
 * EL POTENCIAL TEORICO TOTAL DEL RIO UCAYALI ES DE 14203.2 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 4667.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 3.04 MW/KM *

POTENCIAL TEORICO DEL RIO UCAYALI 2/14/79

I	L	H	Q	AFQ	DL	DM	PE	QC	POT	ESP	CUM
=====											
AFLUENTE UNINE											
1	130.0	1000.0	1.2	0.0	40.0	350.0	0.87	9.12	31.32	0.78	0.00
2	90.0	650.0	17.0	0.0	40.0	100.0	0.25	36.56	35.87	0.90	31.32
3	50.0	550.0	56.1	0.0	50.0	280.0	0.56	70.71	194.24	3.88	67.19
4	0.0	270.0	85.4	0.0							261.43
SUBTOTAL					130.0	730.0			261.43	2.01	
=====											
AFLUENTE COTSIGARI											
5	30.0	750.0	2.0	0.0	30.0	482.0	1.61	15.16	71.67	2.39	0.00
6	0.0	268.0	28.4	0.0							71.67
SUBTOTAL					30.0	482.0			71.67	2.39	
=====											
AFLUENTE PUNTIJAO											
7	60.0	359.0	1.8	0.0	30.0	44.0	0.15	13.03	5.62	0.19	0.00
8	30.0	315.0	24.3	0.0	30.0	44.0	0.15	32.04	13.83	0.46	5.62
9	0.0	271.0	39.8	0.0							19.46
SUBTOTAL					60.0	88.0			19.46	0.32	
=====											
AFLUENTE MASHANSHA											
10	101.0	350.0	0.7	0.0	50.0	25.0	0.05	25.79	6.32	0.13	0.00
11	51.0	325.0	50.9	0.0	50.0	54.0	0.11	60.82	32.22	0.64	6.32
12	1.0	271.0	70.8	39.8	1.0	5.0	0.50	110.95	5.44	5.44	38.54
13	0.0	266.0	111.3	0.0							43.98
SUBTOTAL					101.0	84.0			43.98	0.44	
=====											
AFLUENTE TAHUANIA											
14	90.0	340.0	2.2	0.0	40.0	20.0	0.05	13.79	2.71	0.07	0.00
15	50.0	320.0	25.4	0.0	50.0	58.0	0.12	44.09	25.09	0.50	2.71
16	0.0	262.0	62.7	0.0							27.79
SUBTOTAL					90.0	78.0			27.79	0.31	
=====											
AFLUENTE CUMARIO											
17	30.0	300.0	0.4	0.0	30.0	44.0	0.15	11.86	5.12	0.17	0.00
18	0.0	256.0	23.4	0.0							5.12
SUBTOTAL					30.0	44.0			5.12	0.17	
=====											
AFLUENTE IRRUYA											
19	40.0	500.0	0.7	0.0	40.0	244.0	0.61	7.23	17.31	0.43	0.00
20	0.0	256.0	13.7	0.0							17.31
SUBTOTAL					40.0	244.0			17.31	0.43	
=====											

I	L	H	Q	AFQ	DL	DM	PE	GC	POT	ESP	CUM
=====											
AFLUENTE SHARHUANY											
21	45.0	500.0	1.1	0.0							0.00
22	3.0	256.0	8.7	13.7	42.0	244.0	0.58	4.6	11.75	0.28	11.75
23	0.0	253.0	24.5	0.0	3.0	3.0	0.10	23.48	0.69	0.23	12.44
SUBTOTAL					45.0	247.0				0.28	
=====											
AFLUENTE AMIA											
24	20.0	350.0	2.2	0.0							0.00
25	0.0	320.0	14.4	0.0	20.0	30.0	0.15	8.26	2.43	0.12	2.43
SUBTOTAL					20.0	30.0			2.43	0.12	
=====											
AFLUENTE CHABOMYARI											
26	20.0	345.0	0.7	0.0							0.00
27	0.0	315.0	6.1	0.0	20.0	30.0	0.15	3.40	1.00	0.05	1.00
SUBTOTAL					20.0	30.0			1.00	0.05	
=====											
AFLUENTE PARANTARI											
28	20.0	345.0	0.7	0.0							0.00
29	0.0	315.0	7.2	0.0	20.0	30.0	0.15	3.94	1.16	0.06	1.16
SUBTOTAL					20.0	30.0			1.16	0.06	
=====											
AFLUENTE SATAYA											
30	15.0	335.0	0.4	0.0							0.00
31	0.0	314.0	7.5	0.0	15.0	21.0	0.14	3.93	0.81	0.05	0.81
SUBTOTAL					15.0	21.0			0.81	0.05	
=====											
AFLUENTE SHEGHEA											
32	132.0	350.0	3.6	0.0							0.00
33	102.0	320.0	18.3	14.4	30.0	30.0	0.10	10.95	3.22	0.11	3.22
34	62.0	315.0	80.6	6.1	40.0	5.0	0.01	56.64	2.78	0.07	6.00
35	61.0	315.0	89.2	7.2	1.0	0.0	0.00	87.95	0.00	0.00	6.00
36	60.0	314.0	100.3	7.5	1.0	1.0	0.10	98.32	0.96	0.96	6.97
37	50.0	310.0	124.9	0.0	10.0	4.0	0.04	116.35	4.57	0.46	11.53
38	0.0	249.0	151.1	0.0	50.0	61.0	0.12	137.99	82.57	1.65	94.11
SUBTOTAL					132.0	101.0			94.11	0.71	
=====											
AFLUENTE SIIPIRIA											
39	20.0	500.0	0.7	0.0							0.00
40	0.0	242.0	6.5	0.0	20.0	258.0	1.29	3.61	9.15	0.46	9.15
SUBTOTAL					20.0	258.0			9.15	0.46	
=====											
AFLUENTE IPARIA											
41	30.0	470.0	2.2	0.0							0.00
42	0.0	240.0	12.2	0.0	30.0	230.0	0.77	7.19	16.23	0.54	16.23
SUBTOTAL					30.0	230.0			16.23	0.54	
=====											
AFLUENTE TABACAOS											
43	45.0	480.0	2.6	0.0							0.00
44	0.0	236.0	18.7	0.0	45.0	244.0	0.54	10.63	25.44	0.57	25.44
SUBTOTAL					45.0	244.0			25.44	0.57	
=====											
AFLUENTE ABUJAO											
45	80.0	500.0	0.7	0.0							0.00
46	50.0	450.0	35.7	0.0	30.0	50.0	0.17	18.20	8.93	0.30	8.93
47	0.0	222.0	113.8	0.0	50.0	228.0	0.46	74.75	167.18	3.34	176.11
SUBTOTAL					80.0	278.0			176.11	2.20	
=====											
AFLUENTE MASARAY											
48	50.0	480.0	3.7	0.0							0.00
49	0.0	221.0	18.7	0.0	50.0	259.0	0.52	11.19	28.44	0.57	28.44
SUBTOTAL					50.0	259.0			28.44	0.57	
=====											

POTENCIAL TEORICO DEL RIO UCAVALI

2/14/79

I	L	H	Q	AFO	DL	DM	PE	QC	POT	ESP	CUM
=====											
AFLUENTE UTIQUINIA											
50	100.0	500.0		0.0							
					50.0	175.0	0.35	19.51	33.49	0.67	0.00
51	50.0	325.0	3.4	0.0							33.49
					50.0	111.0	0.22	54.15	58.96	1.18	92.45
52	0.0	214.0	71.9	0.0							92.45
					SUBTOTAL	100.0	286.0		92.45	0.92	
=====											
AFLUENTE PUYANA											
53	50.0	470.0	1.5	0.0							0.00
					50.0	50.0	0.10	22.38	10.98	0.22	10.98
54	0.0	420.0	43.3	0.0							10.98
					SUBTOTAL	50.0	50.0		10.98	0.22	
=====											
AFLUENTE CALLARIA											
55	110.0	490.0	1.1	0.0							0.00
					40.0	70.0	0.18	22.37	15.36	0.38	0.00
56	70.0	420.0	43.6	43.3							15.36
					20.0	30.0	0.15	99.01	29.14	1.46	44.50
57	50.0	390.0	111.1	0.0							44.50
					50.0	182.0	0.36	122.34	218.43	4.37	262.93
58	0.0	208.0	133.6	0.0							262.93
					SUBTOTAL	110.0	282.0		262.93	2.39	
=====											
AFLUENTE RUABOILLO											
59	90.0	320.0	2.5	0.0							0.00
					40.0	30.0	0.07	19.39	5.71	0.14	0.00
60	50.0	290.0	36.3	0.0							5.71
					50.0	89.0	0.18	58.68	51.24	1.02	56.94
61	0.0	201.0	81.1	0.0							56.94
					SUBTOTAL	90.0	119.0		56.94	0.63	
=====											
AFLUENTE TAMUALLA											
62	50.0	280.0	0.7	0.0							0.00
					50.0	80.0	0.16	15.16	11.90	0.24	0.00
63	0.0	200.0	29.6	0.0							11.90
					SUBTOTAL	50.0	80.0		11.90	0.24	
=====											
AFLUENTE PISQUI											
64	161.0	1000.0	2.4	0.0							0.00
					60.0	510.0	0.85	35.98	180.01	3.00	0.00
65	101.0	490.0	69.5	0.0							180.01
					50.0	50.0	0.10	105.28	51.64	1.03	231.64
66	51.0	440.0	141.0	0.0							231.64
					50.0	240.0	0.48	177.58	418.09	8.36	649.73
67	1.0	200.0	214.1	29.6							649.73
					1.0	6.0	0.60	245.66	14.46	14.46	664.19
68	0.0	194.0	247.6	0.0							664.19
					SUBTOTAL	161.0	806.0		664.19	4.13	
=====											
AFLUENTE AMANQUIRIA											
69	35.0	210.0	2.1	0.0							0.00
					35.0	18.0	0.05	7.16	1.27	0.04	0.00
70	0.0	192.0	12.2	0.0							1.27
					SUBTOTAL	35.0	18.0		1.27	0.04	
=====											
AFLUENTE PACAYA											
71	25.0	210.0	2.8	0.0							0.00
					25.0	19.0	0.08	7.70	1.43	0.06	0.00
72	0.0	191.0	12.6	0.0							1.43
					SUBTOTAL	25.0	19.0		1.43	0.06	
=====											
AFLUENTE IPACTIA											
73	70.0	650.0	1.1	0.0							0.00
					70.0	462.0	0.66	19.65	89.04	1.27	0.00
74	0.0	188.0	38.2	0.0							89.04
					SUBTOTAL	70.0	462.0		89.04	1.27	
=====											
AFLUENTE CHAMBIRA											
75	80.0	1000.0	1.6	0.0							0.00
					30.0	550.0	1.83	13.74	74.12	2.47	0.00
76	50.0	450.0	25.9	0.0							74.12
					50.0	30.0	0.06	73.37	21.59	0.43	95.71
77	0.0	420.0	120.9	0.0							95.71
					SUBTOTAL	80.0	580.0		95.71	1.20	

POTENCIAL TEORICO DEL RIO UCAYALI

2/14/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE PANYA											
78	120.0	700.0	0.8	0.0							0.00
79	90.0	470.0	35.7	0.0	30.0	230.0	0.77	18.24	41.15	1.37	41.15
80	40.0	420.0	65.9	120.9	50.0	50.0	0.10	50.79	24.91	0.50	66.06
81	0.0	184.0	235.3	0.0	40.0	236.0	0.59	210.99	488.49	12.21	554.54
SUBTOTAL					120.0	516.0			554.54	4.62	
=====											
AFLUENTE SARAYAGUILLO											
82	40.0	1000.0	2.0	0.0							0.00
83	0.0	176.0	21.6	0.0	40.0	824.0	2.06	11.81	95.46	2.39	95.46
SUBTOTAL					40.0	824.0			95.46	2.39	
=====											
AFLUENTE STA. CATALINA											
84	70.0	1000.0	5.2	0.0							0.00
85	50.0	490.0	19.3	0.0	20.0	510.0	2.55	12.29	61.50	3.08	61.50
86	0.0	172.0	54.7	0.0	50.0	318.0	0.64	37.01	115.46	2.31	176.96
SUBTOTAL					70.0	828.0			176.96	2.53	
=====											
AFLUENTE ALFARO											
87	70.0	480.0	1.1	0.0							0.00
88	50.0	450.0	8.4	0.0	20.0	30.0	0.15	4.77	1.40	0.07	1.40
89	0.0	163.0	54.8	0.0	50.0	287.0	0.57	31.63	89.05	1.78	90.45
SUBTOTAL					70.0	317.0			90.45	1.29	
=====											
AFLUENTE YANAYACU											
90	60.0	200.0	3.5	0.0							0.00
91	50.0	170.0	9.1	0.0	10.0	30.0	0.50	6.33	1.86	0.19	1.86
92	0.0	154.0	22.7	0.0	50.0	16.0	0.03	15.94	2.50	0.05	4.36
SUBTOTAL					60.0	46.0			4.36	0.07	
=====											
AFLUENTE PIYUYO											
93	50.0	250.0	2.5	0.0							0.00
94	0.0	210.0	16.9	0.0	50.0	40.0	0.08	9.69	3.80	0.08	4.80
SUBTOTAL					50.0	40.0			3.80	0.08	
=====											
AFLUENTE MAQUIA											
95	170.0	300.0	2.1	0.0							0.00
96	160.0	290.0	13.5	0.0	10.0	10.0	0.10	7.84	0.77	0.08	0.77
97	110.0	245.0	23.4	0.0	50.0	45.0	0.09	18.48	8.16	0.16	8.93
98	60.0	210.0	45.9	16.9	50.0	35.0	0.07	34.66	11.91	0.24	20.83
99	50.0	200.0	69.1	0.0	10.0	10.0	0.10	65.97	6.47	0.65	27.51
100	0.0	153.0	100.2	0.0	50.0	47.0	0.09	84.64	39.03	0.78	66.33
SUBTOTAL					170.0	147.0			66.33	0.39	
=====											
AFLUENTE HUMAYA											
101	50.0	230.0	2.8	0.0							0.00
102	0.0	190.0	24.2	0.0	50.0	40.0	0.08	13.52	5.31	0.11	5.31
SUBTOTAL					50.0	40.0			5.31	0.11	
=====											

POTENCIAL TEORICO DEL RIO UCAYALI

2/14/79

I	L	H	Q	AFO	DL	DH	PE	GG	POT	ESP	CUM
=====											
AFLUENTE GUANACHE											
103	160.0	275.0	5.0	0.0							0.00
					10.0	15.0	0.15	7.96	1.17	0.12	1.17
104	150.0	260.0	11.0	0.0							11.88
					50.0	40.0	0.08	27.30	10.71	0.21	11.88
105	100.0	220.0	43.6	0.0							27.96
					50.0	30.0	0.06	54.63	16.08	0.32	27.96
106	50.0	190.0	65.6	24.2							75.77
					50.0	43.0	0.09	113.34	47.81	0.96	75.77
107	0.0	147.0	136.8	0.0							
					SUBTOTAL	160.0	128.0		75.77	0.47	
=====											
AFLUENTE CAPANAHUA											
108	35.0	190.0	2.1	0.0							0.00
					35.0	47.0	0.13	10.32	4.76	0.14	4.76
109	0.0	143.0	18.5	0.0							
					SUBTOTAL	35.0	47.0		4.76	0.14	
=====											
AFLUENTE PUNGO											
110	90.0	300.0	1.1	0.0							0.00
					40.0	55.0	0.14	25.70	13.87	0.35	13.87
111	50.0	245.0	50.3	0.0							52.13
					50.0	45.0	0.09	86.68	38.27	0.77	52.13
112	0.0	200.0	123.0	0.0							
					SUBTOTAL	90.0	100.0		52.13	0.58	
=====											
AFLUENTE YANAYACU											
113	90.0	250.0	2.1	0.0							0.00
					40.0	50.0	0.12	18.71	9.18	0.23	9.18
114	50.0	200.0	35.3	0.0							26.92
					50.0	35.0	0.07	51.68	17.75	0.35	26.92
115	0.0	165.0	68.1	0.0							
					SUBTOTAL	90.0	85.0		26.92	0.30	
=====											
AFLUENTE BLANCA											
116	160.0	480.0	3.0	0.0							0.00
					10.0	150.0	1.50	6.96	10.24	1.02	10.24
117	150.0	330.0	11.0	0.0							36.57
					50.0	80.0	0.16	33.55	26.33	0.53	36.57
118	100.0	250.0	56.2	0.0							77.27
					50.0	50.0	0.10	82.97	40.70	0.81	77.27
119	50.0	200.0	109.8	0.0							126.95
					50.0	40.0	0.08	126.61	49.68	0.99	126.95
120	0.0	160.0	143.4	0.0							
					SUBTOTAL	160.0	320.0		126.95	0.79	
=====											
AFLUENTE ALEMÁN											
121	100.0	240.0	1.1	0.0							0.00
					50.0	50.0	0.10	9.12	4.47	0.09	4.47
122	50.0	190.0	17.2	0.0							22.76
					50.0	60.0	0.12	31.07	18.29	0.37	22.76
123	0.0	130.0	44.9	0.0							
					SUBTOTAL	100.0	110.0		22.76	0.23	
=====											
AFLUENTE TAPICHE											
124	340.0	500.0	2.2	0.0							0.00
					10.0	140.0	1.40	7.66	10.52	1.05	10.52
125	330.0	360.0	13.1	0.0							29.48
					50.0	30.0	0.06	64.42	18.96	0.38	29.48
126	280.0	330.0	115.7	0.0							107.79
					50.0	50.0	0.10	159.66	78.31	1.57	107.79
127	230.0	280.0	203.6	0.0							230.56
					50.0	50.0	0.10	250.28	122.76	2.46	230.56
128	180.0	230.0	297.0	0.0							321.62
					50.0	30.0	0.06	309.41	91.06	1.82	321.62
129	130.0	200.0	321.9	123.0							343.97
					10.0	5.0	0.05	455.76	22.35	2.24	343.97
130	120.0	195.0	466.6	0.0							487.29
					50.0	30.0	0.06	486.96	143.31	2.87	487.29
131	70.0	165.0	507.3	68.1							515.79
					10.0	5.0	0.05	581.18	28.51	2.65	515.79
132	60.0	160.0	587.0	143.4							739.25
					50.0	30.0	0.06	759.29	223.46	4.47	739.25
133	10.0	130.0	788.1	44.9							796.72
					10.0	7.0	0.07	836.86	57.47	5.75	796.72
134	0.0	123.0	840.6	0.0							
					SUBTOTAL	340.0	377.0		796.72	2.34	
=====											
AFLUENTE TARAHUAYTA											
135	40.0	190.0	1.8	0.0							0.00
					40.0	71.0	0.18	11.77	8.20	0.20	8.20
136	0.0	119.0	21.8	0.0							
					SUBTOTAL	40.0	71.0		8.20	0.20	
=====											

POTENCIAL TEORICO DEL RIO UCAYALI

2/14/79

I	L	H	Q	AFQ	DL	DM	PE	QC	POT	ESP	CUM
=====											
AFLUENTE PARAPOROTO											
137	50.0	180.0	1.8	0.0	50.0	69.0	0.14	12.07	8.17	0.16	0.00
138	0.0	111.0	22.4	0.0							8.17
SUBTOTAL					50.0	69.0			8.17	0.16	
=====											
AFLUENTE UCAYALI											
139	1243.0	272.0	3439.8	0.0	10.0	2.0	0.02	3448.27	67.65	6.77	0.00
140	1233.0	270.0	3456.8	85.4	20.0	2.0	0.01	3551.48	69.68	3.48	67.65
141	1213.0	268.0	3560.8	28.4	10.0	2.0	0.02	3590.26	70.44	7.04	137.34
142	1203.0	266.0	3591.3	111.3	30.0	4.0	0.01	3715.68	145.80	4.86	282.64
143	1173.0	262.0	3728.7	62.7	50.0	6.0	0.01	3812.32	224.39	4.49	353.58
144	1123.0	256.0	3833.2	23.4	20.0	3.0	0.02	3859.34	113.58	5.68	577.97
145	1103.0	253.0	3862.2	24.5	30.0	4.0	0.01	3928.14	154.14	5.14	691.55
146	1073.0	249.0	3969.6	151.1	60.0	7.0	0.01	4167.13	286.16	4.77	845.69
147	1013.0	242.0	4213.6	6.5	10.0	2.0	0.02	4223.97	82.87	8.29	1131.85
148	1003.0	240.0	4227.8	12.2	30.0	4.0	0.01	4249.34	166.74	5.56	1214.72
149	973.0	236.0	4258.7	18.7	50.0	6.0	0.01	4905.49	288.74	5.77	1381.47
150	923.0	230.0	5533.6	0.0	60.0	8.0	0.01	5536.27	434.49	7.24	1670.21
151	863.0	222.0	5538.9	113.8	1.0	1.0	0.10	5665.55	55.58	55.58	2104.69
152	862.0	221.0	5678.4	18.7	60.0	7.0	0.01	5707.93	391.96	6.53	2160.27
153	802.0	214.0	5718.8	71.9	50.0	6.0	0.01	6040.23	355.53	7.11	2552.23
154	752.0	208.0	6211.3	133.6	50.0	7.0	0.01	6445.76	442.63	8.85	2907.76
155	702.0	201.0	6411.1	81.1	50.0	7.0	0.01	6567.70	451.00	9.02	3350.39
156	652.0	194.0	6581.2	247.6	20.0	2.0	0.01	6857.33	134.54	6.73	3801.40
157	632.0	192.0	6880.9	12.1	1.0	1.0	0.10	6893.64	67.63	67.63	3935.94
158	631.0	191.0	6894.2	12.6	30.0	3.0	0.01	6908.73	203.32	6.78	4003.56
159	601.0	188.0	6910.7	38.2	30.0	4.0	0.01	6958.96	273.07	9.10	4110.84
160	571.0	184.0	6969.1	21.1	60.0	8.0	0.01	7225.25	567.04	9.45	4475.29
161	511.0	176.0	7246.2	21.6	30.0	4.0	0.01	7286.52	285.92	9.53	5047.00
162	481.0	172.0	7305.3	54.7	20.0	2.0	0.01	7365.73	144.52	7.23	5332.92
163	461.0	170.0	7371.5	54.8	50.0	7.0	0.01	7441.37	511.00	10.22	5477.43
164	411.0	163.0	7456.4	0.0	20.0	3.0	0.02	7460.43	219.56	10.98	5988.43
165	391.0	160.0	7464.5	22.7	50.0	6.0	0.01	7505.26	441.76	8.54	6208.19
166	341.0	154.0	7523.3	100.0	1.0	1.0	0.10	7127.00	69.92	69.92	6649.11
167	340.0	153.0	6630.5	0.0	50.0	6.0	0.01	6645.75	391.17	7.82	6719.00
168	290.0	147.0	6661.0	136.8	30.0	4.0	0.01	6804.39	267.00	8.90	7110.84
169	260.0	143.0	6810.9	18.5	10.0	1.0	0.01	6832.48	67.03	6.70	7377.84
170	250.0	142.0	6835.5	0.0	50.0	6.0	0.01	6847.55	403.05	8.06	7444.87
171	200.0	136.0	6859.6	0.0	50.0	7.0	0.01	7374.46	506.00	10.13	7847.91
172	150.0	129.0	7889.3	0.0	50.0	6.0	0.01	8021.93	472.17	9.44	8354.32
173	100.0	123.0	8154.6	840.6	30.0	4.0	0.01	9009.29	353.52	11.78	8826.49
174	70.0	119.0	9023.4	21.8	60.0	8.0	0.01	9083.04	712.84	11.80	9180.01
175	10.0	111.0	9120.9	22.4	10.0	1.0	0.01	9153.80	89.80	8.90	9892.65
176	0.0	110.0	9164.3	0.0							9982.64
SUBTOTAL					1243.0	162.0			9982.64	8.03	

 * EL POTENCIAL TEORICO TOTAL DEL RIO PERENE ES DE 6760.0 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 1146.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 5.90 MW/KM *

POTENCIAL TEORICO DEL RIO PERENE 2/14/79

I	L	H	Q	AFQ	DL	DM	PE	QC	POT	ESP	CUM
=====											
AFLUENTE RANYAC											
1	25.0	4200.0	0.2	0.0							0.00
2	0.0	3200.0	2.5	0.0	25.0	1000.0	4.00	1.36	13.33	0.53	13.33
SUBTOTAL					25.0	1000.0			13.33	0.53	
=====											
AFLUENTE HUACHON											
3	49.0	4400.0	0.4	0.0							0.00
4	25.0	3200.0	6.6	2.5	24.0	1200.0	5.00	4.53	53.31	2.22	53.31
5	0.0	2225.0	18.1	0.0	25.0	975.0	3.90	14.63	139.92	5.60	193.23
SUBTOTAL					49.0	2175.0			193.23	3.94	
=====											
AFLUENTE MANTO SU											
6	15.0	3200.0	2.0	0.0							0.00
7	3.0	2000.0	5.0	0.0	12.0	1200.0	10.00	3.48	40.93	3.41	40.93
SUBTOTAL					12.0	1200.0			40.93	3.41	
=====											
AFLUENTE MANTO IN											
7	3.0	2000.0	5.0	0.0							0.00
8	0.0	1800.0	7.4	0.0	3.0	200.0	6.67	6.18	12.13	4.04	12.13
SUBTOTAL					3.0	200.0			12.13	4.04	
=====											
AFLUENTE ENTAS											
9	23.0	2600.0	1.0	0.0							0.00
10	0.0	850.0	9.6	0.0	23.0	1750.0	7.61	5.29	90.86	3.95	90.86
SUBTOTAL					23.0	1750.0			90.86	3.95	
=====											
AFLUENTE COMAS											
11	28.0	4400.0	2.4	0.0							0.00
12	0.0	3100.0	12.3	0.0	28.0	1300.0	4.64	7.36	93.86	3.35	93.86
SUBTOTAL					28.0	1300.0			93.86	3.35	
=====											
AFLUENTE PALLAYA											
13	23.0	4300.0	2.3	0.0							0.00
14	0.0	2800.0	12.6	0.0	23.0	1500.0	6.52	7.45	109.65	4.77	109.65
SUBTOTAL					23.0	1500.0			109.65	4.77	
=====											
AFLUENTE UCHUBAMBA											
15	25.0	4300.0	2.3	0.0							0.00
16	0.0	1400.0	14.2	0.0	25.0	2900.0	11.60	8.26	235.06	9.40	235.06
SUBTOTAL					25.0	2900.0			235.06	9.40	
=====											
AFLUENTE PUCARA											
17	25.0	3400.0	2.2	0.0							0.00
18	0.0	1050.0	7.6	0.0	25.0	2350.0	9.40	4.87	112.34	4.49	112.34
SUBTOTAL					25.0	2350.0			112.34	4.49	
=====											

POTENCIAL TEORICO DEL RIO PERENE

2/14/79

I	L	H	Q	AFG	DL	DH	PE	GC	POT	ESP	CUM
=====											
AFLUENTE CIMAYA											
19	22.0	3200.0	0.9	0.0							0.00
20	0.0	780.0	3.9	0.0	22.0	2420.0	11.00	2.39	56.66	2.58	56.66
SUBTOTAL					22.0	2420.0			56.66	2.58	
=====											
AFLUENTE PALCAMAYO											
21	34.0	4100.0	1.1	0.0							0.00
22	0.0	3100.0	5.7	0.0	34.0	1000.0	2.94	3.37	33.07	0.97	33.07
SUBTOTAL					34.0	1000.0			33.07	0.97	
=====											
AFLUENTE HUASAHUASI											
23	35.0	4100.0	1.3	0.0							0.00
24	0.0	2600.0	6.0	0.0	35.0	1500.0	4.29	3.63	53.48	1.53	53.48
SUBTOTAL					35.0	1500.0			53.48	1.53	
=====											
AFLUENTE CASCAS											
25	24.0	3400.0	0.9	0.0							0.00
26	0.0	850.0	2.5	0.0	24.0	2950.0	12.29	1.73	49.93	2.08	49.93
SUBTOTAL					24.0	2950.0			49.93	2.08	
=====											
AFLUENTE OROBAMBA											
27	82.0	4200.0	2.5	0.0							0.00
28	63.0	3100.0	8.8	0.0	19.0	1100.0	5.79	5.67	61.21	3.22	61.21
29	34.0	1750.0	12.5	0.0	25.0	1350.0	5.40	10.68	141.43	5.66	202.63
30	13.0	850.0	13.5	2.5	25.0	900.0	3.60	13.02	114.98	4.60	317.62
31	0.0	780.0	16.4	0.0	13.0	70.0	0.54	16.23	11.15	0.86	328.77
SUBTOTAL					82.0	3420.0			328.77	4.01	
=====											
AFLUENTE PALCA											
32	84.0	3800.0	0.8	0.0							0.00
33	49.0	3100.0	5.8	5.7	35.0	700.0	2.00	3.32	22.78	0.65	22.78
34	30.0	2600.0	11.5	6.0	19.0	500.0	2.63	13.99	68.63	3.61	91.40
35	5.0	780.0	23.2	16.4	27.0	1820.0	6.74	22.84	407.73	15.10	499.13
36	0.0	777.0	39.8	0.0	3.0	3.0	0.10	39.71	1.17	0.39	500.30
SUBTOTAL					84.0	3023.0			500.30	5.96	
=====											
AFLUENTE CHANCHAMAYO											
37	111.0	4600.0	1.7	0.0							0.00
38	91.0	3100.0	8.6	12.3	20.0	1500.0	7.50	5.14	75.57	3.78	75.57
39	85.0	2800.0	24.3	12.6	6.0	300.0	5.00	24.61	72.41	12.07	147.98
40	56.0	1400.0	61.7	14.2	29.0	1400.0	4.83	51.28	704.25	24.28	852.23
41	37.0	1050.0	85.1	7.6	19.0	350.0	1.84	80.49	276.38	14.55	1128.61
42	22.0	780.0	111.7	3.9	15.0	270.0	1.80	102.19	270.67	18.04	1399.29
43	20.0	777.0	116.5	39.8	2.0	3.0	0.15	116.07	3.42	1.71	1402.70
44	0.0	750.0	163.3	0.0	20.0	27.0	0.13	159.77	42.32	2.12	1445.02
SUBTOTAL					111.0	3850.0			1445.02	13.02	
=====											
AFLUENTE ARTURO											
45	25.0	2000.0	1.7	0.0							0.00
46	0.0	400.0	17.1	0.0	25.0	1600.0	6.40	9.41	147.70	5.91	147.70
SUBTOTAL					25.0	1600.0			147.70	5.91	
=====											
AFLUENTE LA TORRE											
47	25.0	1850.0	2.1	0.0							0.00
48	0.0	390.0	12.5	0.0	25.0	1460.0	5.84	7.33	105.03	4.20	105.03
SUBTOTAL					25.0	1460.0			105.03	4.20	

 * EL POTENCIAL TEORICO TOTAL DEL RIO AMAZONAS ES DE 5795.3 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 3066.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 1.89 MW/KM *

POTENCIAL TEORICO DEL RIO AMAZONAS 2/14/79

L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM	
=====											
AFLUENTE TAHUYO											
1	80.0	113.0	1.4	0.0						0.00	
2	50.0	111.0	29.6	0.0	30.0	2.0	0.01	15.51	0.30	0.30	
3	0.0	109.0	73.8	0.0	50.0	2.0	0.00	51.71	1.01	0.31	
SUBTOTAL					80.0	4.0			1.32	0.02	
=====											
AFLUENTE TANSUYACU											
4	85.0	111.0	0.3	0.0						0.00	
5	50.0	109.0	11.6	0.0	35.0	2.0	0.01	5.92	0.12	0.12	
6	0.0	108.0	25.1	0.0	50.0	1.0	0.00	18.33	0.18	0.30	
SUBTOTAL					85.0	3.0			0.30	0.00	
=====											
AFLUENTE ITAYA											
7	105.0	111.0	1.6	0.0						0.00	
8	110.0	109.0	60.3	0.0	25.0	2.0	0.01	30.95	0.02	0.00	
9	50.0	107.0	96.4	0.0	60.0	2.0	0.00	78.35	1.54	0.61	
10	0.0	106.0	118.4	0.0	50.0	1.0	0.00	107.37	1.05	2.14	
SUBTOTAL					135.0	5.0			3.20	0.02	3.20
=====											
AFLUENTE RESISTENCIA											
11	60.0	113.0	1.1	0.0						0.00	
12	0.0	110.0	46.9	0.0	60.0	3.0	0.00	24.00	0.71	0.01	
SUBTOTAL					60.0	3.0			0.71	0.01	0.71
=====											
AFLUENTE CHANBRIA											
13	140.0	113.0	5.0	0.0						0.00	
14	100.0	110.0	47.0	0.0	40.0	3.0	0.01	26.00	0.77	0.02	
15	50.0	108.0	103.9	0.0	50.0	2.0	0.00	75.42	1.48	0.03	
16	0.0	107.0	149.1	0.0	50.0	1.0	0.00	126.48	1.24	0.02	
SUBTOTAL					140.0	6.0			3.49	0.02	3.49
=====											
AFLUENTE PUNTAYACU											
17	178.0	113.0	4.6	0.0						0.00	
18	150.0	110.0	15.9	0.0	28.0	3.0	0.01	10.24	0.30	0.01	
19	100.0	108.0	18.9	0.0	50.0	2.0	0.00	17.41	0.34	0.01	
20	50.0	107.0	59.2	149.1	50.0	1.0	0.00	39.06	0.38	0.01	
21	0.0	106.0	240.2	0.0	50.0	1.0	0.00	224.23	2.20	0.04	
SUBTOTAL					178.0	7.0			3.23	0.02	3.23
=====											

POTENCIAL TEORICO DEL RIO AMAZONAS

2/14/79

I	L	H	Q	AFR	DL	DH	PE	QC	POT	ESP	CUM
=====											
AFLUENTE MOMON											
22	50.0	109.0		0.0							
					50.0	3.0	0.01	18.56	0.55	0.01	0.00
23	0.0	106.0		0.0							0.55
									0.55	0.01	
					SUBTOTAL	50.0	3.0				
=====											
AFLUENTE NANAY											
24	310.0	114.0	1.2	0.0							0.00
					20.0	2.0	0.01	5.87	0.12	0.01	0.12
25	290.0	112.0	10.5	0.0							0.12
					50.0	2.0	0.00	20.86	0.41	0.01	0.52
26	240.0	110.0	31.2	46.9							0.52
					60.0	1.0	0.00	103.84	1.02	0.02	1.54
27	180.0	109.0	129.6	0.0							1.54
					50.0	1.0	0.00	155.89	1.53	0.03	3.07
28	130.0	108.0	182.1	0.0							3.07
					100.0	2.0	0.00	208.05	4.08	0.04	7.15
29	30.0	106.0	234.0	240.2							7.15
					20.0	0.0	0.00	499.83	0.00	0.00	7.15
30	10.0	106.0	525.5	34.3							7.15
					10.0	1.0	0.01	564.57	5.54	0.55	12.69
31	0.0	105.0	569.3	0.0							12.69
									12.69	0.04	
					SUBTOTAL	310.0	9.0				
=====											
AFLUENTE MANITI											
32	90.0	110.0	2.3	0.0							0.00
					40.0	3.0	0.01	18.13	0.53	0.01	0.00
33	50.0	107.0	34.0	0.0							0.53
					50.0	2.0	0.00	43.46	0.85	0.02	1.39
34	0.0	105.0	52.9	0.0							1.39
									1.39	0.02	
					SUBTOTAL	90.0	5.0				
=====											
AFLUENTE YANAYACUDEOR											
35	50.0	107.0	1.4	0.0							0.00
					50.0	3.0	0.01	13.71	0.40	0.01	0.00
36	0.0	104.0	26.1	0.0							0.40
									0.40	0.01	
					SUBTOTAL	50.0	3.0				
=====											
AFLUENTE JANGOSA											
37	58.0	105.0	0.5	0.0							0.00
					58.0	2.0	0.00	20.98	0.41	0.01	0.00
38	0.0	103.0	41.4	0.0							0.41
									0.41	0.01	
					SUBTOTAL	58.0	2.0				
=====											
AFLUENTE ORUSA											
39	95.0	107.0	1.1	0.0							0.00
					45.0	2.0	0.00	26.58	0.52	0.01	0.00
40	50.0	105.0	52.0	0.0							0.52
					50.0	3.0	0.01	71.79	2.11	0.04	2.63
41	0.0	102.0	91.6	0.0							2.63
									2.63	0.03	
					SUBTOTAL	95.0	5.0				
=====											
AFLUENTE ARAYACU											
42	50.0	105.0	4.5	0.0							0.00
					50.0	3.0	0.01	18.55	0.55	0.01	0.00
43	0.0	102.0	32.6	0.0							0.55
									0.55	0.01	
					SUBTOTAL	50.0	3.0				
=====											
AFLUENTE MUTAHUAYO											
44	80.0	107.0	0.9	0.0							0.00
					30.0	3.0	0.01	7.73	0.23	0.01	0.00
45	50.0	104.0	14.5	0.0							0.23
					50.0	2.0	0.00	24.29	0.48	0.01	0.70
46	0.0	102.0	34.0	0.0							0.70
									0.70	0.01	
					SUBTOTAL	80.0	5.0				
=====											
AFLUENTE PALOMETA											
47	50.0	104.0	1.4	0.0							0.00
					50.0	3.0	0.01	10.63	0.31	0.01	0.00
48	0.0	101.0	19.9	0.0							0.31
									0.31	0.01	
					SUBTOTAL	50.0	3.0				
=====											
AFLUENTE AMPIYACU											
49	140.0	108.0	1.1	0.0							0.00
					40.0	2.0	0.00	19.15	0.38	0.01	0.00
50	100.0	106.0	37.2	0.0							0.38
					50.0	2.0	0.00	78.25	1.54	0.03	1.91
51	50.0	104.0	119.3	0.0							1.91
					50.0	4.0	0.01	144.68	5.68	0.11	7.59
52	0.0	100.0	170.0	0.0							7.59
									7.59	0.05	
					SUBTOTAL	140.0	8.0				
=====											

POTENCIAL TEORICO DEL RIO AMAZONAS

2/14/79

I	L	H	Q	AFQ	DL	DH	PE	OC	POT	ESP	CUM
=====											
AFLUENTE SHISHITA											
53	48.0	103.0	2.0	0.0							0.00
54	0.0	100.0	53.1	0.0	48.0	3.0	0.01	27.54	0.81	0.02	0.81
SUBTOTAL					48.0	3.0			0.81	0.02	
=====											
AFLUENTE YANAYACUDEBR											
55	40.0	101.0	2.3	0.0							0.00
56	0.0	99.0	24.9	0.0	40.0	2.0	0.00	13.59	0.27	0.01	0.27
SUBTOTAL					40.0	2.0			0.27	0.01	
=====											
AFLUENTE PICHANA											
57	79.0	103.0	1.1	0.0							0.00
58	50.0	101.0	25.1	0.0	79.0	2.0	0.01	13.11	0.26	0.01	0.26
59	0.0	99.0	48.7	0.0	50.0	2.0	0.00	36.89	0.72	0.01	0.98
SUBTOTAL					79.0	4.0			0.98	0.01	
=====											
AFLUENTE COCHQUINAS											
60	49.0	101.0	0.8	0.0							0.00
61	0.0	98.0	18.2	0.0	49.0	3.0	0.01	9.51	0.28	0.01	0.28
SUBTOTAL					49.0	3.0			0.28	0.01	
=====											
AFLUENTE PERUATE											
62	39.0	99.0	0.7	0.0							0.00
63	0.0	97.0	19.0	0.0	39.0	2.0	0.01	9.83	0.19	0.00	0.19
SUBTOTAL					39.0	2.0			0.19	0.00	
=====											
AFLUENTE STA ROSA											
64	45.0	99.0	3.7	0.0							0.00
65	0.0	96.0	35.6	0.0	45.0	3.0	0.01	19.61	0.58	0.01	0.58
SUBTOTAL					45.0	3.0			0.58	0.01	
=====											
AFLUENTE LAJOCUMAL											
66	58.0	97.0	0.7	0.0							0.00
67	0.0	95.0	36.0	0.0	58.0	2.0	0.00	18.36	0.36	0.01	0.36
SUBTOTAL					58.0	2.0			0.36	0.01	
=====											
AFLUENTE SIMONA											
68	29.0	97.0	1.1	0.0							0.00
69	0.0	94.0	21.1	0.0	29.0	3.0	0.01	11.08	0.33	0.01	0.33
SUBTOTAL					29.0	3.0			0.33	0.01	
=====											
AFLUENTE MAYORUNA											
70	52.0	96.0	0.7	0.0							0.00
71	15.0	94.0	36.9	21.1	52.0	2.0	0.01	18.80	0.57	0.01	0.37
72	0.0	94.0	62.5	0.0	15.0	0.0	0.00	60.24	0.00	0.00	0.37
SUBTOTAL					52.0	2.0			0.37	0.01	
=====											
AFLUENTE PASHIA											
73	57.0	97.0	0.5	0.0							0.00
74	0.0	94.0	40.4	0.0	57.0	3.0	0.01	20.45	0.60	0.01	0.60
SUBTOTAL					57.0	3.0			0.60	0.01	
=====											
AFLUENTE ATACUARI											
75	108.0	98.0	1.3	0.0							0.00
76	60.0	96.0	24.7	0.0	108.0	2.0	0.00	13.02	0.26	0.01	0.26
77	10.0	94.0	54.1	40.4	60.0	2.0	0.00	39.42	0.77	0.02	1.03
78	0.0	93.0	120.6	0.0	10.0	1.0	0.01	107.59	1.06	0.11	2.08
SUBTOTAL					108.0	5.0			2.08	0.02	
=====											
AFLUENTE BAYAHUAZU											
79	50.0	94.0	1.1	0.0							0.00
80	0.0	92.0	14.9	0.0	50.0	2.0	0.00	7.99	0.16	0.00	0.16
SUBTOTAL					50.0	2.0			0.16	0.00	
=====											

POTENCIAL TECNICO DEL RIO AMAZONAS

2/14/79

I	L	M	Q	AFD	DL	DH	PE	UC	POT	ESP	CUM
=====											
AFLUENTE LORETOYACU											
81	50.0	92.0	0.7	0.0							0.00
82	0.0	91.0	38.2	0.0	50.0	1.0	0.00	19.43	0.19	0.00	0.19
SUBTOTAL					50.0	1.0			0.19	0.00	
=====											
AFLUENTE ANACAYACU											
83	68.0	93.0	0.4	0.0							0.00
84	0.0	91.0	23.8	0.0	68.0	2.0	0.00	12.15	0.24	0.00	0.24
SUBTOTAL					68.0	2.0			0.24	0.00	
=====											
AFLUENTE CAMELA											
85	85.0	93.0	0.4	0.0							0.00
86	50.0	92.0	31.4	0.0	35.0	1.0	0.00	15.89	0.16	0.00	0.16
87	0.0	90.0	63.1	0.0	50.0	2.0	0.00	47.22	0.93	0.02	1.00
SUBTOTAL					85.0	3.0			1.08	0.01	
=====											
AFLUENTE AMAZONAS											
88	560.0	111.0	20575.0	0.0							0.00
89	490.0	109.0	20680.6	73.8	70.0	2.0	0.00	20627.79	400.72	5.78	404.72
90	475.0	108.0	20775.4	25.1	15.0	1.0	0.01	20764.89	203.70	13.56	608.44
91	445.0	106.0	20832.7	118.4	30.0	2.0	0.01	20816.59	408.42	13.61	1016.84
92	435.0	105.0	20957.9	569.3	10.0	1.0	0.01	20954.49	205.56	20.56	1222.41
93	395.0	105.0	26127.8	52.9	40.0	0.0	0.00	23827.54	0.00	0.00	1222.41
94	355.0	104.0	26255.1	26.1	40.0	1.0	0.00	26217.94	257.20	6.43	1479.60
95	320.0	103.0	26320.7	41.4	35.0	1.0	0.00	26300.48	258.61	7.37	1737.62
96	300.0	102.0	26373.6	91.6	20.0	1.0	0.00	26367.90	258.67	12.93	1996.29
97	298.0	102.0	26506.8	32.6	2.0	0.0	0.00	26486.00	0.00	0.00	1996.29
98	293.0	101.0	26543.4	34.0	5.0	1.0	0.00	26541.40	260.37	52.07	2256.66
99	286.0	101.0	26592.4	19.9	5.0	0.0	0.00	26584.93	0.00	0.00	2256.66
100	278.0	100.0	26617.7	170.0	10.0	1.0	0.01	26614.99	261.09	26.11	2517.75
101	270.0	100.0	26830.5	53.1	0.0	0.0	0.00	26809.12	0.00	0.00	2517.75
102	260.0	99.0	26890.4	24.9	10.0	1.0	0.01	26887.01	263.76	26.38	2781.51
103	250.0	99.0	26949.2	48.7	10.0	0.0	0.00	26932.24	0.00	0.00	2781.51
104	230.0	98.0	27026.7	18.2	20.0	1.0	0.00	27012.31	264.99	13.25	3046.50
105	220.0	97.0	27060.1	19.0	10.0	1.0	0.01	27052.50	265.39	26.54	3311.89
106	210.0	96.0	27104.8	35.6	10.0	1.0	0.01	27091.93	265.77	26.58	3577.86
107	200.0	95.0	27162.8	36.0	10.0	1.0	0.01	27151.59	266.36	26.64	3844.02
108	170.0	94.0	27213.9	62.5	30.0	1.0	0.00	27206.38	266.89	8.90	4110.91
109	120.0	93.0	27326.5	120.6	50.0	1.0	0.00	27301.47	267.85	5.36	4378.74
110	105.0	92.0	27458.5	14.9	15.0	1.0	0.01	27452.82	269.31	17.95	4648.05
111	90.0	91.0	27509.3	38.2	15.0	1.0	0.01	27491.35	269.69	17.98	4917.74
112	80.0	90.0	27564.3	23.8	10.0	1.0	0.01	27555.90	270.32	27.03	5188.07
113	35.0	89.0	27617.8	63.1	45.0	1.0	0.00	27602.98	270.79	6.02	5458.85
114	0.0	88.0	31130.4	0.0	35.0	1.0	0.00	29405.63	288.47	8.24	5747.32
SUBTOTAL					560.0	23.0			5747.32	10.26	
=====											

 * EL POTENCIAL TEORICO TOTAL DEL RIO NAPO ES DE 3142.4 MW *
 * Y TIENE UNA LONGITUD ACUMULADA DE 2918.0 KM *
 * Y UN POTENCIAL ESPECIFICO DE 1.08 MW/KM *

POTENCIAL TEORICO DEL RIO NAPO 2/14/79

I	L	H	Q	AFQ	DL	DH	PE	QC	POT	ESP	CUM
AFLUENTE LAGARTOCOCHA											
1	80.0	215.0	5.1	0.0	40.0	9.0	0.02	5.93	0.52	0.01	0.00
2	40.0	206.0	6.8	0.0	40.0	9.0	0.02	18.35	1.62	0.04	0.52
3	0.0	197.0	29.9	0.0							2.14
SUBTOTAL					80.0	18.0			2.14	0.03	
AFLUENTE ACUARIO											
4	32.0	188.0	485.0	29.9	32.0	9.0	0.03	526.53	46.49	1.45	0.00
5	0.0	179.0	538.2	0.0							46.49
SUBTOTAL					32.0	9.0			46.49	1.45	
AFLUENTE SANTA MARIA											
6	48.0	180.0	4.6	0.0	48.0	9.0	0.02	21.41	1.89	0.04	0.00
7	0.0	171.0	38.3	0.0							1.89
SUBTOTAL					48.0	9.0			1.89	0.04	
AFLUENTE ANSHIRI											
8	68.0	178.0	4.3	0.0	68.0	9.0	0.01	65.05	5.74	0.08	0.00
9	0.0	169.0	8	0.0							5.74
SUBTOTAL					68.0	9.0			5.74	0.08	
AFLUENTE LORO CAPARIN											
10	45.0	174.0	3.3	0.0	45.0	9.0	0.02	13.83	1.22	0.03	0.00
11	0.0	165.0	24.4	0.0							1.22
SUBTOTAL					45.0	9.0			1.22	0.03	
AFLUENTE UNO											
12	72.0	170.0	3.7	0.0	72.0	9.0	0.01	19.84	1.75	0.02	0.00
13	0.0	161.0	36.0	0.0							1.75
SUBTOTAL					72.0	9.0			1.75	0.02	
AFLUENTE TARAPOTO											
14	40.0	166.0	1.0	0.0	40.0	9.0	0.02	18.13	1.60	0.04	0.00
	0.0	157.0	35.2	0.0							1.60
SUBTOTAL					40.0	9.0			1.60	0.04	
AFLUENTE NASHINO											
16	80.0	219.0	90.0	0.0	30.0	7.0	0.02	101.87	7.00	0.23	0.00
17	50.0	212.0	113.7	0.0	50.0	7.0	0.01	134.30	9.22	0.18	7.00
18	0.0	205.0	154.9	0.0							16.22
SUBTOTAL					80.0	14.0			16.22	0.20	
AFLUENTE ALEMAN											
19	53.0	205.0	1.4	0.0	53.0	7.0	0.01	25.15	1.73	0.03	0.00
20	0.0	198.0	48.9	0.0							1.73
SUBTOTAL					53.0	7.0			1.73	0.03	
AFLUENTE ARAVELA											
21	125.0	212.0	0.9	0.0	25.0	7.0	0.03	13.48	0.93	0.04	0.00
22	100.0	205.0	26.1	0.0	50.0	7.0	0.01	55.74	3.83	0.08	0.93
23	50.0	198.0	85.4	0.0	50.0	7.0	0.01	105.50	7.25	0.14	4.75
24	0.0	191.0	125.6	0.0							12.00
SUBTOTAL					125.0	21.0			12.00	0.10	