

POTENCIAL TEORICO DEL RIO NAPO

2/14/74

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE PAVOYACU											
25	48.0	191.0	3.4	0.0							0.00
26	0.0	184.0	26.7	0.0	48.0	7.0	0.01	15.04	1.03	0.02	1.03
SUBTOTAL					48.0	7.0			1.03	0.02	
=====											
AFLUENTE MOSQUERA											
27	52.0	183.0	0.8	0.0							0.00
28	0.0	177.0	25.7	0.0	52.0	6.0	0.01	13.26	0.78	0.02	0.78
SUBTOTAL					52.0	6.0			0.78	0.02	
=====											
AFLUENTE YANAYACU											
29	63.0	177.0	1.5	0.0							0.00
30	0.0	171.0	42.2	0.0	63.0	6.0	0.01	21.83	1.28	0.02	1.28
SUBTOTAL					63.0	6.0			1.28	0.02	
=====											
AFLUENTE YUHACYACU											
31	65.0	172.0	1.0	0.0							0.00
32	0.0	165.0	39.1	0.0	65.0	7.0	0.01	20.07	1.38	0.02	1.38
SUBTOTAL					65.0	7.0			1.38	0.02	
=====											
AFLUENTE SANTA MARIA											
33	98.0	173.0	0.8	0.0							0.00
34	50.0	166.0	24.4	0.0	48.0	7.0	0.01	12.62	0.87	0.02	0.87
35	0.0	159.0	37.9	0.0	50.0	7.0	0.01	31.15	2.14	0.04	3.01
SUBTOTAL					98.0	14.0			3.01	0.03	
=====											
AFLUENTE CURARAY											
36	285.0	212.0	570.0	0.0							0.00
37	233.0	205.0	638.5	154.9	52.0	7.0	0.01	604.23	41.44	0.80	41.44
38	188.0	198.0	808.4	48.9	45.0	7.0	0.02	800.84	54.44	1.22	96.44
39	140.0	191.0	894.0	125.6	48.0	7.0	0.01	875.61	60.13	1.25	156.61
40	125.0	184.0	1024.1	26.7	15.0	7.0	0.05	1021.84	70.17	4.68	226.78
41	110.0	177.0	1054.2	25.7	15.0	7.0	0.05	1052.47	72.27	4.82	249.06
42	80.0	171.0	1086.6	42.2	30.0	6.0	0.02	1083.26	63.76	2.13	362.82
43	40.0	165.0	1146.6	39.1	40.0	6.0	0.02	1137.72	66.97	1.67	429.78
44	25.0	159.0	1169.6	37.9	15.0	6.0	0.04	1187.67	69.41	4.66	449.69
45	0.0	153.0	1255.4	0.0	25.0	6.0	0.02	1241.46	73.07	2.92	572.76
SUBTOTAL					285.0	59.0			572.76	2.01	
=====											
AFLUENTE PUCARA											
46	70.0	161.0	1.0	0.0							0.00
47	45.0	155.0	24.5	0.0	25.0	6.0	0.02	12.73	0.75	0.03	0.75
48	0.0	149.0	44.3	0.0	45.0	6.0	0.01	34.40	2.02	0.04	2.77
SUBTOTAL					70.0	12.0			2.77	0.04	

POTENCIAL TEORICO DEL RIO NAPQ

2/14/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE PROVIDENCIA											
49	58.0	157.0	5.4	0.0							0.00
50	0.0	150.0	50.9	0.0	58.0	7.0	0.01	28.19	1.94	0.03	1.94
SUBTOTAL					58.0	7.0			1.94	0.03	
=====											
AFLUENTE TAMBOR YACU											
51	185.0	167.0	6.1	0.0							0.00
52	125.0	161.0	46.9	0.0	60.0	6.0	0.01	26.49	1.56	0.03	1.56
53	75.0	155.0	100.9	0.0	50.0	6.0	0.01	73.88	4.35	0.09	5.91
54	25.0	150.0	158.4	50.9	50.0	5.0	0.01	129.64	6.36	0.13	12.27
55	0.0	145.0	215.6	0.0	25.0	5.0	0.02	212.43	10.42	0.42	22.69
SUBTOTAL					185.0	22.0			22.69	0.12	
=====											
AFLUENTE HUIRINA											
56	63.0	147.0	0.5	0.0							0.00
57	0.0	141.0	31.5	0.0	63.0	6.0	0.01	16.01	0.94	0.01	0.94
SUBTOTAL					63.0	6.0			0.94	0.01	
=====											
AFLUENTE TUCSHACURARA											
58	108.0	148.0	3.0	0.0							0.00
59	50.0	142.0	53.8	0.0	58.0	6.0	0.01	28.36	1.67	0.03	1.67
60	0.0	137.0	116.9	0.0	50.0	5.0	0.01	85.32	4.18	0.08	5.85
SUBTOTAL					108.0	11.0			5.85	0.05	
=====											
AFLUENTE VELLAVISTA											
61	38.0	139.0	2.1	0.0							0.00
62	0.0	133.0	28.1	0.0	38.0	6.0	0.02	15.10	0.89	0.02	0.89
SUBTOTAL					38.0	6.0			0.89	0.02	
=====											
AFLUENTE ZAPOTE											
63	55.0	135.0	0.5	0.0							0.00
64	0.0	129.0	40.1	0.0	55.0	6.0	0.01	20.29	1.19	0.02	1.19
SUBTOTAL					55.0	6.0			1.19	0.02	
=====											
AFLUENTE TUTAPISCO											
65	43.0	130.0	4.7	0.0							0.00
66	0.0	125.0	71.1	0.0	43.0	5.0	0.01	57.88	2.84	0.07	2.84
SUBTOTAL					43.0	5.0			2.84	0.07	
=====											
AFLUENTE YANAYACU											
67	100.0	132.0	0.6	0.0							0.00
68	50.0	126.0	31.3	0.0	50.0	6.0	0.01	15.96	0.94	0.02	0.94
69	0.0	121.0	65.2	0.0	50.0	5.0	0.01	48.27	2.37	0.05	3.31
SUBTOTAL					100.0	11.0			3.31	0.03	
=====											
AFLUENTE DOS											
70	68.0	134.0	1.5	0.0							0.00
71	0.0	127.0	53.0	0.0	68.0	7.0	0.01	27.23	1.87	0.03	1.87
SUBTOTAL					68.0	7.0			1.87	0.03	
=====											
AFLUENTE GUANO											
72	45.0	129.0	3.0	0.0							0.00
73	0.0	122.0	25.3	0.0	45.0	7.0	0.02	14.13	0.97	0.02	0.97
SUBTOTAL					45.0	7.0			0.97	0.02	
=====											

POTENCIAL TEORICO DEL RIO NAPO

2/14/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE MAZAN											
74	193.0	142.0	5.2	0.0							
75	155.0	137.0	31.8	0.0	38.0	5.0	0.01	18.49	0.91	0.02	0.00
76	105.0	132.0	69.3	0.0	50.0	5.0	0.01	50.56	2.48	0.05	0.91
77	55.0	127.0	72.6	53.0	50.0	5.0	0.01	70.94	3.48	0.07	5.39
78	40.0	122.0	132.8	25.3	15.0	5.0	0.03	129.14	6.33	0.42	6.87
79	0.0	117.0	174.2	0.0	40.0	5.0	0.01	166.14	8.15	0.20	13.20
SUBTOTAL					193.0	25.0			21.35	0.11	
=====											
AFLUENTE SUCUSANI											
80	60.0	118.0	0.5	0.0							
81	0.0	113.0	42.5	0.0	60.0	5.0	0.01	21.48	1.05	0.02	0.00
SUBTOTAL					60.0	5.0			1.05	0.02	1.05
=====											
AFLUENTE MANGUA											
82	48.0	114.0	0.5	0.0							
83	0.0	109.0	23.8	0.0	48.0	5.0	0.01	12.15	0.60	0.01	0.00
SUBTOTAL					48.0	5.0			0.60	0.01	0.60
=====											
AFLUENTE NAPO											
84	530.0	181.0	1020.0	0.0							
85	509.0	179.0	1031.4	538.2	21.0	2.0	0.01	1025.68	20.12	0.96	0.00
86	469.0	175.0	1664.2	0.0	40.0	4.0	0.01	1616.63	63.44	1.59	20.12
87	419.0	171.0	1721.4	38.3	50.0	4.0	0.01	1692.80	66.43	1.33	83.57
88	371.0	169.0	1817.2	125.8	48.0	2.0	0.00	1788.45	35.09	0.73	149.99
89	333.0	165.0	1984.7	24.4	38.0	4.0	0.01	1963.87	77.06	2.03	185.08
90	325.0	161.0	2022.9	36.0	8.0	4.0	0.05	2016.04	79.11	9.69	262.15
91	298.0	157.0	2077.6	35.2	27.0	4.0	0.01	2068.26	81.16	3.01	341.25
92	278.0	153.0	2129.0	1255.4	20.0	4.0	0.02	2120.90	83.22	4.16	422.41
93	270.0	149.0	3392.4	44.3	8.0	4.0	0.05	3386.37	132.96	16.62	505.64
94	246.0	145.0	3469.4	215.6	24.0	4.0	0.02	3453.07	135.50	5.65	638.60
95	227.0	141.0	3704.5	31.5	19.0	4.0	0.02	3694.77	144.98	7.63	774.10
96	182.0	137.0	3837.8	116.9	45.0	4.0	0.01	3786.91	148.60	3.30	919.08
97	164.0	133.0	3986.6	28.1	18.0	4.0	0.02	3970.66	155.81	8.66	1067.68
98	133.0	129.0	4049.2	40.1	31.0	4.0	0.01	4031.98	158.21	5.10	1223.49
99	128.0	125.0	4098.5	71.1	5.0	4.0	0.08	4093.88	160.64	32.13	1381.70
100	118.0	121.0	4189.0	65.2	10.0	4.0	0.04	4179.26	163.99	16.40	1542.34
101	80.0	117.0	4259.8	174.2	38.0	4.0	0.01	4237.01	167.04	4.40	1706.34
102	40.0	113.0	4458.7	42.5	40.0	4.0	0.01	4446.36	174.48	4.36	1873.38
103	32.0	109.0	4512.9	23.8	8.0	4.0	0.05	4507.02	176.86	22.11	2047.86
104	0.0	105.0	4555.2	0.0	32.0	4.0	0.01	4545.95	178.38	5.57	2224.71
SUBTOTAL					530.0	76.0			2403.10	4.53	
=====											

 * EL POTENCIAL TEORICO TOTAL DEL RIO PUTUMAYO ES DE 742.2 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 2150.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 0.35 MW/KM *

POTENCIAL TEORICO DEL RIO PUTUMAYO 2/16/79

I	L	H	Q	AF @	DL	DH	PE	OC	POT	ESP	CUM
AFLUENTE GUEPPI											
1	45.0	149.0	201.9	0.0	45.0	2.0	0.00	220.16	4.32	0.10	0.00
2	0.0	147.0	258.5	0.0							4.32
SUBTOTAL					45.0	2.0			4.32	0.10	
AFLUENTE GURUYA											
3	90.0	144.0	5.6	0.0	40.0	3.0	0.01	15.51	0.40	0.01	0.00
4	50.0	141.0	21.5	0.0	50.0	2.0	0.00	30.75	0.60	0.01	0.40
5	0.0	139.0	40.0	0.0							1.00
SUBTOTAL					90.0	5.0			1.00	0.01	
AFLUENTE SOCICAYA											
6	80.0	138.0	1.2	0.0	80.0	2.0	0.00	15.98	0.51	0.00	0.00
7	0.0	136.0	30.7	0.0							0.51
SUBTOTAL					80.0	2.0			0.51	0.00	
AFLUENTE ANGUSILLA											
8	85.0	136.0	1.5	0.0	35.0	2.0	0.01	8.17	0.16	0.00	0.00
9	50.0	134.0	14.8	0.0	50.0	1.0	0.00	55.08	0.32	0.01	0.16
10	0.0	133.0	51.3	0.0							0.48
SUBTOTAL					85.0	3.0			0.48	0.01	
AFLUENTE YAVINETO											
11	120.0	134.0	5.4	0.0	70.0	2.0	0.00	35.01	0.69	0.01	0.00
12	50.0	132.0	64.6	0.0	50.0	2.0	0.00	94.35	1.85	0.04	0.69
13	0.0	130.0	124.1	0.0							2.54
SUBTOTAL					120.0	4.0			2.54	0.02	
AFLUENTE UNO											
14	65.0	126.0	9.1	0.0	65.0	2.0	0.00	38.15	0.75	0.01	0.00
15	0.0	124.0	67.2	0.0							0.75
SUBTOTAL					65.0	2.0			0.75	0.01	
AFLUENTE CAMPUYA											
16	100.0	124.0	3.2	0.0	50.0	2.0	0.00	20.76	0.41	0.01	0.00
17	50.0	122.0	38.3	0.0	50.0	1.0	0.00	63.90	0.63	0.01	0.41
18	0.0	121.0	89.5	0.0							1.03
SUBTOTAL					100.0	3.0			1.03	0.01	
AFLUENTE RETIRO											
19	70.0	118.0	5.4	0.0	70.0	2.0	0.00	51.24	1.01	0.01	0.00
20	0.0	116.0	97.1	0.0							1.01
SUBTOTAL					70.0	2.0			1.01	0.01	

POTENCIAL TEORICO DEL RIO PUTUMAYO 2/16/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE ALGODON											
21	180.0	109.0	1.7	0.0	30.0	1.0	0.00	10.41	0.10	0.00	0.00
22	150.0	108.0		0.0	50.0	2.0	0.00	43.10	0.85	0.02	0.10
23	100.0	106.0	66.8	0.0	50.0	1.0	0.00	89.19	0.87	0.02	0.95
24	50.0	105.0	111.5	0.0	50.0	1.0	0.00	133.13	1.31	0.03	1.82
25	0.0	104.0	154.7	0.0							3.13
SUBTOTAL					180.0	5.0			3.13	0.02	
=====											
AFLUENTE SAN SALVADOR											
26	50.0	101.0	1.0	0.0	50.0	2.0	0.00	12.73	0.25	0.00	0.00
27	0.0	99.0	24.5	0.0							0.25
SUBTOTAL					50.0	2.0			0.25	0.00	
=====											
AFLUENTE YAGUAS											
28	250.0	95.0	6.0	0.0	50.0	1.0	0.00	37.50	0.37	0.01	0.00
29	200.0	94.0	69.0	0.0	50.0	1.0	0.00	116.81	1.15	0.02	0.37
30	150.0	93.0	164.6	0.0	50.0	1.0	0.00	221.74	2.18	0.04	1.51
31	100.0	92.0	278.9	0.0	50.0	2.0	0.00	324.52	6.37	0.13	3.69
32	50.0	90.0	370.2	0.0	50.0	1.0	0.00	390.01	3.83	0.08	10.06
33	0.0	89.0	409.8	0.0							13.88
SUBTOTAL					250.0	6.0			13.88	0.06	
=====											
AFLUENTE PUTUMAYO											
34	995.0	147.0	0.0	238.5	30.0	4.0	0.01	256.13	10.15	0.34	0.00
35	965.0	143.0	277.7	409.8	50.0	2.0	0.00	698.79	13.71	0.27	10.13
36	915.0	141.0	710.0	0.0	50.0	2.0	0.00	730.08	14.32	0.29	23.84
37	865.0	139.0	750.2	40.0	50.0	2.0	0.00	790.89	23.26	1.16	36.16
38	845.0	136.0	791.6	30.7	20.0	3.0	0.02	823.20	24.23	1.62	61.44
39	830.0	133.0	824.1	51.3	15.0	3.0	0.02	883.80	26.01	0.58	85.67
40	785.0	130.0	892.2	124.1	45.0	3.0	0.01	933.71	30.42	0.61	111.68
41	735.0	127.0	1051.2	0.0	50.0	3.0	0.01	1033.71	33.74	0.63	142.10
42	685.0	124.0	1085.4	67.2	50.0	3.0	0.01	1065.28	34.53	0.53	173.54
43	620.0	121.0	1193.9	69.5	65.0	3.0	0.00	1173.25	34.53	0.53	208.07
44	570.0	119.0	1298.2	0.0	50.0	2.0	0.00	1290.81	25.33	0.51	233.39
45	520.0	116.0	1322.5	97.1	50.0	3.0	0.01	1310.35	38.56	0.77	271.96
46	490.0	113.0	1443.0	0.0	30.0	3.0	0.01	1437.32	42.12	1.40	314.08
47	440.0	110.0	1461.6	0.0	50.0	3.0	0.01	1452.29	42.74	0.85	356.82
48	385.0	107.0	1485.4	0.0	55.0	3.0	0.01	1473.50	43.37	0.79	400.19
49	335.0	104.0	1508.3	154.7	50.0	3.0	0.01	1496.87	44.05	0.88	444.24
50	272.0	102.0	1735.6	0.0	63.0	2.0	0.00	1699.30	33.34	0.53	477.58
51	222.0	99.0	1761.6	24.5	50.0	3.0	0.01	1748.56	51.46	1.03	529.04
52	152.0	96.0	1844.0	0.0	70.0	3.0	0.00	1815.03	53.42	0.76	582.46
53	102.0	94.0	1891.8	0.0	50.0	2.0	0.00	1867.93	36.65	0.73	619.10
54	52.0	92.0	1930.1	0.0	50.0	2.0	0.00	1910.99	37.49	0.75	656.60
55	1.0	89.0	1939.3	0.0	51.0	3.0	0.01	1934.71	56.94	1.12	713.54
56	0.0	89.0	1940.1	0.0	1.0	0.0	0.00	1939.71	0.00	0.00	713.54
SUBTOTAL					995.0	58.0			713.54	0.72	
=====											

 * EL POTENCIAL TEORICO TOTAL DEL RIO YAVARI ES DE 7077.3 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 1875.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 3.77 MW/KM *

POTENCIAL TEORICO DEL RIO YAVARI 2/16/79

I	L	H	Q	AFQ	DL	DM	PE	GC	POT	ESP	CUM
=====											
AFLUENTE REMO											
1	30.0	375.0	2.9	0.0							0.00
2	0.0	360.0	53.7	0.0	30.0	15.0	0.05	28.30	4.16	0.14	4.16
S U T T A L					30.0	15.0			4.16	0.14	
=====											
AFLUENTE GALVES											
3	125.0	400.0	3.5	0.0							0.00
4	95.0	585.0	33.5	0.0	30.0	15.0	0.05	18.50	2.72	0.09	2.72
5	45.0	360.0	90.6	53.7	50.0	25.0	0.05	62.06	15.22	0.30	17.94
6	0.0	358.0	242.0	0.0	45.0	22.0	0.05	193.14	41.68	0.93	59.62
S U B T O T A L					125.0	62.0			59.62	0.48	
=====											
AFLUENTE ESPERANZA											
7	50.0	289.0	2.9	0.0							0.00
8	0.0	264.0	68.5	0.0	50.0	25.0	0.05	35.69	8.75	0.18	8.75
S U B T O T A L					50.0	25.0			8.75	0.18	
=====											
AFLUENTE YAVARI MIRIN											
9	210.0	454.0	3.0	0.0							0.00
10	180.0	339.0	55.3	0.0	30.0	115.0	0.38	29.13	32.87	1.10	32.87
11	130.0	314.0	135.2	0.0	50.0	25.0	0.05	95.26	23.36	0.47	56.23
12	80.0	289.0	229.0	0.0	50.0	25.0	0.05	182.12	44.66	0.89	100.89
13	30.0	264.0	346.0	68.5	30.0	15.0	0.05	287.53	70.52	1.41	171.41
14	0.0	249.0	451.7	0.0	30.0	15.0	0.05	433.11	63.73	2.12	235.14
S U B T O T A L					210.0	205.0			235.14	1.12	
=====											
AFLUENTE FRECHEIRA											
15	100.0	278.0	7.5	0.0							0.00
16	50.0	253.0	58.1	0.0	50.0	25.0	0.05	52.80	8.04	0.16	8.04
17	0.0	228.0	89.8	0.0	50.0	25.0	0.05	73.95	18.14	0.36	26.18
S U B T O T A L					100.0	50.0			26.18	0.26	

POTENCIAL TEORICO DEL RIO YAVARI

2/16/79

I	L	H	W	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE CURACAO											
18	350.0	388.0	3.0	0.0							0.00
19	330.0	378.0	43.1	0.0	20.0	10.0	0.05	23.04	2.26	0.11	2.26
20	280.0	353.0	108.0	0.0	50.0	25.0	0.05	75.57	18.53	0.37	20.79
21	230.0	328.0	250.0	0.0	50.0	25.0	0.05	179.04	43.91	0.88	64.70
22	180.0	303.0	380.1	0.0	50.0	25.0	0.05	315.06	77.27	1.55	141.97
23	130.0	278.0	530.0	0.0	50.0	25.0	0.05	455.02	111.59	2.23	253.56
24	80.0	238.0	592.8	0.0	50.0	40.0	0.08	561.40	220.29	4.41	473.86
25	30.0	228.0	646.5	89.8	50.0	10.0	0.02	619.66	60.79	1.22	534.65
26	0.0	213.0	759.9	0.0	30.0	15.0	0.05	748.08	110.08	3.67	644.73
=====											
SUBTOTAL					350.0	175.0			644.73	1.84	
=====											
AFLUENTE QUIXITO											
27	100.0	176.0	5.2	0.0							0.00
28	50.0	142.0	82.2	0.0	50.0	34.0	0.07	43.66	14.56	0.29	14.56
29	0.0	118.0	135.0	0.0	50.0	24.0	0.05	108.57	25.56	0.51	40.13
=====											
SUBTOTAL					100.0	58.0			40.13	0.40	
=====											
AFLUENTE ITHUY											
30	120.0	168.0	4.6	0.0							0.00
31	70.0	143.0	56.9	0.0	50.0	25.0	0.05	30.72	7.53	0.15	7.53
32	20.0	118.0	146.4	135.0	50.0	25.0	0.05	101.64	24.93	0.50	32.46
33	0.0	108.0	301.7	0.0	20.0	10.0	0.05	291.54	28.60	1.43	61.06
=====											
SUBTOTAL					120.0	60.0			61.06	0.51	
=====											
AFLUENTE YAVARI											
34	790.0	500.0	4.2	0.0							0.00
35	730.0	468.0	97.8	0.0	60.0	32.0	0.05	50.99	16.01	0.27	16.01
36	680.0	442.0	232.8	0.0	50.0	26.0	0.05	165.32	42.17	0.84	58.17
37	630.0	416.0	400.2	0.0	50.0	26.0	0.05	316.50	80.73	1.61	138.90
38	580.0	390.0	478.2	0.0	50.0	26.0	0.05	439.19	112.02	2.24	250.92
39	530.0	364.0	628.7	0.0	50.0	26.0	0.05	553.43	141.16	2.82	392.07
40	480.0	338.0	708.7	242.0	50.0	26.0	0.05	668.70	170.56	3.41	562.63
41	460.0	327.0	1000.0	0.0	20.0	11.0	0.05	975.37	105.25	5.26	667.89
42	410.0	301.0	1232.4	0.0	50.0	26.0	0.05	1116.21	284.70	5.69	952.59
43	360.0	275.0	1318.0	0.0	50.0	26.0	0.05	1275.20	325.25	6.51	1277.84
44	310.0	249.0	1413.1	451.7	50.0	26.0	0.05	1365.58	348.31	6.97	1626.14
45	290.0	239.0	1924.7	0.0	20.0	10.0	0.05	1894.74	185.87	9.29	1812.02
46	240.0	213.0	1986.5	759.9	50.0	26.0	0.05	1955.56	498.79	9.98	2310.80
47	190.0	187.0	2861.7	0.0	50.0	26.0	0.05	2804.01	715.19	14.30	3026.00
48	140.0	161.0	2991.6	0.0	50.0	26.0	0.05	2926.64	746.47	14.93	3772.46
49	90.0	134.0	2995.4	0.0	50.0	27.0	0.05	2993.49	792.89	15.86	4565.35
50	40.0	108.0	3044.7	301.7	50.0	26.0	0.05	3020.04	770.29	15.41	5335.64
51	0.0	88.0	3400.7	0.0	40.0	20.0	0.05	3373.55	661.89	16.55	5997.53
=====											
SUBTOTAL					790.0	412.0			5997.53	7.59	

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*****
* EL POTENCIAL TEORICO TOTAL DEL RIO PURUS      ES DE    269.0 MW
*
* Y TIENE UNA LONGITUD ACUMULADA DE          825.0 KM
*
* Y UN POTENCIAL ESPECIFICO DE              0.33 MW/KM
*
*****

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POTENCIAL TEORICO DEL RIO PURUS 2/16/79

I	L	H	G	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE CURIUJA											
1	80.0	456.0	1.2	0.0							0.00
2	50.0	449.0	17.8	0.0	30.0	7.0	0.02	9.49	0.65	0.02	0.65
3	0.0	436.0	54.8	0.0	50.0	13.0	0.03	36.30	4.63	0.09	5.28
					SUBTOTAL	80.0	20.0		5.28	0.07	
=====											
AFLUENTE RONSOCOYACU											
4	30.0	441.0	0.6	0.0							0.00
5	0.0	453.0	17.8	0.0	30.0	8.0	0.03	9.19	0.72	0.02	0.72
					SUBTOTAL	30.0	8.0		0.72	0.02	
=====											
AFLUENTE RONCOSO											
6	30.0	437.0	0.6	0.0							0.00
7	0.0	429.0	10.5	0.0	30.0	8.0	0.03	5.57	0.44	0.01	0.44
					SUBTOTAL	30.0	8.0		0.44	0.01	
=====											
AFLUENTE CURUNJA											
8	185.0	455.0	0.6	0.0							0.00
9	150.0	426.0	18.1	0.0	45.0	9.0	0.03	9.34	0.82	0.02	0.82
10	100.0	413.0	52.1	0.0	50.0	13.0	0.03	35.09	4.48	0.09	5.30
11	50.0	400.0	122.3	0.0	50.0	13.0	0.03	87.21	11.12	0.22	11.42
12	0.0	387.0	156.4	0.0	50.0	13.0	0.03	139.36	17.77	0.36	34.19
					SUBTOTAL	185.0	48.0		34.19	0.18	
=====											
AFLUENTE CHAMBUYACU											
13	40.0	376.0	0.9	0.0							0.00
14	0.0	366.0	17.9	0.0	40.0	10.0	0.02	9.40	0.92	0.02	0.92
					SUBTOTAL	40.0	10.0		0.92	0.02	
=====											

POTENCIAL TEORICO DEL RIO PURUS

2/16/79

I	L	H	D	AFD	DL	DM	PE	QC	POT	ESP	CUM
AFLUENTE SANTA ROSA											
15	80.0	380.0	1.2	0.0	30.0	7.0	0.02	5.17	0.36	0.01	0.00
16	50.0	375.0	9.1	0.0	50.0	13.0	0.03	14.63	1.87	0.04	0.36
17	0.0	360.0	20.1	0.0							2.22
SUBTOTAL					80.0	20.0			2.22	0.03	
AFLUENTE PURUS											
18	380.0	460.0	0.9	0.0	40.0	11.0	0.03	13.56	1.46	0.04	0.00
19	340.0	449.0	26.2	0.0	50.0	13.0	0.03	39.31	5.01	0.10	1.46
20	290.0	436.0	52.4	54.8	10.0	3.0	0.03	109.20	3.21	0.32	6.46
21	280.0	433.0	111.2	17.8	15.0	4.0	0.03	132.40	5.20	0.35	9.69
22	265.0	429.0	135.9	10.5	50.0	16.0	0.03	181.95	28.56	0.48	14.89
23	205.0	413.0	217.5	0.0	50.0	13.0	0.03	223.67	28.53	0.57	43.44
24	155.0	400.0	229.8	0.0	50.0	13.0	0.03	249.62	31.83	0.64	71.97
25	105.0	387.0	269.4	156.4	30.0	8.0	0.03	434.11	34.07	1.14	103.80
26	75.0	379.0	442.4	0.0	50.0	13.0	0.03	456.85	58.26	1.17	137.87
27	25.0	366.0	471.3	17.9	25.0	6.0	0.02	494.49	29.11	1.16	196.13
28	0.0	360.0	499.8	20.1							225.24
SUBTOTAL					380.0	100.0			225.24	0.59	

 *
 * EL POTENCIAL TEORICO TOTAL DEL RIO MADREDEDIOS ES DE 8636.7 MW *
 *
 * Y TIENE UNA LONGITUD ACUMULADA DE 1995.0 KM *
 *
 * Y UN POTENCIAL ESPECIFICO DE 4.43 MW/KM *
 *

POTENCIAL TEORICO DEL RIO MADREDEDIOS 2/16/79

I	L	H	Q	AFQ	DL	DH	PE	UC	POT	ESP	CUM
=====											
AFLUENTE MANU											
1	520.0	2000.0	1.8	0.0							0.00
2	266.0	490.0	55.7	0.0	60.0	1510.0	2.52	28.73	425.52	7.09	425.52
3	210.0	466.0	154.3	0.0	50.0	24.0	0.05	104.99	24.72	0.49	450.24
4	160.0	442.0	368.2	0.0	50.0	24.0	0.05	231.25	54.45	1.09	504.69
5	100.0	413.0	521.5	0.0	60.0	29.0	0.05	414.85	118.02	1.97	622.71
6	50.0	389.0	615.3	0.0	50.0	24.0	0.05	568.42	133.83	2.68	756.54
7	0.0	365.0	769.1	0.0	50.0	24.0	0.05	692.21	162.97	3.26	919.51
SUBTOTAL					320.0	1635.0			919.51	2.87	
=====											
AFLUENTE COLORADO											
8	100.0	1020.0	2.2	0.0							0.00
9	0.0	335.0	197.3	0.0	100.0	685.0	0.69	99.73	670.20	6.70	670.20
SUBTOTAL					100.0	685.0			670.20	6.70	
=====											
AFLUENTE DELASPIEDRAS											
10	520.0	511.0	2.1	0.0							0.00
11	470.0	487.0	30.1	0.0	50.0	24.0	0.05	16.12	3.79	0.08	3.79
12	420.0	464.0	101.5	0.0	50.0	23.0	0.05	65.82	14.85	0.30	18.65
13	360.0	435.0	147.6	0.0	60.0	29.0	0.05	124.56	35.44	0.59	54.08
14	310.0	411.0	191.3	0.0	50.0	24.0	0.05	169.45	39.90	0.80	93.98
15	260.0	387.0	220.5	0.0	50.0	24.0	0.05	205.90	48.48	0.97	142.46
16	210.0	363.0	337.3	0.0	50.0	24.0	0.05	278.89	65.66	1.31	208.12
17	150.0	334.0	362.0	0.0	60.0	29.0	0.05	349.63	99.47	1.66	307.58
18	100.0	310.0	421.9	0.0	50.0	24.0	0.05	391.97	92.28	1.85	399.87
19	50.0	287.0	456.6	0.0	50.0	23.0	0.05	439.26	99.11	1.98	498.98
20	20.0	272.0	468.7	0.0	30.0	15.0	0.05	462.65	68.08	2.27	567.06
21	0.0	263.0	472.1	0.0	20.0	9.0	0.05	470.42	41.53	2.08	608.59
SUBTOTAL					520.0	248.0			608.59	1.17	
=====											

POTENCIAL TEORICO DEL RIO MADREDEDIOS 2/16/79

I	L	H	Q	AFQ	DL	DM	PE	QC	POT	ESP	CUM
=====											
AFLUENTE CARAMA											
22	110.0	506.0	4.2	0.0							
					70.0	101.0	0.14	36.60	36.26	0.52	0.00
23	40.0	405.0	69.0	0.0							36.26
					40.0	62.0	0.15	81.94	49.84	1.25	
24	0.0	343.0	94.9	0.0							86.10
					SUBTOTAL	110.0	163.0		86.10	0.78	
=====											
AFLUENTE TAMBOPATA											
25	360.0	4000.0	0.9	0.0							0.00
					70.0	3072.0	4.39	14.09	424.76	6.07	
26	290.0	928.0	27.3	0.0							424.76
					50.0	438.0	0.88	51.90	223.01	4.46	
27	240.0	490.0	76.5	0.0							647.77
					50.0	49.0	0.10	88.34	42.47	0.85	
28	190.0	441.0	100.2	0.0							690.24
					50.0	49.0	0.10	143.50	68.98	1.38	
29	140.0	392.0	186.8	0.0							759.22
					50.0	49.0	0.10	208.77	100.35	2.01	
30	90.0	343.0	250.8	94.9							859.57
					40.0	39.0	0.10	359.10	137.39	3.45	
31	50.0	304.0	392.5	0.0							996.96
					50.0	48.0	0.10	404.20	190.33	3.81	
32	0.0	256.0	415.9	0.0							1187.29
					SUBTOTAL	360.0	3744.0		1187.29	5.30	
=====											
AFLUENTE MADREDEDIOS											
33	585.0	4000.0	2.0	0.0							0.00
					50.0	2778.0	5.56	36.88	1004.98	20.10	
34	535.0	1222.0	71.6	0.0							1004.98
					20.0	222.0	1.11	120.97	263.44	13.17	
35	515.0	1000.0	170.2	0.0							1268.43
					50.0	548.0	1.10	209.97	1128.78	22.58	
36	465.0	452.0	249.8	0.0							2397.21
					55.0	87.0	0.16	276.62	236.09	4.29	
37	410.0	365.0	303.5	769.1							2633.30
					90.0	30.0	0.03	1166.17	343.20	3.81	
38	320.0	335.0	1259.8	197.3							2976.50
					20.0	6.0	0.03	1467.01	86.35	4.32	
39	300.0	329.0	1476.9	0.0							3062.85
					55.0	18.0	0.03	1636.21	288.92	5.25	
40	245.0	311.0	1795.5	0.0							3351.77
					55.0	18.0	0.03	2287.46	403.92	7.34	
41	190.0	293.0	2779.4	0.0							3755.69
					70.0	23.0	0.03	2836.27	639.95	9.14	
42	120.0	270.0	2893.1	0.0							4395.64
					30.0	7.0	0.02	2907.46	199.66	6.66	
43	90.0	263.0	2921.8	472.1							4595.29
					15.0	7.0	0.05	3399.83	233.47	15.56	
44	75.0	256.0	3405.7	415.9							4828.76
					75.0	14.0	0.02	3904.64	536.26	7.15	
45	0.0	242.0	3987.7	0.0							5365.02
					SUBTOTAL	585.0	3758.0		5365.02	9.17	
=====											

 * EL POTENCIAL TEORICO TOTAL DEL RIO INAMBARI ES DE 10110.0 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 1552.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 6.51 MW/KM *

POTENCIAL TEORICO DEL RIO INAMBARI 2/16/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE AYA											
1	22.0	4050.0	0.1	0.0	12.0	650.0	5.42	0.79	5.07	0.42	0.00
2	10.0	3400.0	1.5	0.0	10.0	600.0	6.00	3.50	20.57	2.06	5.07
3	0.0	2800.0	5.5	0.0							25.64
					SUBTOTAL	22.0	1250.0		25.64	1.17	
=====											
AFLUENTE AMANOGA											
4	19.0	3850.0	0.0	0.0	9.0	900.0	10.00	0.73	6.41	0.71	0.00
5	10.0	2950.0	1.4	0.0	10.0	600.0	6.00	3.01	17.71	1.77	6.41
6	0.0	2350.0	4.6	0.0							24.12
					SUBTOTAL	19.0	1500.0		24.12	1.27	
=====											
AFLUENTE SANDIA											
7	58.0	4050.0	0.1	0.0	12.0	800.0	6.67	0.89	7.00	0.58	0.00
8	46.0	3250.0	1.7	0.0	10.0	450.0	4.50	2.36	10.40	1.04	7.00
9	36.0	2800.0	3.0	5.5	7.0	450.0	6.43	10.27	45.52	6.47	17.41
10	29.0	2350.0	12.1	4.6	14.0	600.0	4.29	21.95	129.21	9.23	62.73
11	15.0	1750.0	27.2	0.0	15.0	160.0	1.07	32.19	50.52	3.37	191.94
12	0.0	1590.0	37.1	0.0							242.46
					SUBTOTAL	58.0	2460.0		242.46	4.18	
=====											
AFLUENTE PATAMBUCCO											
13	73.0	4350.0	0.0	0.0	13.0	600.0	4.62	1.26	7.40	0.57	0.00
14	60.0	3750.0	2.5	0.0	10.0	450.0	4.50	3.63	16.01	1.60	7.40
15	50.0	3300.0	4.8	0.0	10.0	450.0	4.50	8.05	35.54	3.55	23.41
16	40.0	2850.0	11.3	0.0	10.0	450.0	4.50	13.93	61.52	6.15	58.95
17	30.0	2400.0	16.5	0.0	10.0	450.0	4.50	20.12	88.83	8.88	120.47
18	20.0	1950.0	23.7	0.0	10.0	400.0	4.00	25.22	98.94	9.89	209.29
19	10.0	1550.0	26.7	0.0	10.0	700.0	7.00	28.72	197.19	19.72	308.24
20	0.0	850.0	30.7	0.0							505.43
					SUBTOTAL	73.0	3500.0		505.43	6.92	
=====											
AFLUENTE NANCY											
21	21.0	4600.0	0.1	0.0	11.0	877.0	7.97	1.00	8.64	0.79	0.00
22	10.0	3723.0	2.0	0.0	10.0	273.0	2.73	2.69	7.22	0.72	8.64
23	0.0	3450.0	3.4	0.0							15.86
					SUBTOTAL	21.0	1150.0		15.86	0.76	
=====											

POTENCIAL TEORICO DEL RIO INANBARI

2/16/79

I	L	H	Q	AFQ	DL	OH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE LIMBANI											
24	37.0	4700.0	0.1	0.0	7.0	550.0	7.86	0.39	2.11	0.30	0.00
25	30.0	4150.0	0.7	0.0	10.0	550.0	5.50	1.90	10.24	1.02	2.11
26	20.0	3600.0	3.1	0.0	10.0	500.0	5.00	5.11	25.08	2.51	12.35
27	10.0	3100.0	-	0.0	10.0	700.0	7.00	9.10	62.51	6.25	37.42
28	0.0	2400.0	11.1	0.0							49.04
SUBTOTAL					37.0	2300.0			99.94	2.70	
=====											
AFLUENTE USICAYOS											
29	66.0	4800.0	0.1	0.0	15.0	550.0	3.67	1.25	6.77	0.45	0.00
30	51.0	4250.0	2.4	0.0	10.0	500.0	5.00	4.80	23.55	2.35	6.77
31	41.0	3750.0	7.2	0.0	10.0	300.0	3.00	8.65	25.46	2.55	30.31
32	31.0	3450.0	10.1	3.4	13.0	1050.0	8.08	15.61	160.81	12.37	55.77
33	18.0	2400.0	17.7	11.1	8.0	900.0	11.25	31.63	279.27	34.91	216.58
34	10.0	1500.0	34.5	0.0	10.0	750.0	7.50	38.02	279.70	27.47	495.85
35	0.0	750.0	41.5	0.0							775.55
SUBTOTAL					66.0	4050.0			775.55	11.75	
=====											
AFLUENTE AYAPATA											
36	45.0	4300.0	0.0	0.0	5.0	230.0	4.60	0.18	0.40	0.08	0.00
37	40.0	4070.0	0.3	0.0	10.0	470.0	4.70	0.96	4.43	0.44	0.40
38	30.0	3600.0	1.6	0.0	10.0	1130.0	11.30	4.02	44.60	4.46	4.83
39	20.0	2470.0	6.5	0.0	10.0	470.0	4.70	8.40	36.72	3.87	49.44
40	10.0	2000.0	10.3	0.0	10.0	900.0	9.00	11.70	103.30	10.33	68.15
41	0.0	1100.0	13.1	0.0							191.45
SUBTOTAL					45.0	3200.0			191.45	4.25	
=====											
AFLUENTE TACORA											
42	83.0	4650.0	0.1	0.0	16.0	550.0	3.44	1.05	5.67	0.35	0.00
43	67.0	4100.0	2.0	0.0	10.0	550.0	5.50	3.56	19.23	1.92	5.67
44	57.0	3550.0	5.1	0.0	10.0	375.0	3.75	6.60	24.30	2.43	24.69
45	47.0	3175.0	8.1	0.0	10.0	475.0	4.75	8.86	41.29	4.13	49.19
46	37.0	2700.0	9.6	0.0	10.0	1600.0	16.00	11.66	162.95	18.29	90.40
47	27.0	1100.0	13.7	13.1	7.0	300.0	4.29	26.68	84.41	12.06	273.43
48	20.0	800.0	30.6	0.0	10.0	150.0	1.50	35.74	52.59	5.26	357.85
49	10.0	650.0	40.9	0.0	10.0	150.0	1.50	47.10	69.31	6.93	410.44
50	0.0	500.0	53.3	0.0							479.75
SUBTOTAL					83.0	4150.0			479.75	5.78	
=====											
AFLUENTE CHALLAPAMPA											
51	37.0	4952.0	0.0	0.0	17.0	402.0	2.36	1.37	5.39	0.32	0.00
52	20.0	4550.0	2.7	0.0	10.0	250.0	2.50	4.42	10.84	1.08	5.39
53	10.0	4300.0	6.1	0.0	10.0	230.0	2.30	6.58	14.84	1.48	16.23
54	0.0	4070.0	7.0	0.0							31.07
SUBTOTAL					37.0	882.0			31.07	0.84	
=====											
AFLUENTE CORANI											
55	55.0	5000.0	0.1	0.0	12.0	500.0	4.17	1.13	5.52	0.46	0.00
56	43.0	4500.0	2.2	0.0	10.0	200.0	2.00	4.22	8.28	0.83	5.52
57	33.0	4300.0	6.3	0.0	10.0	230.0	2.30	7.10	16.02	1.60	13.80
58	23.0	4070.0	7.9	7.0	13.0	320.0	2.46	17.87	56.09	4.31	29.82
59	10.0	3750.0	20.8	0.0	10.0	775.0	7.75	21.27	161.73	16.17	85.91
60	0.0	2975.0	21.8	0.0							247.64
SUBTOTAL					55.0	2025.0			247.64	4.50	
=====											
AFLUENTE LLUCA											
61	23.0	5000.0	0.0	0.0	3.0	1500.0	50.00	1.13	16.58	5.53	0.00
62	20.0	3500.0	2.2	0.0	10.0	600.0	6.00	3.16	18.62	1.86	16.58
63	10.0	2900.0	4.1	0.0	10.0	1300.0	13.00	6.79	86.56	8.66	39.20
64	0.0	1600.0	9.5	0.0							121.76
SUBTOTAL					23.0	3400.0			121.76	5.29	

POTENCIAL TEORICO DEL RIO INAMBARI

2/16/79

I	L	H	Q	AFO	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE SAN GAVAN											
65	132.0	5000.0	0.0	0.0	9.0	468.0	5.20	0.70	3.23	0.36	0.00
66	123.0	4532.0	1.4	0.0	10.0	86.0	0.86	1.95	1.65	0.16	3.23
67	113.0	4446.0	2.5	0.0	10.0	136.0	1.36	3.03	4.04	0.40	4.88
68	103.0	4310.0	3.5	0.0	10.0	115.0	1.15	10.37	11.70	1.17	8.92
69	93.0	4195.0	17.2	0.0	10.0	495.0	4.95	18.30	88.85	8.88	20.62
70	83.0	3700.0	19.4	0.0	10.0	400.0	4.00	21.92	86.01	8.60	109.47
71	73.0	3300.0	24.4	0.0	10.0	325.0	3.25	25.42	81.04	8.10	195.46
72	63.0	2975.0	26.4	21.8	9.0	775.0	8.61	49.02	372.66	41.41	276.52
73	54.0	2200.0	49.8	0.0	10.0	600.0	6.00	51.22	301.46	30.15	649.19
74	44.0	1600.0	52.6	9.5	14.0	700.0	5.00	67.33	462.38	33.03	950.65
75	30.0	900.0	72.6	0.0	10.0	330.0	3.30	80.95	262.07	26.21	1413.03
76	20.0	570.0	89.3	0.0	10.0	90.0	0.90	92.44	81.62	8.16	1675.10
77	10.0	480.0	95.6	0.0	10.0	55.0	0.55	103.59	55.89	5.59	1756.72
78	0.0	425.0	111.6	0.0							1812.61
SUBTOTAL					132.0	4575.0			1812.61	13.73	
=====											
AFLUENTE YAMUARMAYO											
79	50.0	1500.0	0.1	0.0	8.0	625.0	7.81	1.20	7.33	0.92	0.00
80	50.0	875.0	2.3	0.0	10.0	85.0	0.85	3.53	2.94	0.29	7.33
81	40.0	790.0	4.7	0.0	10.0	80.0	0.80	4.20	7.22	0.72	10.27
82	30.0	710.0	13.7	0.0	10.0	130.0	1.30	15.83	20.18	2.02	17.49
83	20.0	580.0	18.0	0.0	10.0	130.0	1.30	21.79	27.79	2.78	37.68
84	10.0	450.0	25.6	0.0	10.0	65.0	0.65	27.19	17.34	1.73	65.46
85	0.0	385.0	28.8	0.0							82.80
SUBTOTAL					58.0	1115.0			82.80	1.43	
=====											
AFLUENTE PATA											
86	30.0	4900.0	0.0	0.0	10.0	1100.0	11.00	0.67	7.26	0.73	0.00
87	20.0	3800.0	1.3	0.0	10.0	1500.0	15.00	2.82	41.44	4.14	7.26
88	10.0	2300.0	4.3	0.0	10.0	325.0	3.25	5.91	18.84	1.88	48.70
89	0.0	1975.0	7.5	0.0							67.54
SUBTOTAL					30.0	2925.0			67.54	2.25	
=====											
AFLUENTE HUANCABUACHA											
90	32.0	4600.0	0.1	0.0	12.0	1200.0	10.00	1.40	16.44	1.37	0.00
91	20.0	3400.0	2.7	0.0	10.0	1300.0	13.00	3.64	46.42	4.64	16.44
92	10.0	2100.0	4.6	0.0	10.0	1000.0	10.00	8.42	82.57	8.26	62.86
93	0.0	1100.0	12.3	0.0							145.43
SUBTOTAL					32.0	3500.0			145.43	4.54	
=====											
AFLUENTE GABY											
94	48.0	4500.0	0.0	0.0	8.0	900.0	11.25	0.38	3.39	0.42	0.00
95	40.0	3600.0	0.8	0.0	10.0	1600.0	16.00	3.42	53.74	5.37	3.39
96	30.0	2000.0	6.1	0.0	10.0	1200.0	12.00	9.33	109.83	10.98	57.13
97	20.0	800.0	12.6	0.0	10.0	150.0	1.50	16.37	24.09	2.41	166.95
98	10.0	650.0	20.2	0.0	10.0	150.0	1.50	23.76	34.96	3.50	191.04
99	0.0	500.0	27.3	0.0							226.00
SUBTOTAL					48.0	4000.0			226.00	4.71	

POTENCIAL TEORICO DEL RIO INANBARI

2/16/79

I	L	H	Q	AFQ	DL	DM	PE	QC	POT	ESP	CUM
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AFLUENTE NUSINISCATO

100	100.0	4200.0	0.0	0.0							0.00
101	90.0	3150.0	0.9	0.0	10.0	1050.0	10.50	0.48	4.97	0.50	4.97
102	80.0	2000.0	2.9	0.0	10.0	1150.0	11.50	1.93	21.81	2.18	26.78
103	70.0	1200.0	5.7	0.0	10.0	800.0	8.00	4.31	33.85	3.39	60.63
104	60.0	950.0	10.3	0.0	10.0	250.0	2.50	8.02	19.66	1.97	80.29
105	50.0	850.0	22.6	0.0	10.0	100.0	1.00	16.46	16.14	1.61	96.43
106	40.0	780.0	29.9	0.0	10.0	70.0	0.70	26.25	18.03	1.80	114.46
107	30.0	650.0	46.3	0.0	10.0	130.0	1.30	38.11	48.60	4.80	163.06
108	20.0	590.0	52.2	0.0	10.0	60.0	0.60	49.26	29.00	2.90	192.05
109	10.0	520.0	59.8	0.0	10.0	70.0	0.70	56.02	38.47	3.85	240.52
110	0.0	465.0	70.8	0.0	10.0	55.0	0.55	65.30	35.23	3.52	265.75
SUBTOTAL					100.0	3735.0			265.75	2.66	

AFLUENTE TERESA

111	72.0	4700.0	0.0	0.0							0.00
112	60.0	3500.0	1.8	0.0	12.0	1150.0	9.58	0.90	10.10	0.84	10.10
113	50.0	2600.0	5.7	0.0	10.0	950.0	9.50	3.77	35.09	3.51	45.19
114	40.0	1200.0	7.4	0.0	10.0	1400.0	14.00	6.55	89.94	8.99	135.13
115	30.0	775.0	17.3	0.0	10.0	425.0	4.25	12.31	51.30	5.13	186.43
116	20.0	580.0	26.0	0.0	10.0	195.0	1.95	21.63	41.38	4.14	227.81
117	10.0	510.0	31.4	0.0	10.0	70.0	0.70	28.69	19.70	1.97	247.51
118	0.0	450.0	47.9	0.0	10.0	60.0	0.60	39.65	23.34	2.33	270.85
SUBTOTAL					72.0	4250.0			270.85	3.76	

AFLUENTE MARCAPATA

119	136.0	4850.0	0.0	0.0							0.00
120	125.0	4075.0	1.2	0.0	11.0	775.0	7.05	0.60	4.59	0.42	4.59
121	115.0	3350.0	3.6	0.0	10.0	725.0	7.25	2.39	17.02	1.70	21.61
122	105.0	2600.0	11.8	0.0	10.0	750.0	7.50	7.71	56.71	5.67	78.32
123	95.0	1975.0	17.7	7.5	10.0	625.0	6.25	14.74	90.40	9.04	168.72
124	83.0	1300.0	32.4	0.0	12.0	675.0	5.62	28.80	190.73	15.89	359.45
125	73.0	1100.0	36.2	12.3	10.0	200.0	2.00	34.32	67.34	6.73	426.79
126	66.0	1000.0	57.2	0.0	7.0	100.0	1.43	52.87	51.87	7.41	478.66
127	56.0	800.0	64.8	0.0	10.0	200.0	2.00	61.00	119.69	11.97	598.35
128	46.0	730.0	67.6	0.0	10.0	70.0	0.70	66.17	45.44	4.54	643.79
129	36.0	500.0	77.1	27.3	10.0	230.0	2.30	72.34	163.22	16.32	807.01
130	24.0	465.0	112.3	70.8	12.0	35.0	0.29	108.36	37.21	3.10	844.21
131	20.0	450.0	183.9	47.9	4.0	15.0	0.37	183.49	27.00	6.75	871.21
132	10.0	405.0	248.0	0.0	10.0	45.0	0.45	239.93	105.92	10.59	977.13
133	0.0	342.0	251.4	0.0	10.0	63.0	0.63	249.69	154.32	15.43	1131.45
SUBTOTAL					136.0	4508.0			1131.45	8.32	

POTENCIAL TEORICO DEL RIO INAMBARI

2/16/79

I	L	M	Q	AFQ	DL	DM	PE	GC	POT	ESP	CUM
AFLUENTE INAMBARI											
134	405.0	4800.0	0.0	0.0							0.00
135	393.0	3650.0	1.9	0.0	12.0	1150.0	9.58	0.98	11.02	0.92	11.02
136	383.0	1980.0	6.3	0.0	10.0	1670.0	16.70	4.11	67.38	6.74	78.39
137	373.0	1836.0	16.9	0.0	10.0	144.0	1.44	11.59	16.38	1.64	94.77
138	356.0	1590.0	26.2	37.1	17.0	246.0	1.45	21.53	51.96	3.06	146.73
139	343.0	1565.0	74.0	0.0	13.0	25.0	0.19	68.65	16.84	1.30	163.57
140	333.0	1420.0	81.0	0.0	10.0	145.0	1.45	77.48	110.21	11.02	273.78
141	323.0	1275.0	87.8	0.0	10.0	145.0	1.45	84.39	120.04	12.00	393.83
142	313.0	985.0	95.7	0.0	10.0	290.0	2.90	91.76	261.06	26.11	654.88
143	303.0	950.0	100.7	0.0	10.0	35.0	0.35	98.24	33.73	3.37	688.61
144	293.0	900.0	119.7	0.0	10.0	50.0	0.50	110.24	54.07	5.41	742.68
145	283.0	850.0	128.3	30.7	10.0	50.0	0.50	124.02	60.83	6.08	803.52
146	271.0	780.0	167.7	0.0	12.0	70.0	0.58	163.35	112.17	9.35	915.64
147	261.0	750.0	176.3	41.5	10.0	30.0	0.30	172.01	50.62	5.06	966.31
148	254.0	730.0	223.2	0.0	7.0	20.0	0.29	220.54	43.27	6.18	1009.58
149	244.0	705.0	240.7	0.0	10.0	25.0	0.25	231.93	56.88	5.69	1066.47
150	234.0	680.0	259.8	0.0	10.0	25.0	0.25	250.22	61.37	6.14	1127.83
151	223.0	655.0	296.8	0.0	11.0	25.0	0.23	278.28	68.25	6.20	1196.08
152	213.0	625.0	304.9	0.0	10.0	30.0	0.30	300.85	88.54	8.85	1284.62
153	203.0	595.0	323.5	0.0	10.0	30.0	0.30	314.17	92.46	9.25	1377.08
154	193.0	565.0	335.2	0.0	10.0	30.0	0.30	329.31	96.92	9.69	1474.99
155	183.0	530.0	342.3	0.0	10.0	35.0	0.35	338.72	116.30	11.63	1590.29
156	173.0	500.0	346.8	53.3	10.0	30.0	0.30	344.56	101.40	10.14	1691.70
157	167.0	475.0	405.3	0.0	6.0	25.0	0.42	402.71	98.77	16.46	1790.46
158	156.0	425.0	415.8	111.6	11.0	50.0	0.45	410.51	201.35	18.30	1991.82
159	145.0	397.0	533.3	0.0	11.0	28.0	0.25	530.31	145.67	13.24	2137.48
160	135.0	385.0	544.4	28.8	10.0	12.0	0.12	538.82	63.43	6.34	2200.91
161	124.0	370.0	581.9	0.0	11.0	15.0	0.14	577.52	84.98	7.73	2285.89
162	114.0	342.0	606.4	251.4	10.0	28.0	0.28	594.12	163.19	16.32	2449.09
163	85.0	309.0	876.2	0.0	29.0	33.0	0.11	866.97	280.66	9.68	2729.75
164	50.0	295.0	899.8	0.0	35.0	14.0	0.04	887.96	121.95	3.48	2851.70
165	25.0	265.0	920.1	0.0	25.0	30.0	0.12	909.92	267.79	10.71	3119.49
166	0.0	240.0	934.3	0.0	25.0	25.0	0.10	927.17	227.39	9.10	3346.88
SUBTOTAL					405.0	4560.0			3346.88	8.26	


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*****
* EL POTENCIAL TEORICO TOTAL DEL RIO ACRE          ES DE    36.1 MW  *
*                                     Y TIENE UNA LONGITUD ACUMULADA DE 170.0 KM *
*                                     Y UN POTENCIAL ESPECIFICO DE    0.21 MW/KM *
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POTENCIAL TEORICO DEL RIO ACRE 2/16/79

I	L	H	Q	AFQ	DL	OH	PE	QC	POT	ESP	CUM
AFLUENTE PALOS											
1	15.0	390.0	0.9	0.0							0.00
2	0.0	379.0	7.5	0.0	15.0	11.0	0.07	4.22	0.46	0.03	0.46
SUBTOTAL					15.0	11.0			0.46	0.03	
AFLUENTE YAVERIA											
3	45.0	396.0	1.5	0.0							0.00
4	0.0	365.0	11.4	0.0	45.0	31.0	0.07	6.48	1.97	0.04	1.97
SUBTOTAL					45.0	31.0			1.97	0.04	
AFLUENTE ACRE											
5	110.0	445.0	2.4	0.0							0.00
6	80.0	423.0	17.5	0.0	30.0	22.0	0.07	9.94	2.15	0.07	2.15
7	50.0	401.0	47.0	0.0	30.0	22.0	0.07	32.23	6.96	0.23	9.10
8	20.0	379.0	74.1	7.5	30.0	22.0	0.07	60.55	13.07	0.44	22.17
9	0.0	365.0	85.9	11.4	20.0	14.0	0.07	83.75	11.50	0.56	33.67
SUBTOTAL					110.0	80.0			33.67	0.31	

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* EL POTENCIAL TEORICO TOTAL DEL RIO YURUA      ES DE  263.9 MW *
*                                               Y TIENE UNA LONGITUD ACUMULADA DE  565.0 KM *
*                                               Y UN POTENCIAL ESPECIFICO DE  0.47 MW/KM *
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POTENCIAL TEORICO DEL RIO YURUA 2/16/79

I	L	H	D	AFG	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE GUINEYACO											
1	25.0	350.0	1.2	0.0							
					25.0	30.0	0.12	3.66	1.08	0.04	0.00
2	0.0	320.0	6.1	0.0							1.08
									1.08	0.04	
					SUBTOTAL		25.0	30.0			
=====											
AFLUENTE SOLORZANO											
3	50.0	335.0	0.3	0.0							0.00
					25.0	35.0	0.14	9.82	3.37	0.13	5.37
4	25.0	300.0	19.3	0.0							5.37
					25.0	22.0	0.09	27.79	6.00	0.24	9.37
5	0.0	278.0	36.2	0.0							9.37
									9.37	0.19	
					SUBTOTAL		50.0	57.0			
=====											
AFLUENTE PAUSILIAGA											
6	25.0	330.0	1.5	0.0							0.00
					25.0	55.0	0.22	4.72	2.55	0.10	2.55
7	0.0	275.0	7.9	0.0							2.55
									2.55	0.10	
					SUBTOTAL		25.0	55.0			
=====											
AFLUENTE SERRANOYACU											
8	28.0	320.0	2.1	0.0							0.00
					28.0	57.0	0.20	6.40	3.58	0.13	3.58
9	0.0	263.0	10.7	0.0							3.58
									3.58	0.13	
					SUBTOTAL		28.0	57.0			
=====											
AFLUENTE SUNGARDYACU											
10	24.0	350.0	0.5	0.0							0.00
					24.0	60.0	0.25	4.50	2.53	0.11	2.53
11	0.0	290.0	8.1	0.0							2.53
									2.53	0.11	
					SUBTOTAL		24.0	60.0			
=====											
AFLUENTE HUACAPISTEA											
12	61.0	350.0	1.8	0.0							0.00
					34.0	60.0	0.18	11.49	6.76	0.20	6.76
13	27.0	290.0	21.2	6.1							6.76
					27.0	30.0	0.11	35.59	10.47	0.39	17.24
14	0.0	260.0	41.9	0.0							17.24
									17.24	0.28	
					SUBTOTAL		61.0	90.0			
=====											
AFLUENTE DORADO											
15	42.0	300.0	1.2	0.0							0.00
					22.0	30.0	0.14	4.54	1.34	0.06	1.34
16	20.0	270.0	7.9	0.0							1.34
					20.0	25.0	0.12	10.47	2.57	0.13	3.90
17	0.0	245.0	13.1	0.0							3.90
									3.90	0.09	
					SUBTOTAL		42.0	55.0			
=====											
AFLUENTE PUCAURCO											
18	56.0	300.0	0.9	0.0							0.00
					26.0	50.0	0.19	7.29	3.58	0.14	3.58
19	30.0	250.0	13.7	0.0							3.58
					30.0	27.0	0.09	22.93	6.07	0.20	9.65
20	0.0	223.0	32.2	0.0							9.65
									9.65	0.17	
					SUBTOTAL		56.0	77.0			
=====											