

VOLUMEN II ANEXOS

ANEXO 3: Resultados de las campañas Topográficas

ELABORACIÓN DE ESTUDIOS
AMBIENTALES Y TÉCNICOS
PARA LA REGULACIÓN Y
APROVECHAMIENTO MÚLTIPLE
DE LA CUENCA PARAGUAYA DEL RÍO
PILCOMAYO



CONSORCIO GESTIÓN Y MONITOREO AMBIENTAL

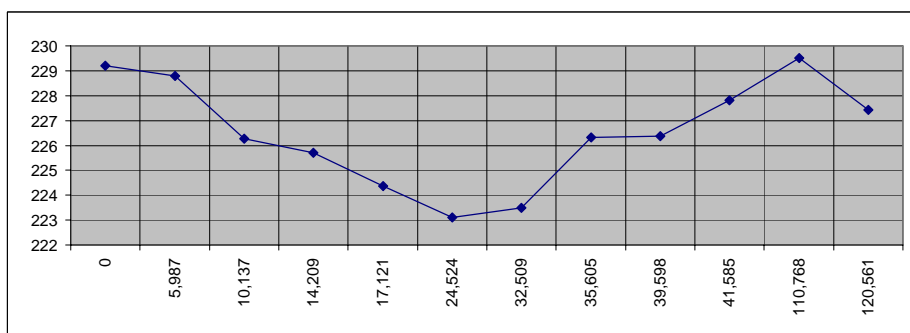
ANEXO 3.1: Secciones Transversales



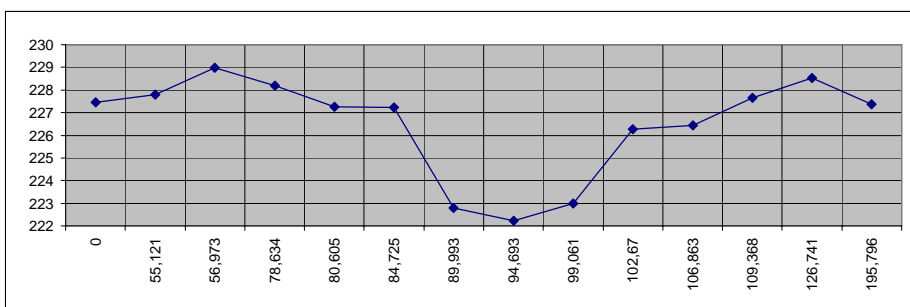
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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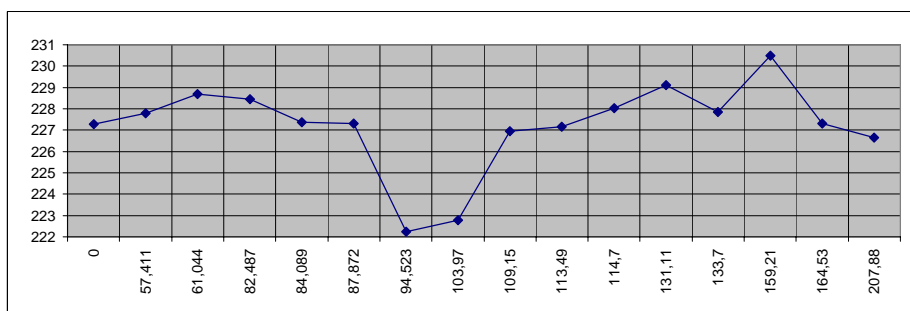
S1 - Prog. 0+000	
0	229,194
5,987	228,792
10,137	226,279
14,209	225,698
17,121	224,354
24,524	223,111
32,509	223,485
35,605	226,324
39,598	226,362
41,585	227,821
110,768	229,507
120,561	227,438



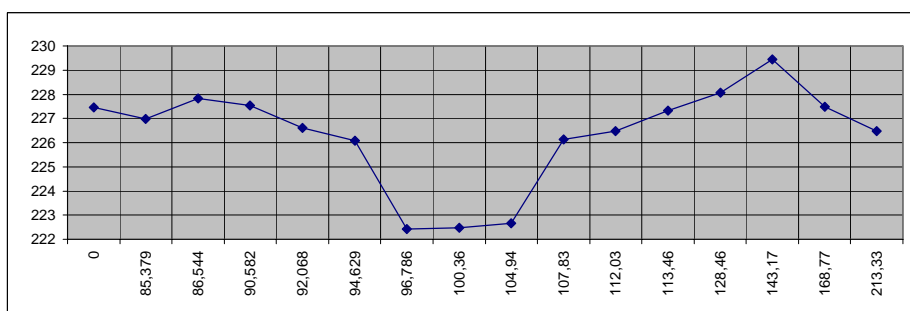
Prog. 0+250	
0	227,445
55,121	227,791
56,973	228,987
78,634	228,177
80,605	227,257
84,725	227,225
89,993	222,795
94,693	222,218
99,061	222,98
102,67	226,268
106,863	226,445
109,368	227,64
126,741	228,538
195,796	227,382



S2 - Prog. 0+500	
0	227,287
57,411	227,795
61,044	228,689
82,487	228,454
84,089	227,368
87,872	227,297
94,523	222,251
103,972	222,785
109,149	226,962
113,488	227,152
114,698	228,016
131,112	229,106
133,698	227,863
159,213	230,48
164,531	227,306
207,88	226,662



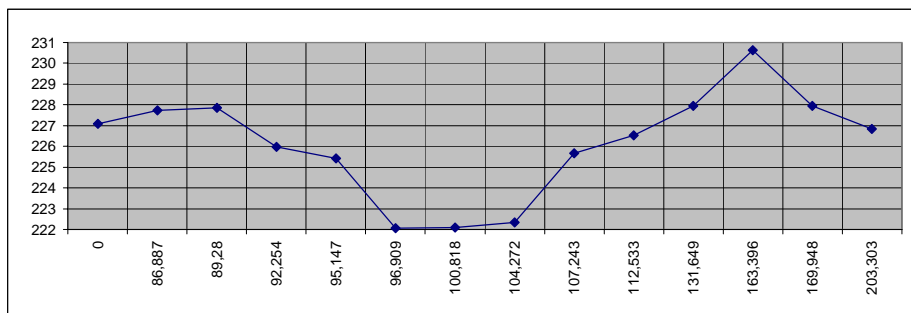
Prog. 0+750	
0	227,446
85,379	226,989
86,544	227,834
90,582	227,524
92,068	226,597
94,629	226,086
96,786	222,429
100,357	222,49
104,938	222,668
107,826	226,132
112,026	226,483
113,462	227,318
128,463	228,054
143,173	229,44
168,765	227,476
213,328	226,473



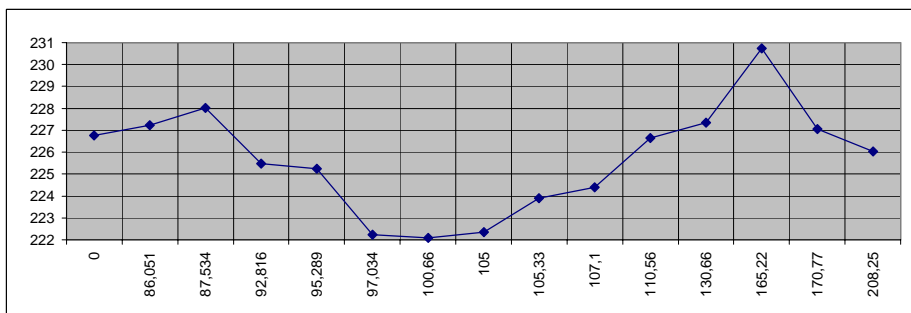
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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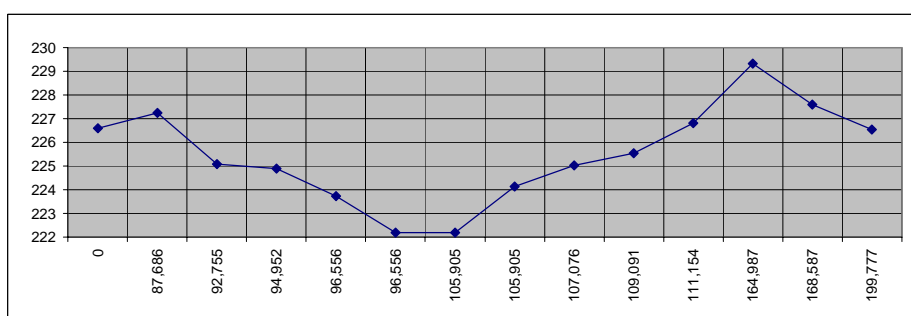
S3 - Prog. 1+000	
0	227,083
86,887	227,72
89,28	227,853
92,254	225,969
95,147	225,43
96,909	222,059
100,818	222,085
104,272	222,34
107,243	225,673
112,533	226,542
131,649	227,952
163,396	230,62
169,948	227,941
203,303	226,831



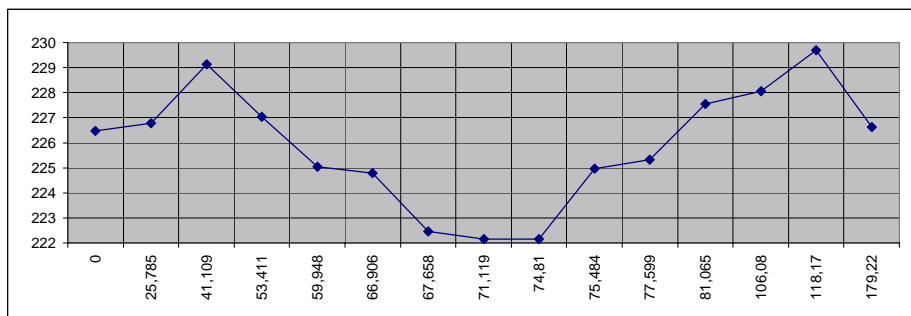
Prog. 1+250	
0	226,77
86,051	227,235
87,534	228,025
92,816	225,463
95,289	225,231
97,034	222,225
100,655	222,076
104,997	222,345
105,334	223,887
107,097	224,392
110,555	226,637
130,659	227,337
165,22	230,724
170,771	227,061
208,245	226,024



S4 - Prog. 1+500	
0	226,602
87,686	227,248
92,755	225,088
94,952	224,902
96,556	223,72
96,556	222,177
105,905	222,177
105,905	224,136
107,076	225,037
109,091	225,541
111,154	226,821
164,987	229,314
168,587	227,604
199,777	226,553



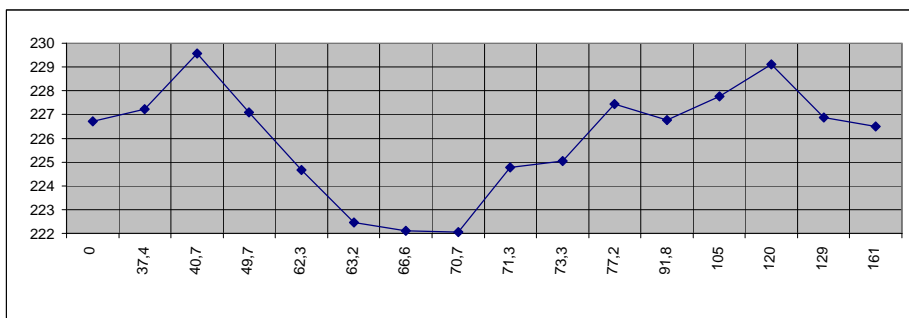
Prog. 1+750	
0	226,465
25,785	226,783
41,109	229,138
53,411	227,033
59,948	225,042
66,906	224,785
67,658	222,449
71,119	222,148
74,81	222,141
75,484	224,969
77,599	225,315
81,065	227,552
106,075	228,061
118,174	229,705
179,218	226,618



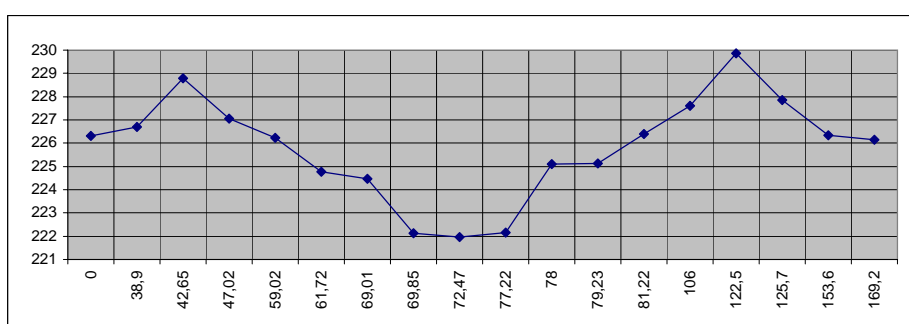
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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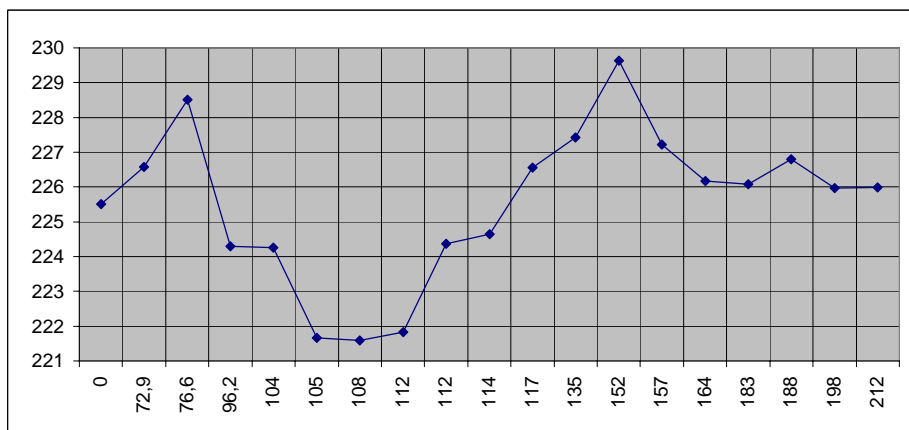
S5 - Prog. 2+000	
0	226,725
37,397	227,221
40,671	229,563
49,691	227,091
62,278	224,659
63,208	222,454
66,614	222,121
70,679	222,042
71,331	224,779
73,329	225,036
77,176	227,434
91,806	226,763
104,523	227,753
119,792	229,112
129,229	226,869
160,774	226,503



Prog. 2+250	
0	226,313
38,901	226,698
42,65	228,784
47,016	227,044
59,019	226,232
61,72	224,766
69,011	224,472
69,85	222,135
72,47	221,962
77,219	222,146
78,003	225,09
79,23	225,129
81,223	226,396
106	227,595
122,541	229,871
125,659	227,856
153,608	226,328
169,222	226,135



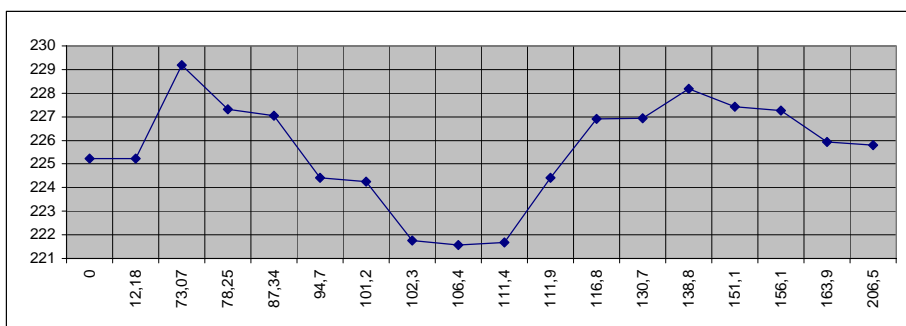
S6 - Prog. 2+500	
0	225,51
72,92	226,577
76,56	228,513
96,151	224,291
103,704	224,264
104,755	221,66
107,516	221,588
111,919	221,823
112,497	224,364
114,379	224,652
117,046	226,562
135,117	227,426
152,383	229,629
156,836	227,212
164,253	226,18
182,702	226,078
188,272	226,793
198,296	225,973
212,22	225,994



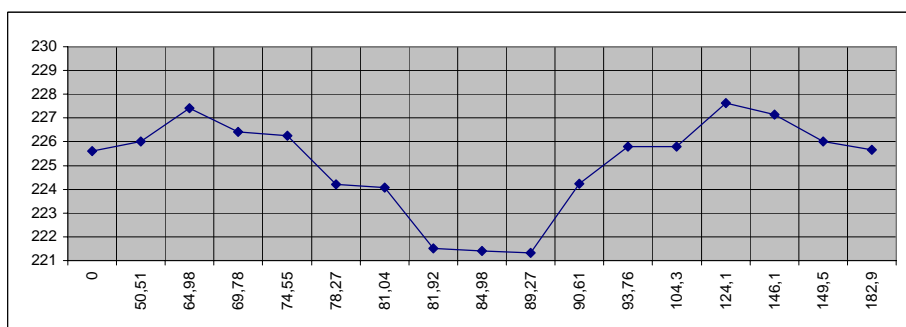
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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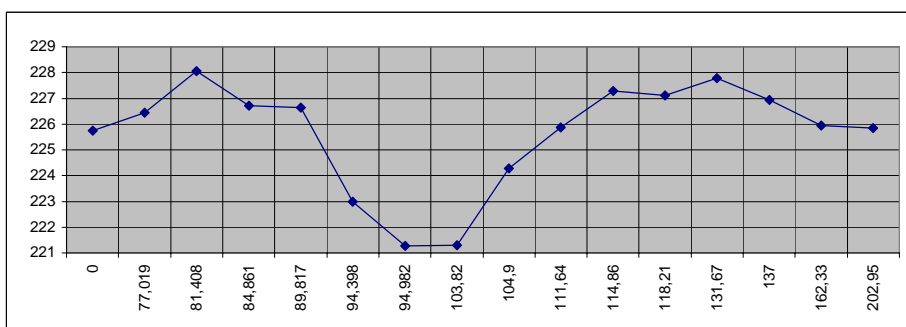
Prog. 2+750	
0	225,227
12,175	225,22
73,071	229,175
78,25	227,309
87,337	227,043
94,696	224,409
101,222	224,264
102,298	221,748
106,369	221,56
111,391	221,667
111,939	224,403
116,758	226,912
130,68	226,937
138,764	228,196
151,113	227,434
156,055	227,271
163,862	225,922
206,496	225,809



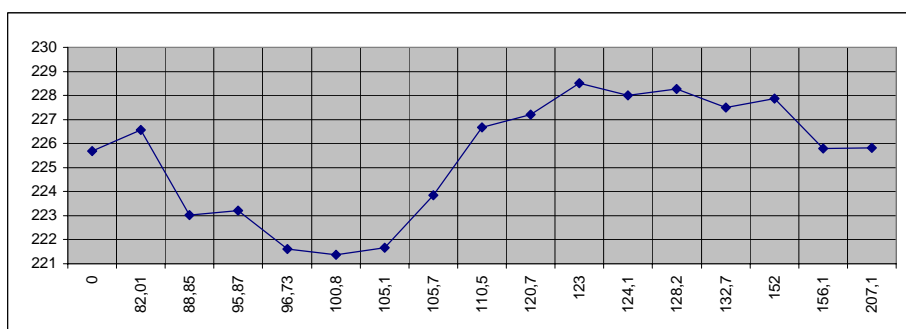
S7 - Prog. 3+000	
0	225,616
50,514	226,02
64,98	227,403
69,784	226,42
74,546	226,242
78,267	224,204
81,035	224,062
81,922	221,502
84,98	221,403
89,273	221,336
90,608	224,247
93,759	225,806
104,293	225,807
124,142	227,639
146,072	227,154
149,501	226,016
182,945	225,666



Prog. 3+250	
0	225,738
77,019	226,447
81,408	228,047
84,861	226,726
89,817	226,628
94,398	222,99
94,982	221,268
103,816	221,29
104,898	224,281
111,642	225,862
114,858	227,298
118,212	227,115
131,671	227,785
137	226,945
162,326	225,938
202,954	225,835



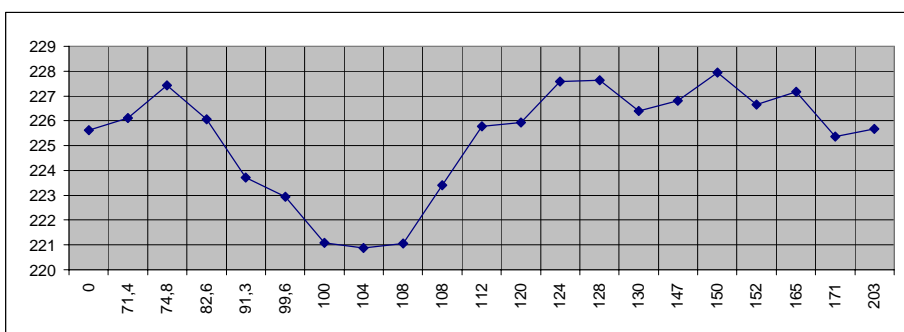
S8 - Prog. 3+500	
0	225,678
82,013	226,578
88,85	223,03
95,873	223,206
96,73	221,624
100,812	221,376
105,098	221,677
105,746	223,853
110,501	226,678
120,681	227,197
123,038	228,509
124,149	227,994
128,174	228,274
132,726	227,484
151,955	227,862
156,132	225,803
207,077	225,832



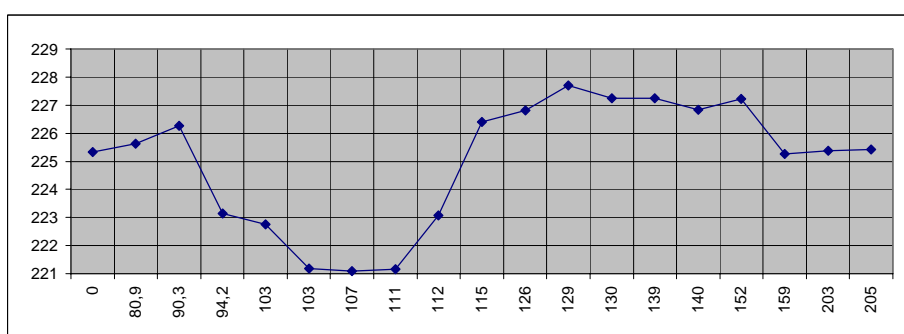
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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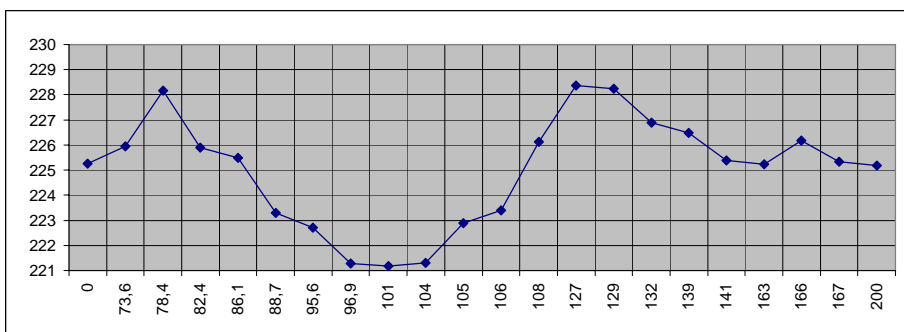
Prog. 3+750	
0	225,612
71,383	226,115
74,795	227,426
82,576	226,061
91,322	223,721
99,555	222,951
100,061	221,084
104,351	220,875
107,853	221,059
108,391	223,401
112,125	225,779
119,708	225,928
124,219	227,575
127,513	227,632
129,921	226,393
146,512	226,813
149,659	227,955
151,911	226,661
164,932	227,168
170,72	225,363
202,502	225,672



S9 - Prog. 4+000	
0	225,336
80,861	225,626
90,305	226,276
94,154	223,144
102,963	222,748
103,205	221,187
107,457	221,086
111,497	221,158
111,85	223,073
115,462	226,391
126,378	226,803
128,718	227,693
129,736	227,235
138,648	227,244
140,025	226,845
152,415	227,229
159,19	225,273
203,107	225,365
205,45	225,419



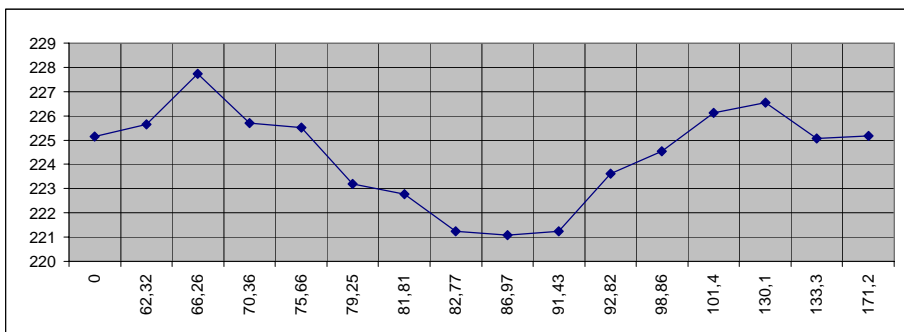
Prog. 4+250	
0	225,247
73,566	225,937
78,441	228,167
82,433	225,897
86,138	225,477
88,697	223,305
95,563	222,708
96,93	221,268
100,712	221,169
104,4	221,299
104,541	222,877
106,323	223,408
108,051	226,137
126,736	228,367
128,956	228,247
132,039	226,887
139,439	226,487
141,296	225,397
162,703	225,237
165,611	226,167
166,859	225,337
199,76	225,177



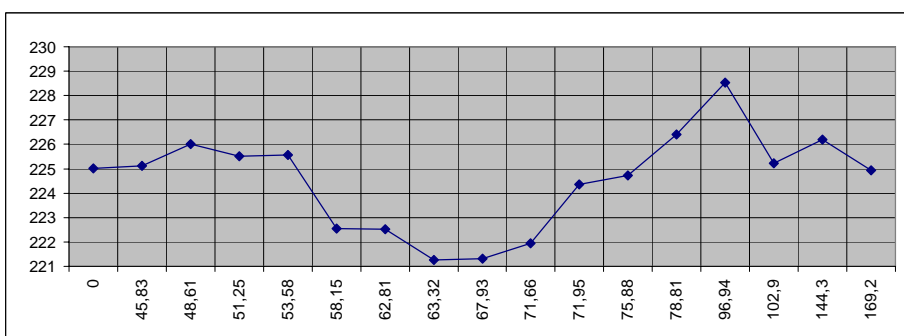
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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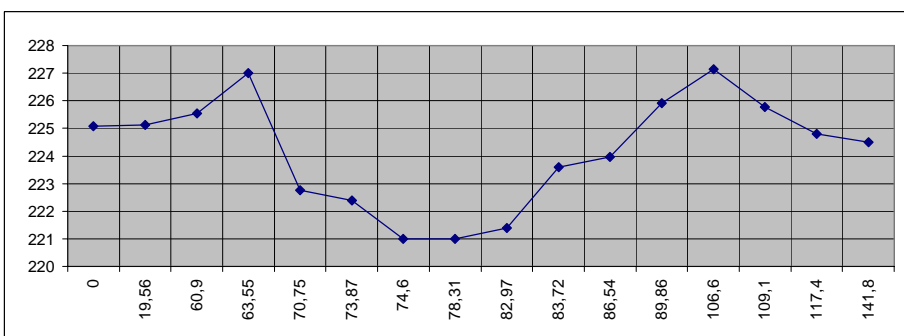
S10 - Prog. 4+500	
0	225,134
62,323	225,655
66,264	227,723
70,36	225,697
75,663	225,517
79,245	223,192
81,805	222,76
82,767	221,235
86,967	221,087
91,428	221,25
92,821	223,615
98,856	224,532
101,392	226,12
130,116	226,536
133,27	225,079
171,203	225,162



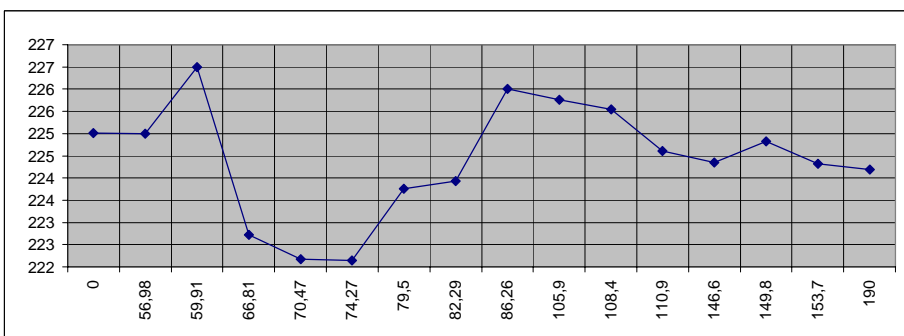
Prog. 4+750	
0	225,019
45,829	225,114
48,611	226,021
51,251	225,515
53,576	225,553
58,147	222,56
62,81	222,527
63,32	221,268
67,933	221,319
71,664	221,951
71,949	224,371
75,876	224,722
78,81	226,418
96,935	228,532
102,906	225,231
144,301	226,193
169,235	224,942



S11 - Prog. 5+000	
0	225,076
19,562	225,121
60,903	225,543
63,55	226,992
70,752	222,761
73,872	222,389
74,602	220,989
78,314	220,996
82,971	221,396
83,719	223,595
86,536	223,976
89,858	225,921
106,633	227,147
109,051	225,78
117,364	224,807
141,768	224,501



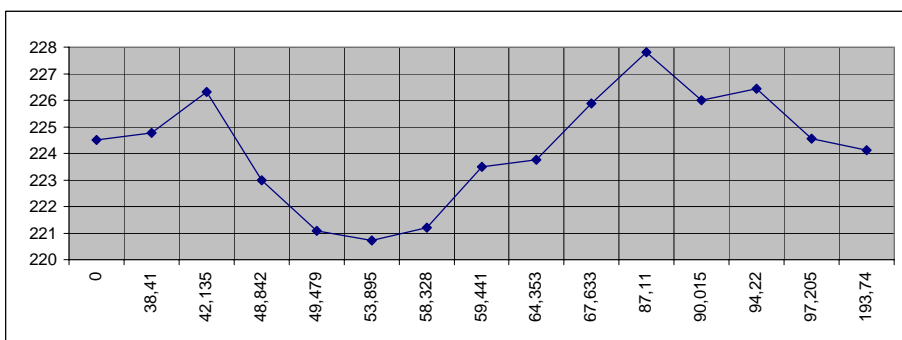
Prog. 5+250	
0	225,018
56,98	225,004
59,906	226,496
66,806	222,719
70,471	222,169
74,266	222,145
79,499	223,759
82,288	223,927
86,256	225,999
105,917	225,755
108,37	225,548
110,857	224,613
146,629	224,342
149,787	224,823
153,661	224,327
190,035	224,185



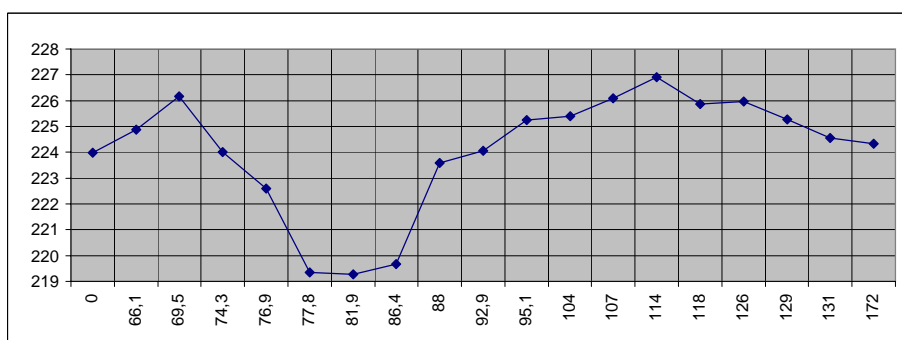
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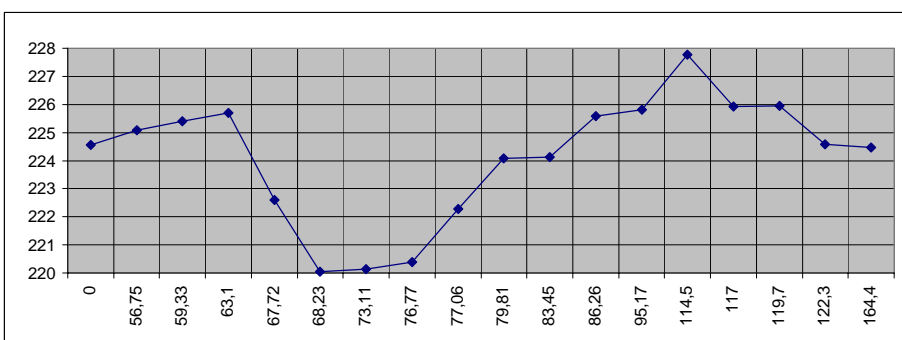
S12 - Prog. 5+500	
0	224,513
38,41	224,772
42,135	226,323
48,842	222,991
49,479	221,078
53,895	220,73
58,328	221,196
59,441	223,499
64,353	223,76
67,633	225,87
87,11	227,815
90,015	226,012
94,22	226,439
97,205	224,559
193,738	224,128



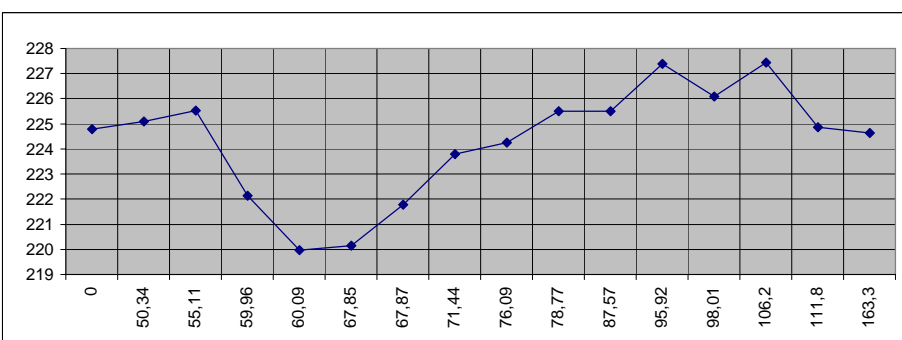
Prog. 5+750	
0	223,988
66,072	224,883
69,483	226,174
74,331	224,019
76,875	222,584
77,837	219,35
81,934	219,267
86,424	219,666
88	223,584
92,881	224,063
95,1	225,259
103,81	225,399
107,176	226,092
114,344	226,903
117,593	225,872
126,4	225,97
129,078	225,264
131,12	224,555
171,67	224,333



S13 - Prog. 6+000	
0	224,557
56,747	225,094
59,332	225,397
63,098	225,692
67,719	222,602
68,229	220,052
73,112	220,129
76,771	220,385
77,057	222,278
79,812	224,075
83,453	224,125
86,263	225,589
95,171	225,82
114,48	227,783
116,975	225,935
119,736	225,947
122,271	224,584
164,385	224,474



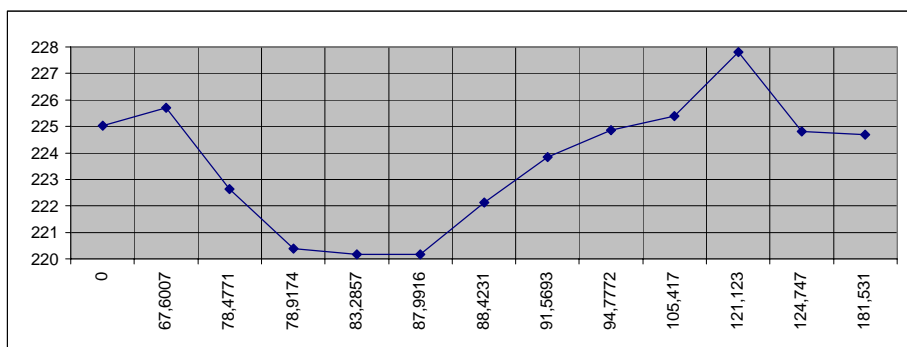
Prog. 6+250	
0	224,793
50,337	225,105
55,1142	225,521
59,958	222,143
60,0861	219,98
67,8484	220,137
67,8652	221,785
71,435	223,8
76,0903	224,247
78,765	225,504
87,5729	225,497
95,9188	227,381
98,0058	226,089
106,2208	227,444
111,8299	224,858
163,3238	224,629



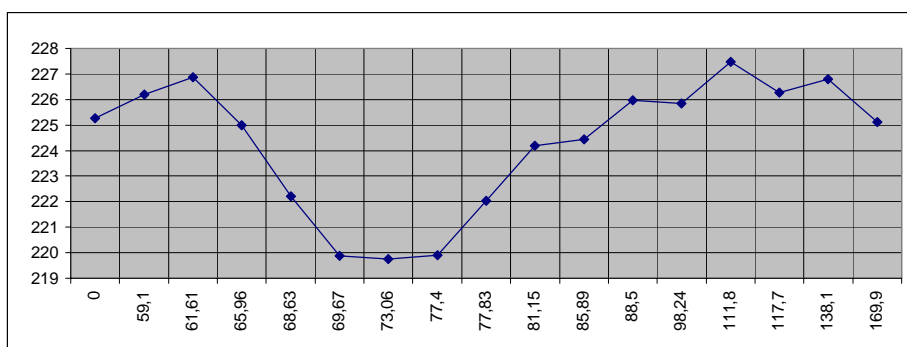
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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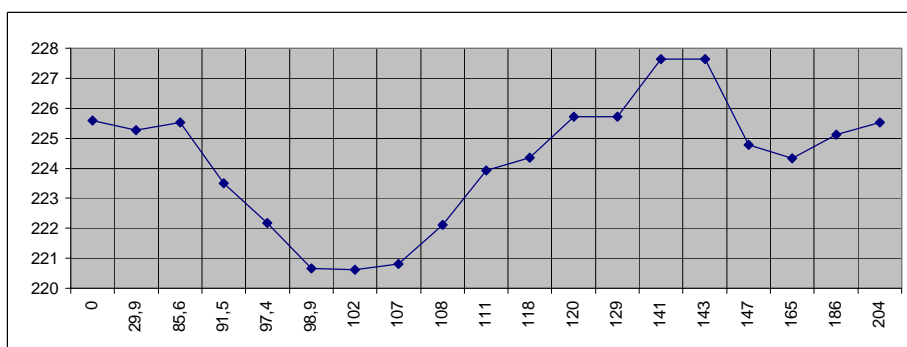
S14 - Prog. 6+500	
0	225,029
67,6007	225,705
78,4771	222,643
78,9174	220,378
83,2857	220,172
87,9916	220,173
88,4231	222,128
91,5693	223,832
94,7772	224,866
105,4166	225,399
121,1233	227,816
124,7468	224,814
181,5308	224,686



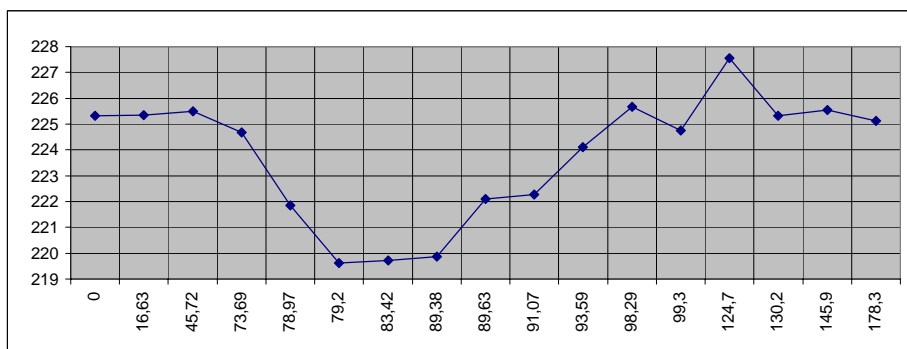
Prog. 6+750	
0	225,269
59,0972	226,203
61,6149	226,871
65,9616	224,982
68,6283	222,202
69,6734	219,867
73,0567	219,746
77,3969	219,905
77,8298	222,038
81,1484	224,183
85,8944	224,442
88,4957	225,958
98,2408	225,84
111,8163	227,479
117,6615	226,259
138,1357	226,804
169,8814	225,122



S15 - Prog. 7+000	
0	225,599
29,9244	225,274
85,6081	225,523
91,4524	223,49
97,4001	222,168
98,8924	220,665
102,2456	220,621
107,2837	220,815
107,7863	222,112
110,9034	223,932
117,6138	224,351
119,5732	225,724
129,2687	225,715
141,1111	227,627
143,2216	227,639
147,2937	224,778
165,4383	224,328
185,82	225,12
203,6108	225,531



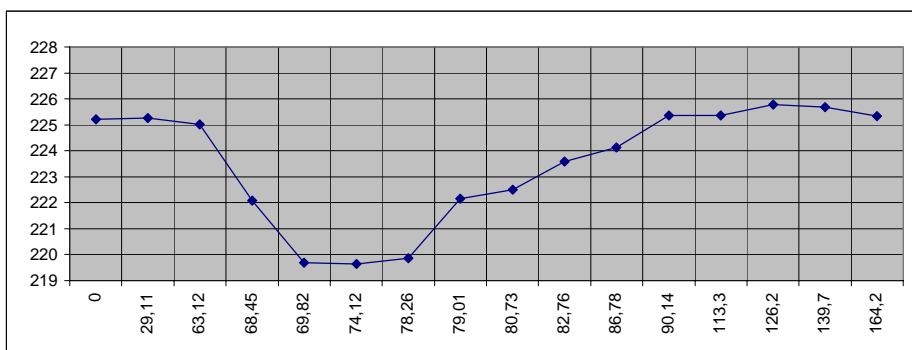
Prog. 7+250	
0	225,312
16,6274	225,347
45,7226	225,498
73,6897	224,67
78,9687	221,857
79,1992	219,622
83,4194	219,71
89,3827	219,874
89,6306	222,099
91,0652	222,276
93,5934	224,113
98,2889	225,676
99,3011	224,746
124,7315	227,565
130,1743	225,32
145,8856	225,537
178,2994	225,124



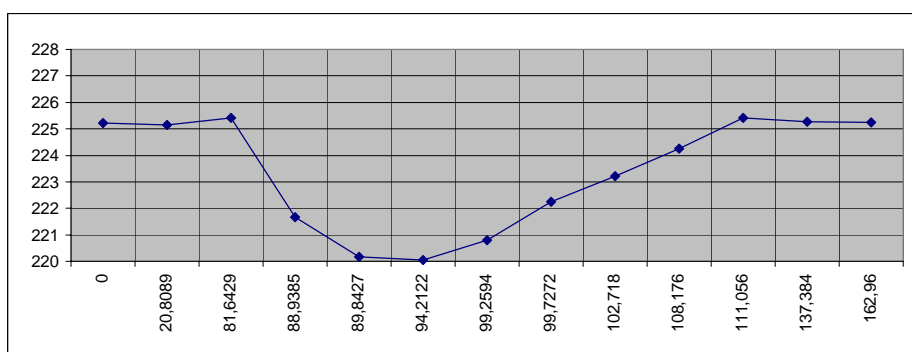
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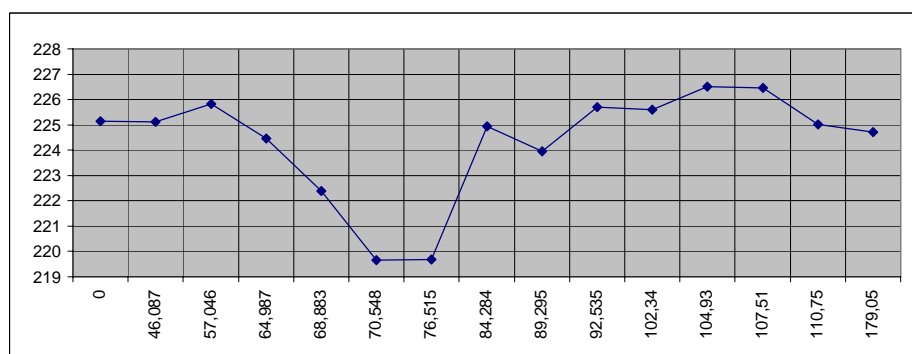
S16 - Prog. 7+500	
0	225,216
29,1065	225,266
63,1208	225,019
68,4534	222,091
69,8211	219,682
74,1154	219,631
78,262	219,873
79,005	222,154
80,7266	222,513
82,7587	223,581
86,7791	224,138
90,1378	225,359
113,2978	225,356
126,203	225,774
139,6918	225,681
164,1669	225,328



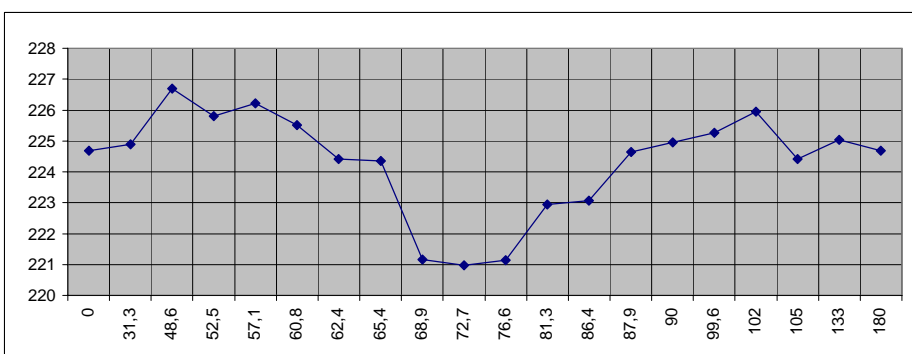
Prog. 7+750	
0	225,21
20,8089	225,154
81,6429	225,41
88,9385	221,664
89,8427	220,177
94,2122	220,056
99,2594	220,786
99,7272	222,242
102,7184	223,218
108,1763	224,245
111,056	225,405
137,3842	225,276
162,9598	225,244



S17 - Prog. 8+000	
0	225,152
46,0873	225,123
57,0462	225,836
64,9867	224,468
68,8829	222,382
70,548	219,645
76,5147	219,686
84,2844	224,944
89,2946	223,958
92,5348	225,702
102,3435	225,608
104,9271	226,503
107,5123	226,464
110,7485	225,006
179,0494	224,714



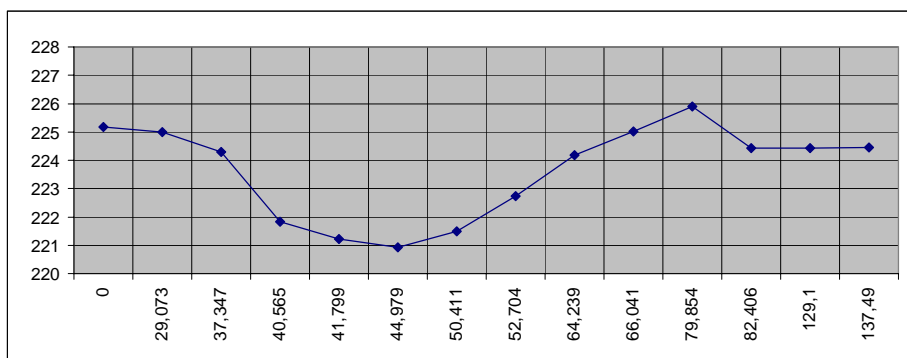
Prog. 8+250	
0	224,692
31,3138	224,892
48,6391	226,69
52,4578	225,812
57,056	226,21
60,8465	225,514
62,385	224,421
65,4058	224,354
68,8835	221,163
72,7222	220,969
76,5582	221,15
81,2893	222,937
86,4437	223,074
87,9395	224,648
90,0289	224,956
99,6052	225,274
101,692	225,955
104,7789	224,411
132,6408	225,043
180,2057	224,692



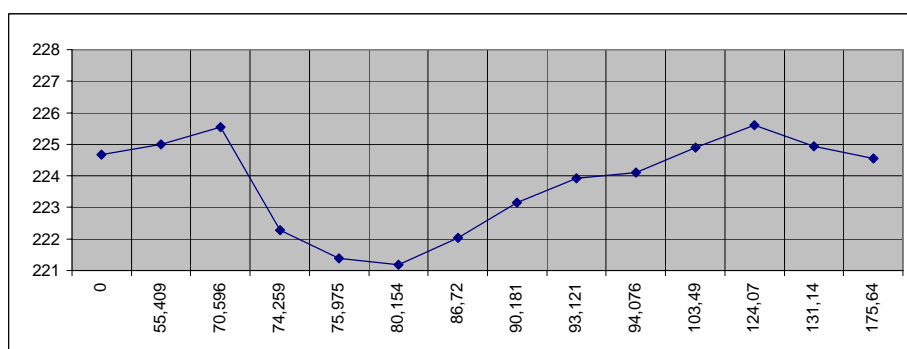
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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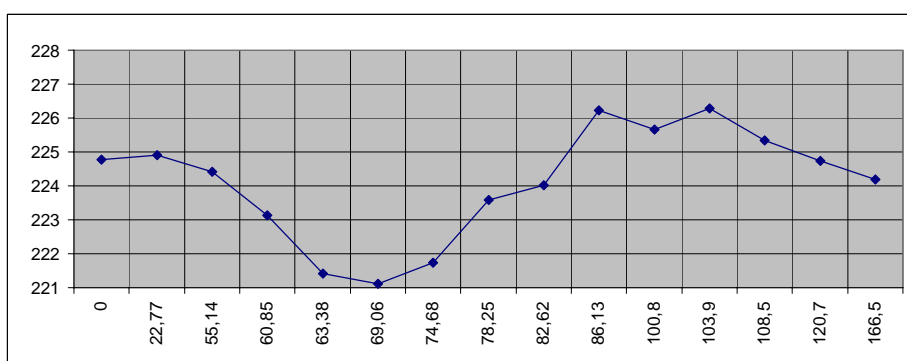
S18 - Prog. 8+500	
0	225,17
29,0733	224,99
37,3466	224,288
40,5649	221,831
41,7994	221,226
44,9794	220,934
50,4111	221,484
52,7043	222,736
64,2393	224,183
66,0409	225,023
79,8538	225,899
82,4059	224,435
129,1015	224,436
137,4944	224,452



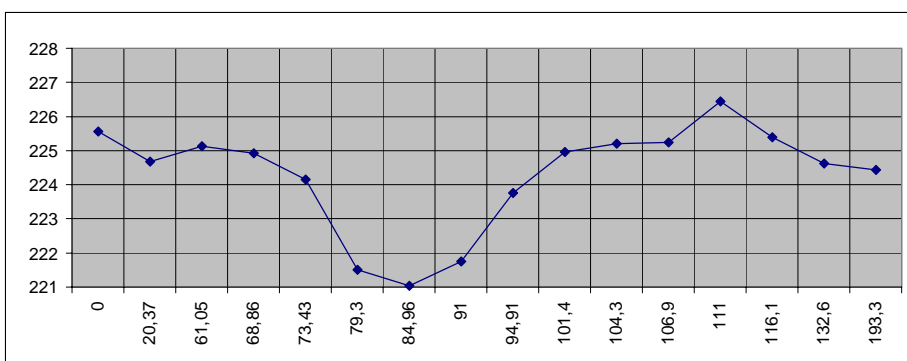
Prog. 8+750	
0	224,674
55,4093	225,006
70,5955	225,544
74,2586	222,272
75,9752	221,377
80,1535	221,182
86,7201	222,04
90,1806	223,158
93,1208	223,923
94,0761	224,108
103,4853	224,889
124,0695	225,603
131,1402	224,938
175,6389	224,545



S19 - Prog. 9+000	
0	224,78
22,7655	224,915
55,1418	224,412
60,8488	223,14
63,3801	221,411
69,0568	221,11
74,6817	221,743
78,2499	223,592
82,6228	224,028
86,132	226,228
100,76	225,657
103,9257	226,284
108,4933	225,342
120,698	224,733
166,4889	224,191



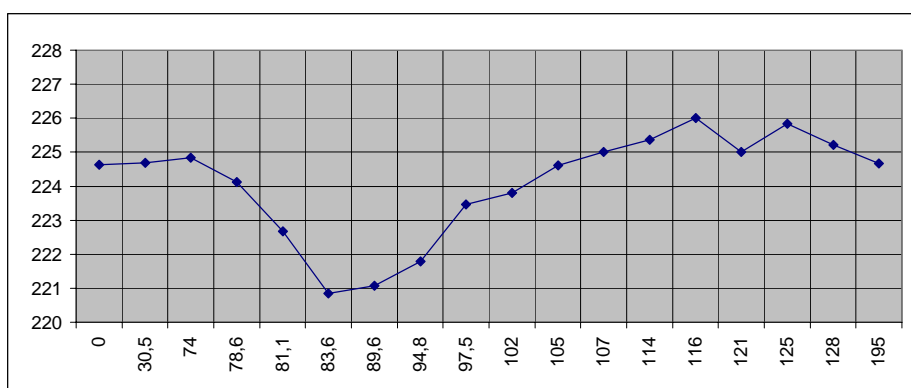
Prog. 9+250	
0	225,564
20,3724	224,673
61,051	225,12
68,8579	224,922
73,426	224,153
79,3026	221,501
84,9593	221,042
90,9957	221,756
94,9068	223,753
101,3526	224,966
104,2911	225,195
106,9446	225,233
111,04	226,436
116,0979	225,391
132,634	224,628
193,2635	224,437



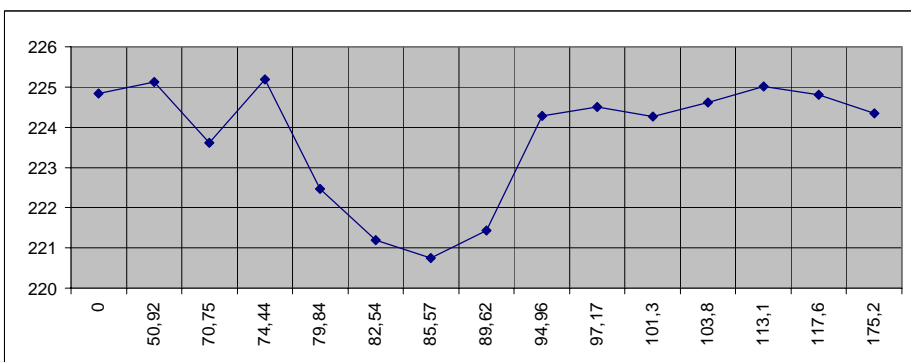
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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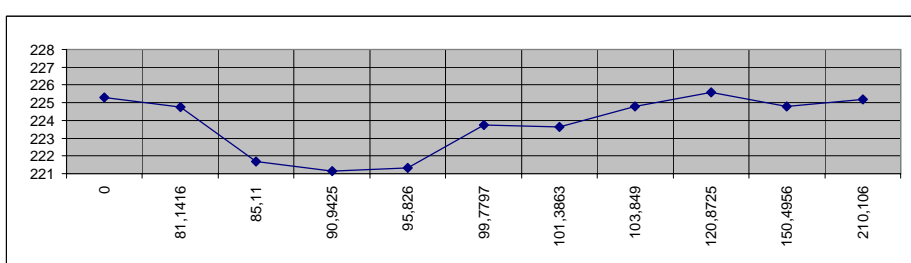
S20 - Prog. 9+500	
0	224,628
30,5371	224,678
73,9959	224,837
78,6031	224,127
81,1037	222,67
83,642	220,856
89,5778	221,064
94,8248	221,789
97,5217	223,461
102,2325	223,811
104,6016	224,61
107,198	225,013
114,0411	225,373
115,9443	225,998
121,4846	225,011
125,1624	225,826
128,3302	225,208
194,6446	224,676



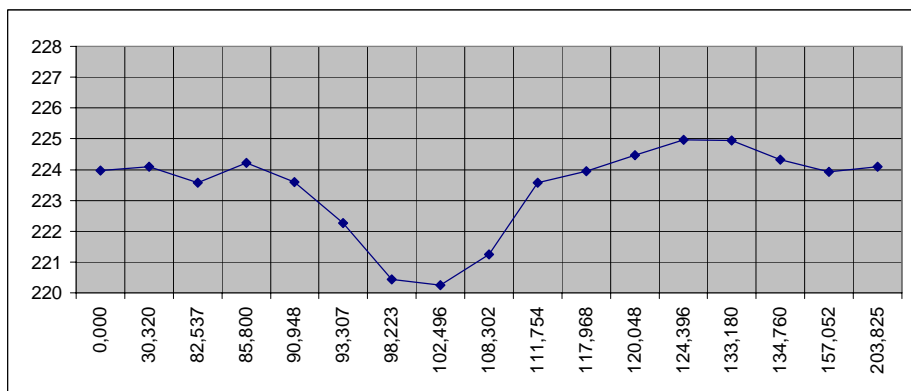
Prog. 9+750	
0	224,841
50,9243	225,125
70,7457	223,616
74,4423	225,194
79,8438	222,463
82,5425	221,197
85,5716	220,754
89,6222	221,434
94,9576	224,282
97,1731	224,5
101,2865	224,27
103,789	224,61
113,1305	225,007
117,6327	224,804
175,2414	224,347



S21 - Prog. 10+000	
0	225,301
81,1416	224,742
85,11	221,693
90,9425	221,136
95,826	221,312
99,7797	223,726
101,3863	223,638
103,849	224,798
120,8725	225,596
150,4956	224,782
210,106	225,202



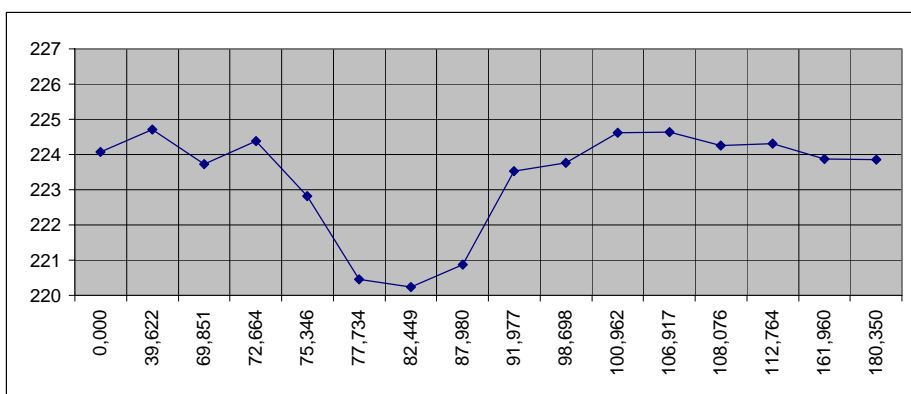
Prog. 10+250	
0,000	223,969
30,320	224,096
82,537	223,584
85,800	224,220
90,948	223,586
93,307	222,275
98,223	220,427
102,496	220,252
108,302	221,242
111,754	223,568
117,968	223,949
120,048	224,464
124,396	224,965
133,180	224,943
134,760	224,330
157,052	223,918
203,825	224,084



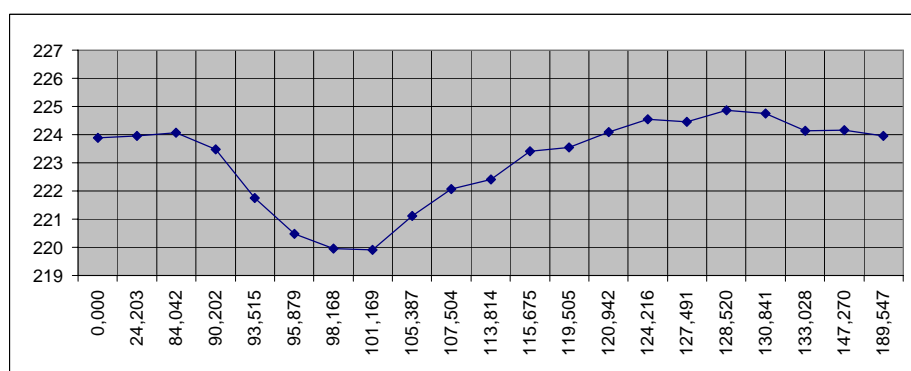
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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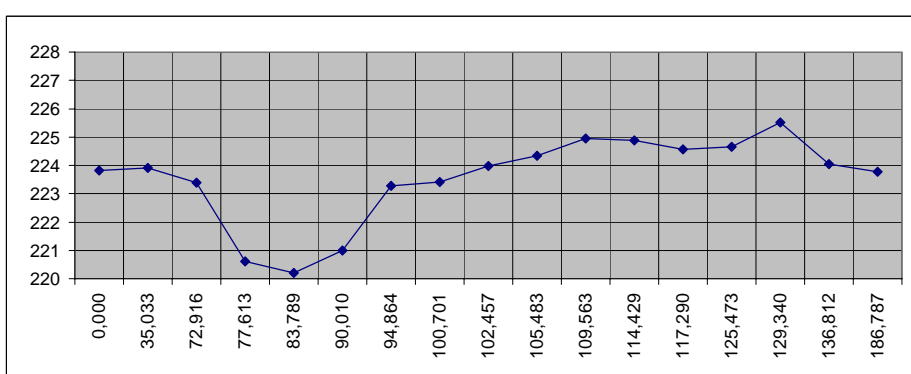
S21 - Prog. 10+500	
0,000	224,072
39,622	224,711
69,851	223,721
72,664	224,379
75,346	222,812
77,734	220,453
82,449	220,243
87,980	220,875
91,977	223,524
98,698	223,764
100,962	224,622
106,917	224,633
108,076	224,257
112,764	224,314
161,960	223,878
180,350	223,847



Prog. 10+750	
0,000	223,885
24,203	223,948
84,042	224,063
90,202	223,474
93,515	221,742
95,879	220,482
98,168	219,959
101,169	219,912
105,387	221,113
107,504	222,068
113,814	222,403
115,675	223,398
119,505	223,544
120,942	224,092
124,216	224,535
127,491	224,453
128,520	224,871
130,841	224,748
133,028	224,144
147,270	224,162
189,547	223,961



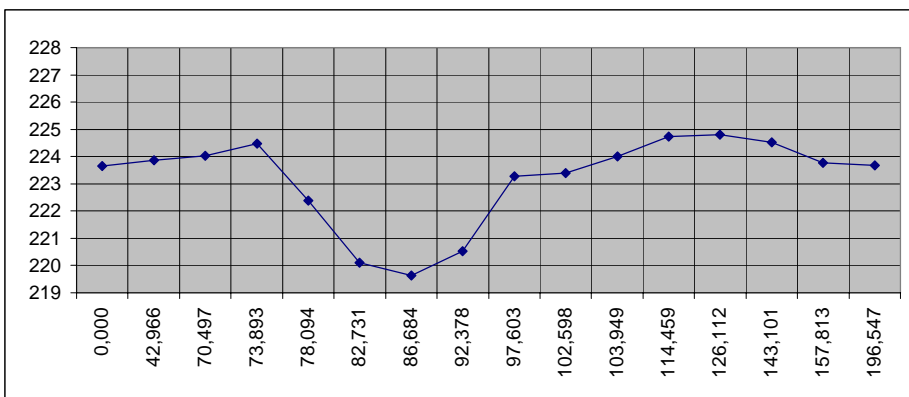
S22 - Prog. 11+000	
0,000	223,824
35,033	223,919
72,916	223,381
77,613	220,620
83,789	220,207
90,010	220,992
94,864	223,266
100,701	223,405
102,457	223,974
105,483	224,350
109,563	224,939
114,429	224,889
117,290	224,563
125,473	224,647
129,340	225,514
136,812	224,052
186,787	223,780



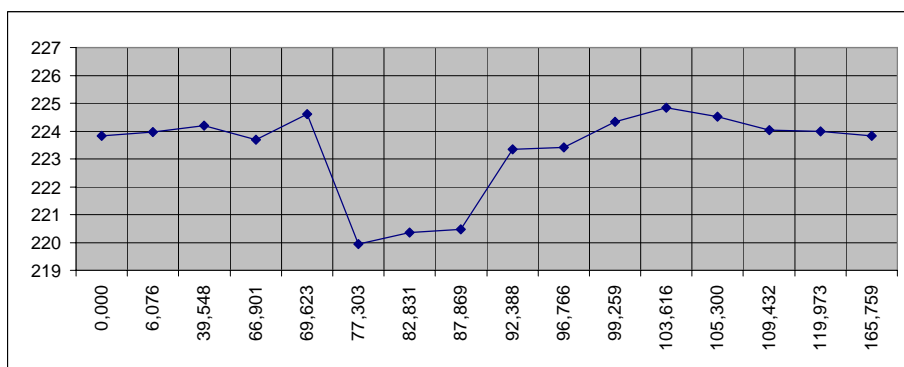
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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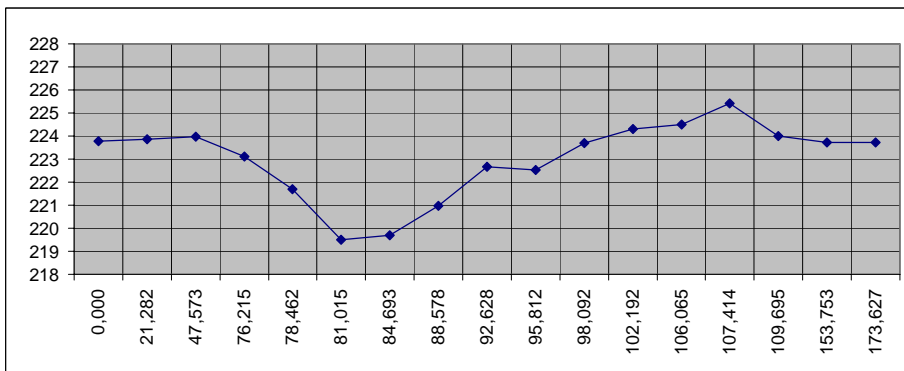
Prog. 11+250	
0,000	223,648
42,966	223,856
70,497	224,037
73,893	224,469
78,094	222,394
82,731	220,110
86,684	219,636
92,378	220,525
97,603	223,282
102,598	223,383
103,949	224,007
114,459	224,736
126,112	224,809
143,101	224,521
157,813	223,774
196,547	223,676



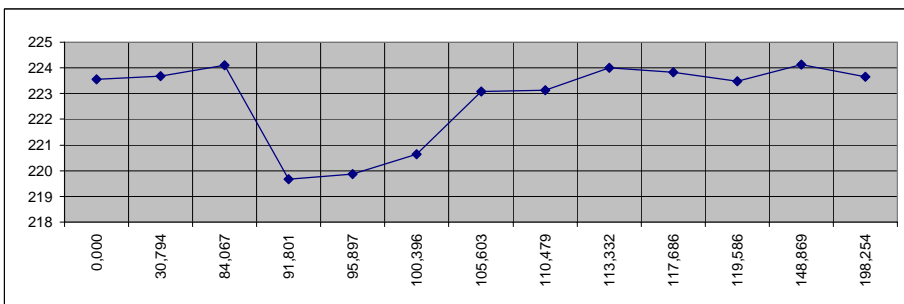
S23 - Prog. 11+500	
0,000	223,820
6,076	223,976
39,548	224,185
66,901	223,689
69,623	224,620
77,303	219,933
82,831	220,354
87,869	220,467
92,388	223,344
96,766	223,421
99,259	224,343
103,616	224,840
105,300	224,525
109,432	224,031
119,973	223,988
165,759	223,834



Prog. 11+750	
0,000	223,777
21,282	223,865
47,573	223,971
76,215	223,114
78,462	221,684
81,015	219,500
84,693	219,683
88,578	220,977
92,628	222,653
95,812	222,540
98,092	223,681
102,192	224,296
106,065	224,493
107,414	225,403
109,695	224,006
153,753	223,731
173,627	223,715



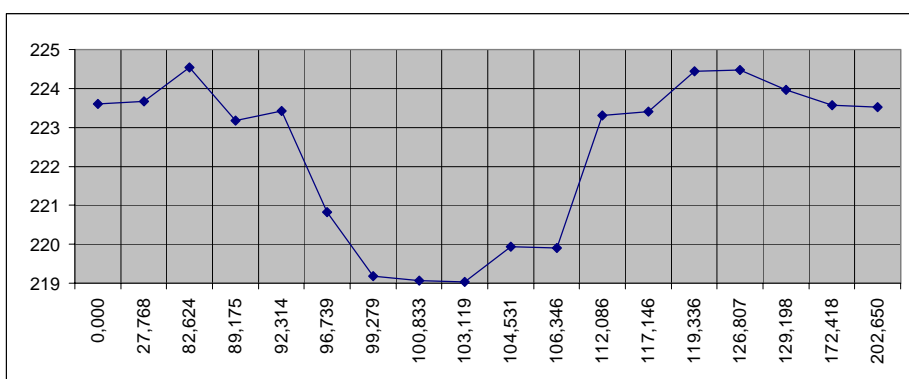
S24 - Prog. 12+000	
0,000	223,564
30,794	223,672
84,067	224,106
91,801	219,665
95,897	219,867
100,396	220,642
105,603	223,071
110,479	223,142
113,332	223,994
117,686	223,835
119,586	223,475
148,869	224,118
198,254	223,649



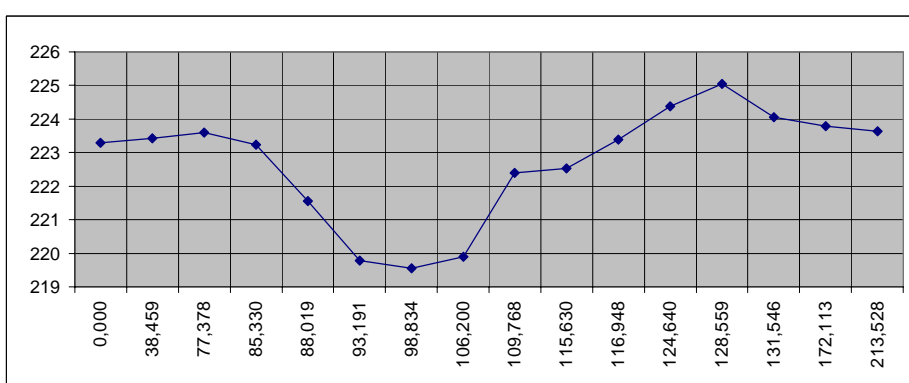
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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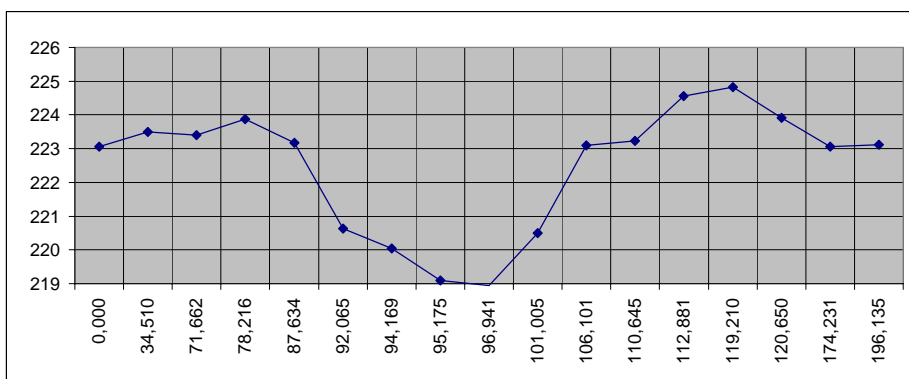
Prog. 12+250	
0,000	223,605
27,768	223,668
82,624	224,541
89,175	223,177
92,314	223,420
96,739	220,829
99,279	219,179
100,833	219,063
103,119	219,029
104,531	219,933
106,346	219,900
112,086	223,307
117,146	223,408
119,336	224,447
126,807	224,476
129,198	223,960
172,418	223,573
202,650	223,517



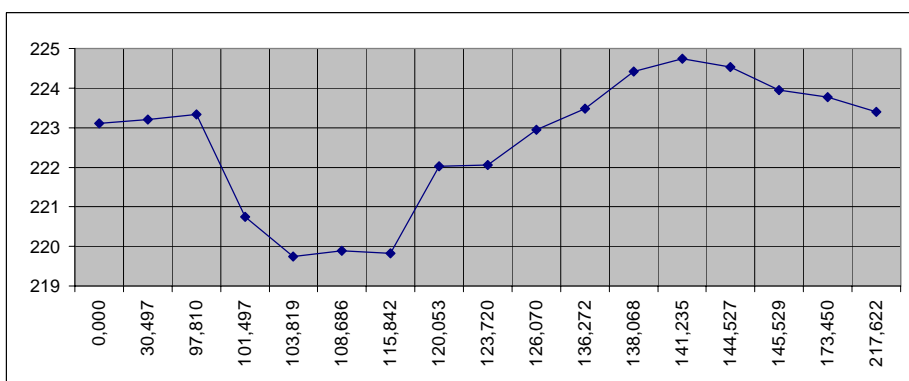
S25 - Prog. 12+500	
0,000	223,294
38,459	223,430
77,378	223,605
85,330	223,226
88,019	221,564
93,191	219,777
98,834	219,555
106,200	219,894
109,768	222,397
115,630	222,535
116,948	223,383
124,640	224,387
128,569	225,037
131,546	224,061
172,113	223,787
213,528	223,641



Prog. 12+750	
0,000	223,069
34,510	223,497
71,662	223,398
78,216	223,868
87,634	223,179
92,065	220,635
94,169	220,039
95,175	219,088
96,941	218,935
101,005	220,503
106,101	223,101
110,645	223,230
112,881	224,561
119,210	224,830
120,650	223,908
174,231	223,062
196,135	223,115



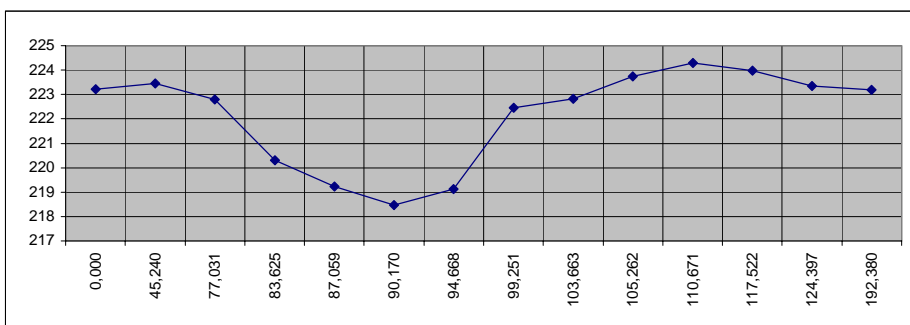
S26 - Prog. 13+000	
0,000	223,115
30,497	223,205
97,810	223,338
101,497	220,754
103,819	219,751
108,686	219,886
115,842	219,822
120,053	222,026
123,720	222,057
126,070	222,943
136,272	223,481
138,068	224,410
141,235	224,747
144,527	224,535
145,529	223,951
173,450	223,765
217,622	223,402



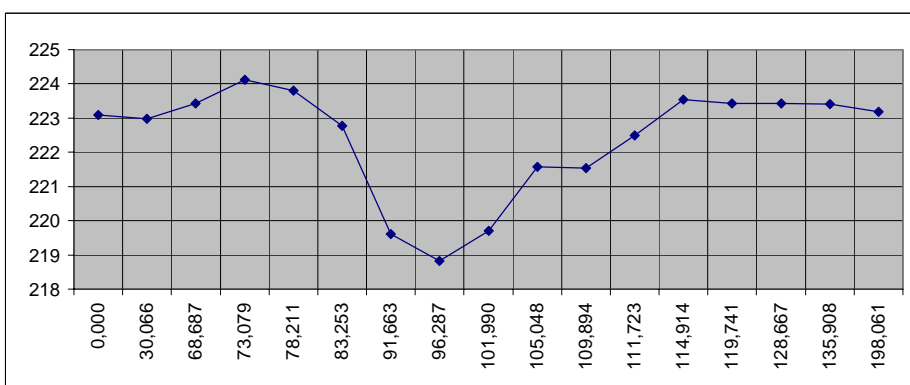
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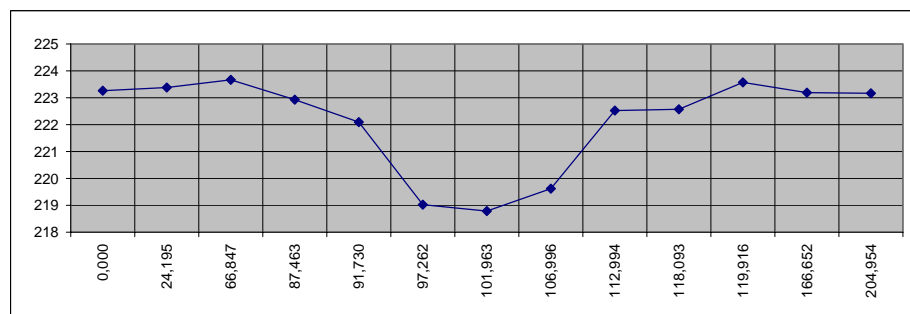
Prog. 13+250	
0,000	223,206
45,240	223,462
77,031	222,785
83,625	220,301
87,059	219,218
90,170	218,472
94,668	219,132
99,251	222,465
103,663	222,828
105,262	223,743
110,671	224,283
117,522	223,986
124,397	223,338
192,380	223,200



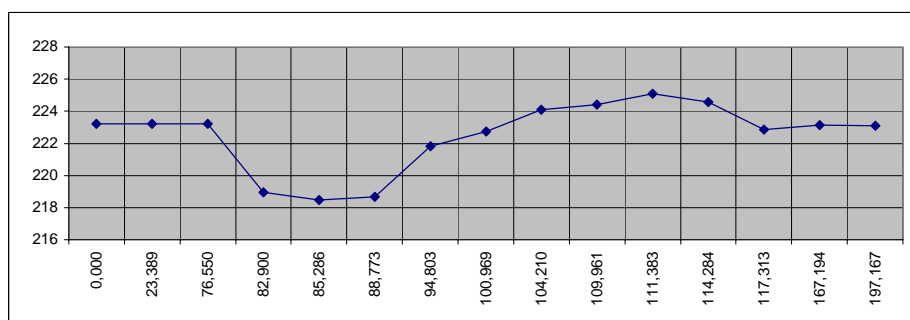
S27 - Prog. 13+500	
0,000	223,093
30,066	222,979
68,687	223,426
73,079	224,128
78,211	223,795
83,253	222,774
91,663	219,617
96,287	218,819
101,990	219,710
105,048	221,571
109,894	221,537
111,723	222,486
114,914	223,540
119,741	223,425
128,667	223,419
135,908	223,412
198,061	223,193



Prog. 13+750	
0,000	223,252
24,195	223,378
66,847	223,661
87,463	222,919
91,730	222,088
97,262	219,017
101,963	218,787
106,996	219,610
112,994	222,514
118,093	222,569
119,916	223,579
166,652	223,185
204,954	223,167



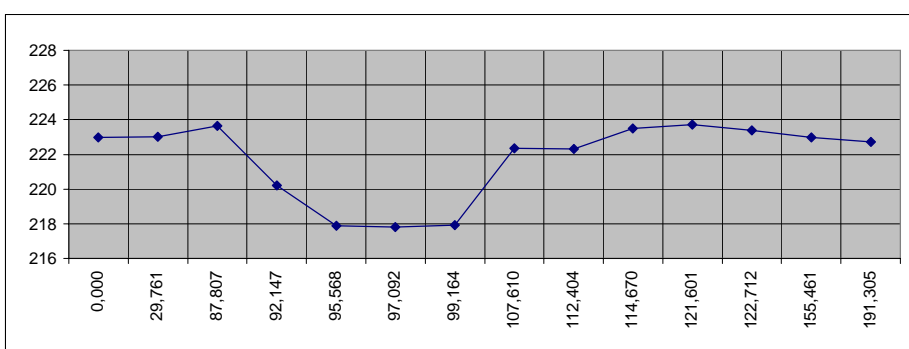
S28 - Prog. 14+000	
0,000	223,210
23,389	223,217
76,550	223,213
82,900	218,958
85,286	218,454
88,773	218,665
94,803	221,802
100,969	222,737
104,210	224,090
109,961	224,424
111,383	225,084
114,284	224,571
117,313	222,870
167,194	223,137
197,167	223,087



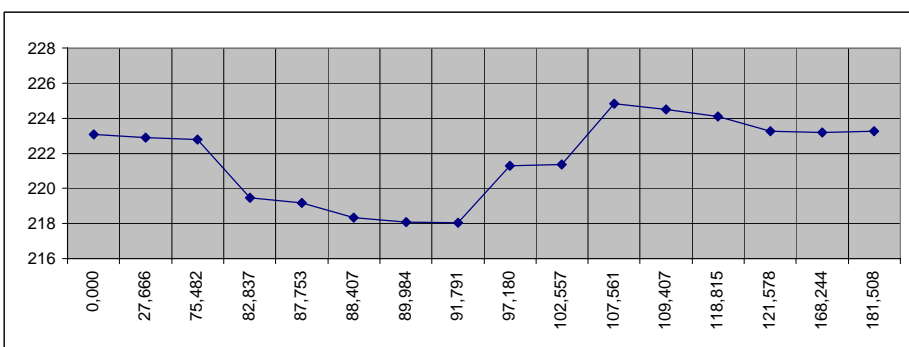
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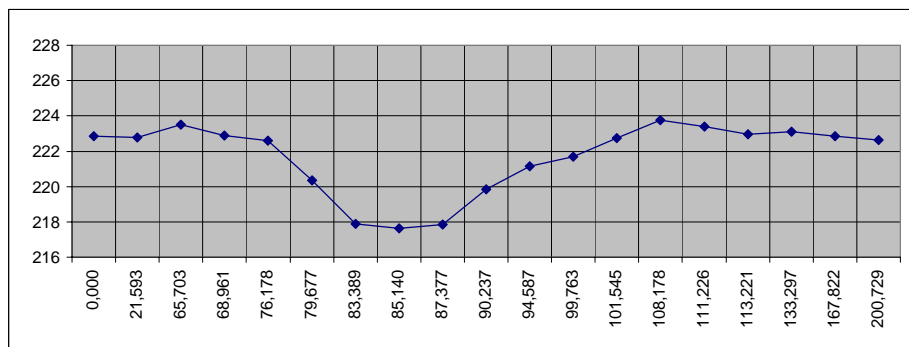
Prog. 14+250	
0,000	222,964
29,761	223,027
87,807	223,643
92,147	220,220
95,568	217,895
97,092	217,820
99,164	217,908
107,610	222,342
112,404	222,305
114,670	223,484
121,601	223,717
122,712	223,367
155,461	222,960
191,305	222,729



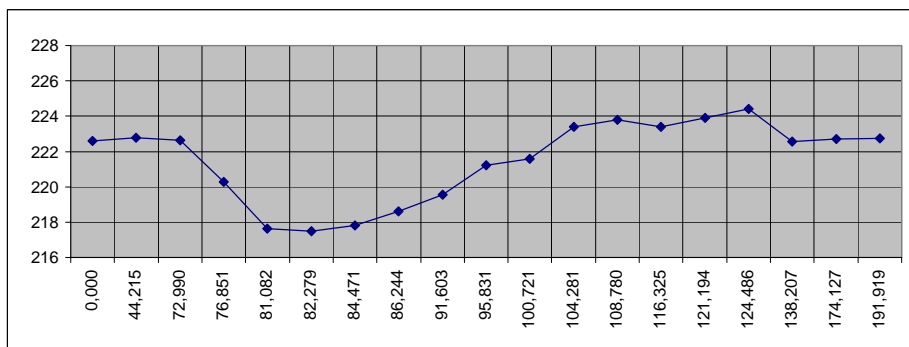
S29 - Prog. 14+500	
0,000	223,075
27,666	222,890
75,482	222,790
82,837	219,462
87,753	219,156
88,407	218,335
89,984	218,096
91,791	218,041
97,180	221,297
102,557	221,376
107,561	224,841
109,407	224,503
118,815	224,089
121,578	223,241
168,244	223,173
181,508	223,262



Prog. 14+750	
0,000	222,869
21,593	222,789
65,703	223,515
68,961	222,906
76,178	222,590
79,677	220,353
83,389	217,902
85,140	217,642
87,377	217,846
90,237	219,848
94,587	221,145
99,763	221,688
101,545	222,729
108,178	223,770
111,226	223,396
113,221	222,967
133,297	223,090
167,822	222,842
200,729	222,639



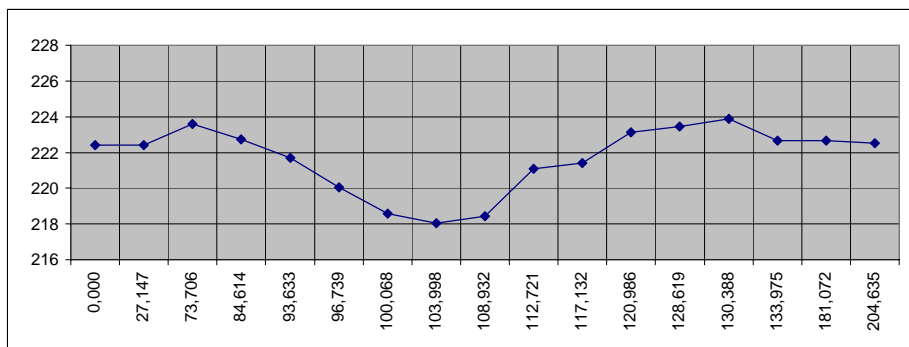
S30 - Prog. 15+000	
0,000	222,590
44,215	222,792
72,990	222,618
76,851	220,296
81,082	217,639
82,279	217,475
84,471	217,804
86,244	218,593
91,603	219,542
95,831	221,221
100,721	221,595
104,281	223,383
108,780	223,780
116,325	223,380
121,194	223,912
124,486	224,419
138,207	222,567
174,127	222,703
191,919	222,746



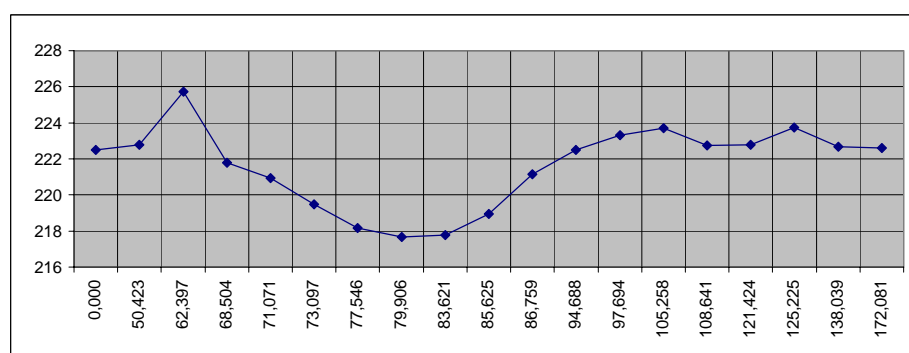
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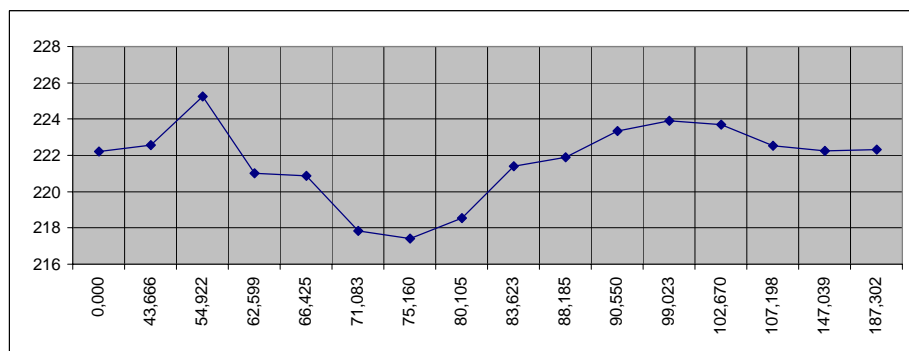
Prog. 15+250	
0,000	222,405
27,147	222,424
73,706	223,579
84,614	222,742
93,633	221,693
96,739	220,031
100,068	218,563
103,998	218,056
108,932	218,420
112,721	221,099
117,132	221,399
120,986	223,145
128,619	223,439
130,388	223,868
133,975	222,667
181,072	222,646
204,635	222,517



S31 - Prog. 15+500	
0,000	222,507
50,423	222,782
62,397	225,712
68,504	221,787
71,071	220,932
73,097	219,476
77,546	218,156
79,906	217,658
83,621	217,787
85,625	218,957
86,759	221,163
94,688	222,487
97,694	223,308
105,258	223,692
108,641	222,739
121,424	222,764
125,225	223,756
138,039	222,686
172,081	222,586



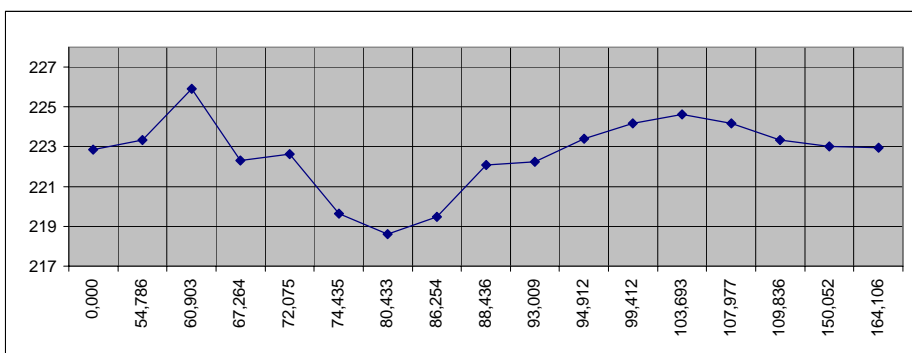
Prog. 15+750	
0,000	222,208
43,666	222,560
54,922	225,246
62,599	221,013
66,425	220,885
71,083	217,835
75,160	217,400
80,105	218,528
83,623	221,397
88,185	221,910
90,550	223,350
99,023	223,923
102,670	223,705
107,198	222,541
147,039	222,246
187,302	222,322



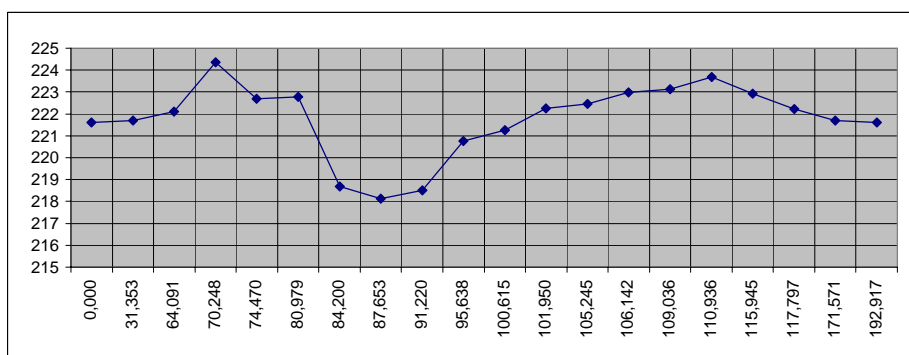
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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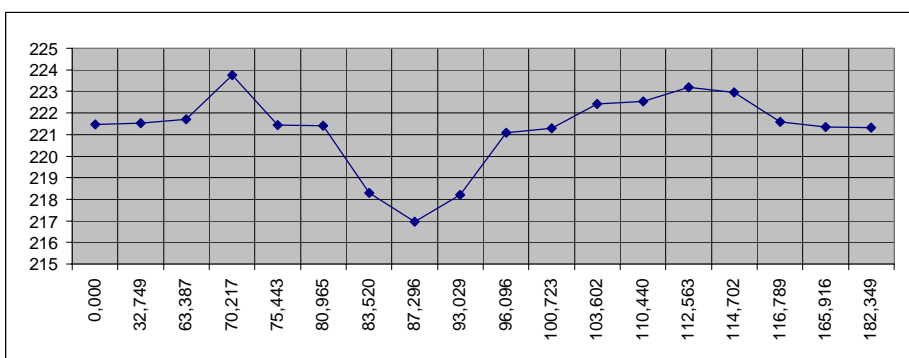
S32 - Prog. 16+000	
0,000	222,853
54,786	223,340
60,903	225,913
67,264	222,292
72,075	222,641
74,435	219,643
80,433	218,607
86,254	219,475
88,436	222,076
93,009	222,249
94,912	223,414
99,412	224,178
103,693	224,615
107,977	224,170
109,836	223,336
150,052	223,002
164,106	222,945



Prog. 16+250	
0,000	221,615
31,353	221,706
64,091	222,114
70,248	224,359
74,470	222,702
80,979	222,765
84,200	218,670
87,653	218,131
91,220	218,520
95,638	220,749
100,615	221,265
101,950	222,257
105,245	222,452
106,142	222,988
109,036	223,118
110,936	223,679
115,945	222,933
117,797	222,236
171,571	221,694
192,917	221,607



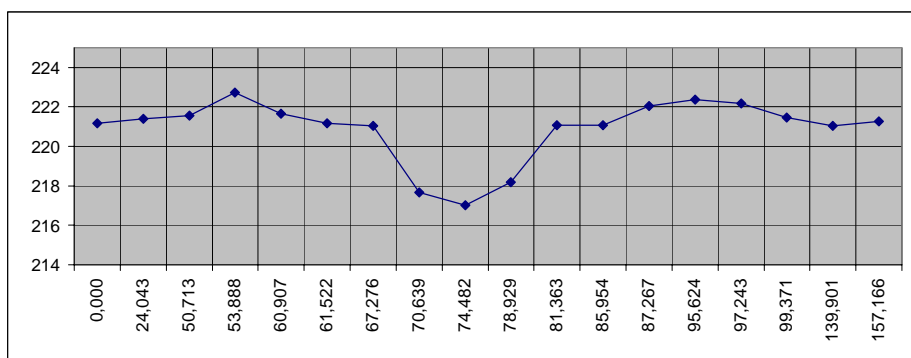
S33 - Prog. 16+500	
0,000	221,462
32,749	221,533
63,387	221,704
70,217	223,767
75,443	221,428
80,965	221,416
83,520	218,298
87,296	216,952
93,029	218,211
96,096	221,091
100,723	221,290
103,602	222,419
110,440	222,528
112,563	223,201
114,702	222,947
116,789	221,583
165,916	221,345
182,349	221,333



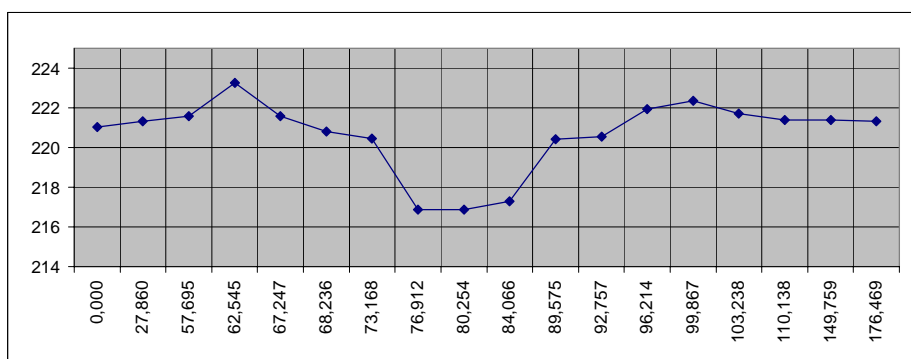
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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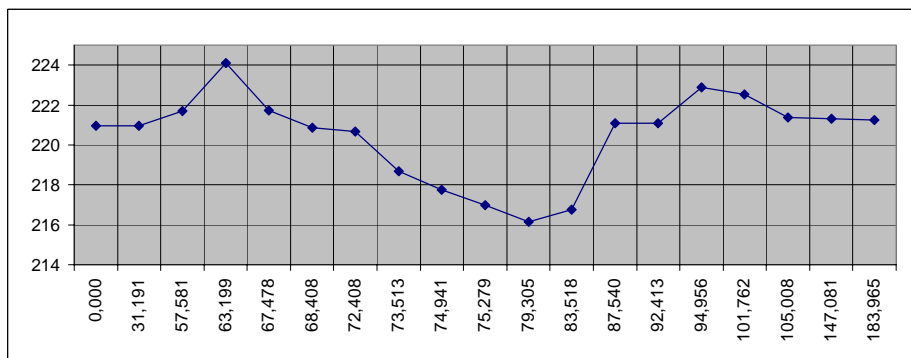
Prog. 16+750	
0,000	221,181
24,043	221,401
50,713	221,565
53,888	222,737
60,907	221,648
61,522	221,177
67,276	221,052
70,639	217,662
74,482	217,005
78,929	218,192
81,363	221,074
85,954	221,077
87,267	222,053
95,624	222,381
97,243	222,165
99,371	221,473
139,901	221,036
157,166	221,275



S34 - Prog. 17+000	
0,000	221,027
27,860	221,311
57,695	221,577
62,545	223,261
67,247	221,586
68,236	220,815
73,168	220,445
76,912	216,876
80,254	216,867
84,066	217,284
89,575	220,409
92,757	220,537
96,214	221,935
99,867	222,356
103,238	221,699
110,138	221,386
149,759	221,373
176,469	221,322



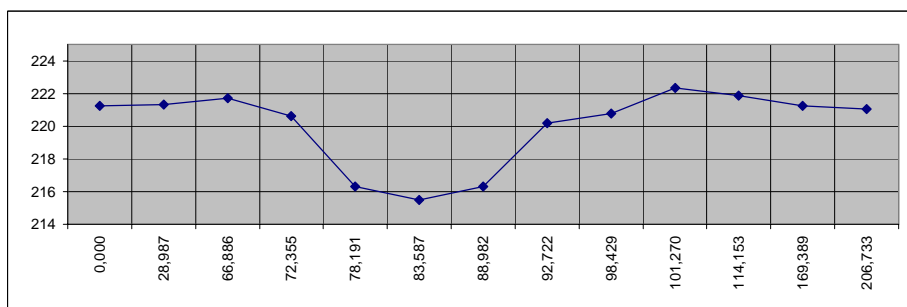
Prog. 17+250	
0,000	220,973
31,191	220,964
57,581	221,698
63,199	224,099
67,478	221,723
68,408	220,873
72,408	220,675
73,513	218,686
74,941	217,738
75,279	216,985
79,305	216,144
83,518	216,747
87,540	221,092
92,413	221,089
94,956	222,897
101,762	222,541
105,008	221,378
147,081	221,314
183,965	221,251



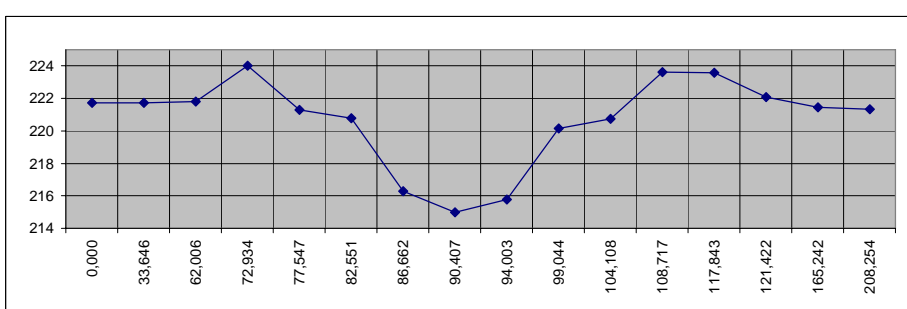
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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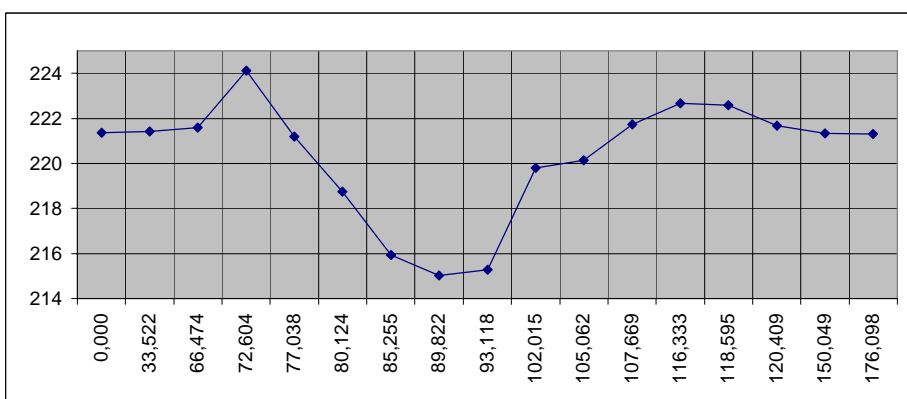
S35 - Prog. 17+500	
0,000	221,251
28,987	221,302
66,886	221,712
72,355	220,621
78,191	216,308
83,587	215,501
88,982	216,318
92,722	220,191
98,429	220,782
101,270	222,335
114,153	221,862
169,389	221,229
206,733	221,030



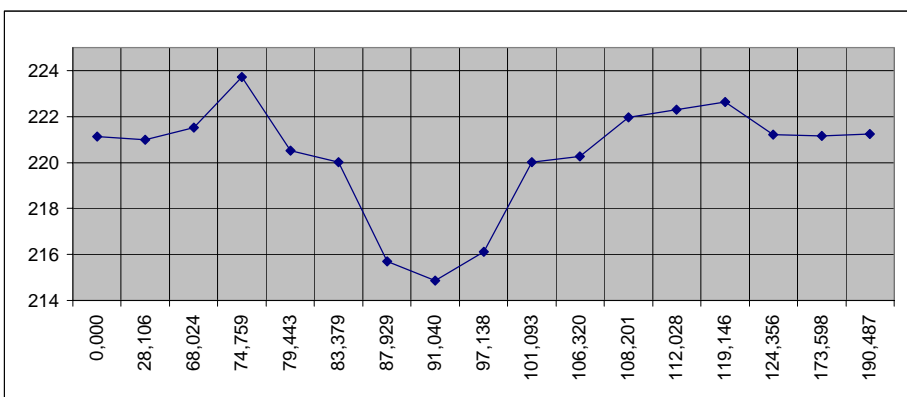
Prog. 17+750	
0,000	221,734
33,646	221,713
62,006	221,822
72,934	224,011
77,547	221,276
82,551	220,767
86,662	216,298
90,407	214,995
94,003	215,760
99,044	220,140
104,108	220,753
108,717	223,605
117,843	223,579
121,422	222,085
165,242	221,451
208,254	221,339



S36 - Prog. 18+000	
0,000	221,357
33,522	221,422
66,474	221,591
72,604	224,122
77,038	221,179
80,124	218,741
85,255	215,947
89,822	215,030
93,118	215,273
102,015	219,801
105,062	220,142
107,669	221,723
116,333	222,669
118,595	222,592
120,409	221,676
150,049	221,334
176,098	221,296



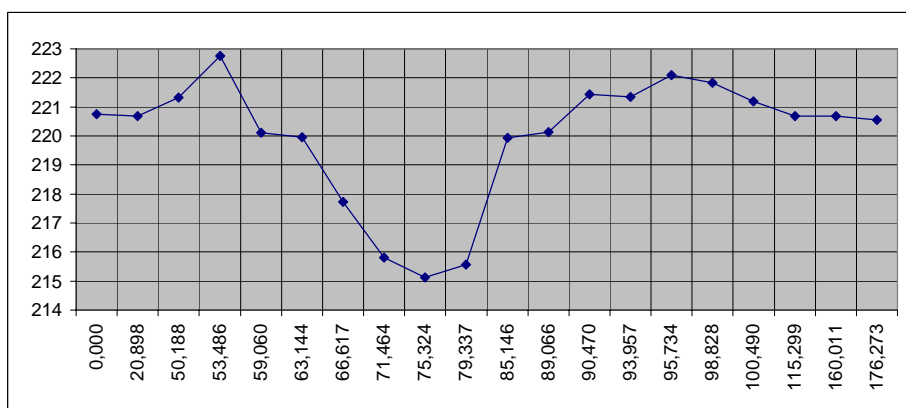
Prog. 18+250	
0,000	221,128
28,106	220,985
68,024	221,526
74,759	223,727
79,443	220,519
83,379	220,007
87,929	215,707
91,040	214,854
97,138	216,118
101,093	220,025
106,320	220,256
108,201	221,974
112,028	222,302
119,146	222,646
124,356	221,209
173,598	221,158
190,487	221,237



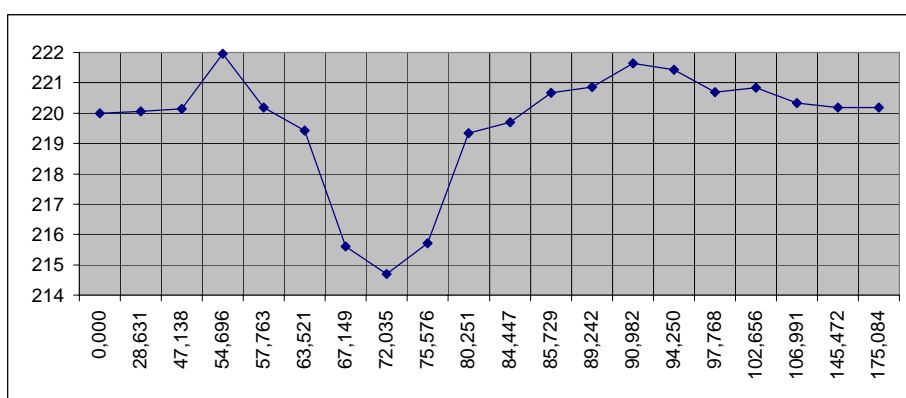
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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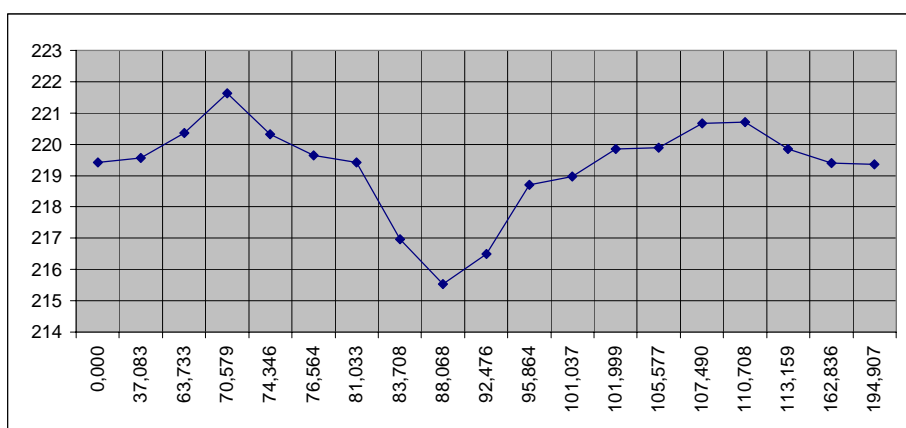
S37 - Prog. 18+500	
0,000	220,739
20,898	220,692
50,188	221,332
53,486	222,758
59,060	220,104
63,144	219,961
66,617	217,718
71,464	215,809
75,324	215,114
79,337	215,576
85,146	219,925
89,066	220,131
90,470	221,433
93,957	221,339
95,734	222,102
98,828	221,820
100,490	221,202
115,299	220,691
160,011	220,681
176,273	220,559



Prog. 18+750	
0,000	220,003
28,631	220,056
47,138	220,151
54,696	221,951
57,763	220,182
63,521	219,431
67,149	215,613
72,035	214,692
75,576	215,714
80,251	219,337
84,447	219,706
85,729	220,677
89,242	220,870
90,982	221,651
94,250	221,421
97,768	220,701
102,656	220,842
106,991	220,334
145,472	220,186
175,084	220,192



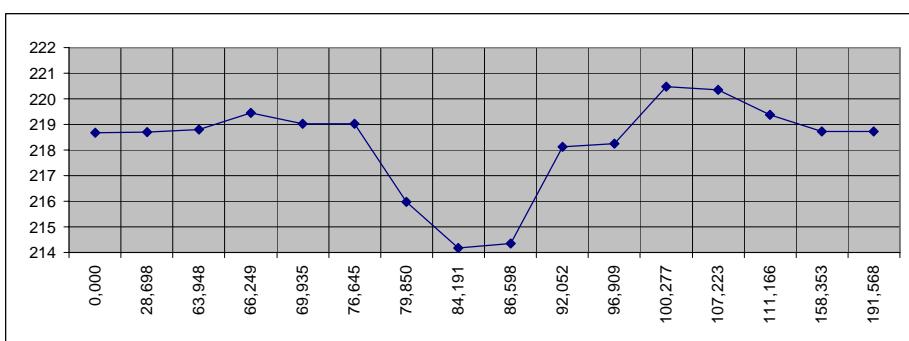
S38 - Prog. 19+000	
0,000	219,421
37,083	219,573
63,733	220,366
70,579	221,638
74,346	220,312
76,564	219,649
81,033	219,426
83,708	216,961
88,068	215,527
92,476	216,500
95,864	218,707
101,037	218,964
101,999	219,851
105,577	219,886
107,490	220,674
110,708	220,709
113,159	219,840
162,836	219,397
194,907	219,359



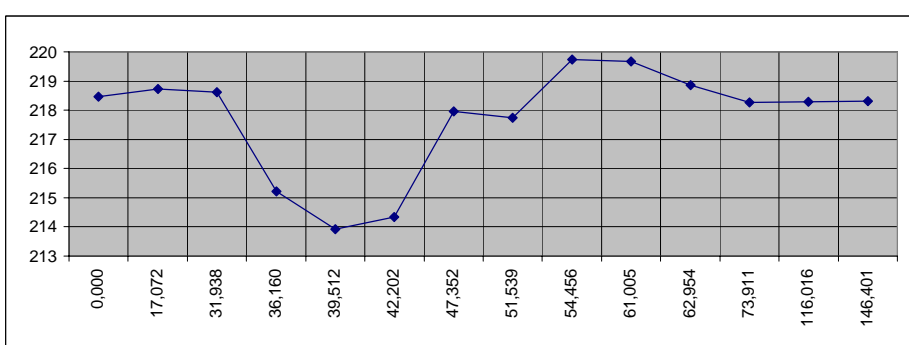
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

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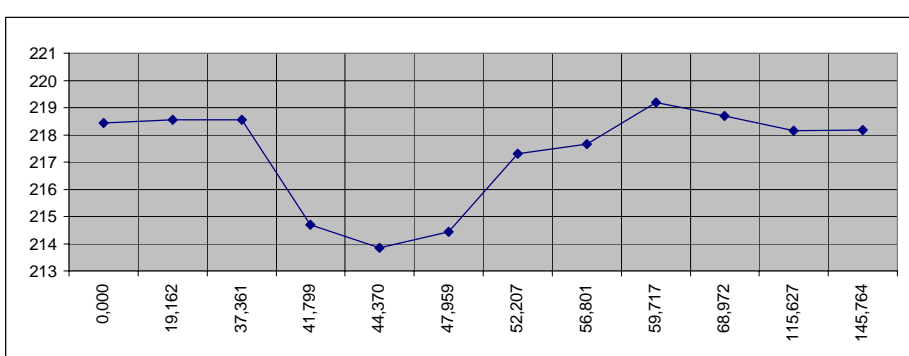
Prog. 19+250	
0,000	218,663
28,698	218,699
63,948	218,812
66,249	219,447
69,935	219,014
76,645	219,037
79,850	215,966
84,191	214,185
86,598	214,355
92,052	218,135
96,909	218,238
100,277	220,468
107,223	220,343
111,166	219,371
158,353	218,736
191,568	218,728



S39 - Prog. 19+500	
0,000	218,459
17,072	218,723
31,938	218,616
36,160	215,212
39,512	213,912
42,202	214,328
47,352	217,957
51,539	217,744
54,456	219,727
61,005	219,662
62,954	218,852
73,911	218,258
116,016	218,279
146,401	218,313

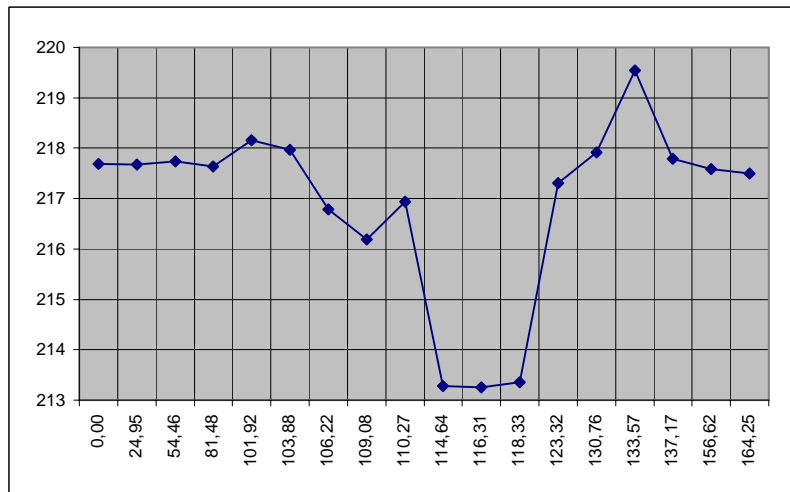


Prog. 19+750	
0,000	218,443
19,162	218,548
37,361	218,543
41,799	214,695
44,370	213,846
47,959	214,431
52,207	217,308
56,801	217,650
59,717	219,195
68,972	218,697
115,627	218,163
145,764	218,178

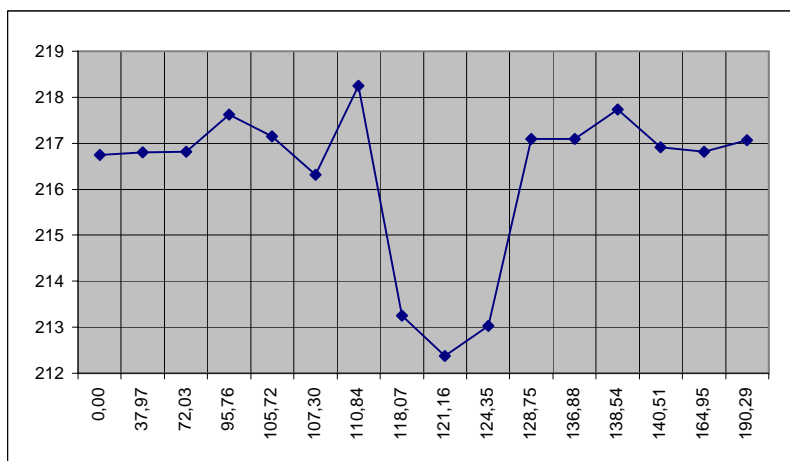


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

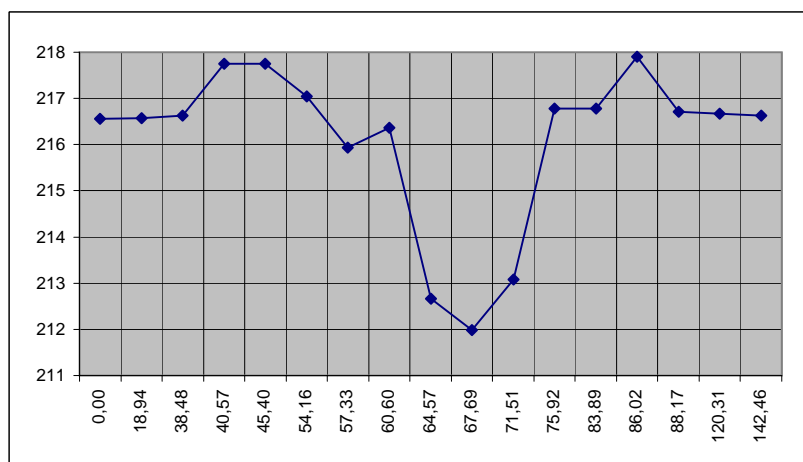
S41 - Prog. 20+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	217,68
2	24,95	217,67
3	54,46	217,74
4	81,48	217,64
5	101,92	218,16
6	103,88	217,97
7	106,22	216,79
8	109,08	216,19
9	110,27	216,93
10	114,64	213,28
11(eje)	116,31	213,25
12	118,33	213,35
13	123,32	217,31
14	130,76	217,92
15	133,57	219,54
16	137,17	217,79
17	156,62	217,59
18	164,25	217,50



S42 - Prog. 21+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	216,74
2	37,97	216,80
3	72,03	216,81
4	95,76	217,63
5	105,72	217,15
6	107,30	216,32
7	110,84	218,25
8	118,07	213,25
9(eje)	121,16	212,37
10	124,35	213,03
11	128,75	217,09
12	136,88	217,09
13	138,54	217,73
14	140,51	216,91
15	164,95	216,81
16	190,29	217,06

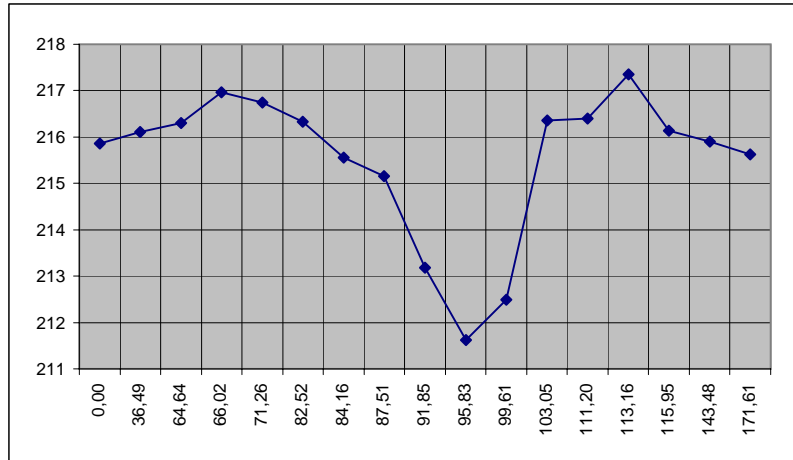


S43 - Prog. 21+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	216,57
2	18,94	216,58
3	38,48	216,63
4	40,57	217,75
5	45,40	217,76
6	54,16	217,05
7	57,33	215,94
8	60,60	216,36
9	64,57	212,67
10(eje)	67,69	211,99
11	71,51	213,09
12	75,92	216,78
13	83,89	216,79
14	86,02	217,91
15	88,17	216,72
16	120,31	216,67
17	142,46	216,63

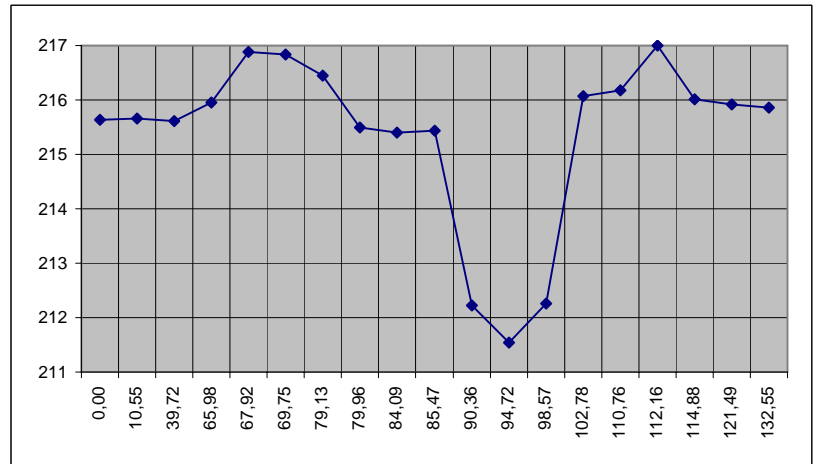


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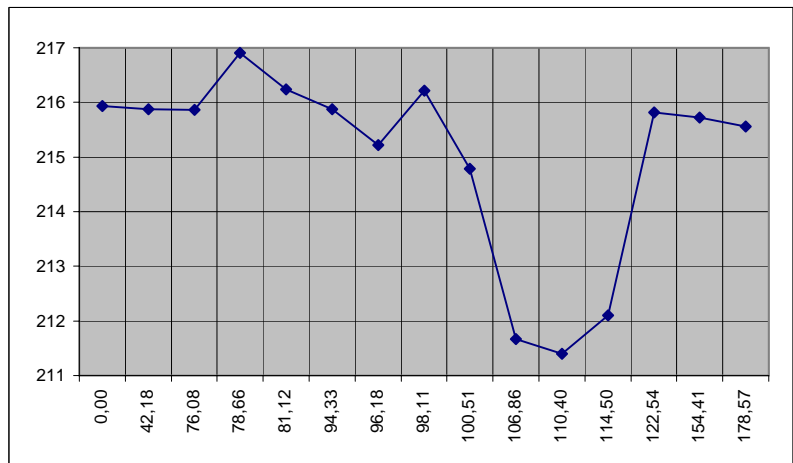
S44 - Prog. 22+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,87
2	36,49	216,11
3	64,64	216,31
4	66,02	216,97
5	71,26	216,75
6	82,52	216,34
7	84,16	215,56
8	87,51	215,15
9	91,85	213,18
10(eje)	95,83	211,63
11	99,61	212,50
12	103,05	216,36
13	111,20	216,40
14	113,16	217,35
15	115,95	216,14
16	143,48	215,90
17	171,61	215,63



S45 - Prog. 22+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,63
2	10,55	215,66
3	39,72	215,61
4	65,98	215,95
5	67,92	216,88
6	69,75	216,83
7	79,13	216,45
8	79,96	215,49
9	84,09	215,40
10	85,47	215,44
11	90,36	212,22
12(eje)	94,72	211,54
13	98,57	212,26
14	102,78	216,07
15	110,76	216,17
16	112,16	217,00
17	114,88	216,01
18	121,49	215,92
19	132,55	215,86

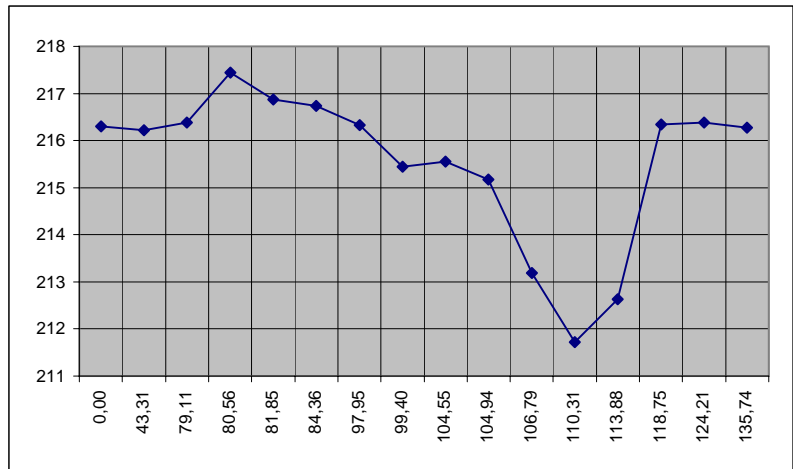


S46 - Prog. 23+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,93
2	42,18	215,88
3	76,08	215,86
4	78,66	216,91
5	81,12	216,24
6	94,33	215,88
7	96,18	215,22
8	98,11	216,22
9	100,51	214,79
10	106,86	211,67
11(eje)	110,40	211,40
12	114,50	212,10
13	122,54	215,82
14	154,41	215,72
15	178,57	215,56

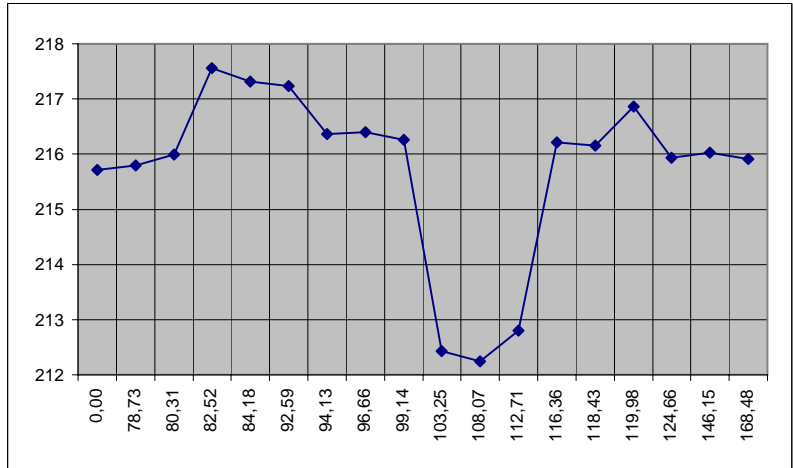


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

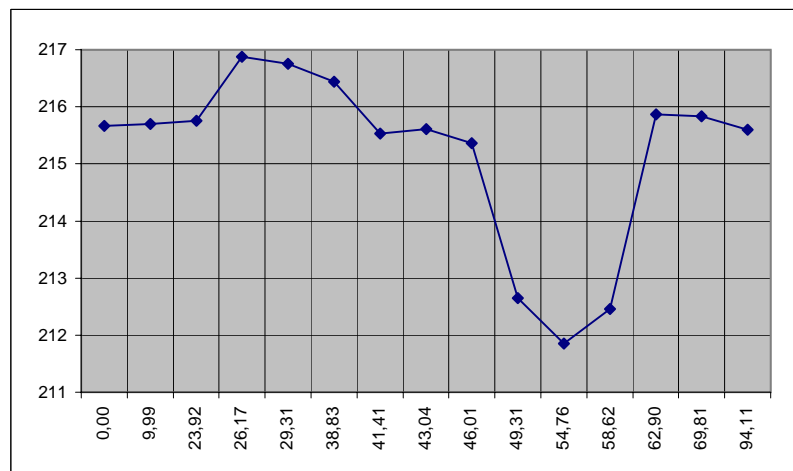
S47 - Prog. 23+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	216,30
2	43,31	216,22
3	79,11	216,39
4	80,56	217,44
5	81,85	216,87
6	84,36	216,74
7	97,95	216,33
8	99,40	215,45
9	104,55	215,56
10	104,94	215,17
11	106,79	213,19
12(eje)	110,31	211,73
13	113,88	212,64
14	118,75	216,34
15	124,21	216,39
16	135,74	216,28



S48 - rog. 24+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,72
2	78,73	215,80
3	80,31	216,00
4	82,52	217,56
5	84,18	217,32
6	92,59	217,24
7	94,13	216,37
8	96,66	216,40
9	99,14	216,26
10	103,25	212,44
11(eje)	108,07	212,25
12	112,71	212,80
13	116,36	216,22
14	118,43	216,16
15	119,98	216,87
16	124,66	216,87
17	146,15	216,03
18	168,48	215,92

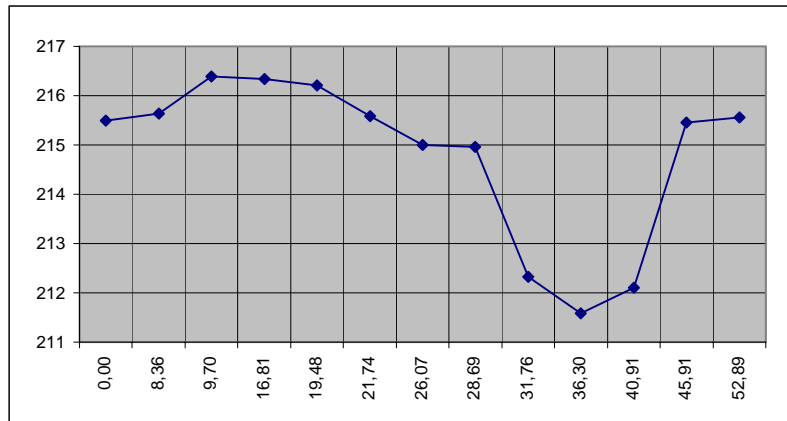


S49 - Prog. 24+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,67
2	9,99	215,70
3	23,92	215,76
4	26,17	216,88
5	29,31	216,76
6	38,83	216,44
7	41,41	215,53
8	43,04	215,61
9	46,01	215,37
10	49,31	212,65
11(eje)	54,76	211,85
12	58,62	212,46
13	62,90	215,87
14	69,81	215,84
15	94,11	215,60

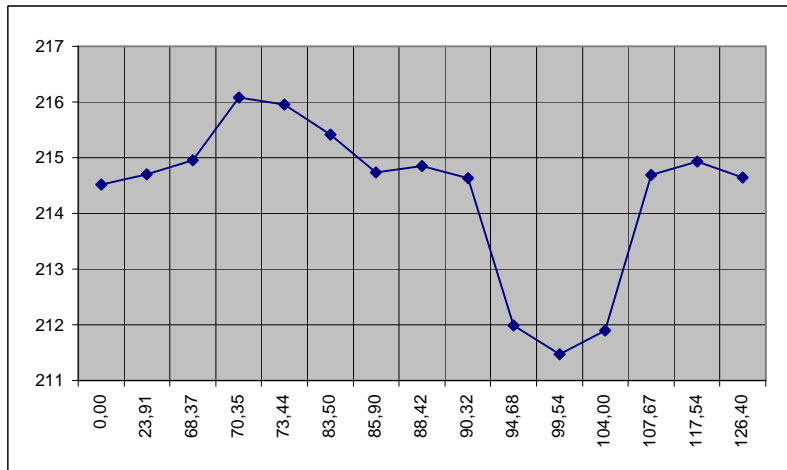


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S50 - Prog. 25+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,50
2	8,36	215,64
3	9,70	216,39
4	16,81	216,34
5	19,48	216,21
6	21,74	215,58
7	26,07	215,00
8	28,69	214,96
9	31,76	212,32
10(eje)	36,30	211,58
11	40,91	212,10
12	45,91	215,45
13	52,89	215,56

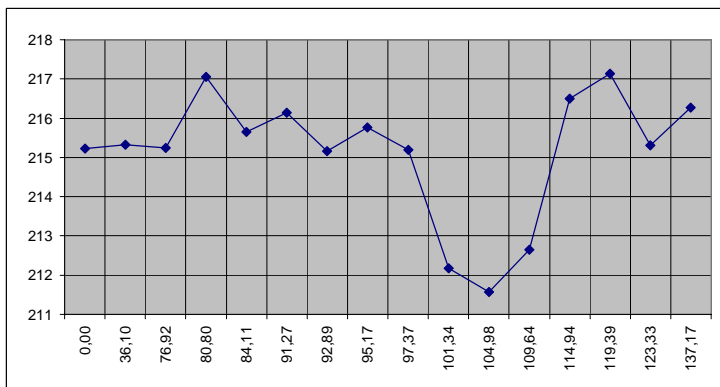


S51 - Prog. 25+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	214,51
2	23,91	214,70
3	68,37	214,95
4	70,35	216,08
5	73,44	215,95
6	83,50	215,41
7	85,90	214,73
8	88,42	214,86
9	90,32	214,63
10	94,68	211,99
11(eje)	99,54	211,47
12	104,00	211,89
13	107,67	214,69
14	117,54	214,93
15	126,40	214,64

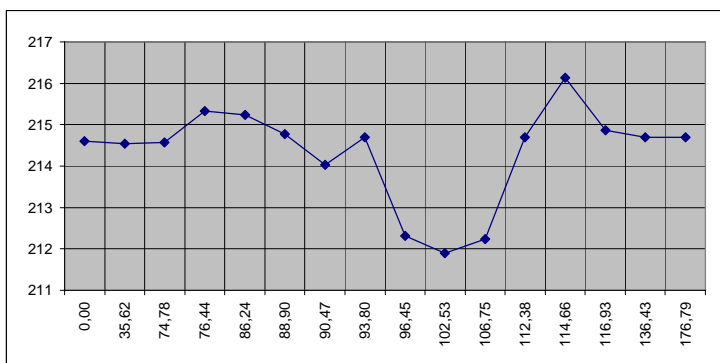


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

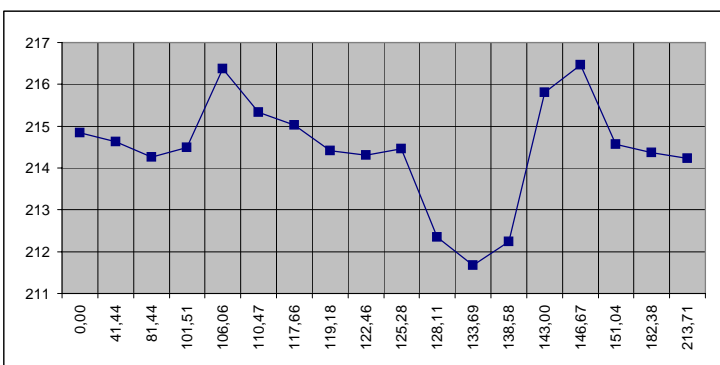
S52 - Prog. 26+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	215,23
2	36,10	215,32
3	76,92	215,25
4	80,80	217,05
5	84,11	215,65
6	91,27	216,14
7	92,89	215,16
8	95,17	215,77
9	97,37	215,19
10	101,34	212,18
11(eje)	104,98	211,58
12	109,64	212,65
13	114,94	216,50
14	119,39	217,14
15	123,33	215,31
16	137,17	216,27



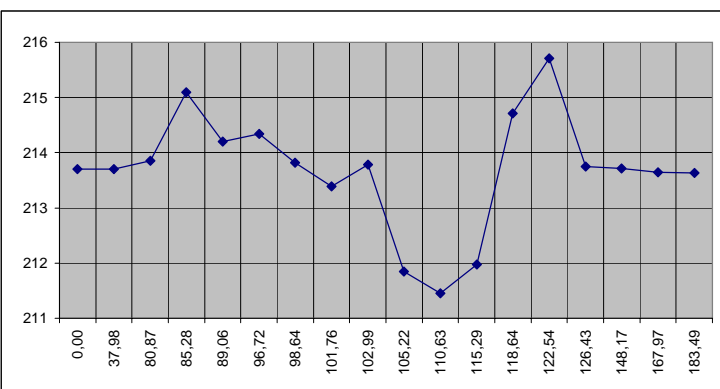
S53 - Prog. 26+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	214,60
2	35,62	214,54
3	74,78	214,57
4	76,44	215,33
5	86,24	215,23
6	88,90	214,77
7	90,47	214,03
8	93,80	214,69
9	96,45	212,32
10(eje)	102,53	211,90
11	106,75	212,24
12	112,38	214,69
13	114,66	216,13
14	116,93	214,87
15	136,43	214,70
16	176,79	214,69



S54 - Prog. 27+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	214,84
2	41,44	214,63
3	81,44	214,26
4	101,51	214,50
5	106,06	216,37
6	110,47	215,33
7	117,66	215,03
8	119,18	214,41
9	122,46	214,31
10	125,28	214,46
11	128,11	212,35
12(eje)	133,69	211,67
13	138,58	212,24
14	143,00	215,81
15	146,67	216,47
16	151,04	214,57
17	182,38	214,37
18	213,71	214,24

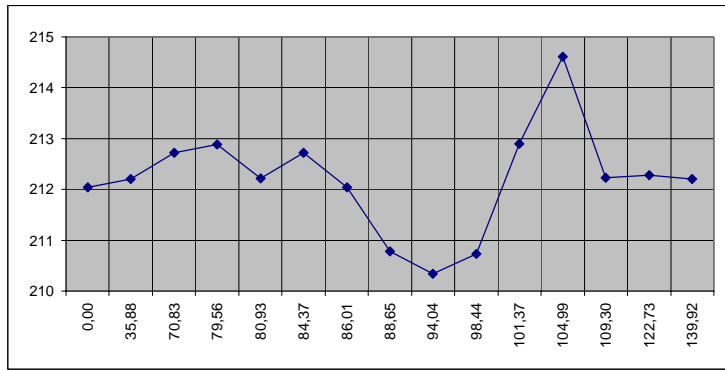


S55 - Prog. 27+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	213,71
2	37,98	213,71
3	80,87	213,86
4	85,28	215,10
5	89,06	214,21
6	96,72	214,35
7	98,64	213,82
8	101,76	213,39
9	102,99	213,79
10	105,22	211,85
11(eje)	110,63	211,46
12	115,29	211,98
13	118,64	214,72
14	122,54	215,71
15	126,43	213,75
16	148,17	213,72
17	167,97	213,65
18	183,49	213,64

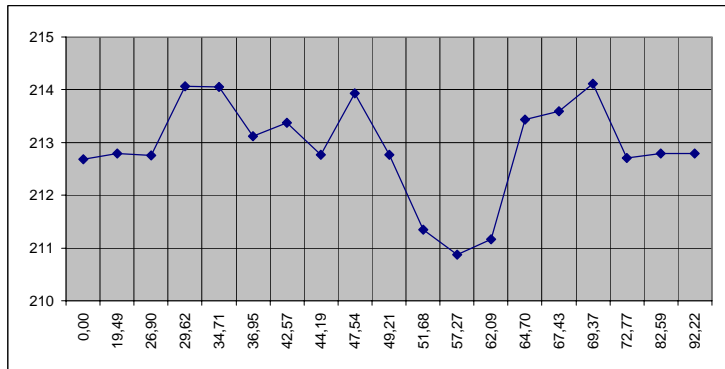


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

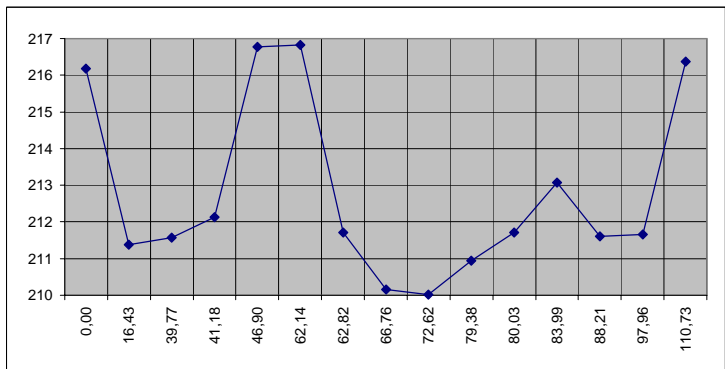
S56 - Prog. 28+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	212,04
2	35,88	212,21
3	70,83	212,72
4	79,56	212,89
5	80,93	212,22
6	84,37	212,72
7	86,01	212,04
8	88,65	210,78
9(eje)	94,04	210,35
10	98,44	210,74
11	101,37	212,90
12	104,99	214,61
13	109,30	212,23
14	122,73	212,29
15	139,92	212,21



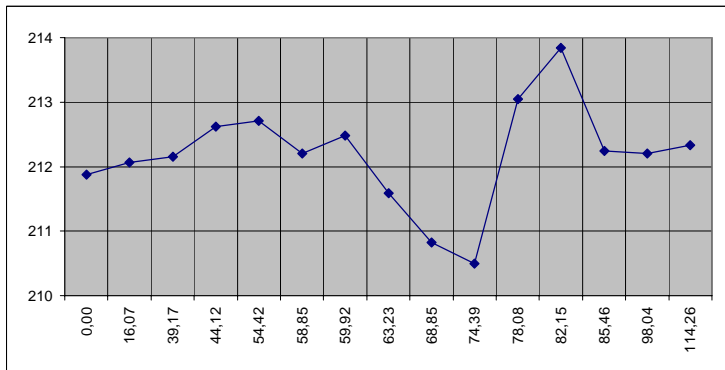
S57 - Prog. 28+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	212,68
2	19,49	212,79
3	26,90	212,76
4	29,62	214,07
5	34,71	214,06
6	36,95	213,12
7	42,57	213,38
8	44,19	212,77
9	47,54	213,93
10	49,21	212,77
11	51,68	211,35
12(eje)	57,27	210,88
13	62,09	211,17
14	64,70	213,44
15	67,43	213,59
16	69,37	214,12
17	72,77	212,71
18	82,59	212,80
19	92,22	212,80



S58 - Prog. 29+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	216,18
2	16,43	211,39
3	39,77	211,58
4	41,18	212,13
5	46,90	216,77
6	62,14	216,83
7	62,82	211,72
8	66,76	210,16
9(eje)	72,62	210,02
10	79,38	210,95
11	80,03	211,72
12	83,99	213,08
13	88,21	211,61
14	97,96	211,66
15	110,73	216,37

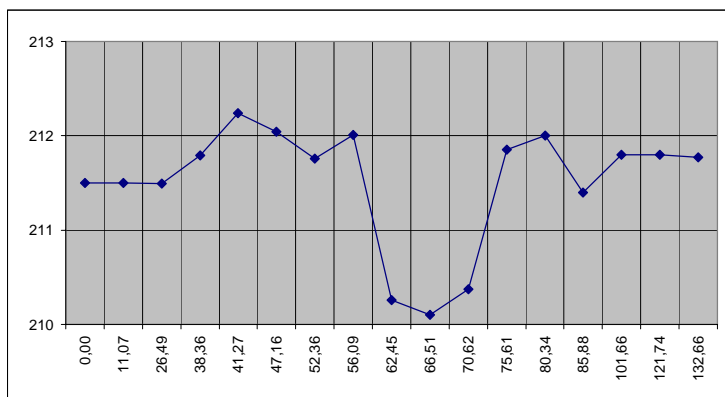


S59 - Prog. 29+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	211,88
2	16,07	212,07
3	39,17	212,15
4	44,12	212,62
5	54,42	212,71
6	58,85	212,20
7	59,92	212,48
8	63,23	211,59
9	68,85	210,82
10(eje)	74,39	210,50
11	78,08	213,05
12	82,15	213,84
13	85,46	212,24
14	98,04	212,20
15	114,26	212,33

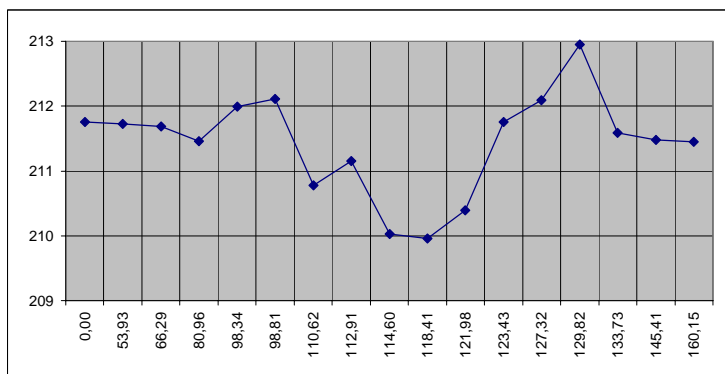


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

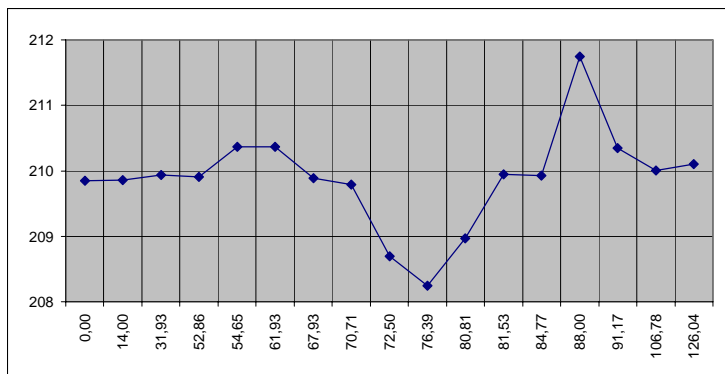
S60 - Prog. 30+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	211,50
2	11,07	211,50
3	26,49	211,49
4	38,36	211,79
5	41,27	212,24
6	47,16	212,04
7	52,36	211,76
8	56,09	212,01
9	62,45	210,26
10(eje)	66,51	210,10
11	70,62	210,37
12	75,61	211,85
13	80,34	212,00
14	85,88	211,40
15	101,66	211,80
16	121,74	211,80
17	132,66	211,77



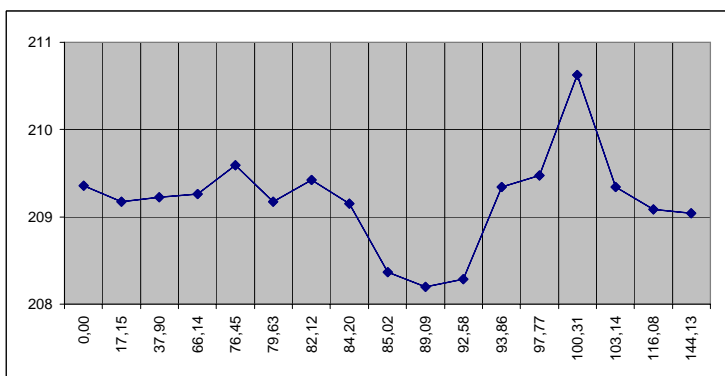
S61 - Prog. 30+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	211,75
2	53,93	211,72
3	66,29	211,69
4	80,96	211,46
5	98,34	211,99
6	98,81	212,11
7	110,62	210,78
8	112,91	211,15
9	114,60	210,03
10(eje)	118,41	209,96
11	121,98	210,39
12	123,43	211,75
13	127,32	212,09
14	129,82	212,95
15	133,73	211,59
16	145,41	211,48
17	160,15	211,45



S62 - Prog. 31+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,84
2	14,00	209,85
3	31,93	209,93
4	52,86	209,90
5	54,65	210,36
6	61,93	210,36
7	67,93	209,89
8	70,71	209,79
9	72,50	208,69
10(eje)	76,39	208,24
11	80,81	208,96
12	81,53	209,94
13	84,77	209,92
14	88,00	211,74
15	91,17	210,34
16	106,78	210,00
17	126,04	210,10

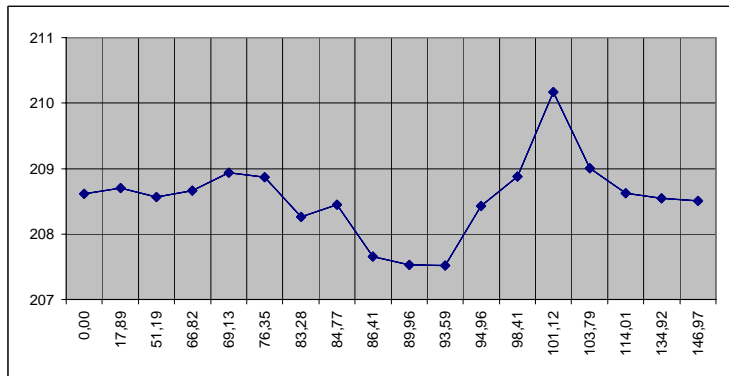


S63 - Prog. 31+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,36
2	17,15	209,18
3	37,90	209,23
4	66,14	209,27
5	76,45	209,60
6	79,63	209,18
7	82,12	209,42
8	84,20	209,16
9	85,02	208,37
10(eje)	89,09	208,20
11	92,58	208,29
12	93,86	209,35
13	97,77	209,48
14	100,31	210,63
15	103,14	209,35
16	116,08	209,09
17	144,13	209,05

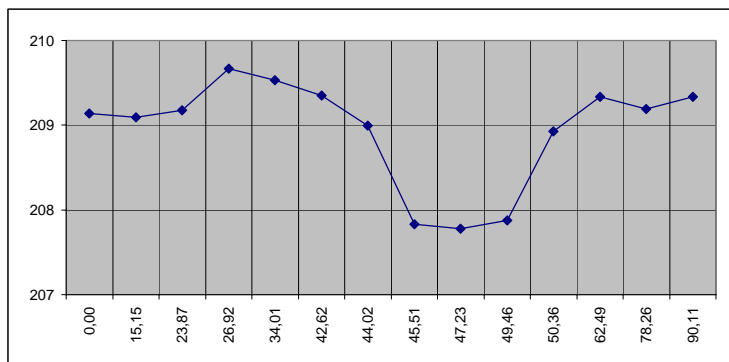


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

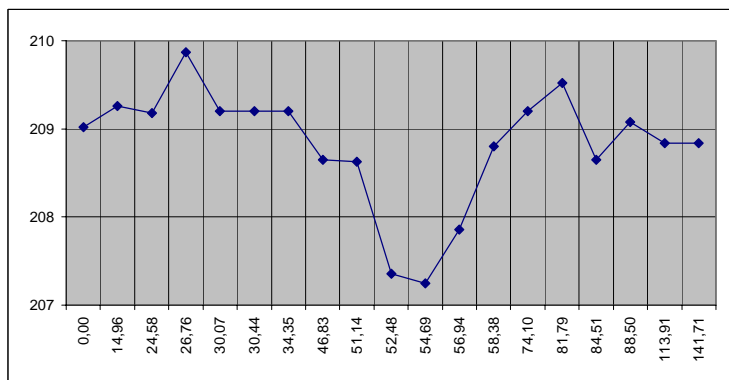
S64 - Prog. 32+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,62
2	17,89	208,71
3	51,19	208,57
4	66,82	208,67
5	69,13	208,94
6	76,35	208,87
7	83,28	208,26
8	84,77	208,45
9	86,41	207,66
10(eje)	89,96	207,53
11	93,59	207,52
12	94,96	208,43
13	98,41	208,88
14	101,12	210,17
15	103,79	209,01
16	114,01	208,63
17	134,92	208,55
18	146,97	208,51



S65 - Prog. 32+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,14
2	15,15	209,10
3	23,87	209,18
4	26,92	209,67
5	34,01	209,54
6	42,62	209,35
7	44,02	209,00
8	45,51	207,84
9(eje)	47,23	207,78
10	49,46	207,88
11	50,36	208,93
12	62,49	209,34
13	78,26	209,20
14	90,11	209,34

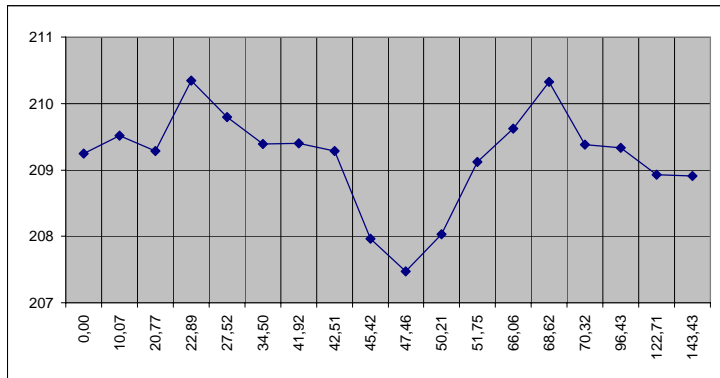


S66 - Prog. 33+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,02
2	14,96	209,26
3	24,58	209,18
4	26,76	209,87
5	30,07	209,20
6	30,44	209,20
7	34,35	209,20
8	46,83	208,65
9	51,14	208,63
10	52,48	207,36
11(eje)	54,69	207,25
12	56,94	207,86
13	58,38	208,80
14	74,10	209,20
15	81,79	209,52
16	84,51	208,65
17	88,50	209,08
18	113,91	208,84
19	141,71	208,84

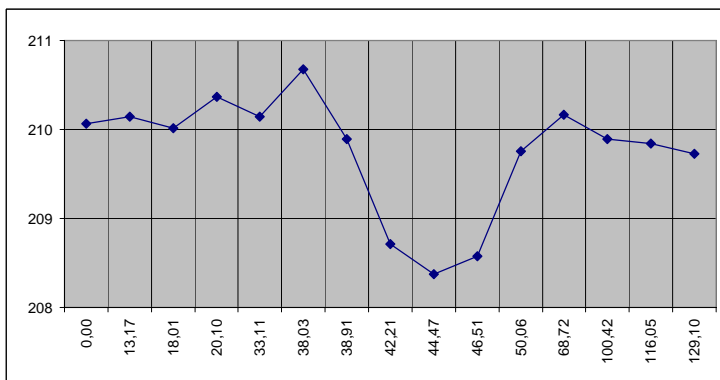


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

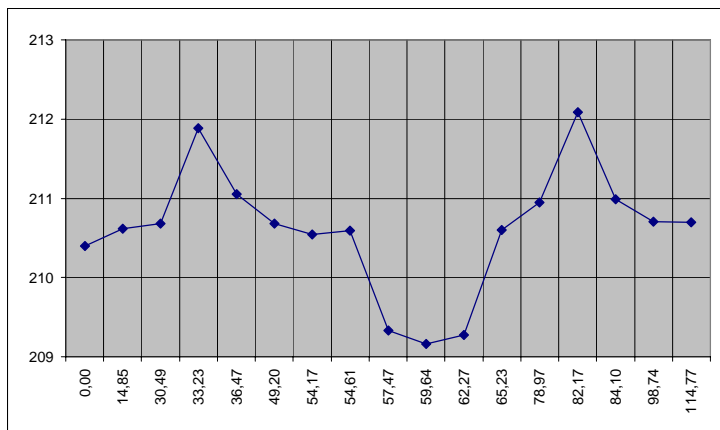
S67 - Prog. 33+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,25
2	10,07	209,52
3	20,77	209,29
4	22,89	210,35
5	27,52	209,80
6	34,50	209,39
7	41,92	209,40
8	42,51	209,29
9	45,42	207,97
10(eje)	47,46	207,47
11	50,21	208,03
12	51,75	209,12
13	66,06	209,62
14	68,62	210,33
15	70,32	209,38
16	96,43	209,33
17	122,71	208,93
18	143,43	208,91



S68 - Prog. 34+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	210,06
2	13,17	210,14
3	18,01	210,01
4	20,10	210,36
5	33,11	210,14
6	38,03	210,67
7	38,91	209,89
8	42,21	208,71
9(eje)	44,47	208,37
10	46,51	208,57
11	50,06	209,75
12	68,72	210,16
13	100,42	209,89
14	116,05	209,84
15	129,10	209,72

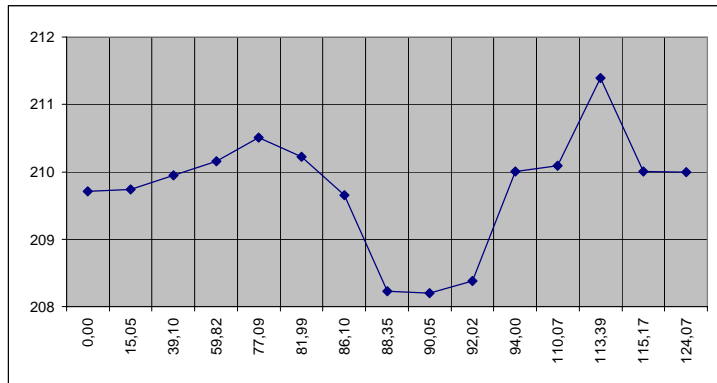


S69 - og. 34+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	210,39
2	14,85	210,61
3	30,49	210,68
4	33,23	211,88
5	36,47	211,05
6	49,20	210,68
7	54,17	210,55
8	54,61	210,59
9	57,47	209,33
10(eje)	59,64	209,16
11	62,27	209,27
12	65,23	210,60
13	78,97	210,94
14	82,17	212,08
15	84,10	210,98
16	98,74	210,70
17	114,77	210,69

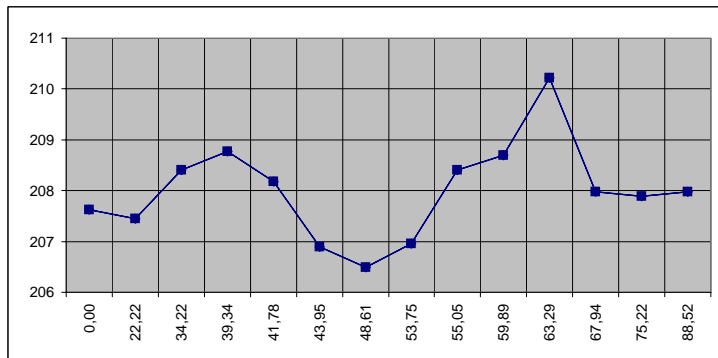


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

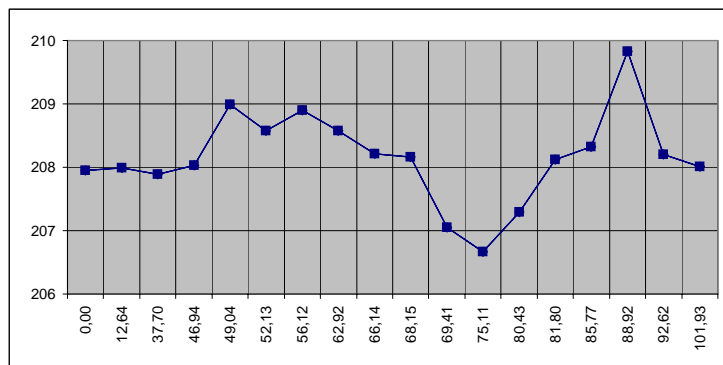
S70 - Prog. 35+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	209,71
2	15,05	209,73
3	39,10	209,94
4	59,82	210,15
5	77,09	210,50
6	81,99	210,22
7	86,10	209,65
8	88,35	208,22
9(eje)	90,05	208,20
10	92,02	208,38
11	94,00	210,00
12	110,07	210,09
13	113,39	211,39
14	115,17	210,00
15	124,07	209,99



S71 - Prog. 35+500		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	207,62
2	22,22	207,45
3	34,22	208,41
4	39,34	208,77
5	41,78	208,18
6	43,95	206,89
7(eje)	48,61	206,49
8	53,75	206,96
9	55,05	208,41
10	59,89	208,70
11	63,29	210,22
12	67,94	207,98
13	75,22	207,89
14	88,52	207,98

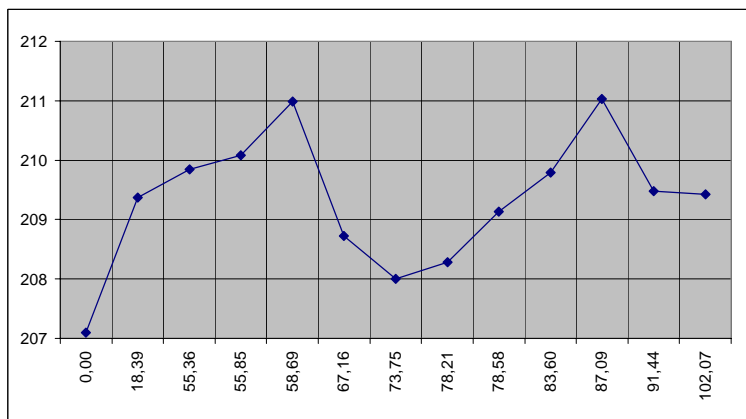


S72 - Prog. 36+000		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	207,95
2	12,64	207,99
3	37,70	207,88
4	46,94	208,03
5	49,04	208,99
6	52,13	208,57
7	56,12	208,90
8	62,92	208,57
9	66,14	208,21
10	68,15	208,16
11	69,41	207,05
12(eje)	75,11	206,66
13	80,43	207,29
14	81,80	208,12
15	85,77	208,32
16	88,92	209,82
17	92,62	208,20
18	101,93	208,01

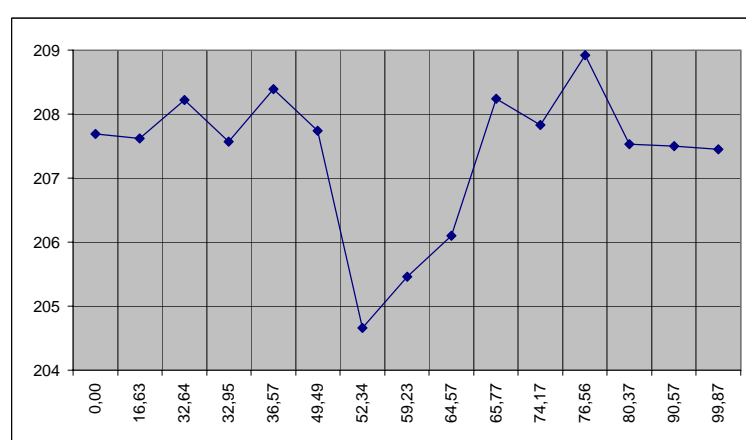


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

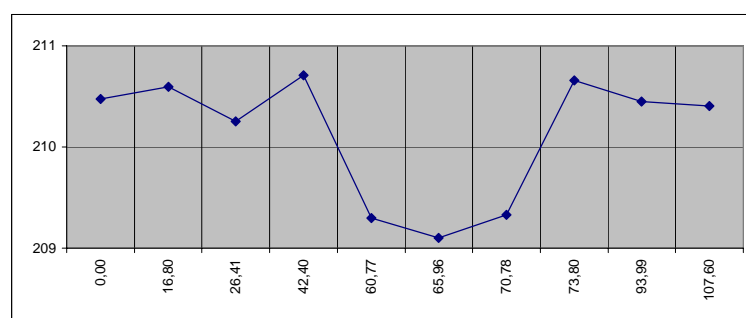
S73 - Prog. 37+000		604458,495 / 7465996,223
N°	DISTANCIA ACUMULADA	COTA
1	0,00	207,09
2	18,39	209,38
3	55,36	209,85
4	55,85	210,08
5	58,69	210,99
6	67,16	208,72
7(eje)	73,75	208,00
8	78,21	208,28
9	78,58	209,13
10	83,60	209,79
11	87,09	211,03
12	91,44	209,48
13	102,07	209,42



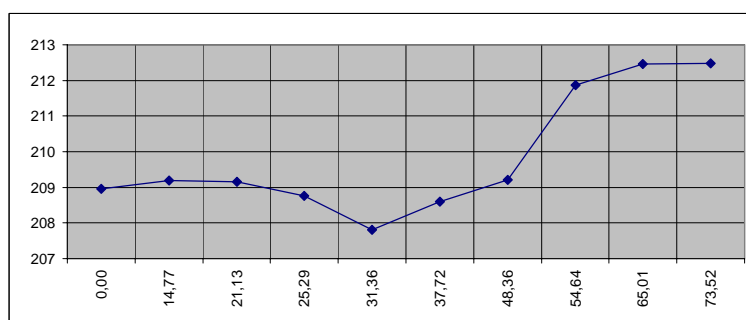
S74 - Prog. 38+000		604533,512 / 7464965,911
N°	DISTANCIA ACUMULADA	COTA
1	0,00	207,69
2	16,63	207,62
3	32,64	208,22
4	32,95	207,57
5	36,57	208,39
6	49,49	207,74
7(eje)	52,34	204,66
8	59,23	205,46
9	64,57	206,10
10	65,77	208,24
11	74,17	207,83
12	76,56	208,92
13	80,37	207,53
14	90,57	207,50
15	99,87	207,45



S75 - S1 Cañada San Antonio		604943,980 / 7464148,424
N°	DISTANCIA ACUMULADA	COTA
1	0,00	210,47
2	16,80	210,60
3	26,41	210,25
4	42,40	210,71
5	60,77	209,30
6(eje)	65,96	209,10
7	70,78	209,33
8	73,80	210,66
9	93,99	210,45
10	107,60	210,41

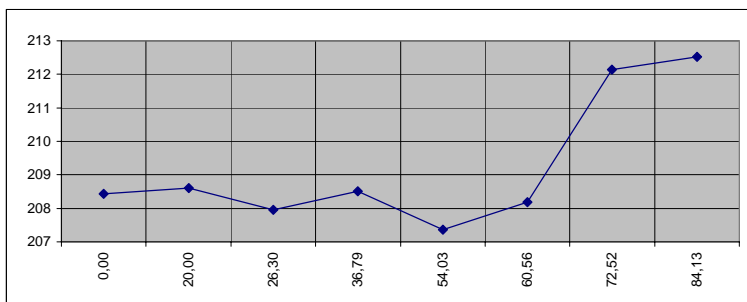


S76 - S2 Cañada San Antonio		604930,367 / 7463555,368
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,97
2	14,77	209,19
3	21,13	209,16
4	25,29	208,76
5(eje)	31,36	207,81
6	37,72	208,60
7	48,36	209,21
8	54,64	211,88
9	65,01	212,46
10	73,52	212,48

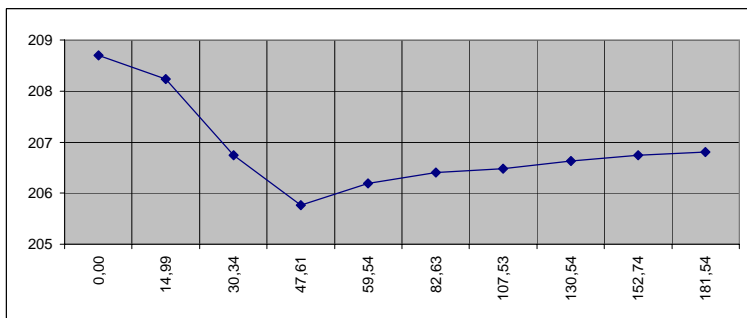


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

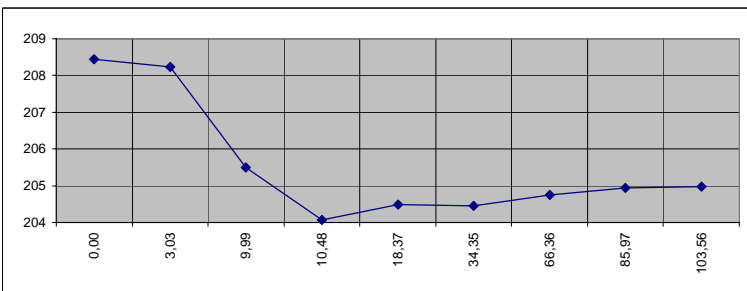
S77 - S3 Cañada San Antonio		604443,702 / 7463817,341
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,43
2	20,00	208,60
3	26,30	207,96
4	36,79	208,51
5(eje)	54,03	207,37
6	60,56	208,18
7	72,52	212,14
8	84,13	212,52



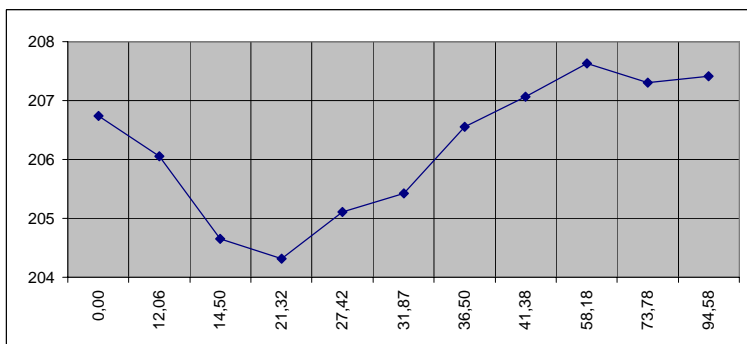
S78 - S4 Cañada San Antonio		604614,303 / 7462805,514
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,69
2	14,99	208,24
3	30,34	206,74
4(eje)	47,61	205,76
5	59,54	206,19
6	82,63	206,40
7	107,53	206,48
8	130,54	206,63
9	152,74	206,74
10	181,54	206,81



S79 - S5 Cañada San Antonio		605130,808 / 7461714,100
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,44
2	3,03	208,23
3	9,99	205,50
4(eje)	10,48	204,07
5	18,37	204,49
6	34,35	204,45
7	66,36	204,74
8	85,97	204,95
9	103,56	204,98

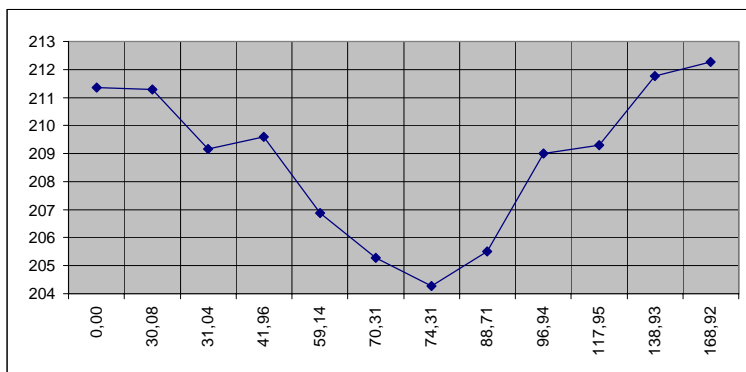


S80 - S6 Cañada San Antonio		604193,393 / 7460869,519
N°	DISTANCIA ACUMULADA	COTA
1	0,00	206,74
2	12,06	206,06
3	14,50	204,65
4(eje)	21,32	204,31
5	27,42	205,11
6	31,87	205,42
7	36,50	206,55
8	41,38	207,06
9	58,18	207,63
10	73,78	207,30
11	94,58	207,41



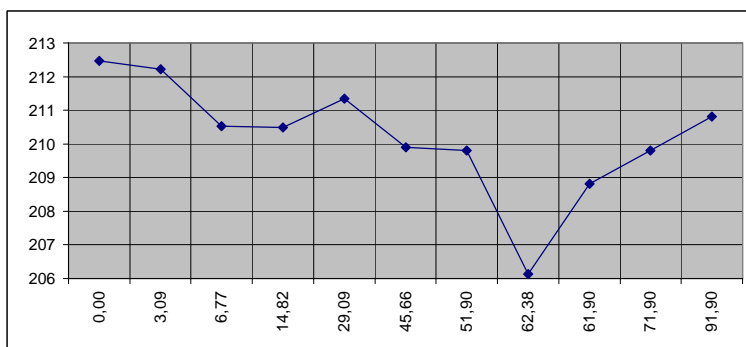
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

S81 - S7 Cañada San Antonio		604088,590 / 7459565,098
N°	DISTANCIA ACUMULADA	COTA
1	0,00	211,366
2	30,08	211,278
3	31,04	209,167
4	41,96	209,600
5	59,14	206,882
6	70,31	205,273
7(eje)	74,31	204,270
8	88,71	205,512
9	96,94	208,992
10	117,95	209,292
11	138,93	211,756
12	168,92	212,274

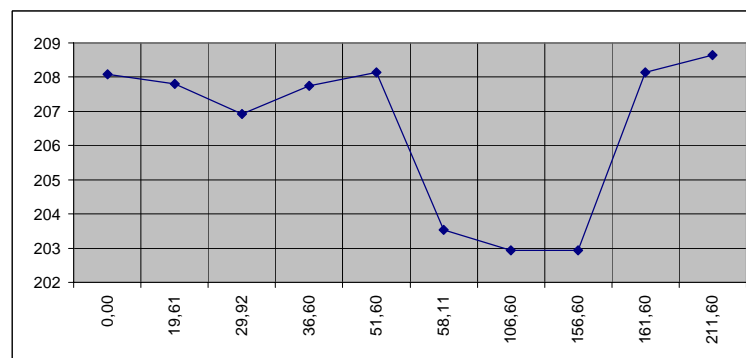


OBS.: CAUCE SAN ANTONIO PROPIEDAD DEL SR. LUGO

S82 - S8 Cañada San Antonio		605156,624 / 7459253,396
N°	DISTANCIA ACUMULADA	COTA
1	0,00	212,46
2	3,09	212,22
3	6,77	210,52
4	14,82	210,48
5	29,09	211,35
6	45,66	209,90
7	51,90	209,81
8(eje)	62,38	206,13
9	61,90	208,81
10	71,90	209,81
11	91,90	210,81

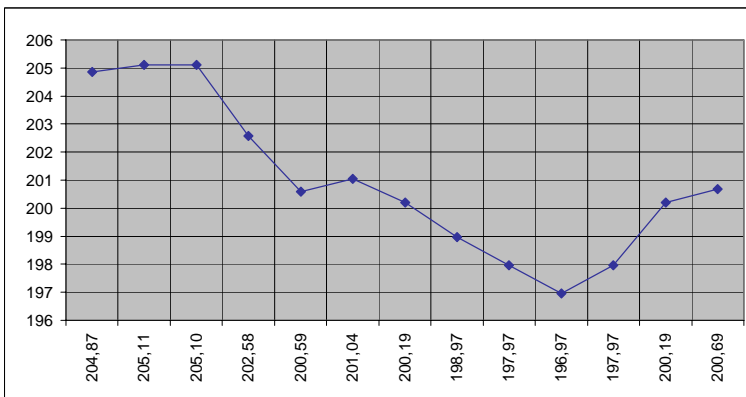


S83 - S9 Cañada San Antonio		604626,089 / 7458046,066
N°	DISTANCIA ACUMULADA	COTA
1	0,00	208,07
2	19,61	207,80
3	29,92	206,92
4	36,60	207,75
5	51,60	208,14
6	58,11	203,53
7(eje)	106,60	202,93
8	156,60	202,93
9	161,60	208,14
10	211,60	208,64



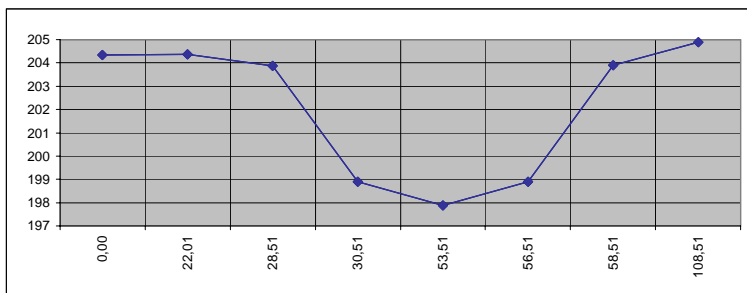
OBS.: RIACHO YACARE

S84 - S10 Cañada San Antonio		605097,269 / 7456898,513
N°	DISTANCIA ACUMULADA	COTA
1	0,00	204,87
2	12,46	205,11
3	14,57	205,10
4	22,68	202,58
5	25,30	200,59
6	46,94	201,04
7	51,94	200,19
8	53,91	198,97
9	54,91	197,97
10	58,21	196,97
11	60,94	197,97
12	68,94	200,19
13	118,54	200,69

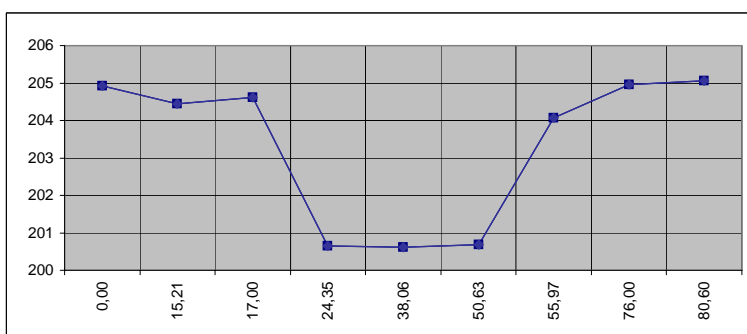


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

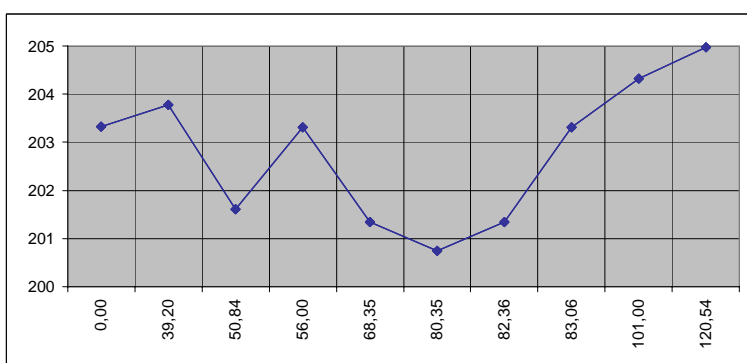
S85- S11 Cañada San Antonio		606440,070 / 7454796,408
N°	DISTANCIA ACUMULADA	COTA
1	0,00	204,35
2	22,01	204,38
3	28,51	203,89
4	30,51	198,89
5(eje)	53,51	197,89
6	56,51	198,89
7	58,51	203,89
8	108,51	204,89



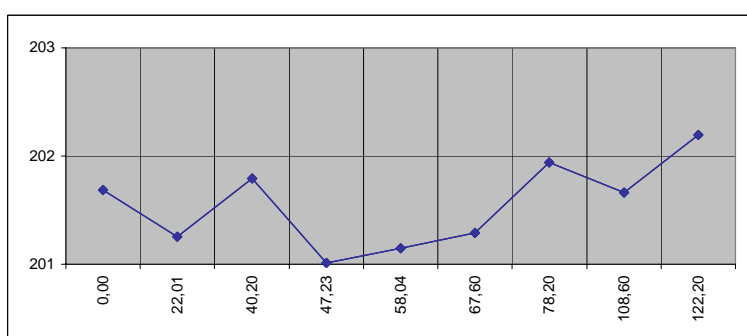
S86- S12 Cañada San Antonio		607683,725 / 7454831,033
N°	DISTANCIA ACUMULADA	COTA
1	0,00	204,93
2	15,21	204,45
3	17,00	204,61
4	24,35	200,65
5(eje)	38,06	200,61
6	50,63	200,68
7	55,97	204,06
8	76,00	204,96
9	80,60	205,06



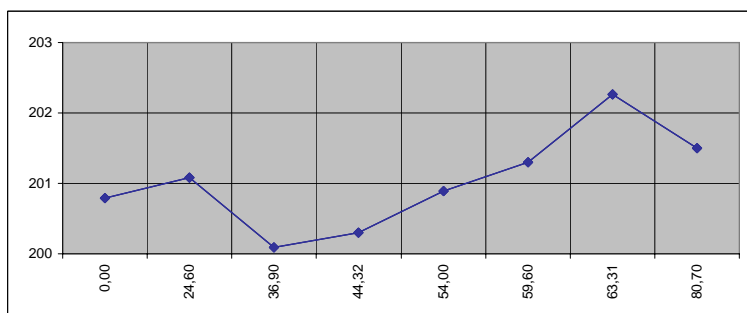
S87 - S13 Cañada San Antonio		609939,774 / 7454832,068
N°	DISTANCIA ACUMULADA	COTA
1	0,00	203,32
2	39,20	203,78
3	50,84	201,61
4	56,00	203,31
5	68,35	201,34
6(eje)	80,35	200,74
7	82,36	201,34
8	83,06	203,31
9	101,00	204,32
10	120,54	204,97



S88 - S14 Cañada San Antonio		611731,618 / 7453771,644
N°	DISTANCIA ACUMULADA	COTA
1	0,00	201,68
2	22,01	201,25
3	40,20	201,79
4	47,23	201,01
5(eje)	58,04	201,15
6	67,60	201,29
7	78,20	201,94
8	108,60	201,66
9	122,20	202,193



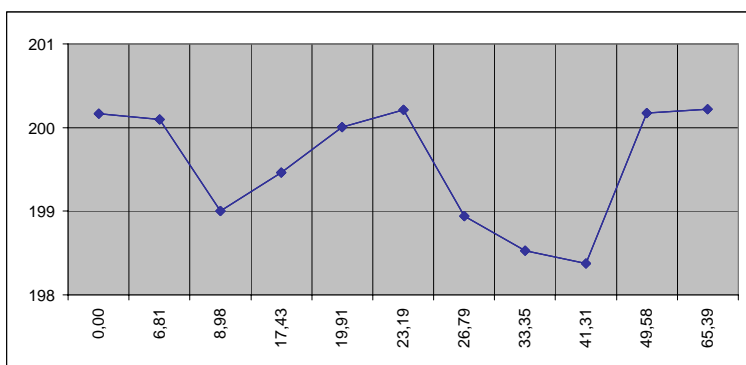
S89 - S15 Cañada San Antonio		613200,085 / 7452340,142
N°	DISTANCIA ACUMULADA	COTA
1	0,00	200,79
2	24,60	201,09
3	36,90	200,09
4(eje)	44,32	200,30
5	54,00	200,89
6	59,60	201,30
7	63,31	202,27
8	80,70	201,50



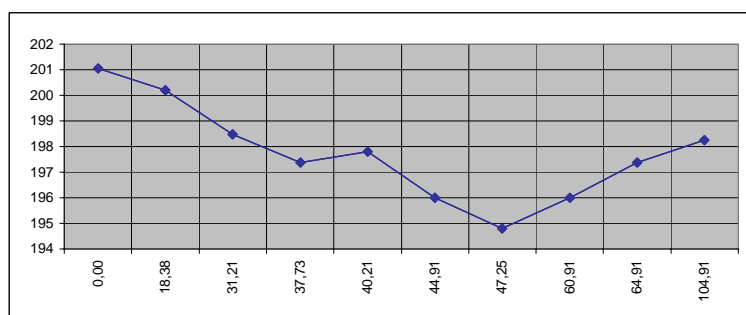
OBS.: MOLINO MISTOLAR

SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

S90 - S16 Cañada San Antonio		615270,180 / 7452312,262
N°	DISTANCIA ACUMULADA	COTA
1	0,00	200,17
2	6,81	200,09
3	8,98	199,01
4	17,43	199,46
5	19,91	200,00
6	23,19	200,21
7	26,79	198,94
8(eje)	33,35	198,53
9	41,31	198,37
10	49,58	200,18
11	65,39	200,22

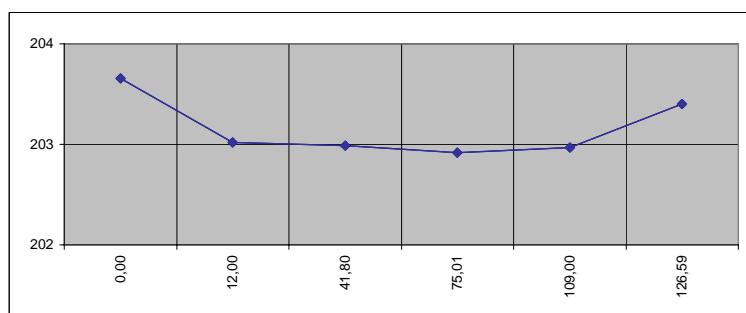


S92 - S18 Cañada San Antonio		620306,804 / 7451118,839
N°	DISTANCIA ACUMULADA	COTA
1	0,00	201,05
2	18,38	200,20
3	31,21	198,47
4	37,73	197,37
5	40,21	197,79
6	44,91	196,00
7(eje)	47,25	194,80
8	60,91	196,00
9	64,91	197,37
10	104,91	198,25



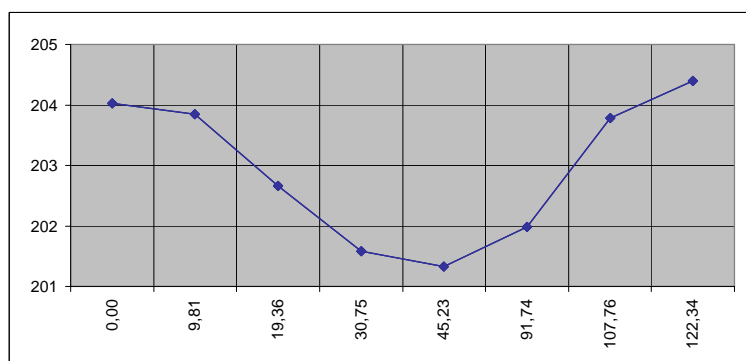
OBS.: PUESTO DE VICTOR MONTES

S94 - S20 Cañada San Antonio		617851,889 / 7456384,437
N°	DISTANCIA ACUMULADA	COTA
1	0,00	203,657
2	12,00	203,019
3	41,80	202,988
4	75,01	202,919
5(eje)	109,00	202,970
6	126,59	203,400



SECCION: CURSO DE AGUA QUE DESEMBOCA EN LA CAÑADA SAN ANTONIO A 5 KM. DEL MOLINO MIS

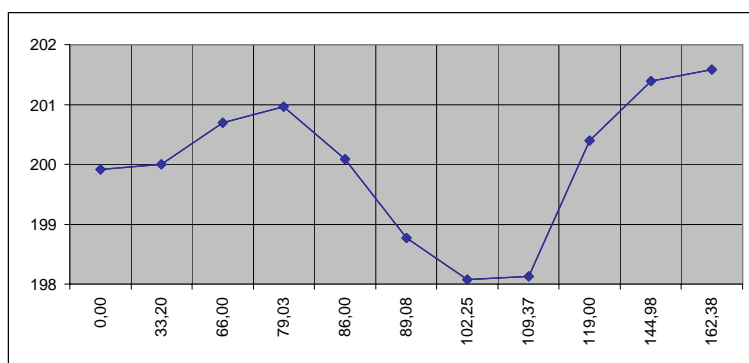
S93 - S19 Cañada San Antonio		618568,219 / 7454625,259
N°	DISTANCIA ACUMULADA	COTA
1	0,00	204,02
2	9,81	203,85
3	19,36	202,66
4	30,75	201,58
5(eje)	45,23	201,33
6	91,74	201,98
7	107,76	203,78
8	122,34	204,40



SECCION: CURSO DE AGUA QUE DESEMBOCA EN LA CAÑADA SAN ANTONIO A 5 KM. DEL MOLINO MISTOLAR AGUAS ABAJO

SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

S91 - S17 Cañada San Antonio		617609,713 / 7451510,498
N°	DISTANCIA ACUMULADA	COTA
1	0,00	199,91
2	33,20	200,00
3	66,00	200,70
4	79,03	200,96
5	86,00	200,09
6	89,08	198,77
7(eje)	102,25	198,08
8	109,37	198,13
9	119,00	200,40
10	144,98	201,39
11	162,38	201,58



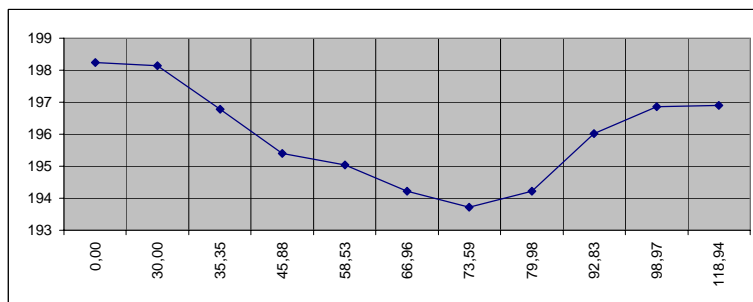
OBS.: SECCION DEL CURSO DE AGUA SECO QUE SE DESEMBOCA EN CAÑADA SAN ANTONIO A 5 KM. DEL MOLINO MISTOLAR AGUAS ABAJO

SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

JUNIO DE 2007

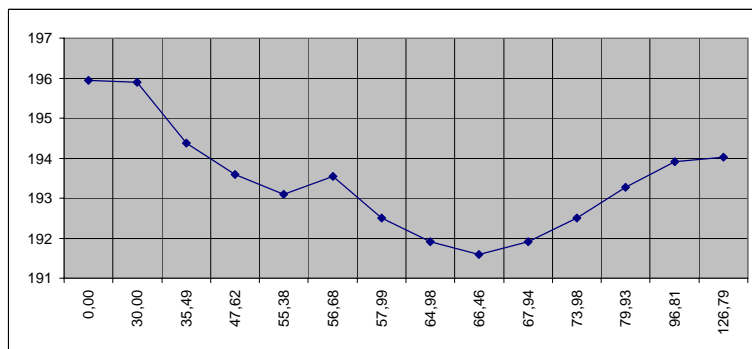
S95 - S1(Retro Custodio Perez) Cañada la Madrid Sur		
X= 627868.000 Y=7447776.489		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	198,24
2	30,00	198,13
3	35,35	196,78
4	45,88	195,40
5	58,53	195,05
6(borde de agua)	66,96	194,22
7(eje de cauce)	73,59	193,72
8(borde de agua)	79,98	194,22
9	92,83	196,01
10	98,97	196,86
11	118,94	196,90

Nota: Puesto Custodio Perez

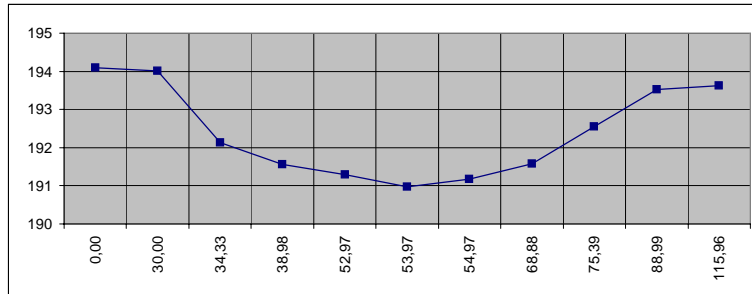


S96 - S2(Prop. Maidana) Cañada la Madrid Sur		
X= 632290.881 Y=7444820.529		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	195,95
2	30,00	195,90
3	35,49	194,38
4	47,62	193,60
5	55,38	193,10
6	56,68	193,54
7(borde de agua)	57,99	192,51
8	64,98	191,91
9(eje de cauce)	66,46	191,60
10	67,94	191,91
11(borde de agua)	73,98	192,51
12	79,93	193,27
13	96,81	193,91
14	126,79	194,02

Nota.: Puesto Maidana



S97 - S3 Cañada la Madrid Sur		
X= 634978.122 Y=7442340.238		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	194,10
2	30,00	194,00
3	34,33	192,13
4(borde de agua)	38,98	191,57
5	52,97	191,30
6(eje de cauce)	53,97	190,97
7	54,97	191,17
8(borde de agua)	68,88	191,57
9	75,39	192,55
10	88,99	193,52
11	115,96	193,62

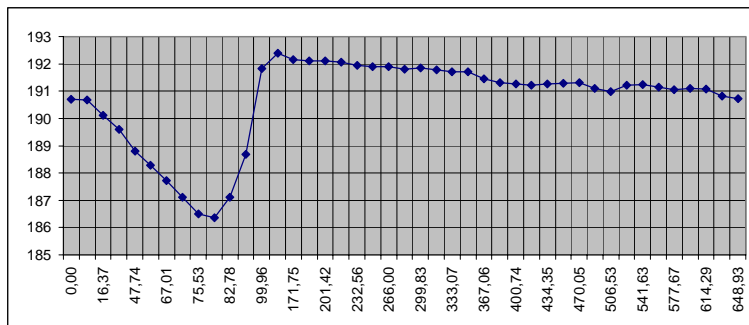


SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

JUNIO DE 2007

SECCION TRASVERSAL AL CAUCE Y PERFIL LONGITUDINAL EN SITIO DEL CASCO DE LA ESTANCIA AGROPIL

S98 - S4 (Casco de Agropil) Cañada la Madrid Sur		
X= 640740.442 Y=7436825.626		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	190,71
2	1,29	190,68
3	16,37	190,11
4	31,96	189,60
5	47,74	188,80
6	61,52	188,28
7	67,01	187,72
8(borde de agua)	70,63	187,11
9	75,53	186,50
10(eje de cuace)	79,99	186,37
11(borde de agua)	82,78	187,11
12	91,74	188,69
13	99,96	191,83
14	121,64	192,39
15	171,75	192,15
16	185,58	192,10
17	201,42	192,10
18	217,12	192,07
19	232,56	191,93
20	249,22	191,91
21	266,00	191,91
22	283,35	191,80
23	299,83	191,85
24	316,54	191,78
25	333,07	191,70
26	350,02	191,71
27	367,06	191,46
28	383,91	191,31
29	400,74	191,26
30	417,41	191,23
31	434,35	191,26
32	452,01	191,30
33	470,05	191,31
34	488,71	191,10
35	506,53	190,98
36	523,87	191,21
37	541,63	191,25
38	559,64	191,14
39	577,67	191,06
40	595,83	191,11
41	614,29	191,07
42	633,58	190,81
43	648,93	190,73



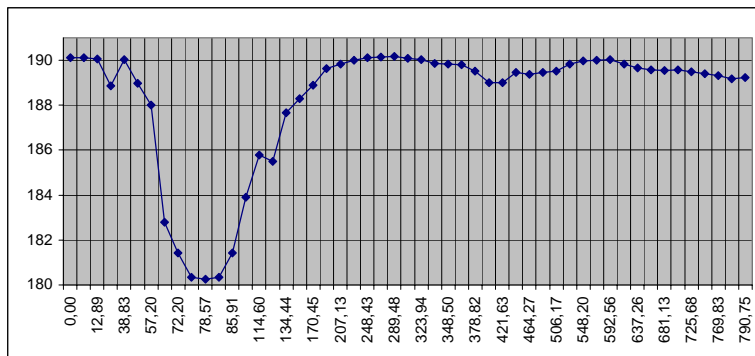
Nota: Establecimiento Agropil

SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

JUNIO DE 2007

SECCION TRASVERSAL AL CAUCE Y PERFIL LONGITUDINAL EN EL RETIRO PUESTO CENTURION

S99 - S5(Retiro Centurión) Cañada la Madrid Sur		
X= 645502.195 Y=7429129.315		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	190,11
2	0,11	190,13
3	12,89	190,05
4	19,92	188,85
5	38,83	190,04
6	49,36	188,98
7	57,20	188,02
8	66,94	182,80
9(borde de agua)	72,20	181,44
10	77,17	180,35
11(eje de cauce)	78,57	180,25
12	80,06	180,35
13(borde de agua)	85,91	181,44
14	92,64	183,91
15	114,60	185,77
16	132,12	185,49
17	134,44	187,66
18	152,16	188,31
19	170,45	188,89
20	187,44	189,63
21	207,13	189,82
22	228,07	190,01
23	248,43	190,13
24	269,18	190,15
25	289,48	190,17
26	305,33	190,09
27	323,94	190,03
28	343,63	189,86
29	348,50	189,84
30	357,68	189,80
31	378,82	189,51
32	400,18	189,01
33	421,63	189,00
34	442,97	189,47
35	464,27	189,38
36	485,29	189,47
37	506,17	189,51
38	527,29	189,83
39	548,20	189,98
40	569,66	190,01
41	592,56	190,03
42	615,12	189,84
43	637,26	189,66
44	659,39	189,57
45	681,13	189,56
46	703,25	189,58
47	725,68	189,48
48	747,61	189,40
49	769,83	189,31
50	789,14	189,17
51	790,75	189,23

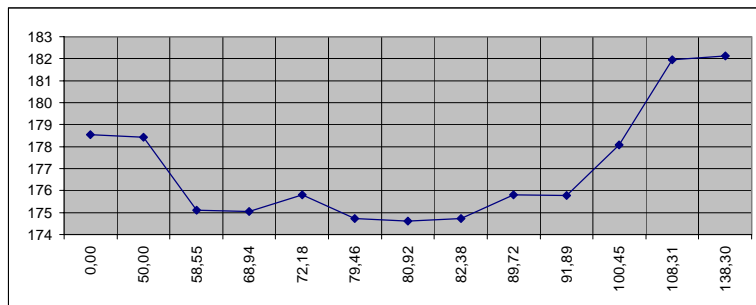


Nota: Retiro Puesto Centurion

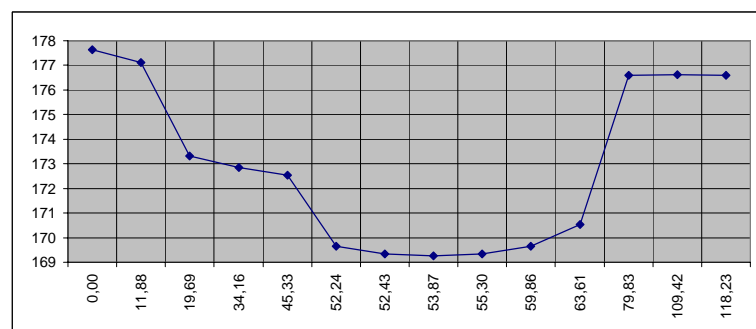
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

JUNIO DE 2007

S100 - S6 Cañada la Madrid Sur		
X= 657925.175 Y=7422663.269		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	178,53
2	50,00	178,42
3	58,55	175,12
4	68,94	175,04
5(borde de agua)	72,18	175,82
6	79,46	174,72
7(eje de cauce)	80,92	174,62
8	82,38	174,72
9(borde de agua)	89,72	175,82
10	91,89	175,77
11	100,45	178,07
12	108,31	181,94
13	138,30	182,13

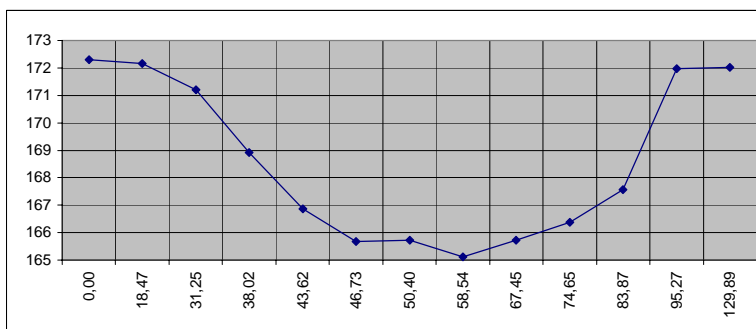


S101 - S7 Cañada la Madrid Sur		
X= 677419.892 Y=7413428.663		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	177,63
2	11,88	177,11
3	19,69	173,32
4	34,16	172,86
5	45,33	172,53
6(borde de agua)	52,24	169,65
7	52,43	169,35
8(eje de cauce)	53,87	169,25
9	55,30	169,35
10(borde de agua)	59,86	169,65
11	63,61	170,53
12	79,83	176,59
13	109,42	176,63
13	118,23	176,60



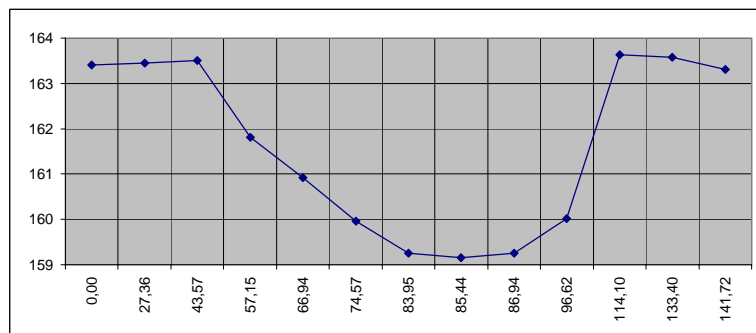
Nota: casa abandonada Retiro Las Ac

S102 - S8 (Escuela de Margariño) Cañada la Madrid Sur		
X= 684447.508 Y=7411159.671		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	172,31
2	18,47	172,16
3	31,25	171,20
4	38,02	168,93
5	43,62	166,86
6	46,73	165,67
7(borde de agua)	50,40	165,72
8(eje de cauce)	58,54	165,12
9(borde de agua)	67,45	165,72
10	74,65	166,38
11	83,87	167,56
12	95,27	171,97
13	129,89	172,03



Nota: Escuela de Margariño

S103 - S9 (Prop. Diaz) Cañada la Madrid Sur		
X= 700119.701 Y=7403149.774		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	163,40
2	27,36	163,45
3	43,57	163,50
4	57,15	161,80
5	66,94	160,91
6	74,57	159,96
7	83,95	159,26
8(eje)	85,44	159,16
9	86,94	159,26
10	96,62	160,02
11	114,10	163,63
12	133,40	163,58
13	141,72	163,31

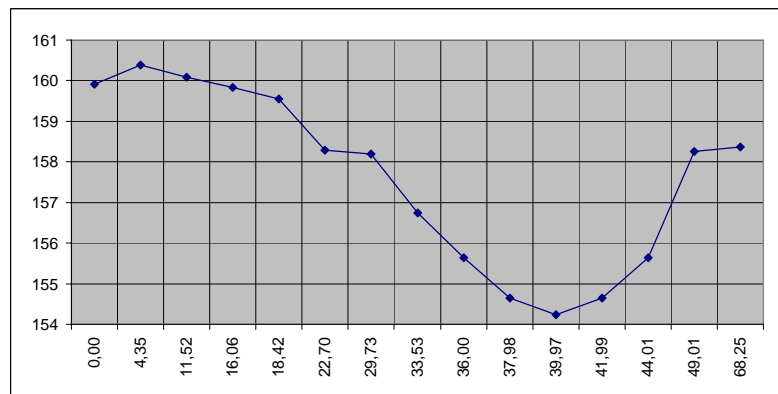


Nota: Pozo Leon-Prop. Sr. Diaz

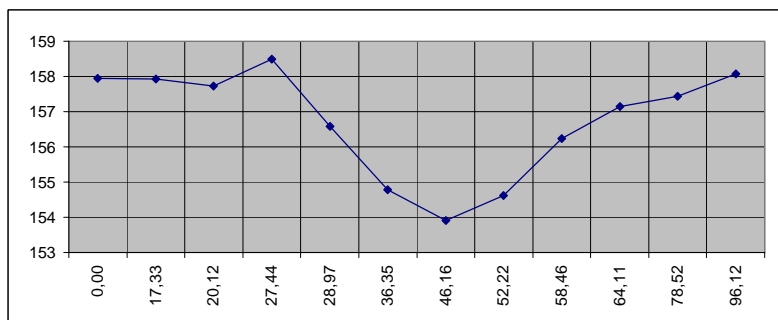
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2006

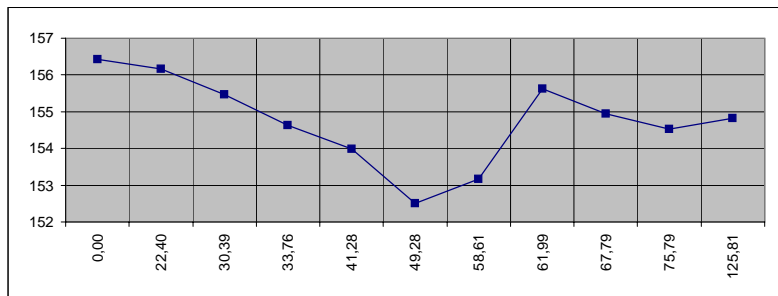
S104 - S1 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	159,91
S-1-b	4,35	160,38
S-1-a	11,52	160,08
2	16,06	159,83
3	18,42	159,54
4	22,70	158,30
5	29,73	158,20
6	33,53	156,74
7	36,00	155,64
8	37,98	154,64
9(eje)	39,97	154,24
10	41,99	154,65
11	44,01	155,64
12	49,01	158,25
13	68,25	158,36



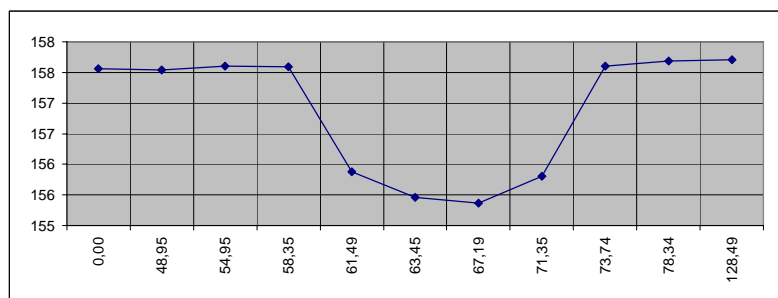
S105 - S2 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	157,95
2	17,33	157,93
S-2-b	20,12	157,72
S-2-a	27,44	158,49
3	28,97	156,57
4	36,35	154,78
5(eje)	46,16	153,91
6	52,22	154,61
7	58,46	156,24
8	64,11	157,15
9	78,52	157,43
10	96,12	158,06



S106 - S3 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	156,43
2	22,40	156,17
S-3-b	30,39	155,46
3	33,76	154,63
S-3-a	41,28	153,99
4(eje)	49,28	152,50
5	58,61	153,17
6	61,99	155,63
7	67,79	154,95
8	75,79	154,53
9	125,81	154,83



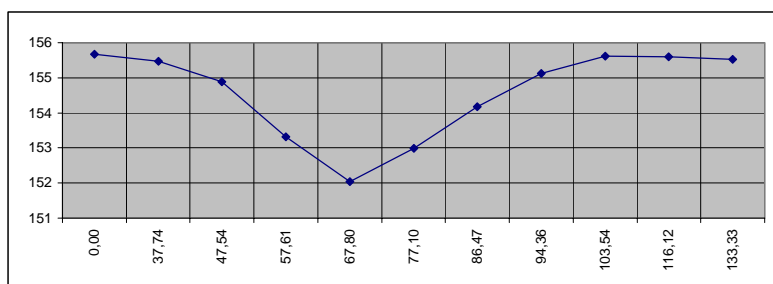
S107 - S4 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	157,56
2	48,95	157,54
2	54,95	157,60
S-4-b	58,35	157,59
3	61,49	155,87
S-4-a	63,45	155,46
4(eje)	67,19	155,36
5	71,35	155,81
6	73,74	157,60
7	78,34	157,69
8	128,49	157,71



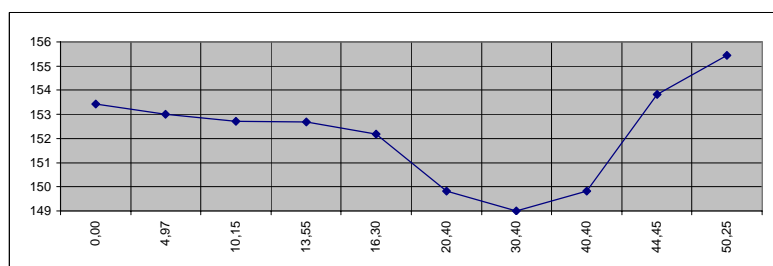
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2006

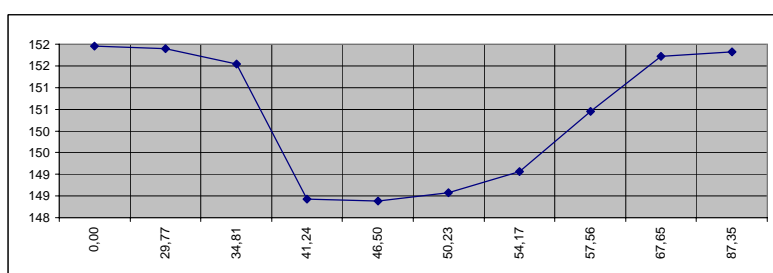
S108 - S5 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	155,67
2	37,74	155,47
3	47,54	154,89
4	57,61	153,32
4(eje)	67,80	152,05
5	77,10	153,00
S-5-a	86,47	154,17
6	94,36	155,13
S-5-b	103,54	155,62
7	116,12	155,60
8	133,33	155,52



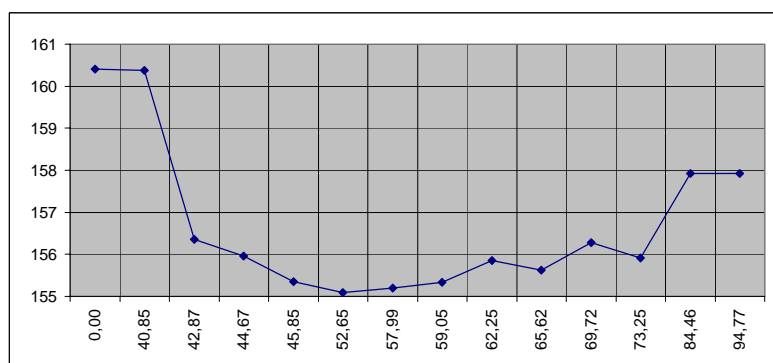
S109 - S6 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	153,43
2	4,97	153,00
3	10,15	152,70
S-6-b	13,55	152,69
S-6-a	16,30	152,19
4	20,40	149,81
5(eje)	30,40	149,01
6	40,40	149,81
7	44,45	153,82
8	50,25	155,43



S110 - S7 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	151,95
2	29,77	151,90
3	34,81	151,54
4	41,24	148,42
S-7-a(eje)	46,50	148,38
S-7-b	50,23	148,57
5	54,17	149,06
6	57,56	150,46
7	67,65	151,73
8	87,35	151,83



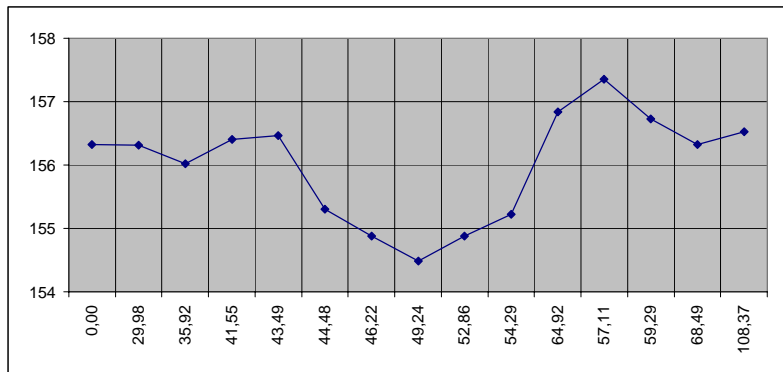
S111 - S8 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	160,40
2	40,85	160,38
3	42,87	156,36
4	44,67	155,95
5	45,85	155,36
6(eje)	52,65	155,09
S-8-a	57,99	155,20
7	59,05	155,33
S-8-b	62,25	155,86
8	65,62	155,62
9	69,72	156,28
10	73,25	155,91
11	84,46	157,92
12	94,77	157,93



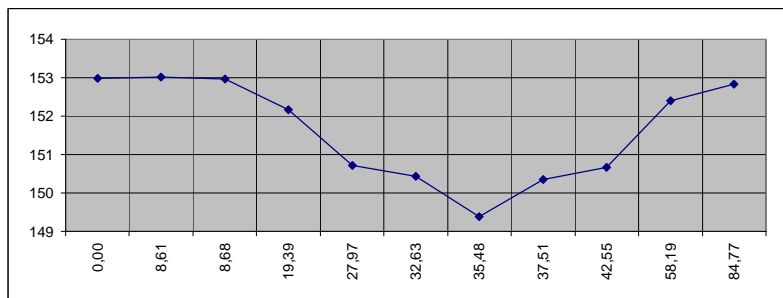
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2006

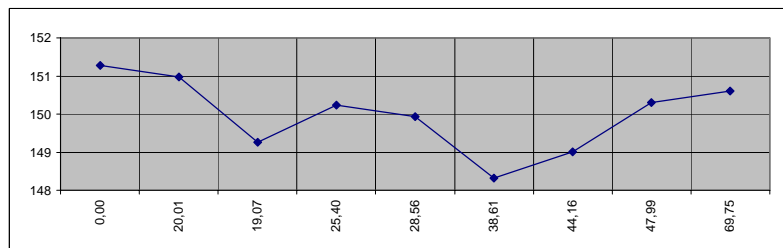
S112 - S9 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	156,32
2	29,98	156,31
S-9-b	35,92	156,02
S-9-a	41,55	156,40
3	43,49	156,46
4	44,48	155,30
5	46,22	154,88
6(eje)	49,24	154,48
7	52,86	154,88
8	54,29	155,23
9	64,92	156,84
10	57,11	157,36
11	59,29	156,73
12	68,49	156,32
13	108,37	156,53



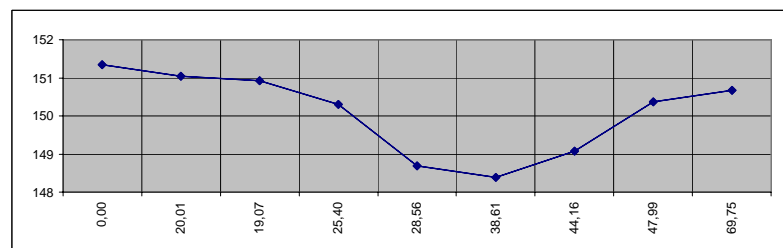
S113 - S10 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	152,98
2	8,61	153,02
S-10-a	8,68	152,97
S-10-b	19,39	152,17
3	27,97	150,72
4	32,63	150,43
5(eje)	35,48	149,39
6	37,51	150,35
7	42,55	150,67
8	58,19	152,40
9	84,77	152,83



S114 - S11 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	151,27
2	20,01	150,97
3	19,07	149,25
S-11-b	25,40	150,24
S-11-a	28,56	149,94
4(eje)	38,61	148,32
5	44,16	149,01
6	47,99	150,30
7	69,75	150,60



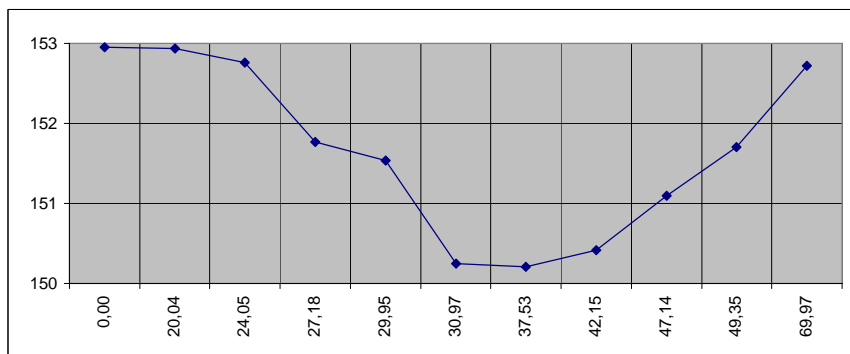
S115 - S12 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	151,34
2	20,01	151,04
3	19,07	150,93
S-12-b	25,40	150,31
S-12-a	28,56	148,69
4(eje)	38,61	148,39
5	44,16	149,08
6	47,99	150,37
7	69,75	150,67



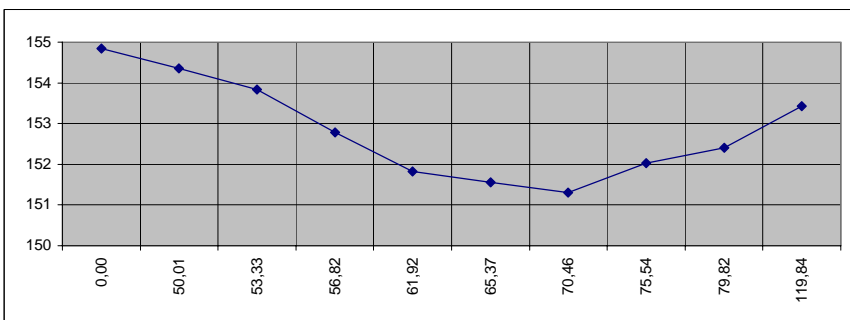
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2007

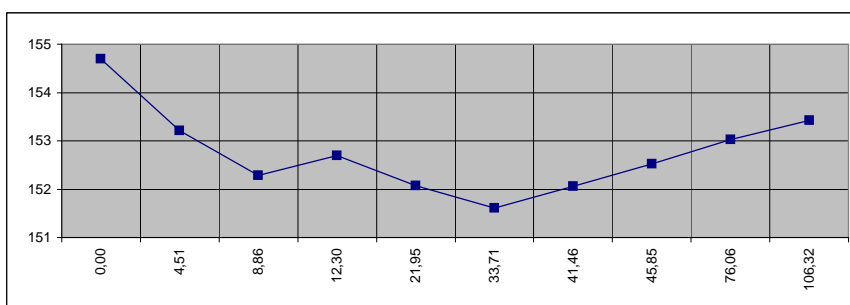
S116 - S13 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	152,95
2	20,04	152,93
3	24,05	152,76
4	27,18	151,77
S-13-b	29,95	151,54
S-13-a	30,97	150,25
5(eje)	37,53	150,21
6	42,15	150,42
7	47,14	151,10
8	49,35	151,71
9	69,97	152,72



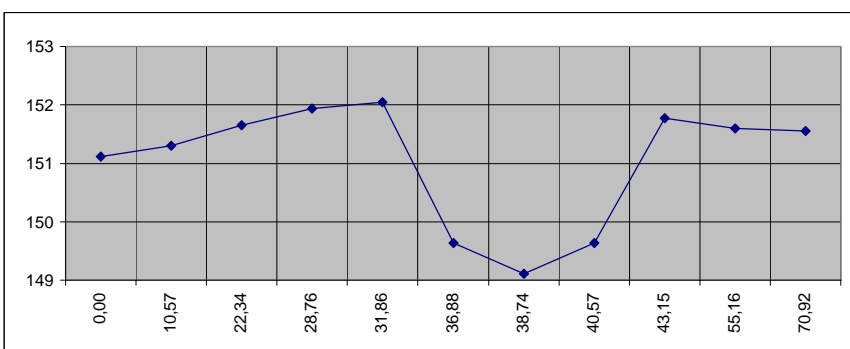
S117 - S14 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	154,85
2	50,01	154,35
3	53,33	153,83
S-14-b	56,82	152,78
S-14-a	61,92	151,83
4	65,37	151,56
5(eje)	70,46	151,30
6	75,54	152,02
7	79,82	152,41
8	119,84	153,42



S118 - S15 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	154,70
2	4,51	153,21
S-15-a	8,86	152,29
S-15-b	12,30	152,69
3	21,95	152,07
4(eje)	33,71	151,61
5	41,46	152,06
6	45,85	152,52
7	76,06	153,02
8	106,32	153,42



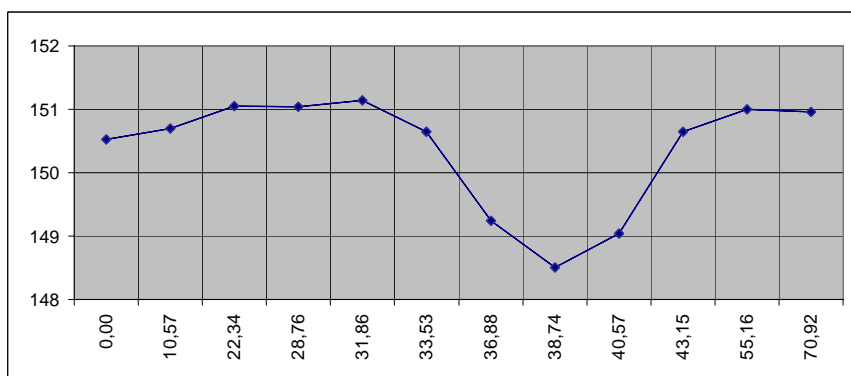
S119 - S16 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	151,12
2	10,57	151,30
S-16-a	22,34	151,65
S-16-b	28,76	151,94
3	31,86	152,04
4	36,88	149,63
5(eje)	38,74	149,11
6	40,57	149,64
7	43,15	151,77
8	55,16	151,60
9	70,92	151,56



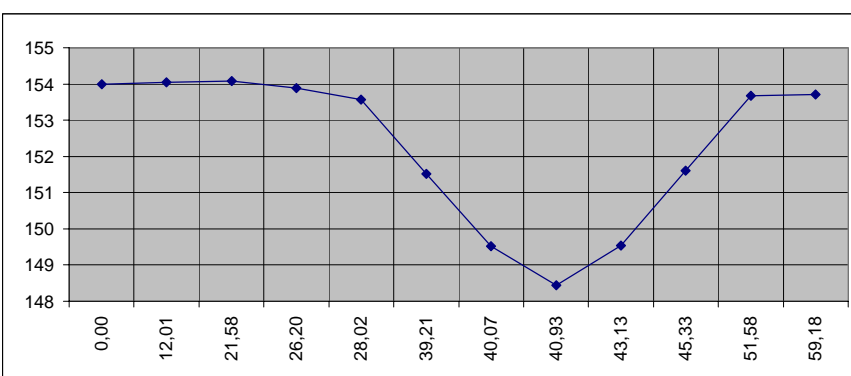
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2007

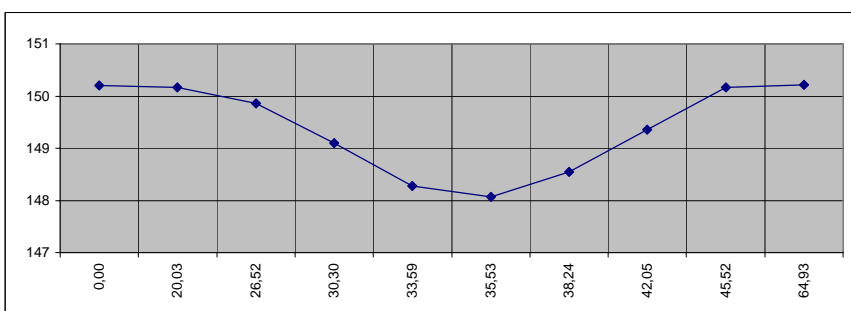
S120 - S17 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	150,52
2	10,57	150,70
S17-b	22,34	151,05
S17-a	28,76	151,04
5	31,86	151,14
6	33,53	150,65
7	36,88	149,24
8(eje)	38,74	148,51
9	40,57	149,04
10	43,15	150,65
11	55,16	151,00
12	70,92	150,96



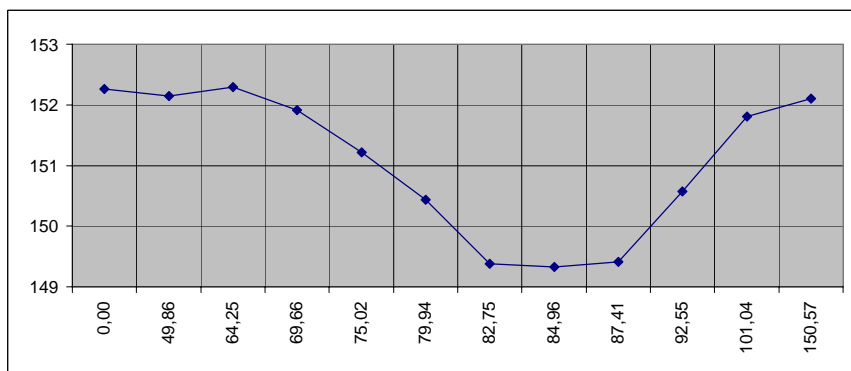
S121 - S18 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	154,00
2	12,01	154,05
S-18-b	21,58	154,08
S-18-a	26,20	153,89
3	28,02	153,56
4	39,21	151,51
5	40,07	149,52
6(eje)	40,93	148,44
7	43,13	149,54
8	45,33	151,61
9	51,58	153,68
10	59,18	153,71



S122 - S19 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	150,20
2	20,03	150,16
S-19-b	26,52	149,86
3	30,30	149,10
S-19-a	33,59	148,27
4eje	35,53	148,07
5	38,24	148,55
6	42,05	149,35
7	45,52	150,17
8	64,93	150,22



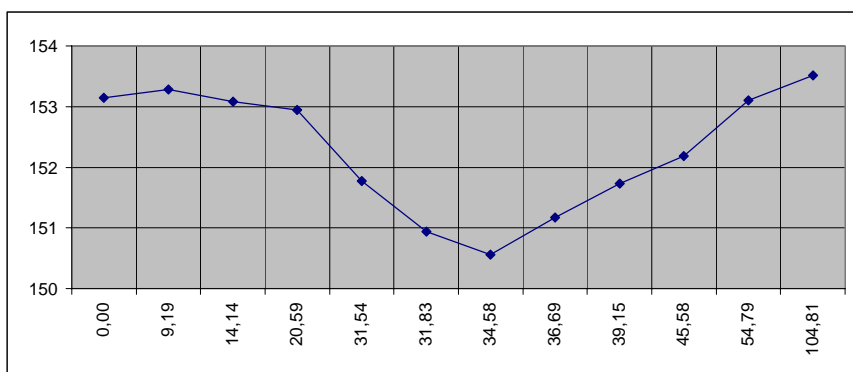
S123 - S20 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	152,26
2	49,86	152,14
S-20-b	64,25	152,29
S-20-a	69,66	151,91
3	75,02	151,21
4	79,94	150,44
5	82,75	149,39
6(eje)	84,96	149,33
7	87,41	149,41
8	92,55	150,57
9	101,04	151,80
10	150,57	152,10



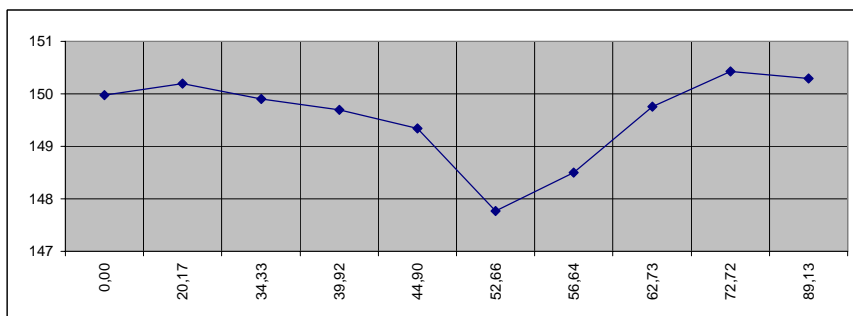
SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

ENERO DE 2007

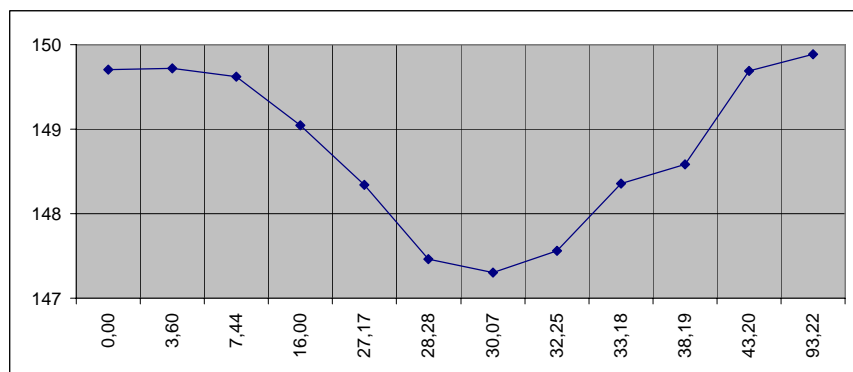
S124 - S21 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	153,15
S-21-b	9,19	153,28
S-21-a	14,14	153,08
2	20,59	152,94
3	31,54	151,77
4	31,83	150,94
5(eje)	34,58	150,56
6	36,69	151,17
7	39,15	151,73
8	45,58	152,19
9	54,79	153,10
10	104,81	153,51



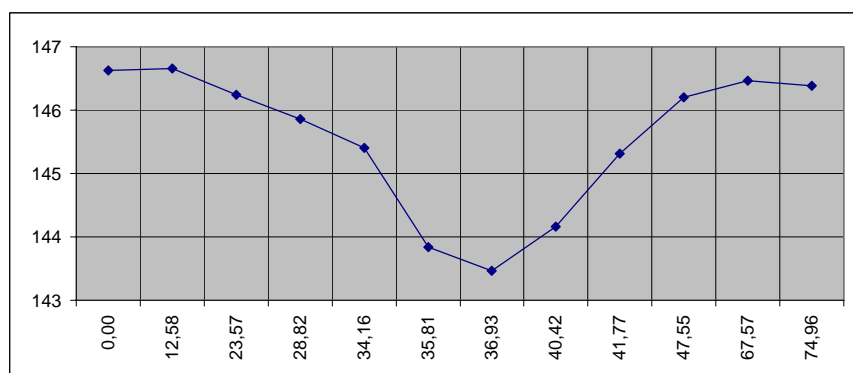
S125 - S22 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	149,97
2	20,17	150,19
S-22-b	34,33	149,90
S-22-a	39,92	149,70
3	44,90	149,34
4(eje)	52,66	147,77
5	56,64	148,50
6	62,73	149,76
7	72,72	150,43
8	89,13	150,29



S126 - S23 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	149,71
S-23-b	3,60	149,72
S-23-a	7,44	149,62
2	16,00	149,04
3	27,17	148,34
4	28,28	147,46
5eje	30,07	147,30
6	32,25	147,56
7	33,18	148,36
8	38,19	148,59
9	43,20	149,69
10	93,22	149,89



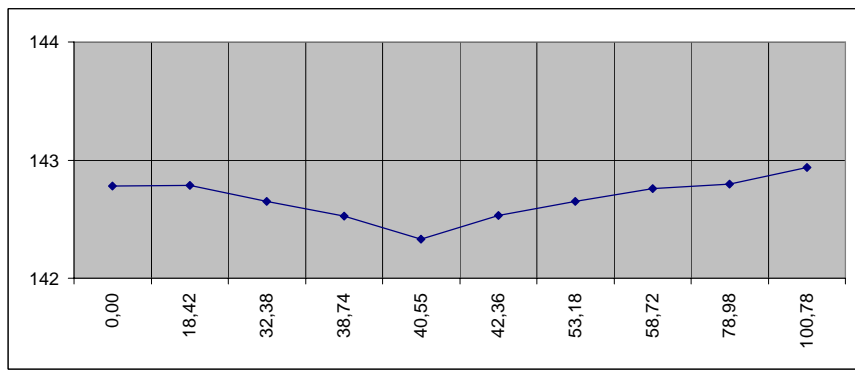
S127 - S24 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	146,63
2	12,58	146,66
S-24-b	23,57	146,24
S-24-a	28,82	145,86
3	34,16	145,40
4	35,81	143,84
5eje	36,93	143,47
6	40,42	144,17
7	41,77	145,31
8	47,55	146,20
9	67,57	146,46
10	74,96	146,38



SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

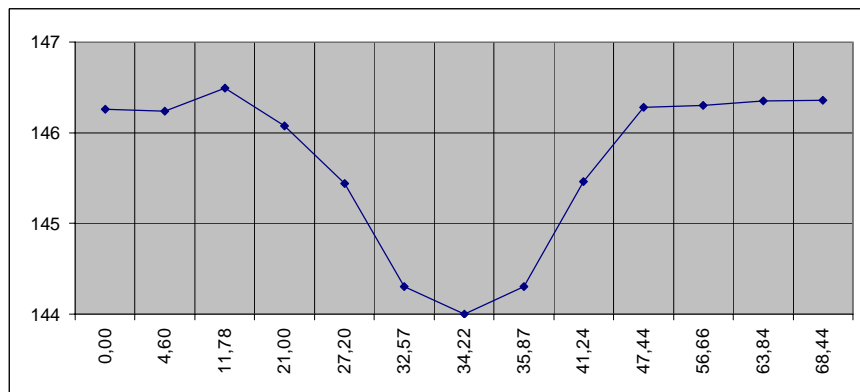
ENERO DE 2007

S128 - S25 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	142,78
2	18,42	142,78
3	32,38	142,65
4	38,74	142,53
5(eje)	40,55	142,33
6	42,36	142,53
7	53,18	142,65
8	58,72	142,76
9	78,98	142,80
10	100,78	142,94

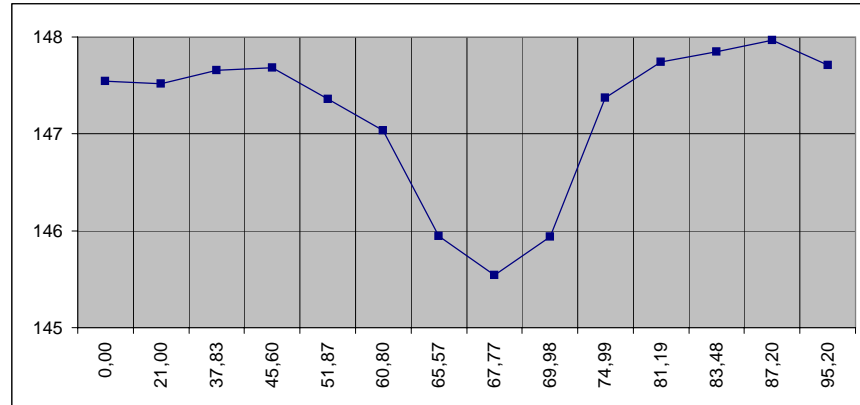


Obs: La línea del perfil se encuentra a 3 metros de la dirección definida por los puntos aux S-25-a y S-25-b

S129 - S26 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	146,26
S-26-b	4,60	146,24
S-26-a	11,78	146,49
2	21,00	146,08
3	27,20	145,44
4	32,57	144,30
5(eje)	34,22	144,00
6	35,87	144,30
7	41,24	145,46
8	47,44	146,28
9	56,66	146,30
10	63,84	146,35
11	68,44	146,36



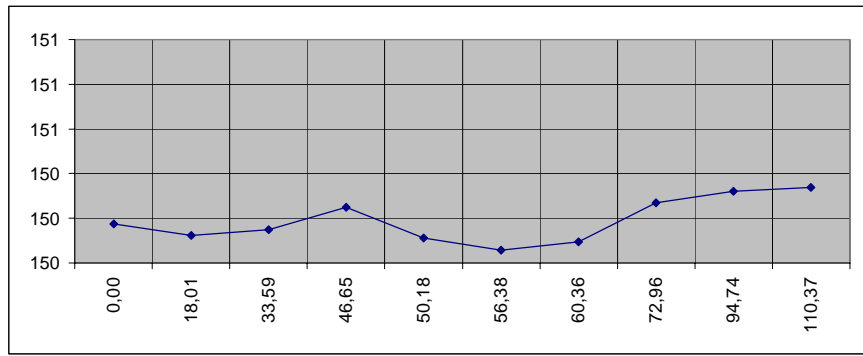
S130 - S27 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	147,54
2	21,00	147,52
3	37,83	147,66
S-27-b	45,60	147,68
S-27-a	51,87	147,36
4	60,80	147,03
5	65,57	145,94
6(eje)	67,77	145,54
7	69,98	145,94
8	74,99	147,37
9	81,19	147,75
10	83,48	147,85
11	87,20	147,97
12	95,20	147,71



SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

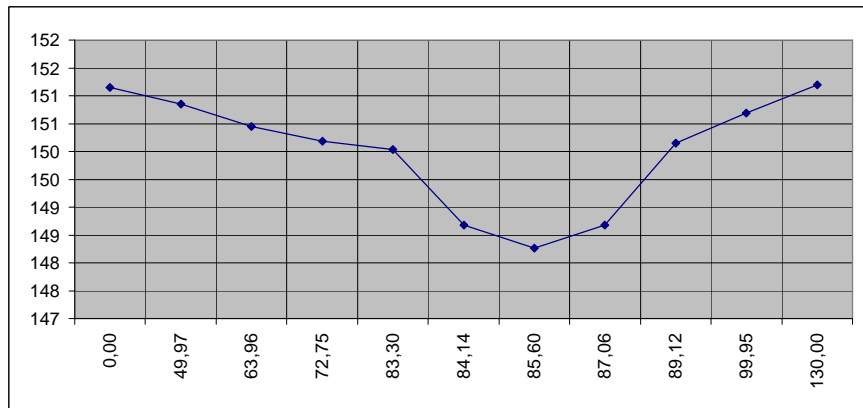
ENERO DE 2007

S131 - S28 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	150,17
2	18,01	150,12
S-28-b	33,59	150,15
S-28-a	46,65	150,25
3	50,18	150,11
4(eje)	56,38	150,06
5	60,36	150,10
6	72,96	150,27
7	94,74	150,32
8	110,37	150,34

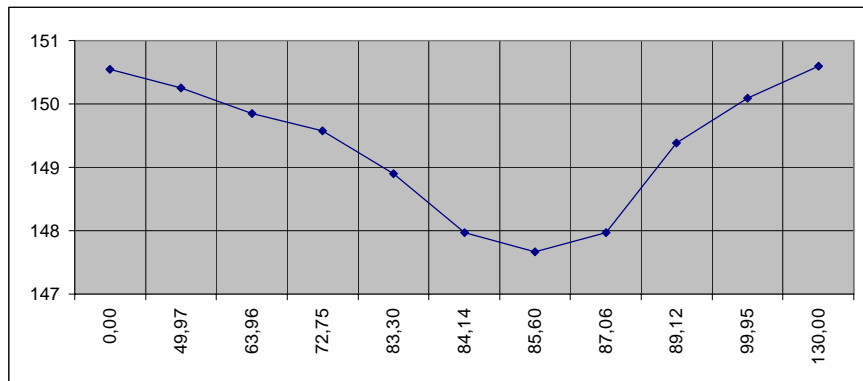


Obs: Perfil relevado al pie del camino terraplanado existente de la Estacia Toro Mocho

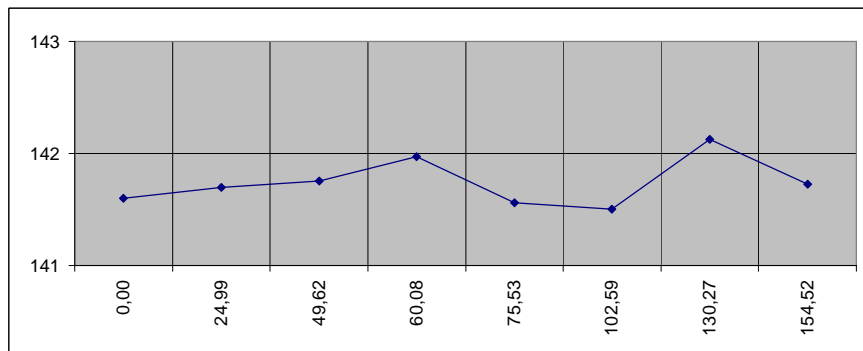
S132 - S29 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	151,15
2	49,97	150,85
3	63,96	150,45
S-29-b	72,75	150,18
4	83,30	150,04
5	84,14	148,68
6(eje)	85,60	148,27
7	87,06	148,68
8	89,12	150,15
9	99,95	150,69
10	130,00	151,20



S133 - S30 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	150,55
2	49,97	150,25
3	63,96	149,85
S-30-b	72,75	149,58
4	83,30	148,90
5	84,14	147,97
6(eje)	85,60	147,67
7	87,06	147,97
8	89,12	149,38
9	99,95	150,09
10	130,00	150,60



S134 - S31 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	141,60
2	24,99	141,69
3	49,62	141,75
4	60,08	141,97
5	75,53	141,56
6(eje)	102,59	141,50
7	130,27	142,12
8	154,52	141,73

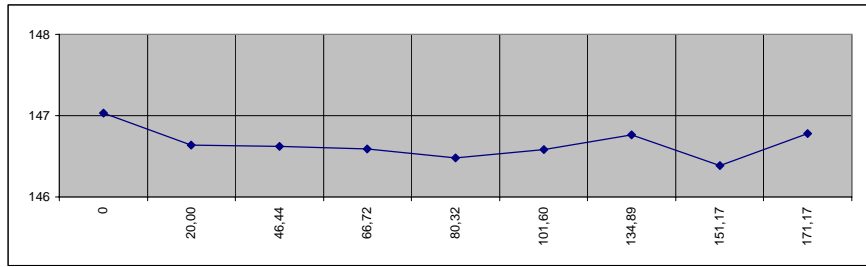


Obs: Las estacas aux S31-a y S31-b georeferenciadas se encuentran desplazadas a 15 m de la línea del perfil; por lo cual dichos puntos no forman parte del trazado del perfil S-36. Perfil ubicado en tres puentes de madera al pie del terraplen del Camino que une Pozo Colorado con Gral. Díaz/Cauce con mucha sedimentación de arena en el fondo

SECCIONES TRANSVERSALES DEL CANAL DE DERIVACION DEL PILCOMAYO

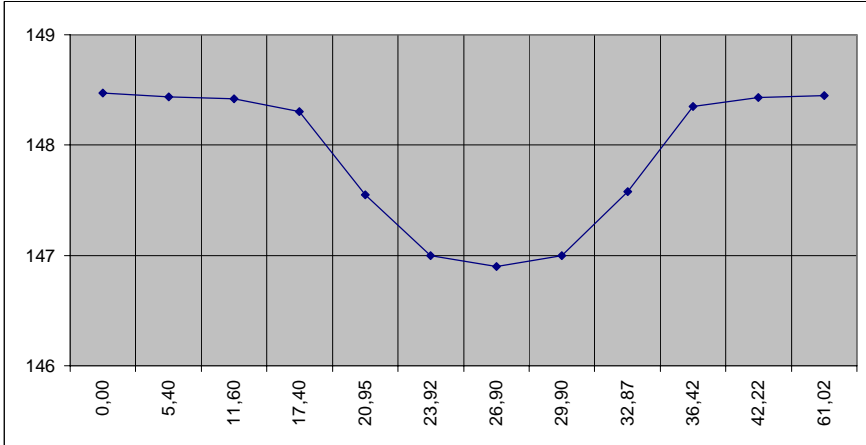
ENERO DE 2007

S135 - S32 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0	147,03
2	20,00	146,63
3	46,44	146,62
4	66,72	146,59
5(eje)	80,32	146,48
6	101,60	146,59
7	134,89	146,76
8	151,17	146,38
9	171,17	146,78



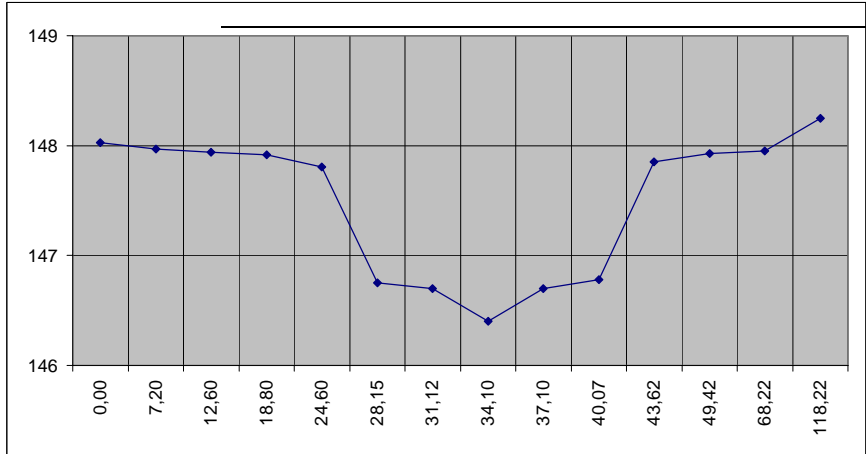
Obs: Las estacas aux a y b georeferenciadas se encuentran desplazadas a 15 m de la línea del perfil; por lo cual dichos puntos no forman parte del trazado del perfil S-36. Perfil ubicado al pie del terraplen del Camino que une Pozo Colorado con Gral. Díaz

S136 - S33 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	148,47
S33-b	5,40	148,44
S33-a	11,60	148,42
4	17,40	148,30
5	20,95	147,55
6	23,92	147,00
7(eje)	26,90	146,90
8	29,90	147,00
9	32,87	147,58
10	36,42	148,35
11	42,22	148,43
12	61,02	148,45



Obs: Cacique Sapo/Iniccion del Canal Brizuela

S137 - S34 Cañada la Madrid		
N°	DISTANCIA ACUMULADA	COTA
1	0,00	148,03
S-34-b	7,20	147,97
S-34-a	12,60	147,94
2	18,80	147,92
3	24,60	147,80
4	28,15	146,75
5	31,12	146,70
6(eje)	34,10	146,40
7	37,10	146,70
8	40,07	146,78
9	43,62	147,85
10	49,42	147,93
11	68,22	147,95
12	118,22	148,25



Obs: Canal Brizuela



ANEXO 3.2:
Verificación de las Cotas 0
de las Estaciones Hidrométricas



	INGENIERO
	TOPOGRAFIA - CONTRATO

TAREA: Embocadura del canal
Nivelacion:
Ayudantes: Miguel A. Moreno

ZONA: Pilcomayo
Operador: Ing. Jose M. Vargas
Instrumental: NAK-1

Hoja: 1/1
Fecha: 31-03-07
Tiempo: Nublado

NIVELACION GEOMETRICA

Estacion	Punto Visado	Lectura Atras		Lectura Adelante		Distancias		Desnivel		Cotas
		Sup. e Inf.	Medio	Sup. e Inf.	Medio	Atras	Adelante	+	-	
EMBOCADURA-1		359	313							228,740
		268								
	ESCALA HIDROMETRICA (5M)				1214				0.901	
					1297					
					1132					
EMBOCADURA-1		45	360							
		316								
	ESCALA HIDROMETRICA (5M)			1350	1263				0.903	
				1181						
	COTA DEL "0" ESCALA									222,838
	COTA N.A									224,338
EMBOCADURA-1		891	827							228,740
		762								
	CAÑO METALICO			1013	904				0.077	
				796						
								Ahp= -0.077		228,663
CAÑO METALICO		1016	903							
		792								
	EMBOCADURA-1			888	826				0.077	
				767						



	INGENIERO	
	TOPOGRAFIA - CONTRATO	

TAREA: Puente Prog. 7+000
Nivelacion:
Ayudantes: Miguel A. Moreno

ZONA: Canal Pilcomayo
Operador: Ing. Jose M. Vargas
Instrumental: NAK-1

Hoja: 1/1
Fecha: 31-03-07
Tiempo: Nublado

NIVELACION GEOMETRICA

Estacion	Punto Visado	Lectura Atras		Lectura Adelante		Distancias		Desnivel		Cotas
		Sup. e Inf.	Medio	Sup. e Inf.	Medio	Atras	Adelante	+	-	
MOJON KM 7+000			1126							225,950
	ESCALA HIDROMETRICA (4M)				1313				0,187	
ESCALA HIDROMETRICA (4M)		1362	1315							
		1268								
	MOJON KM 7+000			1148	1126			0,189		
				1104						
	COTA DEL "0" ESCALA									221,763

ANEXO 3.3: Trackeo de Caminos Recorridos



Camino a Toto Alto-Bañado Norte

Nº	Fecha - Hora	Coordenada
1	17-APR-07 20:24	20 K 799166 7411843
2	17-APR-07 20:24	20 K 798809 7411858
3	17-APR-07 20:25	20 K 798367 7411871
4	17-APR-07 20:26	20 K 797752 7411890
5	17-APR-07 20:27	20 K 796546 7411910
6	17-APR-07 20:30	20 K 795039 7411952
7	17-APR-07 20:32	20 K 794022 7411966
8	17-APR-07 20:33	20 K 793276 7411993
9	17-APR-07 20:35	20 K 791496 7412021
10	17-APR-07 20:36	20 K 613379 7465460
11	17-APR-07 20:38	20 K 789769 7412036
12	17-APR-07 20:40	20 K 788714 7412066
13	17-APR-07 20:42	20 K 787457 7412097
14	17-APR-07 20:50	20 K 785768 7412143
15	17-APR-07 20:51	20 K 784727 7412167
16	17-APR-07 20:53	20 K 783731 7412186
17	17-APR-07 20:55	20 K 782703 7412198
18	17-APR-07 20:56	20 K 781603 7412206
19	17-APR-07 20:58	20 K 780892 7412207
20	17-APR-07 21:00	20 K 780163 7412230
21	17-APR-07 21:01	20 K 779634 7412240
22	17-APR-07 21:20	20 K 779598 7412264
23	17-APR-07 21:26	20 K 778202 7412271
24	17-APR-07 21:28	20 K 777692 7412272
25	17-APR-07 22:24	20 K 800117 7411835
26	17-APR-07 22:25	20 K 800451 7411827
27	17-APR-07 22:25	20 K 800931 7411821
28	17-APR-07 22:49	20 K 799363 7401203
BANADO	17-APR-07 21:30	20 K 777689 7412270
P1	17-APR-07 20:29	20 K 795909 7411931
TORO	17-APR-07 20:48	20 K 787378 7412068

Recorrido en Lancha

Nº	Fecha - Hora	Coordenada
29	18-APR-07 10:45	20 K 768349 7392883
30	18-APR-07 13:09	20 K 741968 7397764
31	18-APR-07 13:29	20 K 735272 7397624
32	18-APR-07 13:41	20 K 733821 7398340
33	18-APR-07 13:46	20 K 733866 7398367
34	18-APR-07 13:47	20 K 733897 7398396
35	18-APR-07 13:47	20 K 733931 7398443
36	18-APR-07 13:48	20 K 733993 7398527
37	18-APR-07 13:48	20 K 734048 7398591
38	18-APR-07 13:49	20 K 734203 7398532
39	18-APR-07 13:50	20 K 734329 7398419
40	18-APR-07 13:51	20 K 734433 7398402
41	18-APR-07 13:52	20 K 734554 7398258
42	18-APR-07 13:53	20 K 734660 7398112
43	18-APR-07 13:54	20 K 734816 7398297
44	18-APR-07 13:57	20 K 734808 7398321
45	18-APR-07 13:58	20 K 734824 7398491
46	18-APR-07 13:59	20 K 734820 7398622
47	18-APR-07 14:03	20 K 734814 7398676
48	18-APR-07 14:06	20 K 734732 7398847
49	18-APR-07 14:07	20 K 734721 7398897
50	18-APR-07 14:09	20 K 734709 7398993
51	18-APR-07 14:11	20 K 734680 7399046
52	18-APR-07 14:13	20 K 734697 7399151
53	18-APR-07 14:15	20 K 734665 7399245
54	18-APR-07 16:43	20 K 723699 7403568
55	18-APR-07 19:26	20 K 726717 7399315
56	18-APR-07 19:48	20 K 730933 7398233
AFOR	18-APR-07 16:44	20 K 723670 7403581
AR	18-APR-07 15:44	20 K 728296 7398318
C	18-APR-07 12:44	20 K 746773 7397537
EA	18-APR-07 15:52	20 K 727497 7398980
INIB	18-APR-07 14:17	20 K 734625 7399312
PH	18-APR-07 14:58	20 K 733832 7398347

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
86	446430	7200607
87	446358	7200677
1	799166	7411843
2	798809	7411858
3	798367	7411871
4	797752	7411890
5	796546	7411910
P1	795909	7411931
6	795039	7411952
7	794022	7411966
8	793276	7411993
9	791496	7412021
10	613379	7465460
11	789769	7412036
12	788714	7412066
13	787457	7412097
TORO	787378	7412068
14	785768	7412143
15	784727	7412167
16	783731	7412186
17	782703	7412198
18	781603	7412206
19	780892	7412207
20	780163	7412230
21	779634	7412240
22	779598	7412264
23	778202	7412271
24	777692	7412272
BANADO	777689	7412270
25	800117	7411835
26	800451	7411827
27	800931	7411821
28	799363	7401203
29	768349	7392883
C	746773	7397537
30	741968	7397764
31	735272	7397624
32	733821	7398340
33	733866	7398367
34	733897	7398396
35	733931	7398443
36	733993	7398527
37	734048	7398591
38	734203	7398532
39	734329	7398419
40	734433	7398402
41	734554	7398258
42	734660	7398112

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
43	734816	7398297
44	734808	7398321
45	734824	7398491
46	734820	7398622
47	734814	7398676
48	734732	7398847
49	734721	7398897
50	734709	7398993
51	734680	7399046
52	734697	7399151
53	734665	7399245
INIB	734625	7399312
PH	733832	7398347
AR	728296	7398318
EA	727497	7398980
54	723699	7403568
AFOR	723670	7403581
55	726717	7399315
56	730933	7398233
OG1	634798	7452837
OG2	635046	7445109
EG2	654339	7446033
GAMA	664668	7446792
A	582152	7493872
B	582251	7493828
C1	582342	7493799
D1	582437	7493792
E1	582509	7493764
F1	582600	7493711
A1	582154	7493872
B1	582253	7493825
88	654192	7445972
89	653537	7445945
90	652968	7445918
91	652431	7445854
92	650085	7445713
93	648718	7445698
94	647950	7445657
95	645915	7445550
96	645454	7445878
97	644291	7445463
98	642450	7445009
99	641504	7445350
100	639465	7445265
101	637457	7445173
102	636883	7445165
103	636000	7445130
104	635585	7445113

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
G2	634925	7445066
105	632991	7445003
106	632607	7444989
107	632369	7444936
MAIDAN	632225	7444906
108	637904	7443253
109	638167	7443169
110	638238	7443083
111	638713	7442807
112	638919	7442674
113	638967	7442246
114	638983	7441699
115	639007	7441110
116	639023	7440501
117	639117	7442515
118	639486	7442406
119	640013	7442101
120	640788	7441998
121	641163	7441812
122	641087	7441234
123	640886	7440630
124	640830	7439844
125	640762	7439401
126	640469	7439186
127	640339	7438653
128	640707	7438436
129	640972	7438038
130	641094	7437720
131	641373	7437517
132	640745	7436820
ALEG	650934	7428170
133	642053	7437390
134	642113	7437382
135	642623	7437334
136	642863	7436915
137	642887	7436374
138	643289	7435920
139	643612	7435666
140	643968	7435129
141	644428	7434729
142	644679	7434322
143	645289	7433901
144	645298	7433592
AL1	644935	7433370
145	644969	7432674
146	644745	7432246
147	644898	7430454
AL2	644901	7430447

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
148	645038	7430313
149	645827	7429390
CEN	645539	7429110
150	646463	7429117
151	647314	7429126
152	649519	7429130
153	650509	7429132
154	651074	7428043
155	651550	7427963
156	652181	7427704
157	652587	7427361
158	652955	7426885
159	652952	7425793
160	653681	7426831
161	654347	7426828
AYA	663090	7429218
162	655392	7426814
163	657161	7426791
164	658458	7426781
165	659698	7426764
166	660110	7427433
167	660123	7427969
168	661071	7427847
169	662377	7428303
ESTAN	663075	7429195
170	663462	7429789
171	664186	7430087
172	664310	7431508
173	664552	7432403
174	664573	7436710
175	664582	7437449
176	664601	7439042
177	664610	7440561
178	664617	7441373
179	664618	7442153
180	664648	7444711
181	665018	7446429
182	666827	7446475
183	671469	7446553
184	672840	7446604
185	678177	7446717
186	680971	7446779
187	682701	7446816
188	683834	7446811
189	685097	7446842
190	685937	7446850
191	687198	7446866
192	689887	7446909

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
193	691909	7446927
194	693195	7446895
195	693234	7446498
196	693235	7444547
197	693245	7442901
198	693240	7442740
199	693216	7441056
AG	640766	7436839
AG1	640939	7436715
AG2	640994	7436715
AG96	640847	7436867
57	641390	7437536
58	641584	7437910
59	642133	7438952
60	642470	7439648
61	642888	7440405
62	643514	7440820
63	643975	7440868
64	645183	7440551
65	645798	7440954
66	647075	7442071
67	648021	7442902
68	648824	7443148
69	650400	7443920
70	651662	7444587
71	653186	7445352
72	655740	7447450
73	657430	7446130
74	661040	7446356
75	664757	7446443
76	666513	7446479
77	668198	7446509
78	669438	7446533
79	671036	7446573
80	672428	7446608
81	673799	7446628
82	679720	7446754
83	681112	7446782
84	681801	7446788
85	683106	7446821
NERI1	476509	7151240
CE	476421	7151126
AUX1	476123	7151253
CAARO	476250	7152426
CAAR1	476417	7152381
CAAR2	476666	7152293
PUZ	476723	7152398
PUZ1	476841	7152617

Trakeo del 21-may-07

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
CAAN	476964	7152773
O	478101	7152663
O1	478057	7152251
O2	477101	7152663
CON1	477204	7152556
CERRO	476452	7152347
CERRO1	476080	7152494
CERRO2	476011	7152401
CARTEL	476932	7151033
PUENTE	478230	7152050

Embocadura

TRACKEO DE CAMINOS RECORRIDOS		
EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
85	588216	7490918
86	588261	7491085
87	588334	7491305
88	588661	7491435
89	588911	7491315
90	589090	7491145
91	589181	7490921
92	589331	7490682
93	589554	7490536
94	589687	7490296
95	589805	7490064
96	589802	7489842
97	589935	7489618
98	590127	7489627
99	590413	7489723
100	590591	7489627
101	590808	7489432
102	590977	7489252
103	591192	7489155
104	591264	7489318
105	591385	7489714
106	591520	7490178
107	591743	7490509
108	591933	7490811
109	592078	7490993
110	592287	7491194
111	592424	7491451
112	592637	7491793
113	592779	7492080
114	592974	7492405
115	593152	7492731
116	593391	7492981
117	593723	7493287
118	594009	7493586
119	594226	7493811
120	594408	7493935
121	594659	7494117
122	594937	7494324
123	595671	7494658
124	595978	7494804
125	596717	7495531
126	596971	7495784
127	597124	7496180
128	597493	7497152
129	582015	7493942
130	582139	7493879
131	582523	7493755
132	582575	7493745

Embocadura

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA		
PUNTOS	X	Y
133	582780	7493557
134	582935	7493378
135	583052	7493237
136	583239	7493009
137	583413	7492776
138	583631	7492518
139	583796	7492308
140	583957	7492111
141	584066	7492010
142	584136	7491914
143	584244	7491786
144	584352	7491682
145	584493	7491527
146	584593	7491422
147	584738	7491294
148	584854	7491164
149	585025	7491025
150	585212	7490837
151	585400	7490677
152	585532	7490570
153	585754	7490433
154	585924	7490302
155	586036	7490206
156	586169	7490093
157	586340	7489944
158	586499	7489797
159	586734	7489589
160	586815	7489501

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
18	630710	7445741
19	630616	7445708
20	630747	7445778
21	630902	7445877
22	631061	7446003
23	630971	7446039
24	630838	7446010
25	630713	7446131
26	630611	7446254
27	630553	7446472
28	630458	7446684
29	630359	7446884
30	630296	7447188
31	629829	7447803
32	629315	7448161
33	629141	7448446
34	628470	7448428
35	628177	7448135
36	628147	7448148
37	628023	7447977
38	627891	7447853
39	631063	7446011
40	631416	7445825
41	631554	7445752
42	631943	7445551
43	632014	7445494
44	632060	7445352
45	632123	7445195
46	632212	7445014
47	632254	7444955
48	632360	7444917
49	633876	7444996
50	633962	7444953
51	634036	7444902
52	634093	7444881
53	634182	7444818
54	634258	7444799
55	634386	7444743
56	634398	7444729

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
57	634390	7444695
58	634487	7444678
59	634837	7444589
60	634970	7444562
61	635058	7444516
62	635321	7444198
63	635371	7444009
64	635396	7443832
65	635500	7443641
66	635574	7443431
67	635674	7443224
68	635811	7443049
69	636009	7442887
70	636069	7442862
71	636034	7442851
72	635952	7442789
73	635791	7442642
74	635697	7442565
75	635614	7442505
76	635534	7442471
77	635435	7442460
78	635214	7442448
79	635207	7442446
80	635040	7442408
81	634995	7442400
82	654342	7426198
83	654349	7425982
84	654385	7425370
85	654422	7424587
86	654428	7424570
87	654601	7424524
88	654764	7424363
89	655075	7424432
90	655328	7424380
91	655412	7424354
92	655598	7424333
93	655931	7424281
94	656393	7424202
95	656734	7424101

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
96	656907	7423900
97	657159	7423593
98	657376	7423341
99	657482	7423227
100	657629	7423069
101	657767	7422924
102	663782	7429193
103	663936	7429170
104	664103	7429176
105	664220	7429230
106	664349	7429237
107	664582	7429157
108	664724	7429214
109	664796	7429254
110	665208	7429253
111	665690	7429265
112	666001	7429249
113	666572	7429265
114	667239	7429274
115	667669	7429264
116	668167	7429301
117	668350	7429295
118	668482	7429234
119	669096	7428314
120	669187	7428090
121	669332	7427775
122	669632	7426981
123	669733	7426525
124	670045	7426025
125	670165	7425940
126	670568	7425730
127	670658	7425645
128	670748	7425609
129	670853	7425477
130	671061	7425337
131	671124	7425299
132	671397	7425152
133	671573	7425117
134	671814	7425231

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
135	671877	7425010
136	671919	7424909
137	671956	7424896
138	672164	7424741
139	672449	7424529
140	673017	7424336
141	673469	7424314
142	673714	7424317
143	673888	7424346
144	674344	7424215
145	674434	7424193
146	674859	7424092
147	675149	7423992
148	675504	7423891
149	675877	7423785
150	676286	7423678
151	676617	7423584
152	676887	7423488
153	677260	7423212
154	677563	7422983
155	677709	7422805
156	678208	7422497
157	678353	7422299
158	678437	7422205
159	678534	7422093
160	678699	7421916
161	679014	7421540
162	679240	7421321
163	679312	7421207
164	679387	7421110
165	679475	7421006
166	679502	7420747
167	679431	7420425
168	679394	7420189
169	679336	7419908
170	679032	7419481
171	678882	7419229
172	678679	7419159
173	678600	7419153

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
174	678540	7419121
175	678411	7418956
176	678276	7418597
177	678269	7418418
178	678205	7418070
179	678192	7418023
180	678096	7417951
181	677906	7417639
182	677863	7417480
183	677825	7417256
184	677836	7417067
185	677894	7416835
186	677911	7416476
187	678045	7415835
188	678099	7415450
189	678103	7415168
190	678144	7414954
191	678228	7414838
192	678631	7414874
193	678972	7414889
194	679035	7414900
195	679627	7414943
196	680047	7414972
197	680259	7414962
198	680400	7414916
199	680456	7414898
200	680649	7414858
201	681173	7414834
202	681301	7414774
203	681907	7414459
204	682256	7414370
205	682611	7414195
206	683105	7414090
207	683323	7414147
208	683562	7414321
209	683651	7414428
210	683833	7414504
211	683888	7414476
212	684034	7414376

Campaña Topografica No. 6

TRACKEO DE CAMINOS RECORRIDOS EN CAMPAÑA TOPOGRAFICA JUNIO 2007		
PUNTOS	X	Y
213	684169	7414282
214	684364	7414184
215	684476	7414006
216	684753	7413955
217	684735	7413855
218	685188	7413334
219	685175	7413254
220	685144	7413231
221	684936	7413044
222	684770	7412628
223	684699	7412451
224	684515	7411983
BOLLI	671853	7425231
CA	678123	7414851
CORT	630548	7445661
SAKRL	663162	7429411

Camino mistolar y interceptor

PUNTO	X	Y
1	606.700	7.506.981
2	606.435	7.506.984
3	606.354	7.506.978
4	606.316	7.506.951
5	605.925	7.506.444
6	605.637	7.506.084
7	605.252	7.505.562
8	604.986	7.505.216
9	604.508	7.504.589
10	604.106	7.504.091
11	603.553	7.503.374
12	602.884	7.502.489
13	602.131	7.501.521
14	600.975	7.500.008
15	600.317	7.499.175
16	599.918	7.498.637
17	599.898	7.498.626
18	599.306	7.498.646
19	598.396	7.498.663
20	598.100	7.498.663
21	598.065	7.498.666
22	598.051	7.498.633
23	597.142	7.496.242
24	596.946	7.495.751
25	596.183	7.495.007
26	595.564	7.494.610
27	594.926	7.494.314
28	594.798	7.494.254
29	594.667	7.494.132
30	594.613	7.494.077
31	594.238	7.493.810
32	593.420	7.493.002
33	593.074	7.492.622
34	593.061	7.492.550
35	592.992	7.492.450
36	592.929	7.492.284
37	592.891	7.492.192
38	592.797	7.492.088
39	604.403	7.474.433
40	592.230	7.488.110
41	591.645	7.488.038
42	591.507	7.488.031

Camino mistolar y interceptor

PUNTO	X	Y
43	603.377	7.474.159
44	603.552	7.474.209
45	603.949	7.474.286
46	604.272	7.474.373
47	604.893	7.474.516
48	605.023	7.474.356
49	604.373	7.474.200
50	604.609	7.472.845
51	604.646	7.472.625
52	604.690	7.472.332
53	604.764	7.471.918
54	604.797	7.471.627
55	604.842	7.471.435
56	604.864	7.471.275
57	604.888	7.471.140
58	604.952	7.470.798
59	605.049	7.470.131
60	605.130	7.469.725
61	605.268	7.468.893
62	605.370	7.468.293
63	605.447	7.467.851
64	605.423	7.467.759
65	605.279	7.467.755
66	604.962	7.467.783
67	604.655	7.467.809
68	604.543	7.467.784
69	604.431	7.467.759
70	604.376	7.467.735
71	604.266	7.467.666
72	604.680	7.464.695
73	604.696	7.464.666
74	604.731	7.464.620
75	604.737	7.464.613
76	604.765	7.464.590
77	604.799	7.464.554
78	604.673	7.464.612
79	604.682	7.464.573
80	604.876	7.464.440
81	604.969	7.464.278
82	604.946	7.464.159
83	604.967	7.464.133
84	605.128	7.463.978

Camino mistolar y interceptor

PUNTO	X	Y
85	604.657	7.458.022
86	609.835	7.449.485
87	609.912	7.449.595
88	609.980	7.449.655
89	610.025	7.449.685
90	610.126	7.449.786
91	610.219	7.449.857
92	610.415	7.450.011
93	610.550	7.450.129
94	610.677	7.450.226
95	610.788	7.450.355
96	610.903	7.450.416
97	611.107	7.450.641
98	611.261	7.450.793
99	611.381	7.450.913
100	611.531	7.451.072
101	611.712	7.451.270
102	611.740	7.451.321
103	611.798	7.451.409
104	611.841	7.451.496
105	611.878	7.451.532
106	612.091	7.451.659
107	612.190	7.451.692
108	612.275	7.451.780
109	612.480	7.451.982
110	612.630	7.452.075
111	612.772	7.452.194
112	612.847	7.452.253
113	612.891	7.452.299
114	612.951	7.452.348
115	613.000	7.452.358
116	613.050	7.452.363
117	613.114	7.452.358
118	613.197	7.452.352
119	613.211	7.452.376
120	613.159	7.452.448
121	613.115	7.452.484
122	613.113	7.452.519
123	613.123	7.452.551
124	613.102	7.452.601
125	613.131	7.452.714
126	613.125	7.452.763

Camino mistolar y interceptor

PUNTO	X	Y
127	613.156	7.452.834
128	613.222	7.452.917
129	613.236	7.452.990
130	613.380	7.453.193
131	613.429	7.453.294
132	613.498	7.453.372
133	613.622	7.453.655
134	613.771	7.454.025
135	613.952	7.454.415
136	614.144	7.454.865
137	614.276	7.455.175
138	614.311	7.455.286
139	614.345	7.455.332
140	614.368	7.455.361
141	614.415	7.455.399
142	614.490	7.455.452
143	614.505	7.455.500
144	614.559	7.455.625
145	614.632	7.455.746
146	614.714	7.455.879
147	614.775	7.456.296
148	614.787	7.456.377
149	614.795	7.456.458
150	614.746	7.456.746
151	614.762	7.456.786
152	614.819	7.456.841
153	614.864	7.456.965
154	614.868	7.456.974
155	614.895	7.457.311
156	614.924	7.457.483
157	613.326	7.452.372
158	661.220	7.499.609
159	593.471	7.478.980
160	605.464	7.467.972
161	611.800	7.453.876
162	609.900	7.454.830
163	592.409	7.488.616
164	610.351	7.487.247
165	640.294	7.506.910
166	604.269	7.459.573
167	607.900	7.454.850
168	592.418	7.488.130

Camino mistolar y interceptor

PUNTO	X	Y
169	606.203	7.455.097
170	593.437	7.478.934
171	593.562	7.478.701
172	604.403	7.474.433
173	609.846	7.449.438
174	652.994	7.492.918
175	604.369	7.460.838
176	618.598	7.454.640
177	607.083	7.454.740
178	618.750	7.454.600
179	597.492	7.497.115
180	610.590	7.507.005
181	604.988	7.470.571
182	604.495	7.465.437
183	613.298	7.453.115
184	614.869	7.456.971
185	604.457	7.465.995
186	604.533	7.464.961
187	604.944	7.464.148
188	604.929	7.463.548
189	604.435	7.463.817
190	604.604	7.462.803
191	605.132	7.461.711
192	604.188	7.460.874
193	604.084	7.459.543
194	605.158	7.459.248
195	604.646	7.457.959
196	605.088	7.456.901
197	606.430	7.454.797
198	607.681	7.454.810
199	609.759	7.455.225
200	611.722	7.453.763
201	613.208	7.452.338
202	642.614	7.504.584
203	600.853	7.471.158
204	601.072	7.470.682
205	601.301	7.470.211
206	601.520	7.469.771
207	601.875	7.469.394
208	602.245	7.469.121
209	602.285	7.469.157
210	602.692	7.468.784

Camino mistolar y interceptor

PUNTO	X	Y
211	603.087	7.468.481
212	603.533	7.468.215
213	603.964	7.467.943
214	604.284	7.467.552
215	604.369	7.467.043
216	593.874	7.478.324
217	594.348	7.478.069
218	594.816	7.477.856
219	595.296	7.477.648
220	595.781	7.477.458
221	596.318	7.477.223
222	596.866	7.476.974
223	597.334	7.476.679
224	597.723	7.475.670
225	598.318	7.476.273
226	598.615	7.475.890
227	598.885	7.475.428
228	599.123	7.474.963
229	599.368	7.474.514
230	599.584	7.474.015
231	599.798	7.473.510
232	599.992	7.473.027
233	600.214	7.472.552
234	600.415	7.472.075
235	600.627	7.471.617
236	605.220	7.457.700
237	618.000	7.456.400
238	588.228	7.490.922
239	613.328	7.453.116
240	603.329	7.474.126
241	611.294	7.477.461
242	612.870	7.468.580
243	610.331	7.487.247
244	609.881	7.465.463
245	613.408	7.465.463
246	609.788	7.487.831
247	609.877	7.477.198