0.0	208.0	40.9	0.0							2.90
			SUBTOTAL		108.0	22.0			2.90	0.03	
					AFLUENTE HUITUYACU						
40	219.0	230.0	6.8	0.0							0.00
					49.0	8.0	0.02	22.56	1.77	0.04	
41	170.0	222.0	38.4	0.0							1.77
					50.0	7.0	0.01	84.30	5.79	0.12	
42	120.0	215.0	130.2	0.0							7.56
					60.0	6.0	0.01	145.32	8.55	0.14	
43	60.0	209.0	160.4	0.0							16.11
					60.0	15.0	0.02	168.33	24.77	0.41	
44	0.0	194.0	176.3	0.0							40.88
			SUBTOTAL		219.0	36.0			40.88	0.19	
					AFLUENTE RIMACHI						
45	140.0	236.0	9.4	0.0							0.00
					40.0	8.0	0.02	21.94	1.72	0.04	
46	100.0	228.0	34.5	0.0							1.72
					50.0	17.0	0.03	48.85	8.15	0.16	
47	50.0	211.0	63.2	0.0							9.87
					50.0	16.0	0.03	84.80	13.31	0.27	
48	0.0	195.0	106.4	0.0							23.18
			SUBTOTAL		140.0	41.0			23.18	0.17	

POTENCIAL TEORICO DEL RIO PASTAZA 1/17/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
					AFLUENTE CHAPULI						
49	195.0	230.0	0.9	0.0							0.00
					60.0	16.0	0.03	20.59	3.23	0.05	
50	135.0	214.0	40.3	0.0							3.23
					50.0	5.0	0.01	57.18	2.80	0.06	
51	85.0	209.0	74.1	0.0							6.04
					50.0	14.0	0.03	93.72	12.87	0.26	
52	35.0	195.0	113.3	106.4							18.91
					35.0	13.0	0.04	229.82	29.31	0.84	
53	0.0	182.0	239.9	0.0							48.22
			SUBTOTAL		195.0	48.0			48.22	0.25	
					AFLUENTE MAHUACA						
54	105.0	243.0	0.5	0.0							0.00
					55.0	6.0	0.01	4.95	0.29	0.01	
55	50.0	237.0	9.4	0.0							0.29
					50.0	15.0	0.03	16.03	2.36	0.05	
56	0.0	222.0	22.6	0.0							2.65
			SUBTOTAL		105.0	21.0			2.65	0.03	
					AFLUENTE UNGURAHUI						
57	185.0	208.0	0.4	0.0							0.00
					110.0	13.0	0.01	4.82	0.62	0.01	
58	75.0	195.0	9.2	0.0							0.62
					50.0	12.0	0.02	15.61	1.86	0.04	
59	25.0	183.0	22.4	22.6							2.48
					25.0	11.0	0.04	49.44	5.33	0.21	
60	0.0	172.0	53.9	0.0							7.81
			SUBTOTAL		185.0	36.0			7.81	0.04	
					AFLUENTE PASTAZA						
61	705.0	3500.0	6.5	0.0							0.00
					60.0	870.0	1.45	34.23	292.17	4.87	
62	645.0	2630.0	62.0	0.0							292.17
					50.0	630.0	1.26	90.97	562.22	11.24	
63	595.0	2000.0	119.9	95.7							854.38
					30.0	120.0	0.40	222.68	262.14	8.74	
64	565.0	1880.0	229.8	8.7							1116.52
					30.0	340.0	1.13	254.26	848.06	28.27	
65	535.0	1540.0	270.0	7.3							1964.58
					50.0	330.0	0.66	307.07	994.06	19.88	
66	485.0	1210.0	336.8	68.5							2958.64
					60.0	370.0	0.62	434.29	1576.35	26.27	
67	425.0	840.0	463.3	48.2							4534.99
					50.0	250.0	0.50	528.03	1295.01	25.90	
68	375.0	590.0	544.6	60.4							5830.00
					25.0	240.0	0.96	638.52	1503.33	60.13	
69	350.0	350.0	672.0	0.0							7333.33
					50.0	52.0	0.10	693.48	353.76	7.08	
70	300.0	298.0	714.9	245.6							7687.09
					20.0	24.0	0.12	966.60	227.58	11.38	
71	280.0	274.0	972.7	10.0							7914.66
					30.0	22.0	0.07	994.00	214.53	7.15	
72	250.0	252.0	1005.3	10.6							8129.18
					50.0	20.0	0.04	1040.84	204.21	4.08	
73	200.0	252.0	1065.8	0.0							8333.40
					50.0	8.0	0.02	1078.72	84.66	1.69	
74	150.0	224.0	1091.7	189.1							8418.05
					30.0	16.0	0.05	1294.89	203.25	6.77	
75	120.0	208.0	1309.0	40.9							8621.30
					40.0	14.0	0.04	1364.27	187.37	4.68	
76	80.0	194.0	1378.6	176.3							8808.67
					50.0	12.0	0.02	1565.99	184.35	3.69	
77	30.0	182.0	1577.1	239.9							8993.02
					20.0	10.0	0.05	1823.68	178.90	8.95	
78	10.0	172.0	1830.4	53.9							9171.92
					10.0	8.0	0.08	1886.14	148.02	14.80	
79	0.0	164.0	1888.1	0.0							9319.94
			SUBTOTAL		705.0	3336.0			9319.94	13.22	