

72-18

CORPORACION AUTONOMA REGIONAL DEL CAUCA

CALI - COLOMBIA

BOLETIN HIDROLOGICO

Valle del Cauca

1971-1972

DEPTO. DE AGUAS

INFORME CVC 72-18

SECCION DE HIDROCLIMATOLOGIA

1973



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I N T R O D U C C I O N

El presente "Boletín Hidrológico" es el segundo publicado por la Corporación Autónoma Regional del Cauca CVC., como base informativa de los registros de caudales en el río Cauca y sus principales afluentes, lo que constituye parte fundamental en el estudio de las cuencas y hoyas que forman el conjunto de la red hidrográfica de un país.

La CVC tiene como uno de sus objetivos el estudio de los recursos hidráulicos en su jurisdicción y por esta razón ha instalado y opera en la actualidad una amplia red de estaciones hidrológicas, cuyo fin primordial es el de proveer la información necesaria para los estudios correspondientes.

Con el fin de que este Boletín sea de un mayor interés general, para cada estación de aforos y siguiendo el respectivo cuadro de gastos medios diarios del año 1972, se incluye un resumen general con datos de los años anteriores en el cual aparecen los caudales promedios mensuales y anuales y los caudales máximos y mínimos (picos instantáneos observados y/o registrados) del mes y anuales, expresados todos estos caudales en metros cúbicos por segundo.

En los archivos del Departamento de Aguas se encuentran datos de años anteriores que aunque no se publicaron en su totalidad, pueden ser suministrados a cualquier persona o entidad que los solicite.

El Jefe del Departamento de Aguas agradece la colaboración de todo el personal que en una u otra forma contribuyó para el logro de la presente publicación.

ALBERTO PATIÑO MEJIA

Jefe

Departamento de aguas CVC.

INFORMACION GENERAL

Los datos que se publican en el presente boletín han sido obtenidos y calculados por personal de la CVC, al igual que los trabajos de campo (aforos, nivelaciones, obras de ingeniería, etc), los que han sido realizados por comisiones de campo especialmente dotadas para trabajos de índole hidrológico.

La relación completa de las estaciones publicadas al comienzo de este volumen y su ubicación se puede apreciar, por las coordenadas geográficas aproximadas en el mapa de la región, el cual se anexa al final del boletín.

La información general para cada estación comprende, caudales promedios diarios, el total mensual, el promedio, el máximo y el mínimo instantáneo ocurridos para cada mes. Cuando los caudales promedios diarios son obtenidos por lecturas de mira, estos son deducidos de la tabla de calibración y corresponden al promedio de tres lecturas de mira diarias. Cuando su obtención se realiza por interpretación de la gráfica del limnigrafo, los caudales corresponden a un promedio diario de niveles horarios y bihorarios, según el caso.

Cuando los máximos y mínimos instantáneos se obtienen por lecturas de mira, éstos corresponden a la mayor y menor lectura de mira, respectivamente. Si se obtienen por interpretación de la gráfica del limnigrafo, corresponden al máximo y mínimo absoluto ocurrido durante el mes. Cuando los caudales normales de un río tiene un orden de magnitud pequeño, éstos se han aproximado al décimo de metro cúbico por considerarse valiosa esta información. En los demás casos el caudal se expresa en metros cúbicos enteros.

El tratamiento de los datos de observación y los cálculos de oficina se han efectuado dentro de las normas vigentes para esta clase de trabajos. Cuando existen o no han sido posible obtenerlos por correlación en el lugar correspondiente aparece un guión. En los casos en los cuales un mes dado no está completo, tanto el total como el promedio aparecen entre paréntesis.

ESTACIONES HIDROLOGICAS

No de orden	E S T A C I O N	LOCALIZACION		ALTURA m. s. m	INSTRUMENTO	FECHA DE INSTALACION
		Lat. N.	Long. W			
1	Rfo cauca -Anacaro	4° 47'	75° 58'	901.98	Limnigrafo	VIII - 1945
2	Rfo Cauca -Guayabal	4° 24'	76° 06'	911.77	Limnigrafo	III -17-1955
3	Rfo Cauca -Hormiguero	3° 18'	76° 29'	955.25	Limnigrafo	III -21-1965
4	Rfo Cauca -Juanchito	3° 27'	76° 29'	949.07	Limnigrafo	I - 1934
5	Rfo Cauca -La Balsa	3° 05'	76° 39'	986.25	Limnigrafo	VIII-25-1945
6	Rfo Cauca -La Bolsa	3° 12'	76° 30'	964.10	Limnigrafo	VII - 1-1967
7	Rfo Cauca -La Victoria	4° 31'	76° 03'	907.41	Limnigrafo	IX -1- 1958
8	Rfo cauca -Rfo Frio	4° 08'	76° 16'	924.15	Limnigrafo	IV - 1955
9	Rfo Cauca -Salvajina	2° 57'	76° 43'	1.028.97	Limnigrafo	VIII-11-1946
10	Rfo Amaime-Abajo	3° 39'	76° 23'	965.00	Limnigrafo	VIII-5 -1971
11	Rfo Bolo -Arriba	3° 28'	76° 18'	978.00	Limnigrafo	VIII - 1960
12	Rfo Cali -Bomberos	3° 27'	76° 32'	1.000.00	Limnigrafo	VII - 8-1971

ESTACIONES HIDROLOGICAS

No de Orden	ESTACION	LOCALIZACION		ALTURA m. s. m	INSTRUMENTO	FECHA DE INSTALACION
		Lat. N.	Long. W			
13	Río El Teta -Lomitas	3° 02'	76° 35'	1,022.00	Limnógrafo	V - 1971
14	Río Fraile -Buchitolo	3° 23'	76° 21'	980.80	Limnógrafo	VI - 1961
15	Río Jamundi -Potrerito	3° 15'	76° 36'	1,011.00	Limnógrafo	I - 1946
16	Río La Quebrada Cabilto	3° 04'	76° 24'	1,060.00	Limnógrafo	II 2 1971
17	Río La Vieja -Cartago	3° 46'	76° 56'	913.94	Limnógrafo	IX - 1953
18	Río Ovejas -Abajo	2° 52'	76° 33'	1,263.10	Limnógrafo	V 12 1964
19	Río Palo-Pto Tajada	3° 14'	76° 26'	966.00	Limnógrafo	I - 1966
20	Río Quillichao"La piscina"	3° 00'	76° 29'	1,100.00	Limnógrafo	VIII - 1965
21	Río Quinamayó	3° 02'	76° 31'	1,006.00	Limnógrafo	I 5 1970
22	Río Timba	3° 06'	76° 39'	998.58	Limnógrafo	III - 1962
23	Río Tuluá -Mateguadua	4° 01'	76° 10'	1,115.00	Limnógrafo	IV - 1967
24	Río Pescador Bolívar	4° 22'	76° 13'	929.00	Limnógrafo	I - 1971

ESTACION RIO CAUCA ANACARO

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	554	674	934	1213	780	971	549	265	323	282	647	689
2	523	653	919	1199	762	966	523	249	376	328	664	653
3	497	626	879	1204	740	917	538	250	384	311	770	620
4	479	620	889	1242	821	881	605	247	371	355	796	605
5	513	679	843	1197	893	885	605	268	346	408	796	613
6	563	696	798	1174	851	874	531	317	336	433	800	615
7	748	698	784	1171	874	831	486	325	333	467	812	603
8	934	704	792	1197	910	792	450	341	344	455	800	561
9	945	704	772	1190	934	746	424	330	360	424	949	513
10	926	683	750	1201	928	730	428	299	354	441	960	483
11	915	672	730	1183	885	700	481	277	403	488	845	469
12	902	662	722	1165	872	666	505	274	450	483	808	451
13	902	666	722	1153	866	679	536	274	424	581	788	443
14	908	693	720	1114	870	683	550	274	395	607	752	429
15	928	720	740	1079	891	653	547	264	343	613	740	412
16	971	732	778	1035	891	638	518	256	327	613	683	404
17	1026	744	851	1013	883	617	776	259	359	601	683	383
18	1032	780	912	1004	889	613	436	292	347	586	810	381
19	1041	860	955	991	919	628	384	283	328	586	812	379
20	1019	864	999	971	953	634	351	267	327	596	772	388
21	975	879	1026	966	984	634	327	265	302	588	764	451
22	938	879	1004	951	986	643	310	292	323	577	744	514
23	900	874	1017	910	1004	645	294	325	308	568	728	541
24	868	870	1043	874	984	630	286	362	323	570	710	609
25	839	874	1059	839	999	590	296	351	346	634	714	658
26	810	889	1089	808	1019	520	335	319	317	647	734	677
27	788	906	1091	796	1006	514	362	381	319	649	742	681
28	772	928	1116	815	995	498	336	441	288	624	746	696
29	748		1225	808	977	498	305	386	264	649	744	691
30	734		1209	782	1024	525	300	381	259	632	720	666
31	685		1223		991		283	352		615		649
TOT:	25383	21229	28591	31245	28381	20801	13357	9466	10279	16411	23033	16927
PRO:	819	758	922	1042	916	693	431	305	343	529	768	546
MAX:	1048	936	1257	1257	1054	986	626	462	455	691	1063	706
MIN:	476	611	718	776	738	492	273	246	255	264	638	378

ESTACION RIO GAUGA "ANACARO"
Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	619	780	445	570	641	576	343	218	168	177	252	434
2	603	764	417	550	628	540	355	199	166	166	365	463
3	568	740	409	514	586	516	497	182	197	162	446	500
4	532	720	401	479	572	478	531	165	208	163	502	594
5	511	687	409	438	561	462	534	152	189	179	513	590
6	498	638	403	416	554	448	498	147	173	154	590	541
7	505	592	384	398	561	429	438	144	169	141	592	495
8	495	645	406	384	568	428	376	141	173	151	567	451
9	458	670	436	371	568	409	366	138	175	138	474	431
10	445	732	486	352	568	465	329	135	158	148	428	436
11	440	776	490	386	561	550	309	139	141	165	411	438
12	440	819	486	423	543	540	284	133	144	162	368	443
13	585	856	504	450	531	620	283	138	150	208	367	440
14	547	858	493	478	504	545	303	142	138	317	400	412
15	500	829	431	445	543	554	378	155	133	371	388	376
16	536	817	379	483	536	572	317	166	134	294	440	352
17	647	817	349	474	527	549	275	154	142	313	525	351
18	689	790	341	431	538	554	257	162	151	292	545	352
19	696	770	335	433	531	474	284	180	165	238	596	349
20	704	736	355	460	586	417	257	175	202	199	550	398
21	704	698	391	532	658	398	269	200	246	177	534	476
22	689	660	479	586	760	411	281	238	219	180	493	540
23	674	619	509	624	579	381	253	216	225	180	592	558
24	681	581	572	586	565	359	237	228	252	191	630	525
25	702	545	636	563	576	355	226	197	218	194	643	486
26	712	504	638	531	567	379	225	189	190	197	624	446
27	738	472	622	502	579	363	233	169	179	180	583	395
28	740	451	600	532	728	359	215	156	168	180	540	363
29	754	465	592	550	708	351	208	150	154	156	554	346
30	774		598	585	679	339	219	148	152	166	545	320
31	782		590		619		232	165		194		300
TOT	18968	20031	14586	14526	18225	13821	9812	5221	5279	6133	15057	13601
PROM	612	691	471	484	588	461	317	168	176	198	502	439
MAX	784	891	638	632	837	603	534	257	268	390	648	658
MIN	433	472	335	347	498	339	208	132	116	124	303	338

ESTACION RIO CAUCA ANACARO

Caudales Promedios Mensuales y Anuales

en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1962	282	333	356	340	553	536	319	239	127	342	417	494	362
1963	327	538	474	667	685	419	251	229	150	164	584	345	403
1964	278	201	152	422	424	616	365	278	252	323	514	556	365
1965	435	255	190	458	599	263	157	114	108	272	577	629	338
1966	328	181	181	216	368	335	253	179	145	268	612	1007	339
1967	544	451	459	379	512	520	300	213	121	218	647	507	406
1968	289	365	348	502	382	445	322	205	221	489	609	608	399
1969	315	325	204	585	769	484	233	146	125	566	652	476	407
1970	303	373	501	412	614	535	242	190	193	575	1070	810	485
1971	819	758	922	1042	916	693	431	305	343	529	768	546	673
1972	612	691	471	484	588	461	317	168	176	198	502	439	426

ESTACION RIO CAUCA ANACARO

Caudales máximos y mínimos mensuales y anuales

en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1962	Max 423	442	527	500	789	673	472	335	211	437	637	809	809
	Min 197	222	211	203	309	312	222	172	114	177	232	366	114
1963	Max 411	675	639	791	889	641	285	327	173	285	811	460	839
	Min 257	374	353	449	435	273	202	155	112	128	259	198	112
1964	Max 376	304	239	797	654	726	396	361	330	559	631	787	797
	Min 166	110	121	116	299	352	272	195	188	167	332	348	110
1965	Max 527	420	221	829	893	455	205	132	142	654	944	874	944
	Min 317	185	151	149	433	180	121	96	87	107	249	390	87
1966	Max 515	238	311	389	539	474	341	240	205	340	868	1159	1159
	Min 198	130	121	139	196	241	179	150	107	105	303	773	105
1967	Max 1133	597	672	605	782	744	441	327	146	496	894	836	1133
	Min 317	335	303	280	386	352	236	143	100	130	388	327	100
1968	Max 454	569	498	791	531	627	481	473	303	708	904	974	974
	Min 205	241	275	236	283	320	227	118	183	224	368	340	118
1969	Max 501	426	291	977	1046	712	405	189	319	721	812	600	1046
	Min 219	269	159	203	420	332	151	124	85	307	496	332	85
1970	Max 458	542	763	596	999	845	374	263	242	977	1235	1051	1235
	Min 243	223	294	248	424	347	172	144	155	242	814	579	144
1971	Max 1048	936	1257	1257	1054	986	626	462	455	691	1063	706	1257
	Min 476	611	718	776	738	492	273	246	255	264	638	378	246
1972	Max 784	891	638	632	837	603	534	257	268	390	648	658	891
	Min 433	472	335	347	498	339	208	132	116	124	303	338	116

ESTACION RIO CAUCA GUAYABAL

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	525	649	924	1131	697	887	511	254	319	272	592	635
2	499	617	885	1147	666	871	495	248	375	240	615	600
3	470	594	837	1144	691	851	529	248	346	279	676	566
4	468	609	785	1155	766	813	504	244	336	373	723	564
5	522	620	793	1155	776	776	525	293	321	403	729	571
6	545	646	762	1144	789	748	471	316	321	423	742	575
7	735	651	750	1138	829	714	436	335	315	433	742	543
8	831	657	770	1140	837	689	413	341	328	420	733	501
9	839	620	731	1136	853	666	400	312	331	395	766	466
10	849	591	695	1118	833	666	433	287	363	441	823	444
11	851	606	680	1096	823	629	476	273	439	431	768	428
12	855	594	664	1061	827	598	504	272	425	488	746	415
13	865	629	683	1027	827	646	523	276	401	596	731	395
14	889	676	695	991	823	602	522	267	352	589	687	378
15	932	678	714	949	825	592	522	259	316	615	681	378
16	997	685	723	903	823	570	482	250	305	556	613	355
17	1027	700	793	853	831	566	448	267	344	534	619	347
18	1023	748	849	843	833	594	398	290	319	513	733	343
19	989	779	851	821	855	604	354	267	319	536	719	351
20	955	807	863	801	875	576	331	251	297	552	702	401
21	928	813	922	819	911	615	313	287	279	550	689	482
22	901	825	920	805	916	609	297	297	307	532	664	478
23	873	841	918	797	920	563	287	341	285	511	655	504
24	847	853	932	791	930	532	285	338	352	554	642	587
25	823	893	939	760	939	504	313	315	308	566	644	620
26	799	893	983	742	947	475	343	296	299	640	666	649
27	758	905	1016	740	937	470	346	385	291	613	681	655
28	710	932	1027	738	924	468	310	362	259	575	718	662
29	706		1103	721	909	473	297	368	247	550	687	628
30	680		1087	721	911	523	290	355	235	557	659	613
31	657		1133		905		270	406		561		592
TOT:	24348	20111	26427	28387	26228	18890	12628	9300	9734	15288	20845	15726
PRO:	785	718	852	946	846	630	407	300	324	493	694	507
MAX:	1031	943	1109	1160	947	891	561	409	453	642	849	670
MIN:	453	587	662	714	661	461	266	242	234	235	566	341

ESTACION RIO CAUCA " GUAYABAL"
 Caudales Promedios Diarios en m³/s
 AÑO CALENDARIO
 1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	578	770	413	576	628	534	333	201	143	166	279	400
2	561	762	398	532	580	501	362	184	172	155	392	468
3	515	723	395	482	539	465	517	167	198	152	437	561
4	492	662	388	442	556	444	518	153	186	153	488	598
5	480	615	393	416	529	431	504	132	167	146	482	548
6	475	564	378	395	522	390	454	141	160	118	554	492
7	476	548	378	380	554	383	400	134	164	127	556	442
8	451	615	409	368	548	367	344	130	168	118	475	415
9	423	642	448	351	532	365	335	127	155	134	413	413
10	425	737	475	344	538	404	302	127	132	146	403	411
11	413	758	454	415	523	510	284	137	126	144	376	426
12	413	803	476	408	510	529	262	132	144	175	335	420
13	570	813	480	456	508	494	261	130	139	224	346	398
14	483	819	433	433	478	511	279	141	122	357	368	357
15	468	809	376	458	497	475	346	165	114	351	368	338
16	520	805	344	466	478	497	291	143	118	318	429	319
17	659	791	336	428	485	468	254	147	123	293	470	328
18	678	766	330	416	483	453	237	161	133	241	538	310
19	680	729	322	420	508	425	262	167	169	197	534	330
20	672	695	352	470	547	387	248	167	200	172	478	415
21	629	637	415	511	624	388	258	230	222	160	463	453
22	609	600	448	611	729	371	259	225	197	164	487	529
23	644	582	459	592	689	352	234	193	242	175	545	501
24	672	550	592	545	742	331	219	193	215	181	580	482
25	678	504	611	532	733	343	210	191	181	189	591	431
26	706	470	570	496	737	347	209	177	168	168	561	388
27	712	446	534	483	700	339	216	153	153	167	518	354
28	725	429	538	511	683	341	209	143	141	147	487	331
29	748	441	589	508	668	328	207	143	126	147	456	310
30	760		570	573	626	321	225	136	142	161	428	448
31	766		578		573		224	150		178		431
TOT	18081	19085	13882	14012	18047	12494	9263	4920	4820	5724	13837	13047
PROM	583	658	448	467	582	416	299	159	161	185	461	421
MAX	766	825	619	622	742	538	525	238	248	357	589	598
MIN	409	426	322	339	461	321	207	125	111	118	279	310

ESTACION RIO CAUCA GUAYABAL

Caudales Promedios Mensuales y Anuales

en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro anual
1958											272	305	
1959	305	178	160	208	377	388	268	158	138	240	329	419	264
1960	658	674	329	445	461	275	253	177	152	229	495	604	396
1961	266	257	229	445	322	299	254	161	116	152	565	370	286
1962	293	297	349	344	602	516	290	209	141	291	402	480	351
1963	323	478	436	659	663	385	251	218	137	164	607	323	387
1964	275	198	167	403	394	582	339	268	245	304	463	500	345
1965	397	244	188	416	528	253	162	118	110	277	536	568	316
1966	321	182	192	224	362	320	246	177	141	266	562	896	324
1967	514	456	168	379	471	477	295	214	124	231	596	481	392
1968	281	357	338	483	372	429	321	207	227	462	544	547	381
1969	306	310	188	537	678	448	228	141	111	510	581	444	374
1970	291	363	467	376	530	480	228	184	185	506	919	738	439
1971	785	718	852	946	846	630	407	300	324	493	694	507	625
1972	583	658	448	467	582	416	299	159	161	185	461	421	403

ESTACION RIO CAUCA GUAYABAL

Caudales Máximos y Mínimos mensuales y anuales

en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1958 Max										164	503	561	
Min										111	156	191	
1959 Max	601	251	197	466	692	522	411	192	175	453	540	555	692
Min	176	149	141	145	225	237	192	126	110	111	184	281	110
1960 Max	909	845	458	615	678	345	359	234	199	636	711	802	909
Min	338	370	260	309	288	204	198	154	119	110	350	341	110
1961 Max	341	401	390	770	563	472	350	219	146	227	736	530	770
Min	211	171	150	250	222	224	174	117	99	91	181	248	91
1962 Max	393	401	559	520	756	711	425	333	178	463	625	696	756
Min	242	217	208	219	456	372	225	155	119	173	224	262	119
1963 Max	500	663	615	801	855	611	321	302	159	241	809	454	855
Min	266	314	358	406	383	262	220	149	122	129	241	244	122
1964 Max	502	298	212	676	589	801	449	372	339	511	551	648	801
Min	167	138	140	142	267	386	259	201	199	162	340	392	138
1965 Max	629	362	224	692	734	424	209	138	150	604	781	757	781
Min	311	164	151	147	389	184	124	103	88	99	259	370	88
1966 Max	508	240	349	411	535	447	327	249	209	348	731	1033	1033
Min	201	129	125	141	196	233	176	151	98	99	263	718	98

ESTACION RIO CAUCA GUAYABAL

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1967	Max	1026	570	720	630	664	702	414	328	153	540	791	808	1026
	Min	327	367	310	282	363	340	233	149	96	141	364	318	96
1968	Max	420	568	487	733	535	627	476	441	305	685	771	822	822
	Min	210	244	265	235	283	310	236	125	184	229	345	337	125
1969	Max	478	376	261	799	887	661	393	177	300	662	700	532	887
	Min	213	250	141	203	395	318	147	113	61	300	453	330	61
1970	Max	423	518	681	548	857	742	328	264	254	750	1085	928	1085
	Min	234	221	284	235	365	322	160	137	137	254	693	530	137
1971	Max	1031	943	1109	1160	947	891	561	409	453	642	849	670	1160
	Min	453	587	662	714	661	461	266	242	234	235	566	341	234
1972	Max	766	825	619	622	742	538	525	238	248	357	589	598	825
	Min	409	426	322	339	461	321	207	125	111	118	279	310	111

ESTACION RIO CAUCA HORMIGUERO

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	329	354	401	718	448	396	269	129	196	159	358	336
2	336	396	434	720	426	352	268	131	177	171	366	336
3	339	401	448	747	450	308	249	196	153	179	575	386
4	403	447	493	782	535	360	261	189	172	226	548	415
5	583	439	461	722	---	369	235	220	168	262	452	383
6	614	399	408	644	---	356	221	194	156	251	426	361
7	747	399	380	572	---	348	215	167	141	239	443	340
8	833	378	378	591	---	360	239	155	193	262	459	316
9	814	369	408	552	514	287	286	151	262	268	493	262
10	794	410	378	521	457	305	295	147	271	278	516	278
11	771	439	371	483	412	364	298	149	206	356	481	268
12	716	441	393	450	457	321	283	140	175	391	394	258
13	609	474	378	401	470	352	265	135	167	399	376	257
14	618	514	381	412	431	301	264	133	175	369	315	240
15	591	527	394	393	504	331	251	132	161	328	313	235
16	593	544	504	369	609	304	210	161	150	295	331	216
17	638	607	506	457	538	296	188	150	181	296	342	236
18	572	648	525	479	632	342	173	137	173	316	415	274
19	605	729	622	466	493	536	167	125	149	347	413	360
20	688	762	587	412	497	415	155	194	140	331	369	290
21	620	727	731	448	508	323	146	217	163	301	361	308
22	642	690	684	450	516	315	147	197	196	284	358	429
23	558	705	665	510	607	302	177	186	193	298	352	479
24	490	614	665	512	544	292	199	194	196	315	360	529
25	468	570	667	434	560	254	203	197	183	356	413	517
26	459	457	659	355	603	251	172	172	156	356	456	457
27	519	420	661	419	558	259	159	185	145	315	427	412
28	477	434	607	512	456	302	162	192	137	315	403	389
29	461		686	468	483	318	151	164	150	355	394	366
30	536		718	404	519	268	137	175	157	356	361	375
31	445		701		470		134	212		360		383
TOT	17868	14394	16294	15403	(13697)	9887	6579	5226	5242	9334	12270	10691
PRO	576	514	526	513	(527)	330	212	169	175	301	409	345
MAX	989	764	733	785	(640)	572	299	226	299	427	618	554
MIN	316	364	369	337	(410)	246	131	123	137	158	308	233

ESTACION RIO CAUCA " HORMIGUERO "

Caudales Promedios Diarios en M³/s.

AÑO CALENDARIO

1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	364	445	241	319	341	279	351	104	123	83	304	293
2	320	404	236	281	351	264	384	96	117	97	269	443
3	313	366	279	263	372	250	362	92	108	96	278	445
4	328	350	249	244	341	240	288	90	106	89	413	393
5	323	334	227	240	351	226	211	87	121	86	450	340
6	302	345	259	240	381	213	192	83	121	78	338	287
7	304	388	293	220	347	230	208	81	101	85	279	285
8	305	556	340	203	356	237	203	86	92	92	275	278
9	292	595	293	198	360	255	171	83	104	97	261	290
10	261	628	278	236	341	284	166	86	103	114	234	298
11	259	684	323	300	319	284	155	93	95	162	255	295
12	272	729	308	284	299	285	177	101	88	251	257	266
13	274	667	243	250	293	296	261	95	81	242	263	248
14	258	575	217	340	278	317	295	93	80	251	306	230
15	283	490	212	257	255	321	169	110	78	208	267	211
16	432	432	215	238	260	298	176	226	97	168	323	202
17	570	436	199	264	288	252	194	107	121	136	350	194
18	481	474	206	253	340	246	188	124	107	121	311	236
19	399	448	225	263	368	242	178	157	97	109	292	323
20	386	299	274	344	316	231	173	164	113	105	290	334
21	413	371	353	463	377	219	160	128	180	114	301	379
22	583	377	348	372	473	192	139	136	130	134	360	351
23	525	341	539	380	599	194	132	128	119	127	398	316
24	512	303	431	340	567	189	135	107	108	115	409	301
25	548	287	340	292	504	187	150	99	93	106	400	269
26	618	270	366	386	463	191	140	95	86	104	372	230
27	684	256	392	305	505	200	140	92	84	97	340	227
28	686	267	366	320	409	217	166	86	92	93	343	212
29	663	248	398	488	371	200	158	83	94	100	282	203
30	595		423	412	341	189	135	88	91	181	255	198
31	506		379		307		127	105		276		192
TOT	13059	12365	9352	8995	11473	7228	5984	3205	3130	4117	9475	8769
PROM	421	426	302	300	370	241	193	103	104	133	316	283
MAX	701	(736)	536	505	603	328	402	178	199	312	477	566
MIN	252	(329)	186	193	255	178	121	82	76	76	230	191

ESTACION RIO CAUCA HORMIGUERO

Caudales Promedios Mensuales y Anuales.
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1961										109	421	299	
1962	249	254	287	262	407	341	186	139	87	192	324	398	261
1963	256	394	338	488	439	247	159	140	85	105	419	244	276
1964	196	156	125	328	280	354	209	164	154	214	360	409	246
1965	298	169	139	305	348	168	128	91	76	189	408	409	227
1966	226	126	143	169	268	215	167	123	100	193	423	800	246
1967	263	335	348	225	277	295	176	131	74	165	455	297	253
1968	186	294	241	321	228	253	216	122	140	303	393	323	252
1969	228	243	148	385	420	293	163	103	87	317	395	342	260
1970	213	298	355	258	349	310	152	127	134	342	674	470	307
1971	576	514	526	513	(527)	330	212	169	175	301	409	345	383
1972	421	426	302	300	370	241	193	103	104	133	316	283	266

ESTACION RIO CAUCA HORMIGUERO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1961	Max									165	562	477	562
	Min									56	147	197	56
1962	Max	388	372	465	420	585	487	263	327	151	338	598	670
	Min	183	168	159	160	310	254	134	89	63	112	149	200
1963	Max	345	587	443	687	634	564	217	279	123	225	676	463
	Min	187	232	263	294	217	151	131	84	72	71	219	170
1964	Max	421	318	169	587	510	546	302	271	219	465	496	655
	Min	120	102	103	115	170	201	156	120	127	111	219	280
1965	Max	566	325	176	652	623	265	175	131	134	507	756	697
	Min	216	123	113	114	236	131	92	71	55	69	157	264
1966	Max	445	169	280	384	445	301	268	187	142	339	692	1024
	Min	128	98	91	101	143	156	118	98	69	90	187	490
1967	Max	490	493	705	345	427	591	253	226	92	478	794	516
	Min	182	234	202	165	177	188	131	83	54	72	209	188
1968	Max	286	529	372	571	318	510	403	230	213	655	722	680
	Min	119	192	179	158	173	170	156	73	104	136	208	191
1969	Max	401	301	196	630	720	481	283	141	257	493	566	474
	Min	146	196	112	161	236	197	108	78	51	221	271	220
1970	Max	342	432	718	408	740	531	206	201	391	519	891	657
	Min	172	172	213	175	226	184	112	84	90	190	415	316
1971	Max	989	764	733	785	(640)	572	299	226	299	427	618	554
	Min	316	364	369	337	(410)	246	131	123	137	158	308	233
1972	Max	701	(736)	536	505	603	328	402	178	199	312	477	566
	Min	252	(329)	186	193	255	178	121	82	76	76	230	191

ESTACION RIO CAUCA JUANCHITO

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic.
1	333	417	457	397	372	482	278	131	214	156	432	368
2	312	398	459	925	408	414	287	127	173	149	536	371
3	310	372	473	952	462	362	266	154	168	176	631	410
4	320	441	551	971	490	338	277	158	171	238	595	430
5	436	526	559	963	505	389	259	197	179	277	584	403
6	554	520	479	897	556	398	227	216	173	259	584	352
7	736	450	459	781	659	361	216	183	149	240	578	304
8	857	397	433	738	639	432	231	165	197	286	536	282
9	967	386	423	675	653	360	317	149	277	257	587	276
10	1.058	405	385	616	561	333	306	147	317	253	573	271
11	1.067	473	417	562	487	355	335	148	228	374	565	259
12	1.017	536	521	507	487	345	320	144	194	444	521	253
13	917	528	545	463	490	372	302	140	179	411	469	238
14	794	587	569	459	469	340	290	131	169	404	432	237
15	693	639	594	477	484	300	280	150	167	348	447	219
16	666	599	618	410	575	333	238	133	158	345	360	213
17	684	618	644	395	656	316	195	130	182	342	348	227
18	672	721	683	565	661	342	175	123	168	361	471	253
19	661	321	693	619	705	429	164	125	154	395	494	369
20	637	847	736	516	635	453	158	148	140	383	412	339
21	609	859	773	491	661	357	148	228	141	365	407	311
22	607	853	794	439	582	362	143	176	195	358	397	418
23	572	853	812	427	559	314	176	140	187	360	386	451
24	521	790	831	513	584	285	201	127	192	395	392	590
25	469	675	837	507	612	282	227	201	179	407	451	544
26	447	565	865	410	666	264	180	180	148	418	523	507
27	463	493	855	397	606	263	170	212	147	442	572	456
28	462	507	839	463	532	316	177	224	132	407	451	433
29	456		865	488	529	340	155	176	142	450	445	408
30	463		883	405	551	299	141	168	147	436	408	401
31	438		889		544		134	223		441		454
TOT	19238	16276	19941	17928	17380	10536	6973	5054	5367	10577	14587	11047
PRO	621	581	643	598	561	351	225	163	179	341	486	356
MAX	1074	863	942	979	747	518	354	204	348	597	863	609
MIN	303	367	372	371	360	251	131	122	131	140	325	211

ESTACION RIO CAUCA " JUANCHITO"
 Caudales Promedios Diarios en m³/s
 AÑO CALENDARIO
 1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	369	474	253	338	362	299	348	106	128	87	315	268
2	345	435	248	297	372	282	398	97	119	125	268	577
3	329	403	295	277	395	268	412	93	107	92	254	468
4	333	369	263	257	362	257	323	91	109	82	235	379
5	360	348	238	252	372	244	239	87	124	84	473	344
6	326	348	273	252	405	231	204	83	129	73	351	294
7	293	382	310	231	368	231	216	81	109	91	273	389
8	291	529	360	212	378	242	194	86	87	83	298	276
9	295	666	310	207	382	278	177	83	95	78	260	300
10	270	659	293	248	361	288	166	79	113	108	231	306
11	267	697	342	317	338	307	150	86	98	142	239	321
12	304	784	326	300	316	297	170	99	87	242	263	273
13	289	742	256	263	310	277	257	101	81	242	252	256
14	270	651	228	360	293	324	207	99	78	218	307	234
15	293	539	222	271	269	307	162	91	72	228	281	224
16	442	496	225	250	274	327	146	122	91	169	326	211
17	607	471	208	278	304	262	188	106	122	135	444	203
18	582	504	216	267	360	255	171	102	118	117	361	240
19	459	438	236	277	391	222	185	184	94	106	316	333
20	411	401	289	365	335	212	185	159	102	99	295	361
21	445	394	266	493	400	219	162	123	188	108	315	256
22	611	400	369	395	504	212	144	136	141	126	326	370
23	565	361	575	404	640	198	136	131	108	124	431	326
24	552	320	459	360	606	199	139	112	107	112	416	280
25	599	303	360	309	537	210	155	98	98	104	388	260
26	633	285	388	410	493	215	144	93	86	95	349	243
27	732	270	417	323	539	214	144	92	82	92	325	235
28	730	282	388	339	435	203	173	87	93	87	316	218
29	716	261	423	520	394	185	164	83	99	96	278	204
30	672		450	438	361	178	139	83	89	144	257	194
31	545		403		331		130	108		237		187
TOT	13935	13212	9888	9510	12187	7443	6128	3181	3154	3926	9443	9030
PROM	449	455	319	317	393	248	197	102	105	127	315	291
MAX	734	792	572	539	644	332	418	195	198	312	480	403
MIN	264	257	194	202	269	175	124	80	71	73	227	125

ESTACION RIO CAUCA JUANCHITO

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1956	628	450	400	302	318	428	217	167	152	344	319	386	343
1957	360	174	269	319	408	357	162	100	80	133	213	342	243
1958	192	155	119	192	246	161	113	117	74	95	230	285	165
1959	254	144	129	160	263	287	184	110	91	177	252	339	199
1960	498	483	248	342	334	183	176	120	101	155	318	427	282
1961	183	171	157	319	214	210	180	112	72	104	415	279	201
1962	237	243	279	252	423	331	189	139	91	197	325	400	259
1963	262	393	330	496	449	285	194	175	100	177	437	260	292
1964	220	172	134	344	308	397	246	188	174	229	369	415	266
1965	293	185	156	330	369	180	121	93	78	199	419	429	238
1966	262	143	153	182	279	228	178	131	100	208	436	836	261
1967	288	349	343	249	296	315	191	138	84	165	471	305	266
1968	202	283	251	340	242	270	224	131	148	325	407	346	265
1969	234	250	146	401	432	303	155	101	86	326	417	341	266
1970	217	305	364	266	370	326	153	130	133	359	726	491	320
1971	621	581	643	598	561	351	225	163	179	341	486	356	425
1972	449	455	319	317	393	248	197	102	105	127	315	291	277

ESTACION RIO CAUCA JUANCHITO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1956	Max	878	636	712	569	461	580	427	280	272	666	515	727	878
	Min	343	315	237	213	213	289	151	123	105	120	237	217	105
1957	Max	741	287	436	515	753	737	254	166	95	247	823	717	823
	Min	199	132	194	194	208	197	110	82	66	67	113	191	66
1958	Max	285	226	177	446	582	251	210	218	126	179	619	647	647
	Min	150	115	90	98	161	106	82	87	61	59	118	159	59
1959	Max	621	259	201	369	580	450	357	155	129	333	387	524	621
	Min	152	105	102	106	160	182	132	85	66	71	131	214	66
1960	Max	839	767	397	480	527	298	254	211	160	505	559	827	839
	Min	225	239	189	246	198	128	132	92	67	56	178	212	56
1961	Max	266	312	350	541	313	391	322	191	115	157	622	478	622
	Min	138	110	86	175	148	148	123	69	53	54	145	186	53
1962	Max	551	389	471	420	680	484	248	303	143	336	613	692	692
	Min	189	153	155	159	304	237	137	94	70	119	142	199	70
1963	Max	337	613	401	711	664	570	238	237	134	226	709	484	711
	Min	222	250	259	358	273	206	171	128	77	77	216	195	77

ESTACION RIO CAUCA JUANCHITO

Caudales Máximos y mínimos mensuales y anuales.
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1964	Max 449	316	193	678	543	610	306	279	253	463	534	688	688
	Min 125	106	112	125	223	270	201	137	132	109	249	265	106
1965	Max 430	329	198	715	694	279	156	134	137	480	736	677	736
	Min 235	124	114	120	248	136	91	71	56	63	183	272	56
1966	Max 472	186	335	402	464	322	264	214	178	359	695	1059	1059
	Min 179	100	91	100	152	173	132	100	70	81	183	509	70
1967	Max 509	512	738	406	472	618	309	250	160	589	817	545	817
	Min 217	245	224	183	214	217	138	85	60	77	219	211	60
1968	Max 312	557	400	616	376	531	405	235	223	647	749	707	749
	Min 149	181	191	160	179	180	141	79	111	143	217	203	79
1969	Max 414	335	192	643	766	541	315	140	296	542	633	481	766
	Min 149	192	102	149	239	191	101	77	49	203	294	221	49
1970	Max 342	477	738	433	782	571	211	230	395	554	936	732	936
	Min 168	181	214	173	237	193	109	82	88	190	461	323	82
1971	Max 1074	863	942	979	747	518	354	244	348	597	863	609	1074
	Min 303	367	372	371	360	251	131	122	131	140	325	211	123
1972	Max 734	792	572	539	644	322	418	195	198	312	480	403	792
	Min 264	257	194	202	269	175	124	80	71	73	227	125	71

ESTACION RIO CAUCA LA BALSA

Caudales Promedios Diarios en m³ / seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	218	327	298	535	271	267	157	105	132	96	275	256
2	224	290	323	535	335	253	172	130	112	110	473	294
3	226	298	369	764	286	235	173	130	125	142	514	275
4	278	327	365	683	327	239	163	148	122	164	387	275
5	429	356	314	530	302	253	142	164	127	151	374	246
6	456	331	298	499	449	239	129	148	107	153	383	205
7	573	283	271	463	361	286	129	127	91	176	401	189
8	650	283	285	454	429	253	175	117	142	189	331	189
9	634	286	267	392	347	215	192	120	167	192	396	180
10	617	302	235	406	306	221	242	120	127	221	356	186
11	594	411	263	356	318	239	228	112	107	290	343	173
12	548	361	279	331	365	232	201	110	98	246	302	156
13	454	369	323	283	356	232	174	103	94	267	267	156
14	460	343	275	294	331	202	174	132	98	221	249	142
15	437	339	331	275	383	246	164	110	87	192	306	140
16	439	347	387	256	444	232	144	101	98	183	256	148
17	477	387	356	310	365	228	99	98	91	195	302	148
18	421	463	459	361	361	256	93	98	87	228	369	167
19	448	601	425	343	306	314	90	91	81	235	294	189
20	471	671	478	318	392	249	84	140	80	208	263	151
21	462	514	478	298	369	228	83	105	130	198	253	189
22	481	562	468	298	331	221	88	85	125	205	253	208
23	408	488	459	374	406	218	82	80	125	205	242	314
24	350	406	468	383	365	208	136	125	107	246	260	356
25	332	361	454	298	387	192	120	120	87	208	275	302
26	325	331	473	267	387	198	106	140	87	232	361	298
27	376	310	439	310	323	192	97	164	78	267	294	267
28	338	306	434	339	306	239	92	115	83	263	306	260
29	325		557	260	361	218	84	103	98	327	294	256
30	389		519	253	356	198	79	167	103	283	260	323
31	312		509		298		76	161		306		235
TOT:	13152	10653	11859	11468	10923	7003	4168	3769	3196	6599	9639	6873
PRO:	424	380	383	382	352	233	134	122	107	213	321	222
MAX:	652	849	790	931	641	535	253	239	212	499	573	509
MIN:	209	267	225	221	225	176	75	74	87	94	232	127

ESTACION RIO CAUCA " LA BALSA "

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	238	301	185	232	212	201	356	73	82	84	172	401
2	241	281	215	229	256	198	331	71	76	66	165	393
3	238	259	198	201	241	182	278	69	76	60	222	301
4	250	244	185	179	238	171	193	67	92	62	314	249
5	232	256	215	167	244	164	137	66	104	55	271	222
6	212	281	215	172	241	166	147	64	82	59	202	205
7	221	364	259	159	241	166	140	71	80	59	208	199
8	218	528	241	149	232	182	133	69	75	55	194	205
9	196	367	204	159	207	177	120	64	94	73	170	205
10	196	364	215	172	201	193	111	71	78	84	160	228
11	207	397	226	209	198	179	122	82	67	147	170	202
12	193	371	196	159	198	179	193	78	64	175	160	189
13	196	346	169	215	212	182	177	67	62	142	172	172
14	198	321	156	166	182	201	124	69	59	170	167	231
15	259	301	172	159	185	221	107	98	57	140	157	155
16	397	314	167	185	193	169	147	78	82	96	205	147
17	390	301	174	177	218	172	140	71	86	84	205	172
18	298	269	182	185	250	147	152	117	64	78	208	124
19	262	265	226	198	244	142	157	113	66	75	186	222
20	272	281	179	356	221	154	128	84	135	75	189	307
21	432	294	218	281	294	149	111	96	102	73	194	281
22	413	265	335	235	353	138	107	96	80	75	231	321
23	371	226	338	238	353	147	109	80	80	75	243	216
24	378	218	265	212	335	159	124	69	73	78	297	197
25	375	204	253	301	290	159	113	64	64	69	216	186
26	464	196	294	256	371	159	109	64	59	67	208	194
27	424	196	265	223	356	154	140	62	67	67	172	167
28	386	193	281	288	256	142	133	60	76	73	202	155
29	452	190	321	294	256	124	109	59	67	96	186	150
30	360		311	259	241	244	101	66	64	144	194	140
31	342		259		218		81	94		186		138
TOT	9311	8393	7119	6415	7737	5121	4630	2352	2313	2.842	6.040	6.674
PROM	300	289	229	214	249	171	149	75	77	92	201	215
MAX	589	756	493	480	532	375	401	165	170	216	393	658
MIN	182	179	154	149	174	120	78	57	52	51	147	174

ESTACION RIO CAUCA LA BALSA

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro.
1945										147	336	283	
1946	238	149	176	178	216	133	91	108	53	70	143	188	145
1947	182	174	110	87	115	141	129	103	120	319	391	199	173
1948	138	111	198	310	225	178	109	90	62	142	196	169	161
1949	205	221	188	192	257	191	146	113	82	179	480	405	222
1950	279	607	407	326	406	318	212	143	95	146	300	375	301
1951	254	235	217	167	---	161	148	86	75	132	285	289	186
1952	242	219	167	166	231	164	125	98	63	83	188	288	170
1953	187	175	155	207	228	174	127	82	66	222	418	403	204
1954	171	168	163	258	205	171	178	165	98	239	390	562	231
1955	413	252	309	307	297	231	203	136	124	252	343	531	283
1956	574	398	304	223	225	257	182	153	148	196	192	248	258
1957	220	131	155	166	236	211	105	79	62	86	137	230	152
1958	159	147	119	138	167	140	103	91	58	85	172	194	131
1959	186	129	122	133	186	182	140	79	64	116	170	185	141
1960	240	215	159	175	168	126	122	99	88	142	214	334	174
1961	171	120	112	194	139	160	137	88	64	83	277	181	144
1962	164	179	201	165	203	222	122	104	76	131	223	311	175
1963	191	299	230	344	277	163	124	110	75	89	301	191	200
1964	161	120	93	238	207	233	145	122	111	153	250	314	179
1965	216	120	107	218	208	117	95	67	58	131	304	342	165
1966	174	103	118	122	172	142	127	93	76	151	375	838	208
1967	269	322	294	198	221	244	160	114	71	120	369	235	218
1968	158	234	203	283	192	213	186	97	101	229	319	258	206
1969	171	195	109	289	287	196	107	73	61	206	269	247	184
1970	150	226	263	160	224	193	97	88	92	237	556	391	223
1971	424	380	383	382	352	233	134	122	107	213	321	222	273
1972	300	289	229	314	249	171	149	75	77	92	201	215	188

ESTACION RIO CAUCA LA BALSA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1945 Max										274	925	560	925
Min										87	151	173	
1946 Max	439	410	301	403	369	216	176	214	80	121	403	261	439
Min	132	111	111	101	153	97	65	53	36	39	53	119	36
1947 Max	301	972	141	141	158	200	228	208	208	677	754	380	972
Min	117	130	84	49	80	95	84	64	58	89	237	144	49

ESTACION RID CAUCA LA BALSA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1948	Max	219	350	760	890	507	335	211	211	181	343	542	343	890
	Min	105	64	137	137	144	113	75	52	39	62	107	105	39
1949	Max	476	318	314	435	728	291	234	281	139	739	1143	1090	1143
	Min	97	160	128	137	141	130	101	59	53	73	160	214	53
1950	Max	835	1345	672	776	677	579	304	211	181	216	1034	1052	1345
	Min	176	261	284	231	264	234	156	101	64	77	158	208	64
1951	Max	395	297	481	205	---	216	332	181	117	237	622	387	622
	Min	176	186	176	137	---	107	99	59	55	65	165	231	55
1952	Max	464	332	228	307	318	225	240	170	87	189	603	871	871
	Min	160	146	115	111	183	123	80	59	45	49	113	189	45
1953	Max	219	214	219	161	376	225	214	200	156	376	945	865	945
	Min	153	121	115	146	173	115	86	51	41	97	205	216	41
1954	Max	222	200	318	642	431	202	281	318	130	650	1000	1078	1078
	Min	137	132	117	183	148	130	148	123	75	95	264	407	75
1955	Max	1000	357	472	464	680	307	284	231	181	570	748	885	1000
	Min	291	191	249	246	240	183	148	121	105	93	167	376	93
1956	Max	1225	770	494	287	343	419	275	214	243	427	264	651	1225
	Min	352	300	213	189	180	208	146	121	111	107	153	137	107
1957	Max	350	168	208	353	760	524	176	137	99	144	427	912	912
	Min	148	99	121	111	121	115	67	59	47	44	73	151	44
1958	Max	219	183	165	346	551	339	197	178	103	178	565	343	565
	Min	128	117	89	91	115	113	70	65	43	44	109	141	43
1959	Max	307	237	214	373	335	231	271	144	111	271	311	395	395
	Min	137	97	95	93	121	141	91	55	43	48	82	97	43
1960	Max	906	298	252	350	242	173	158	153	121	511	376	1209	1209
	Min	153	146	132	153	128	101	103	79	70	59	138	176	59
1961	Max	324	258	345	376	345	398	304	176	120	166	550	468	550
	Min	123	72	61	129	92	105	84	65	51	49	126	100	49
1962	Max	334	309	371	409	576	530	228	355	188	245	674	859	859
	Min	114	102	111	105	102	129	79	42	57	67	105	142	42
1963	Max	355	499	499	901	703	645	245	271	132	249	696	450	901
	Min	148	184	176	211	126	97	92	70	59	49	155	142	49
1964	Max	421	281	162	779	511	409	240	276	207	468	556	876	876
	Min	94	74	72	77	129	142	100	86	74	67	148	169	67
1965	Max	393	240	219	645	563	176	180	135	162	524	895	705	895
	Min	159	81	77	84	145	74	61	44	35	46	106	179	35
1966	Max	451	234	372	305	319	223	207	172	141	227	775	1360	1360
	Min	101	75	73	67	98	108	88	67	53	65	127	424	53
1967	Max	451	586	725	315	413	598	310	262	124	338	965	440	965
	Min	197	219	200	141	160	141	108	71	51	56	153	153	51
1968	Max	403	536	413	768	387	468	483	227	234	619	768	636	768
	Min	108	138	141	124	138	124	101	56	69	86	153	141	56
1969	Max	444	335	192	595	653	468	267	132	267	530	459	463	653
	Min	103	142	81	101	153	110	70	52	39	81	183	151	39

ESTACION RIO CAUCA LA Balsa

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1970 Max	271	387	739	327	525	415	153	225	314	499	953	653	953
Min	117	122	142	110	130	110	68	52	58	122	232	249	52
1971 Max	652	849	790	931	641	535	253	239	212	499	573	509	931
Min	209	267	225	221	225	176	75	74	87	94	232	127	74
1972 Max	589	756	493	480	532	375	401	165	170	216	393	658	756
Min	182	179	154	149	174	120	78	57	52	51	147	174	51

ESTACION RIO CAUCA LA BOLSA

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	251	354	311	588	351	306	188	104	133	112	286	295
2	257	306	338	590	331	269	204	108	134	107	363	331
3	259	311	351	614	352	234	205	123	117	108	479	343
4	312	349	389	647	424	276	194	138	156	187	421	347
5	467	343	362	592	325	283	173	158	143	169	391	325
6	494	309	317	522	454	273	160	158	114	181	357	273
7	614	309	292	459	377	266	160	154	159	217	467	230
8	693	291	291	475	437	276	207	135	205	231	396	216
9	676	285	315	439	407	217	224	120	179	175	433	211
10	659	317	291	414	357	231	275	110	165	269	446	227
11	636	343	285	379	319	279	261	107	164	349	398	198
12	588	344	303	352	357	244	233	110	136	269	325	187
13	492	372	291	311	233	269	205	105	133	331	307	179
14	498	407	294	319	335	229	205	124	124	278	257	176
15	475	412	304	303	398	252	195	125	118	258	338	173
16	477	433	400	283	490	231	175	104	114	230	266	162
17	516	488	402	359	428	225	129	101	136	217	346	178
18	458	526	419	375	510	261	123	99	122	248	370	196
19	486	598	502	365	389	426	120	100	115	251	333	218
20	510	629	471	319	391	322	114	194	108	272	311	180
21	500	596	601	351	245	245	112	156	117	217	322	218
22	520	563	556	352	409	240	118	114	131	218	450	236
23	445	577	540	403	488	229	111	100	138	245	285	340
24	386	494	540	405	433	221	167	127	126	259	254	381
25	367	456	542	338	446	192	150	162	103	237	336	379
26	360	359	534	272	484	189	136	121	104	265	419	386
27	412	504	536	325	445	319	127	150	108	245	428	325
28	374	338	488	405	389	229	122	166	105	298	354	328
29	360		558	367	379	243	114	118	134	374	341	333
30	426		588	314	412	203	108	195	136	303	314	417
31	347		573		368		105	185		330		306
TOT	14315	11618	13014	12217	12163	7679	5120	4071	3977	7450	10833	8294
PRO	462	415	420	407	392	256	165	131	133	240	361	267
MAX	695	631	603	650	518	458	286	205	217	417	510	445
MIN	241	279	283	258	317	186	104	98	100	105	251	158

ESTACION RIO GAUCA " LA BOLSA"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	289	388	200	251	279	254	397	86	110	94	240	533
2	285	346	226	230	337	241	350	84	92	101	247	496
3	283	306	233	231	319	202	352	84	89	90	226	386
4	283	292	202	219	297	195	234	83	88	90	346	324
5	308	267	223	198	285	181	189	82	100	92	374	279
6	283	289	248	199	285	183	150	82	109	82	265	248
7	306	252	258	185	292	197	150	80	85	72	205	243
8	288	604	257	170	303	209	136	86	81	72	150	255
9	248	523	213	162	268	217	126	84	94	80	205	252
10	244	486	238	195	257	231	138	85	105	84	190	271
11	243	500	244	282	245	213	141	86	92	152	227	255
12	220	498	230	322	248	230	149	102	80	238	208	219
13	236	430	172	289	248	215	215	94	77	199	231	202
14	217	382	168	208	218	254	174	86	77	214	248	193
15	261	358	170	185	213	271	146	97	76	158	258	179
16	393	343	172	215	226	217	129	93	75	138	223	173
17	508	343	162	197	258	197	116	88	96	110	251	183
18	402	390	166	172	329	154	114	106	89	97	295	311
19	332	324	303	206	265	160	158	107	82	100	248	311
20	340	313	241	372	279	161	136	105	96	94	303	382
21	399	338	257	355	360	166	119	124	133	111	298	355
22	356	280	332	274	500	164	110	117	102	116	298	316
23	449	277	409	288	527	157	107	99	93	106	309	267
24	486	241	319	316	498	151	112	88	88	96	322	240
25	502	219	340	325	377	161	109	85	82	90	294	218
26	535	211	348	330	379	160	112	87	78	89	292	210
27	617	205	360	309	362	159	122	83	80	84	257	203
28	560	205	386	305	332	157	126	84	87	96	258	220
29	539	205	381	343	308	136	143	78	84	92	234	175
30	474		379	330	291	154	117	78	80	185	248	174
31	457		319		270		100	109		241		168
TOT	11.543	9815	8156	7663	9655	5747	4977	2832	2700	3663	7750	8241
PROM	372	338	263	255	311	192	161	91	90	118	258	266
MAX	619	635	413	457	539	282	409	135	143	265	360	552
MIN	198	205	157	162	208	132	97	78	71	72	146	168

ESTACION RIO CAUCA LA BOLSA

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1967	---	---	---	---	---	---	139	102	71	118	347	228	---
1968	156	227	195	267	189	215	180	104	120	263	335	261	209
1969	182	215	128	327	327	233	118	80	79	242	333	297	213
1970	173	259	294	209	277	239	116	109	109	293	544	400	252
1971	462	415	420	407	392	256	165	131	133	240	361	267	304
1972	372	338	263	255	311	192	161	91	90	118	258	266	226

ESTACION RIO CAUCA LA BOLSA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1967	Max	---	---	---	---	---	243	187	137	350	637	392	637
	Min	---	---	---	---	---	100	74	57	63	149	152	57
1968	Max	257	493	309	473	326	387	374	192	189	533	654	654
	Min	113	132	139	123	139	136	110	74	86	112	172	74
1969	Max	382	385	225	533	615	493	279	132	238	467	512	615
	Min	112	156	94	116	187	146	76	62	53	120	193	53
1970	Max	244	391	552	333	502	396	169	205	283	469	665	665
	Min	137	143	165	143	148	137	84	72	79	152	317	72
1971	Max	695	631	603	650	518	458	286	205	217	417	510	695
	Min	241	279	283	258	317	186	104	98	100	105	251	98
1972	Max	619	635	413	457	539	282	409	125	143	265	360	635
	Min	198	205	157	162	208	132	97	78	71	72	146	71

ESTACION RIO CAUCA LA VICTORIA

Caudales Promedios Diarios en m³ / seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	535	663	957	1150	708	936	525	239	295	243	608	642
2	504	633	918	1196	692	918	501	229	361	270	630	609
3	473	608	861	1207	704	890	515	230	334	260	697	572
4	464	611	835	1220	776	869	583	225	321	313	749	565
5	516	632	818	1222	816	827	583	252	304	331	754	575
6	545	652	790	1213	803	788	507	298	303	404	768	580
7	723	666	772	1207	842	750	464	308	299	426	770	549
8	854	669	794	1207	856	743	428	320	305	408	758	504
9	867	639	756	1204	878	681	403	296	317	382	794	463
10	871	604	710	1189	863	690	406	271	332	420	857	435
11	880	611	697	1176	854	659	458	253	407	429	797	417
12	884	602	681	1148	850	646	482	254	422	458	774	404
13	892	635	701	1119	850	658	513	256	384	527	756	385
14	916	685	708	1077	850	661	527	251	343	593	708	371
15	963	696	731	1030	856	629	524	240	303	618	703	363
16	1026	703	747	965	852	614	521	233	288	570	629	348
17	1067	718	825	905	856	594	433	243	325	546	633	336
18	1073	758	875	876	854	589	382	277	305	513	758	331
19	1040	810	886	854	871	606	335	251	301	546	750	336
20	1007	821	899	831	909	611	307	239	287	548	716	375
21	975	829	944	831	965	611	288	253	268	561	704	467
22	940	840	967	829	963	621	276	271	294	527	676	476
23	905	859	963	827	963	622	266	323	268	513	664	494
24	873	871	971	827	969	608	262	325	327	548	651	581
25	833	884	979	837	985	567	283	307	301	567	644	622
26	816	913	1024	776	995	498	314	267	287	632	673	659
27	790	930	1061	770	993	491	328	343	283	619	675	663
28	738	955	1077	763	977	476	294	557	247	583	681	678
29	722		1159	754	959	476	274	339	274	556	681	642
30	701		1140	747	955	502	273	341	223	564	656	619
31	675		1181		953		254	305		556		611
TOT:	25068	20497	27427	29957	27217	19831	12509	8796	9308	15031	21314	15672
PRO:	809	732	885	999	878	661	404	284	310	485	710	506
MAX:	1081	969	1187	1222	999	973	602	374	433	646	884	687
MIN:	454	594	678	745	681	469	256	224	222	228	578	330

ESTACION RIO CAUCA " LA VICTORIA"
Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	583	781	464	652	708	608	371	207	137	142	240	379
2	575	777	446	611	668	573	396	191	152	138	353	430
3	524	745	442	554	616	538	562	174	181	132	407	460
4	494	683	433	504	622	502	588	162	177	144	444	576
5	479	627	448	469	602	488	573	152	160	145	460	534
6	472	611	430	442	588	460	525	148	150	122	520	478
7	478	556	419	430	614	435	454	144	152	127	551	435
8	448	611	449	417	616	422	397	139	157	119	469	398
9	417	641	485	397	604	416	381	136	150	124	399	381
10	416	725	535	384	606	454	355	135	130	134	383	388
11	404	777	513	443	594	561	282	141	121	135	361	399
12	413	810	532	452	581	588	263	140	132	155	315	398
13	535	821	549	506	575	567	257	135	134	193	314	387
14	498	840	501	501	543	588	278	144	121	306	349	351
15	463	827	435	499	553	540	393	167	113	334	337	319
16	491	821	394	532	562	559	343	152	112	256	392	299
17	635	810	381	487	548	537	261	148	119	283	448	349
18	676	783	375	463	538	518	236	159	122	229	502	288
19	694	738	367	469	569	469	258	172	154	190	522	306
20	685	704	387	501	609	442	253	166	172	165	478	374
21	644	652	437	569	711	422	252	212	212	153	447	427
22	616	609	487	664	783	432	258	229	185	155	441	498
23	641	589	521	676	783	403	237	197	214	278	516	489
24	676	557	633	621	821	384	221	190	206	167	554	468
25	688	513	692	604	825	384	212	193	173	173	568	421
26	696	469	649	561	825	401	206	176	158	161	549	377
27	723	442	604	541	792	388	215	160	148	157	507	340
28	731	422	586	578	772	390	210	149	137	146	472	311
29	759	442	656	567	759	381	206	148	126	139	440	295
30	770		639	632	715	370	227	144	132	154	413	273
31	777		649		656		225	148		161		257
TOT	18101	19383	15538	15726	20358	14220	9895	5058	4537	5417	13151	12085
PROM	584	668	501	524	657	474	319	163	151	175	438	390
MAX	779	846	696	694	827	627	588	234	224	340	572	581
MIN	385	419	366	379	524	368	205	134	110	114	213	253

ESTACION RIO CAUCA LA VICTORIA

Caudales Promedios Mensuales y Anuales.

en m³ / seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1958										104	282	320	
1959	331	177	144	203	409	422	288	144	114	242	356	455	274
1960	687	713	333	471	493	275	252	181	139	223	347	652	414
1961	261	251	219	475	332	310	266	156	100	141	562	367	287
1962	302	301	350	349	634	551	295	200	127	320	399	527	363
1963	344	522	480	725	725	410	253	216	122	153	578	323	404
1964	275	194	159	391	393	564	340	263	239	303	473	511	342
1965	403	242	184	423	549	254	162	114	108	261	531	562	316
1966	303	172	180	213	350	311	237	170	137	254	549	913	316
1967	498	424	429	353	462	456	277	202	117	213	579	454	372
1968	266	340	323	466	358	414	306	198	214	447	530	531	366
1969	305	310	193	547	700	455	228	148	122	518	598	453	381
1970	294	366	480	385	547	495	235	191	192	521	954	762	452
1971	809	732	885	999	878	661	404	284	310	485	710	506	639
1972	584	668	501	524	657	474	392	163	151	175	438	390	426

ESTACION RIO CAUCA LA VICTORIA

Caudales máximos y mínimos mensuales y anuales

en m³ /seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1958 Max										146	533	580	
Min										65	143	192	
1959 Max	644	269	187	419	694	569	450	198	177	416	533	600	694
Min	188	136	122	121	240	249	199	103	82	82	180	305	82
1960 Max	939	878	483	627	731	363	369	243	198	700	775	839	939
Min	363	398	253	311	287	198	188	---	98	82	369	369	82
1961 Max	369	419	417	828	615	498	384	236	135	233	742	513	828
Min	192	154	131	270	220	220	184	102	76	63	180	253	63
1962 Max	382	393	564	553	767	729	455	348	165	555	690	767	767
Min	248	217	206	221	500	390	219	137	102	165	225	274	102
1963 Max	562	733	696	898	936	673	331	315	147	230	745	468	936
Min	274	334	387	445	409	264	219	139	103	117	225	243	103
1964 Max	501	299	216	652	660	750	456	365	330	527	601	697	750
Min	163	126	128	129	273	381	256	194	188	164	339	381	126
1965 Max	680	367	217	722	768	436	203	132	146	609	805	778	805
Min	305	162	151	131	393	184	122	100	86	99	250	348	86

ESTACION RIO CAUCA LA VICTORIA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1966	Max 484	225	328	397	521	441	321	238	194	333	720	1049	1049
	Min 188	124	119	134	187	228	170	147	102	101	259	713	101
1967	Max 1026	552	641	577	666	679	387	307	142	490	767	783	1026
	Min 298	314	286	261	346	322	218	140	93	131	350	285	93
1968	Max 407	567	470	713	518	612	463	436	294	671	755	800	800
	Min 197	228	254	220	268	295	223	119	175	217	333	318	119
1969	Max 484	390	266	827	916	683	396	183	301	681	729	557	816
	Min 216	251	152	203	396	313	155	125	83	294	463	318	83
1970	Max 428	533	704	562	873	763	339	263	240	786	1119	961	1119
	Min 239	223	290	245	878	324	170	148	149	240	722	554	148
1971	Max 1081	969	1187	1222	999	973	602	374	433	646	884	687	999
	Min 454	597	678	745	681	469	256	224	222	228	578	330	222
1972	Max 779	846	696	694	827	627	588	234	224	340	572	581	846
	Min 385	419	366	379	524	368	205	134	110	114	213	253	110

ESTACION RIO CAUCA MEDIACANOA

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	425	540	547	886	528	722	397	183	272	182	503	521
2	394	532	512	893	515	679	404	183	250	192	491	486
3	376	495	525	903	575	622	380	179	228	197	635	504
4	383	497	667	915	610	594	381	200	221	295	705	512
5	431	585	673	915	626	557	376	221	236	322	696	536
6	567	622	667	915	660	590	349	418	230	340	683	475
7	669	610	525	907	681	575	310	263	215	324	652	426
8	713	549	549	893	705	579	319	233	215	315	648	394
9	727	512	493	871	720	575	362	212	293	339	675	375
10	762	503	473	840	735	510	403	213	380	296	698	357
11	808	544	456	808	724	504	437	194	348	401	694	354
12	850	577	549	766	711	534	449	202	272	540	654	333
13	862	618	631	729	681	497	420	197	247	510	592	321
14	874	639	602	675	667	521	437	188	230	519	536	310
15	862	662	528	667	656	461	408	191	224	461	493	295
16	833	671	579	641	685	465	349	188	223	440	503	276
17	812	677	650	588	696	465	296	191	224	416	468	273
18	799	696	679	627	722	454	259	186	250	408	581	290
19	792	729	694	679	749	499	240	177	218	468	620	362
20	782	760	729	688	773	571	267	188	202	480	588	449
21	776	801	762	673	794	540	213	225	192	458	563	375
22	762	828	828	650	794	480	204	262	216	431	567	418
23	749	932	805	618	773	466	203	214	246	433	546	523
24	727	598	819	635	753	420	238	201	332	456	534	602
25	685	826	828	654	762	396	270	213	242	530	536	646
26	635	720	843	631	771	373	265	253	210	523	608	622
27	604	592	847	569	776	372	228	242	192	523	643	596
28	602	571	838	581	766	384	224	290	182	454	633	536
29	590		838	610	740	473	215	265	173	475	586	532
30	583		850	594	746	433	198	230	189	501	557	513
31	585		871		740		189	245		480		532
TOT:	21019	17886	20857	22021	21833	15311	9690	6847	7152	12709	17888	13744
PRO:	678	638	672	734	704	510	312	220	238	410	596	443
MAX:	874	932	871	944	794	753	454	420	396	585	705	648
MIN:	575	495	456	553	510	372	196	173	173	182	463	272

ESTACION RIO CAUCA " MEDIACANOA"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO
1972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	508	731	324	470	519	416	301	147	153	119	316	333
2	454	656	315	413	461	384	463	132	171	128	380	466
3	438	585	327	375	506	365	491	123	147	143	312	604
4	414	525	334	348	473	343	475	118	137	114	351	491
5	423	504	310	322	463	330	370	116	142	108	517	440
6	433	478	312	309	486	310	289	113	152	106	495	392
7	391	512	351	312	478	298	267	109	152	101	388	346
8	356	575	391	281	466	293	265	104	131	116	334	334
9	372	679	425	269	484	327	230	110	109	109	342	346
10	359	698	375	324	470	349	210	104	124	108	295	373
11	330	733	418	342	447	376	201	103	137	146	270	372
12	365	753	445	403	437	396	197	114	116	203	295	360
13	381	776	376	348	418	373	255	124	107	289	296	313
14	359	799	312	416	403	378	312	127	99	286	316	295
15	340	785	263	414	389	397	234	115	96	284	342	276
16	420	716	284	360	368	384	195	120	97	240	360	258
17	585	650	277	356	376	367	194	140	135	186	495	250
18	652	637	262	348	438	327	228	127	155	158	478	259
19	600	610	280	349	472	302	202	142	144	140	428	333
20	521	547	349	428	506	284	224	210	151	126	381	396
21	512	519	331	581	465	277	213	177	179	126	380	449
22	585	527	351	538	553	276	191	155	218	146	409	450
23	650	486	567	499	667	256	175	166	171	150	478	431
24	629	437	598	477	698	249	169	152	142	153	519	365
25	641	399	501	488	673	259	174	136	138	135	499	327
26	669	373	443	421	616	269	179	123	129	134	461	302
27	698	351	480	466	618	272	169	122	115	118	435	286
28	735	342	491	397	600	269	179	116	115	114	404	266
29	760	339	480	534	525	247	224	111	116	116	381	246
30	773		517	590	497	240	186	107	123	127	337	233
31	771		523		454		165	117		194		223
TOT	16124	16722	12012	12178	15426	9613	7627	3980	4101	4723	11694	10815
PROM	520	577	387	406	498	320	246	128	137	152	390	349
MAX	776	801	622	606	698	428	495	213	225	295	542	618
MIN	328	333	220	416	367	237	162	103	93	99	269	220

ESTACION RIO CAUCA MEDIACANOA

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1965						195	132	94	87	214	470	497	
1966	262	141	159	188	319	253	186	134	107	222	491	812	273
1967	381	408	397	300	375	398	229	160	95	191	531	400	322
1968	240	333	299	420	310	347	276	166	190	399	491	454	327
1969	267	274	169	465	549	364	188	112	95	402	478	372	311
1970	234	320	406	298	418	378	172	146	147	428	777	612	361
1971	678	638	672	734	704	510	312	220	238	410	596	443	513
1972	520	577	387	406	498	320	251	128	137	152	390	349	343

ESTACION RIO CAUCA MEDIACANOA

Caudales Máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1965 Max						323	186	115	120	514	832	721	832
Min						142	94	81	71	78	184	280	71
1966 Max	506	206	332	411	521	386	273	206	168	359	698	921	921
Min	157	105	100	109	147	182	132	107	81	78	197	590	78
1967 Max	746	564	705	578	557	686	373	293	140	499	761	756	761
Min	261	303	251	217	273	270	169	99	75	101	295	262	75
1968 Max	353	591	446	653	471	585	473	356	273	669	747	750	750
Min	179	218	235	201	235	239	178	99	138	189	281	264	99
1969 Max	455	344	232	689	772	585	356	143	311	578	623	488	772
Min	183	220	130	183	306	241	129	89	57	284	355	244	57
1970 Max	361	491	679	440	687	601	235	222	390	643	867	789	867
Min	177	177	237	191	279	228	122	103	105	224	585	438	103
1971 Max	874	932	871	944	794	753	454	420	396	585	705	648	944
Min	575	495	456	553	510	372	196	173	173	182	463	272	173
1972 Max	776	801	622	606	698	428	495	213	225	295	542	618	801
Min	328	333	220	416	367	237	162	103	93	99	269	220	93

ESTACION RIO CAUCA RIOFRIO

Caudales Promedios Diarios en m³ / seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	465	591	877	1024	608	840	380	190	264	220	526	554
2	434	552	789	1037	589	820	355	185	274	209	543	513
3	408	537	748	1046	612	775	370	180	264	210	624	492
4	415	543	743	1069	684	714	364	186	259	293	686	492
5	426	568	738	1076	681	646	360	227	249	330	727	509
6	568	622	735	1083	843	644	345	243	254	355	719	513
7	756	635	725	1083	781	636	308	261	244	350	704	454
8	792	612	704	1086	778	612	291	249	254	334	684	423
9	814	559	679	1056	792	603	291	226	264	330	730	387
10	837	537	651	1033	797	593	367	211	338	352	722	374
11	875	541	617	977	803	559	388	211	383	364	725	359
12	901	570	612	946	809	554	399	212	311	509	701	340
13	955	612	646	904	803	552	410	207	277	550	651	329
14	1044	644	699	860	795	554	397	198	254	554	587	312
15	1037	666	727	797	800	528	388	192	243	530	557	312
16	1027	686	684	764	814	492	367	201	245	486	513	297
17	983	704	735	743	795	505	335	228	244	452	513	290
18	952	732	823	719	806	505	284	210	247	461	615	293
19	910	770	817	732	877	526	248	194	254	456	612	299
20	892	797	843	740	854	582	232	188	228	507	624	412
21	875	837	886	759	872	584	221	210	228	482	593	408
22	848	901	886	740	883	530	210	279	215	461	584	403
23	828	910	913	730	931	515	203	243	243	452	550	440
24	809	943	901	719	931	467	222	240	252	484	545	566
25	727	974	922	704	928	436	249	210	243	568	537	593
26	730	989	952	691	907	458	264	248	234	593	610	622
27	684	977	965	686	886	424	244	284	214	548	634	632
28	661	934	986	696	883	403	223	283	214	499	656	620
29	651		1021	674	872	452	226	265	194	475	627	580
30	622		999	644	860	501	209	252	199	486	587	566
31	612		1017		854		196	236		505		532
TOT:	23508	19940	25040	25818	25128	17010	9346	6949	7586	13405	18686	13916
PRO:	758	712	808	861	811	567	301	224	253	432	623	449
MAX:	1040	996	1024	1089	934	846	415	287	390	604	731	632
MIN:	403	534	610	634	587	397	193	180	192	206	512	287

ESTACION RIO CAUCA "RIO FRIO"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	517	778	330	491	563	445	253	160	142	140	256	338
2	482	740	324	425	498	398	452	150	163	138	354	358
3	454	664	314	281	474	368	489	148	163	142	330	523
4	436	593	320	345	489	356	493	139	150	142	339	540
5	432	552	327	317	463	330	410	136	145	129	458	454
6	430	517	303	311	469	306	317	134	147	133	530	402
7	419	507	326	293	493	289	272	128	152	125	436	360
8	396	577	362	277	489	286	260	116	148	133	339	329
9	381	634	415	263	484	310	249	249	137	133	330	338
10	374	704	403	288	479	347	219	226	132	134	285	349
11	359	738	397	323	463	398	206	126	138	142	272	360
12	469	775	442	368	454	402	197	115	139	172	271	339
13	442	783	414	373	427	394	208	134	136	243	288	315
14	397	795	337	347	408	379	283	143	119	275	283	286
15	394	797	297	404	432	379	263	139	112	254	330	265
16	430	786	284	383	394	383	203	136	113	257	360	249
17	557	714	280	336	385	389	187	142	129	203	423	239
18	636	676	281	338	417	368	199	148	147	172	520	236
19	656	646	281	334	454	303	198	144	153	153	449	271
20	612	591	300	381	555	281	198	169	170	147	398	375
21	552	548	355	479	548	327	206	187	158	145	377	406
22	557	520	367	568	625	272	189	165	184	145	432	454
23	639	499	452	505	664	256	178	158	184	151	460	486
24	656	458	596	481	744	259	171	164	155	162	530	460
25	659	414	539	456	744	268	167	152	152	153	525	389
26	684	385	465	413	714	259	172	143	144	150	489	288
27	699	359	471	443	673	260	169	138	138	145	441	266
28	753	360	492	430	664	257	166	136	133	141	406	250
29	767	335	501	436	627	240	175	135	133	143	381	233
30	781		511	570	545	238	179	134	137	145	343	218
31	783		528		505		172	136		219		207
TOT	16803	17445	12014	11757	16343	9747	7500	4630	4353	5066	11635	10583
FROM	542	601	388	392	527	325	242	149	145	163	388	341
MAX	783	797	610	616	751	443	498	188	186	300	543	606
MIN	349	334	279	259	366	236	165	123	112	123	247	205

ESTACION RIO CAUCA RIOFRIO

Caudales Promedios Mensuales y Anuales
en m³ / seg

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1958										105	276	311	
1959	307	170	144	190	358	375	270	131	112	223	327	439	254
1960	594	604	318	431	435	258	235	165	135	223	461	---	(351)
1961	---	233	203	406	299	272	243	147	99	142	546	374	(269)
1962	297	308	351	318	564	474	276	192	120	272	383	472	336
1963	318	485	433	618	593	356	232	200	115	148	579	324	367
1964	260	193	151	401	372	511	312	228	214	246	398	443	311
1965	317	195	154	356	430	222	148	105	100	237	489	512	272
1966	283	158	169	206	341	284	211	156	126	233	495	828	291
1967	440	440	431	343	432	448	280	205	125	208	574	434	363
1968	252	330	308	440	323	374	284	184	201	411	501	482	341
1969	284	289	182	500	610	401	207	144	132	459	534	405	346
1970	263	343	442	335	469	431	201	166	166	454	888	689	404
1971	758	712	808	861	811	567	301	224	253	432	623	449	567
1972	542	601	388	392	527	325	242	149	145	163	388	341	350

ESTACION RIO CAUCA RIOFRIO

Caudales máximos y mínimos mensuales y anuales
en m³ /seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1958	Max									155	529	577	
	Min									65	140	203	
1959	Max	605	272	203	404	581	523	418	180	168	378	441	581 605
	Min	179	134	120	122	219	235	180	93	79	85	184	341 79
1960	Max	845	721	458	548	581	315	320	232	192	581	635	571 845
	Min	324	348	262	323	277	179	180	133	111	86	349	374 86
1961	Max	---	361	324	668	478	406	336	222	135	230	668	540 668
	Min	---	140	115	242	192	192	167	98	77	76	184	256 76
1962	Max	414	423	554	536	689	637	395	297	154	450	637	719 719
	Min	244	215	205	206	448	354	215	133	91	147	190	266 91
1963	Max	450	668	573	721	738	546	296	283	138	266	757	573 757
	Min	274	331	361	421	349	245	191	122	105	103	266	244 103
1964	Max	554	305	201	675	619	706	429	289	294	452	526	636 706
	Min	148	115	126	135	259	354	233	174	167	134	285	321 115
1965	Max	501	306	177	705	656	353	194	126	139	535	739	690 739
	Min	253	139	133	126	296	164	113	94	82	95	227	326 82
1966	Max	488	212	271	398	626	408	296	222	181	366	658	949 949
	Min	168	116	110	127	178	209	154	134	97	95	227	647 95

ESTACION RIO CAUCA RIOFRIO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1967	Max	816	561	649	565	579	658	408	314	155	495	803	811	816
	Min	289	342	289	257	339	326	226	139	100	134	311	283	100
1968	Max	366	691	465	656	481	592	455	372	274	681	749	779	779
	Min	189	223	240	216	235	258	205	131	166	211	315	293	131
1969	Max	465	343	236	774	848	599	359	164	307	634	689	479	848
	Min	199	236	148	204	350	280	152	126	105	308	402	275	105
1970	Max	392	479	704	483	761	734	273	240	284	684	1024	940	1024
	Min	218	212	264	230	321	267	155	121	121	258	622	488	121
1971	Max	1040	996	1024	1089	934	846	406	286	374	550	792	671	1040
	Min	403	534	610	634	587	397	198	185	190	203	557	314	220
1972	Max	783	797	610	616	751	443	498	188	186	300	543	606	797
	Min	349	334	279	259	366	236	165	123	112	123	247	205	112

ESTACION RIO CAUCA SALVAJINA

Caudales Promedios Diarios en m³ / seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	164	214	178	404	138	151	115	68	84	65	205	199
2	169	196	300	474	165	145	110	82	68	64	304	210
3	155	210	300	547	175	131	119	79	85	71	342	190
4	293	219	245	597	187	130	114	80	77	103	324	165
5	285	266	203	364	182	152	101	75	84	95	322	196
6	479	238	184	298	315	139	94	70	69	92	260	165
7	906	197	167	285	228	142	105	63	84	96	236	148
8	842	214	167	344	264	141	173	77	104	118	197	125
9	623	208	149	268	208	115	260	74	132	112	233	138
10	518	215	142	266	182	125	201	79	99	114	232	144
11	402	338	156	232	167	162	266	80	86	253	352	141
12	392	258	162	206	239	155	255	70	88	164	205	122
13	324	276	238	180	215	144	221	66	81	164	187	123
14	304	217	169	180	236	118	152	69	84	128	164	117
15	311	245	243	177	228	145	123	74	74	112	180	101
16	302	199	223	182	243	134	97	64	80	113	158	98
17	296	234	189	201	214	164	81	61	70	121	145	115
18	330	304	326	243	232	139	76	61	71	127	274	151
19	317	417	279	215	178	167	70	72	66	125	208	172
20	302	462	298	203	285	149	68	99	65	132	201	134
21	394	326	255	180	266	138	68	74	97	123	203	165
22	328	354	255	184	245	141	72	66	98	122	224	192
23	302	293	289	219	368	130	125	64	94	127	238	332
24	264	247	276	245	352	121	148	119	81	145	215	382
25	255	223	279	199	322	121	108	84	89	130	212	352
26	249	206	279	161	307	134	126	80	75	241	289	332
27	238	182	266	205	215	113	88	98	67	232	228	300
28	241	185	285	182	184	153	82	78	66	190	232	255
29	219		407	159	177	135	72	70	65	208	214	197
30	239		357	144	172	114	76	145	72	184	192	214
31	210		368		170		69	138		241		197
TOT	10653	7143	7634	7744	7059	4148	3835	2479	2455	4312	4966	5872
PRO	344	255	246	258	228	138	124	80	82	139	232	189
MAX	1.143	539	422	729	472	208	270	185	145	332	375	424
MIN	149	172	139	134	131	105	67	59	64	62	134	95

ESTACION RIO CAUCA " LA SALVAJINA "

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	184	336	114	162	148	123	352	53	59	63	131	385
2	165	317	131	135	145	114	272	50	57	50	126	298
3	149	298	125	128	144	129	241	48	58	46	192	249
4	192	287	112	113	144	122	148	48	77	46	274	196
5	173	283	135	104	134	98	92	50	86	46	224	167
6	173	336	146	96	126	94	95	46	66	46	151	151
7	167	184	201	93	137	96	92	55	48	48	156	142
8	170	394	165	91	121	103	87	49	65	48	131	145
9	182	246	123	92	114	105	75	44	80	48	115	145
10	173	244	128	122	114	110	70	53	63	53	108	175
11	152	265	153	146	115	106	84	66	55	88	108	148
12	131	258	118	114	115	119	205	61	52	101	108	139
13	132	233	103	150	137	117	122	52	50	80	115	126
14	152	217	106	118	118	141	82	53	47	110	108	115
15	206	204	122	114	115	154	70	84	48	103	103	110
16	375	212	119	131	117	113	173	61	65	100	138	103
17	380	204	124	126	121	91	98	52	71	91	144	119
18	342	184	106	121	146	106	114	95	52	80	149	180
19	135	182	128	142	130	103	123	84	53	73	131	169
20	184	192	112	338	132	139	91	64	104	49	135	236
21	219	200	121	245	158	184	77	73	75	50	148	219
22	199	190	226	172	234	268	76	71	60	47	192	187
23	324	149	228	178	210	226	75	63	60	54	201	159
24	293	142	175	146	226	226	91	53	55	50	185	146
25	319	130	167	296	208	217	80	49	49	46	156	134
26	397	127	189	178	249	258	74	49	46	44	152	142
27	394	118	158	170	170	170	115	48	51	41	162	123
28	311	118	190	270	167	167	100	47	57	43	144	110
29	283	121	212	228	162	162	77	46	51	66	139	105
30	342		211	178	161	153	70	50	49	108	138	99
31	336		178		137		58	68		131		97
TOT	7334	6371	4626	4697	4655	4314	3579	1785	1809	2049	4464	5019
PROM	237	220	149	157	150	144	115	57	60	66	149	162
MAX	605	487	412	399	434	361	417	135	137	165	352	623
MIN	125	113	95	91	110	74	56	45	44	41	95	91

ESTACION RIO CAUCA SALVAJINA

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1946										52	121	144	
1947	129	106	75	61	72	95	94	77	74	212	255	138	116
1948	95	77	144	201	135	117	72	60	39	93	135	123	108
1949	149	151	120	127	160	121	98	79	64	122	288	256	145
1950	197	379	373	317	375	294	202	129	80	127	269	336	257
1951	224	208	184	135	170	125	119	73	65	90	202	200	150
1952	161	159	125	125	173	116	92	72	50	62	147	241	127
1953	151	125	100	127	128	106	82	59	54	160	284	332	142
1954	154	143	125	220	144	124	135	118	52	164	257	344	165
1955	234	122	210	214	193	165	147	93	84	181	259	340	187
1956	311	206	172	121	148	200	178	98	89	168	187	239	176
1957	184	96	131	136	196	165	90	64	46	65	104	182	122
1958	112	86	68	94	109	91	75	71	42	56	133	161	92
1959	139	84	63	78	120	128	105	59	52	88	129	176	102
1960	241	193	121	130	120	87	88	65	52	80	173	230	132
1961	111	91	78	142	89	119	101	72	42	62	206	149	105
1962	118	130	146	109	147	162	88	74	53	94	162	267	129
1963	121	218	152	228	209	132	94	82	49	60	213	153	143
1964	130	92	70	142	141	191	117	98	88	121	190	226	134
1965	163	106	78	127	142	74	77	55	45	95	208	240	118
1966	127	77	81	89	130	108	103	76	59	113	274	606	154
1967	195	199	188	132	137	160	121	92	50	77	246	164	147
1968	116	156	135	177	125	133	137	74	68	149	203	159	136
1969	126	141	88	207	180	127	92	62	47	161	194	175	133
1970	111	178	198	105	146	135	79	80	73	165	366	258	158
1971	344	255	246	258	228	138	124	80	82	139	232	189	193
1972	237	220	149	157	150	144	115	57	60	66	149	162	139

ESTACION RIO CAUCA SALVAJINA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1945 Max													667
1946 Max								197	64	150	341	234	341
Min								38	29	33	45	109	29
1947 Max	305	342	91	91	111	160	221	195	186	400	582	229	582
Min	78	64	62	42	50	67	66	42	42	57	145	102	42
1948 Max	123	266	350	482	263	315	165	194	157	306	411	400	482
Min	72	48	97	103	86	69	46	33	27	39	86	77	27

ESTACION RIO CAUCA SALVAJINA

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ags	Sep.	Oct	Nov	Dic	Anual
1949	Max 428	335	260	340	692	350	299	383	205	465	868	609	868
	Min 76	116	85	96	106	85	63	43	41	63	120	153	41
1950	Max 517	785	545	692	601	510	280	195	143	175	540	890	890
	Min 125	195	238	189	220	192	120	69	35	47	121	168	35
1951	Max 341	253	420	169		175	282	143	87	201	560	415	560
	Min 138	148	127	102		75	67	30	27	57	113	151	27
1952	Max 404	282	220	364	440	184	198	133	62	150	533	780	780
	Min 96	98	82	78	130	87	50	32	18	21	80	141	18
1953	Max 256	245	175	277	257	253	174	161	117	323	682	472	682
	Min 107	85	71	87	83	69	55	23	28	78	142	230	23
1954	Max 298	262	270	379	253	270	323	323	89	540	675	576	675
	Min 102	111	84	140	96	78	89	59	38	40	184	213	38
1955	Max 700	383	526	544	567	287	375	277	275	586	487	740	740
	Min 123	84	123	158	147	102	100	59	57	66	140	236	57
1956	Max 1070	517	456	229	395	503	294	185	215	400	383	548	1070
	Min 162	144	105	88	100	139	68	59	54	63	137	115	54
1957	Max 380	266	250	448	682	382	194	176	84	135	338	672	682
	Min 104	72	82	85	95	97	54	42	35	31	54	99	31
1958	Max 224	148	150	203	240	201	194	203	85	138	366	328	366
	Min 77	71	46	50	68	57	41	38	30	30	68	110	30
1959	Max 293	195	136	220	301	325	305	140	112	314	247	409	409
	Min 86	55	49	47	74	76	61	38	33	35	67	100	33
1960	Max 795	357	275	280	221	192	191	185	118	328	330	576	795
	Min 100	101	80	92	83	60	60	42	36	28	98	120	28
1961	Max 210	215	192	270	135	289	263	168	71	128	397	339	397
	Min 80	57	47	83	52	67	57	42	31	33	60	91	31
1962	Max 282	212	272	194	423	389	166	260	136	178	495	583	583
	Min 85	79	79	72	73	93	56	28	39	47	32	101	28
1963	Max 184	366	263	607	457	430	189	223	101	212	508	310	607
	Min 79	133	101	136	109	85	64	42	34	30	115	108	30
1964	Max 272	229	136	581	430	397	209	247	141	296	383	387	581
	Min 76	54	45	52	83	87	80	67	68	54	122	126	45
1965	Max 235	212	203	415	344	116	153	105	98	308	466	494	494
	Min 113	67	58	54	87	48	45	39	28	35	81	142	28
1966	Max 388	218	269	275	275	169	276	154	146	168	560	978	978
	Min 76	52	52	52	72	85	67	52	39	53	97	309	39
1967	Max 329	301	550	200	266	434	207	221	88	236	655	280	655
	Min 147	139	125	101	99	106	77	59	36	39	115	109	36
1968	Max 331	339	289	395	297	312	412	177	133	373	485	295	485
	Min 85	99	91	81	95	85	70	49	52	64	103	106	49
1969	Max 297	201	206	522	610	274	251	128	215	464	316	366	610
	Min 79	106	60	78	98	80	58	44	30	57	138	109	30
1970	Max 187	370	647	169	338	268	153	232	190	368	665	482	665
	Min 86	90	104	80	84	74	54	46	47	71	185	153	46
1971	Max 1143	539	422	729	472	208	270	185	145	332	375	424	1143
	Min 149	172	139	134	131	105	67	59	64	62	134	95	59
1972	Max 605	487	412	399	434	361	417	135	137	165	352	623	623
	Min 125	113	95	91	110	74	56	45	44	41	95	91	41

ESTACION RIO AMAIME " AMAIME ABAJO"
Caudales Promedios Diarios en m³ / s
AÑO CALENDARIO

1972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	9.1	14.4	3.9	11.8	18.1	9.7	38.7	1.1	4.2	5.3	6.7	2.4
2	9.5	8.1	2.8	9.3	13.7	8.9	65.5	1.0	3.9	2.4	4.8	6.0
3	7.4	8.1	2.8	8.7	14.0	7.7	56.5	1.3	3.1	1.2	8.9	5.3
4	9.3	6.5	2.8	6.1	11.1	7.4	.....	1.0	4.9	1.4	16.3	4.3
5	6.3	9.3	2.8	5.3	9.7	7.0	.....	1.2	3.7	1.1	16.1	4.8
6	5.3	7.7	3.7	4.0	11.8	7.2	.....	1.2	2.0	1.3	9.5	2.5
7	3.3	8.7	7.2	2.8	12.0	7.0	9.5	.9	2.0	1.5	6.5	2.4
8	3.9	15.6	20.1	2.5	10.7	7.0	7.0	.7	2.1	1.7	5.6	2.3
9	4.2	22.8	6.7	2.7	9.9	6.5	6.0	.8	1.8	1.7	6.1	7.4
10	4.0	24.0	20.1	8.5	9.3	6.0	4.6	.8	3.3	1.2	3.7	5.8
11	3.4	23.4	42.2	14.9	24.0	8.9	4.8	5.5	2.1	1.1	2.8	3.9
12	6.0	14.6	14.0	8.9	15.6	9.1	21.1	2.4	1.3	3.6	3.3	3.0
13	5.6	17.6	7.9	19.3	12.6	8.5	15.6	1.5	1.1	2.0	3.0	2.5
14	2.1	13.7	6.1	13.3	9.9	8.1	8.1	1.7	.9	7.0	3.3	2.0
15	2.7	10.5	5.5	8.7	10.5	7.0	4.8	3.0	.9	4.5	2.7	1.6
16	10.1	11.1	5.5	14.2	9.9	6.0	7.2	2.5	3.7	2.5	18.3	1.5
17	11.6	9.3	2.3	14.6	16.8	4.9	6.0	1.4	3.6	2.7	12.6	2.1
18	8.1	9.5	2.1	10.5	18.9	4.8	3.0	2.3	2.3	1.4	7.9	1.5
19	8.1	7.9	2.0	13.3	14.2	4.9	4.5	4.3	2.1	.9	5.3	2.4
20	8.9	7.7	2.8	107.4	14.0	4.3	4.0	3.3	4.8	.9	7.7	7.7
21	8.7	7.6	2.8	31.3	14.2	3.6	2.3	5.6	4.3	1.2	8.5	4.5
22	21.9	7.0	35.6	21.1	35.9	3.6	2.5	6.0	3.4	1.2	14.2	7.7
23	12.0	5.8	21.9	19.1	15.6	3.9	3.4	4.9	3.3	.8	13.1	4.6
24	10.3	6.0	12.2	14.6	13.7	4.2	3.0	4.3	3.6	1.1	12.9	4.8
25	9.9	4.2	9.3	12.4	12.0	6.8	2.3	3.6	2.8	.7	9.1	4.3
26	16.3	4.3	11.6	10.7	10.9	8.5	2.3	2.5	2.7	.8	7.7	2.7
27	18.1	5.1	9.1	9.7	9.9	8.9	3.6	3.9	3.7	.7	7.4	1.7
28	22.2	4.5	7.7	10.7	10.5	7.0	4.8	2.4	3.3	.6	4.3	1.4
29	23.4	3.7	7.6	13.1	25.5	4.9	2.1	2.3	1.8	.7	3.9	1.0
30	16.6		15.1	26.6	12.9	67.7	3.9	1.7	1.6	1.5	2.7	1.1
31			16.1		11.1		1.8	4.9		3.1		1.8
TOT	288.4	293.7	312.3	456.1	438.9	260.0	293.9	80.0	84.3	57.8	234.9	107.0
PROM	9.6	10.3	10.0	15.2	14.2	8.7	10.7	2.6	2.8	1.89	7.8	3.5
MAX	32.0	32.3	48.9	117.1	62.5	85.7	90.8	8.7	7.7	7.7	33.3	9.9
MIN	1.8	3.3	1.5	2.4	9.1	3.3	.9	.7	.6	.5	.7	.8

ESTACION RIO BOLO "BOLO ARRIBA"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	3.0	5.2	8.9	44.0	11.7	14.4	8.4	4.6				
2	3.1	4.4	8.0	32.0	11.0	14.2	8.2	5.5				
3	3.1	5.5	9.0	30.3	10.5	11.7	8.2	4.9				
4	3.0	19.2	18.5	29.0	9.3	14.8	8.2	4.9				
5	3.0	8.6	10.2	23.3	10.1	14.8	8.0	8.0				
6	9.4	9.7	7.8	31.4	49.5	12.4	7.5	6.4				
7	17.2	7.3	8.0	27.6	22.4	11.8	7.9	5.8				
8	19.9	8.6	9.3	20.0	32.7	12.7	8.4	5.5				
9	9.3	7.9	13.1	14.9	19.4	12.0	8.4	5.1				
10	10.6	8.5	9.1	11.8	13.6	12.6	8.8	4.7				
11	8.8	8.8	9.6	9.7	13.6	12.6	9.7	6.9				
12	7.9	11.7	9.3	9.0	12.9	13.0	10.7	5.5				
13	7.3	44.9	8.7	8.3	12.0	11.7	11.3	6.4				
14	6.4	24.3	8.7	7.0	14.4	11.3	11.3	5.7				
15	6.1	12.1	9.0	7.5	13.8	11.3	---	5.8				
16	7.7	11.5	8.6	13.1	16.5	10.7	---					
17	6.9	8.8	7.7	29.6	12.5	10.0	9.3					
18	7.9	34.6	7.1	24.9	9.9	9.5	7.7					
19	6.6	15.5	9.3	14.1	17.0	9.5	6.9					
20	8.3	36.6	9.5	11.7	15.9	10.0	6.0					
21	11.5	24.3	10.2	11.8	15.9	9.8	5.9					
22	7.3	13.6	10.8	10.8	14.5	9.8	5.7					
23	7.0	10.2	26.7	10.0	14.1	8.8	5.5					
24	6.9	9.1	35.2	11.2	11.6	8.4	5.7					
25	7.0	8.3	32.7	10.2	18.9	8.8	5.2					
26	6.6	8.2	43.4	9.0	17.0	8.0	5.5					
27	5.5	9.0	42.8	9.1	15.5	8.4	5.7					
28	5.3	8.6	33.5	26.7	20.5	8.7	5.5					
29	6.1		30.8	11.0	17.0	8.0	5.1					
30	7.9		42.2	10.3	15.5	8.4	4.6					
31	5.6		44.9		15.0		4.8					
TOT	232.2	384.0	542.6	519.2	504.2	328.1	214.1	(85.7)				
PROM	7.5	13.2	17.5	17.3	16.3	10.9	7.4	(5.7)				
MAX	26.9	49.3	49.3	49.3	36.3	15.0	12.6					
MIN	3.0	4.3	7.1	6.9	9.0	7.8	4.4					

ESTACION RIO BOLO " BOLO ARRIBA"
 Caudales Promedios Diarios en m³/s
 AÑO CALENDARIO
 1972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1		4.5	1.1	5.0	8.2	4.5	7.9	2.4	4.3	3.4	1.7	3.1
2		3.8	1.1	5.1	7.6	4.5	9.5	1.9	3.1	1.5	13.2	3.9
3		3.8	1.0	4.4	6.8	4.2	9.5	2.1	3.7	1.4	11.5	3.7
4		3.9	0.9	3.6	6.4	4.0	6.1	1.9	3.6	1.2	9.9	3.0
5		3.9	1.0	3.1	5.8	4.0	5.1	1.8	2.4	1.4	8.5	3.6
6		3.8	1.0	2.9	4.9	3.6	4.7	2.4	2.3	1.0	5.5	3.1
7		3.1	1.0	2.3	5.8	3.4	6.2	2.3	2.1	1.4	3.2	2.4
8		4.7	1.6	2.2	5.8	3.5	4.3	2.3	2.0	1.4	3.1	2.9
9		5.0	11.1	2.1	5.9	3.4	4.2	1.9	1.9	1.3	2.6	8.0
10		5.0	2.2	2.7	5.5	3.2	3.8	1.8	1.9	1.2	2.2	6.3
11		8.4	5.9	3.7	7.3	7.2	4.4	2.4	1.9	5.2	2.1	3.1
12		3.6	7.0	3.8	5.9	5.8	8.4	1.9	1.8	4.6	2.1	2.8
13		2.7	3.8	31.8	5.7	5.1	5.3	2.3	1.7	1.4	1.7	2.6
14		2.4	2.4	5.6	5.8	5.7	3.8	1.9	1.7	6.5	1.8	2.3
15		2.3	1.3	4.9	5.4	5.1	3.6	2.3	1.4	1.8	1.7	1.8
16		2.4	1.1	4.5	5.1	4.6	5.2	2.1	2.9	1.7	26.7	1.8
17		2.6	0.9	5.1	6.3	4.0	3.5	2.1	1.8	1.3	5.3	2.0
18		2.9	1.0	4.7	6.6	3.5	3.5	3.8	3.8	1.1	4.7	1.8
19		2.7	1.0	10.8	6.8	3.4	3.7	2.6	2.3	1.0	3.2	1.7
20		2.6	0.9	43.6	6.8	3.1	3.2	2.6	11.9	1.0	2.8	1.9
21		2.6	3.2	11.5	6.8	3.0	3.5	3.1	3.3	1.4	4.3	1.5
22		2.7	35.6	9.8	8.4	3.4	3.2	2.9	2.7	1.1	25.5	3.7
23		2.5	8.7	...	6.8	3.8	3.4	2.2	2.3	1.1	7.7	2.7
24		2.6	6.6	7.4	6.6	3.9	3.4	2.1	2.2	1.1	6.4	1.7
25		2.3	8.4	6.8	6.6	3.7	3.1	2.0	2.1	1.0	4.8	1.9
26		2.0	7.6	6.8	6.0	3.9	2.8	2.3	2.1	1.0	4.5	1.6
27		1.6	7.1	6.6	6.0	3.8	2.7	2.3	2.3	0.9	3.7	1.1
28	32.2	1.1	6.0	20.4	6.0	3.1	3.1	2.1	2.0	0.9	3.1	1.0
29	6.5	1.2	5.8	7.3	5.8	2.7	2.9	2.1	1.7	0.8	2.9	0.9
30	5.2		8.7	10.2	5.9	11.5	2.8	2.4	1.6	0.9	2.8	0.8
31	5.0		6.1		5.0		2.7	5.0		0.9		0.8
TOT		92.7	151.1	238.7	194.3	128.6	139.5	73.3	80.8	51.9	179.2	79.5
PROM		3.2	4.9	8.2	6.3	4.3	4.5	2.4	2.7	1.7	6.0	2.6
MAX		11.3	45.2	79.8	9.1	16.9	12.8	4.7	16.3	16.9	40.7	11.0
MIN		1.1	0.9	1.9	4.9	2.6	2.6	1.1	1.3	0.7	1.2	0.7

ESTACION RIO BOLO

Caudales Promedios Mensuales y Anuales en m³/s

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Promedio anual
1964	---	1.2	0.7	1.7	1.1	1.5	1.5	1.0	0.9	1.4	2.1	3.4	1.5
1965	1.9	0.8	0.7	3.7	5.4	1.8	0.7	0.5	1.0	3.0	4.7	(3.9)	2.3
1966	1.2	0.5	(0.9)	1.2	2.4	1.6	1.0	0.7	0.6	1.7	3.9	(10.3)	2.2
1967	3.7	3.5	3.5	3.1	4.2	5.5	3.6	2.1	0.7	2.5	13.0	6.1	4.3
1968	3.3	4.5	2.5	6.1	4.1	5.5	3.3	1.8	1.9	7.7	8.0	8.1	4.7
1969	3.5	2.0	1.1	7.6	11.2	5.9	2.3	1.3	1.8	9.8	10.0	4.0	5.0
1970	2.4	2.5	3.2	2.3	4.3	4.0	1.3	1.0	1.3	4.2	10.7	5.5	3.6
1971	7.5	13.2	17.5	17.3	16.3	10.9	7.4	---	---	---	---	---	(12.9)
1972	---	3.2	4.9	8.2	6.3	4.3	4.6	2.4	2.7	1.7	6.0	2.6	(4.3)

ESTACION RIO BOLO

Caudales Promedios Mensuales y Anuales en m³/s

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1964 Max	---	2.3	1.0	5.2	---	---	2.8	1.7	2.0	5.3	14.0	13.5	14.0
Min	---	0.6	0.6	0.7	---	---	0.9	0.7	0.6	0.6	0.9	1.3	0.6
1965 Max	4.5	1.3	1.1	20.3	20.5	3.4	2.2	2.7	5.5	28.8	22.1	7.3	28.8
Min	0.8	0.4	0.3	0.3	1.9	0.5	0.2	0.2	0.2	0.6	1.6	2.1	0.2
1966 Max	2.7	0.9	---	6.1	(16.2)	5.4	1.6	2.2	1.2	14.1	---	---	16.2
Min	0.7	0.4	---	0.5	0.5	1.0	0.4	0.4	0.4	0.4	0.8	5.9	0.4
1967 Max	7.0	32.0	7.0	5.9	---	---	7.0	4.1	8.8	45.5	63.5	11.0	63.5
Min	2.0	2.1	2.0	2.4	---	---	2.1	0.9	0.1	0.1	3.6	3.9	0.1
1968 Max	17.1	18.0	6.3	53.8	17.4	42.8	17.4	6.1	30.8	48.2	43.6	32.7	53.8
Min	1.6	2.2	1.6	1.5	2.3	3.0	2.0	0.6	0.8	1.0	3.5	4.3	0.6
1969 Max	6.7	5.5	2.5	49.3	58.5	13.1	5.2	2.5	14.8	58.5	58.5	6.1	58.5
Min	2.3	1.0	0.6	1.7	4.8	3.3	1.2	1.0	0.9	3.9	6.3	1.7	0.6
1970 Max	23.1	35.0	35.0	8.2	18.9	7.6	2.2	5.2	13.4	78.3	35.0	18.9	78.3
Min	1.0	1.1	1.1	0.4	11.3	2.7	0.6	0.4	0.5	1.0	5.6	3.3	0.4
1971 Max	26.9	49.3	49.3	49.3	36.4	15.0	12.6						(49.3)
Min	3.0	4.3	7.1	6.9	9.0	7.8	4.4						(3.0)
1972 Max	---	11.3	45.2	79.8	9.1	16.9	12.8	4.7	16.3	16.9	40.7	11.0	79.8
Min	---	1.1	0.9	1.9	4.9	2.6	2.6	1.1	1.3	0.7	1.2	0.7	0.7

ESTACION RIO CALI " BOMBEROS"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	4.7	4.7	1.4	3.4	6.7	8.5	3.4	.7	4.2	1.4	5.1	10.7
2	4.2	4.2	1.9	2.5	16.9	6.7	2.9	.9	2.9	.9	5.1	4.2
3	4.2	3.8	1.6	2.2	9.2	9.2	2.9	1.1	1.1	.7	3.8	2.9
4	3.8	3.8	1.4	2.9	7.8	10.7	2.5	1.4	.9	.9	6.2	3.4
5	4.7	3.4	1.4	2.5	8.5	6.7	2.9	1.1	.7	.6	5.6	4.7
6	4.7	3.8	1.4	2.2	8.5	5.6	3.4	1.1	.7	1.9	2.9	2.9
7	4.2	5.1	1.4	2.5	6.2	8.5	3.4	1.1	.7	2.9	4.2	4.2
8	3.8	8.5	1.4	1.9	8.5	4.7	2.9	.9	.7	1.4	3.4	3.4
9	5.6	4.2	1.4	15.2	6.2	8.5	2.9	.9	.7	1.4	2.5	4.2
10	5.1	3.8	2.2	8.5	6.2	11.4	2.5	.9	.7	1.6	2.2	5.1
11	4.2	3.8	2.5	7.8	15.2	5.1	2.5	1.1	.7	2.5	3.8	5.1
12	7.3	6.7	1.4	6.2	11.4	8.5	4.2	1.1	.7	1.1	3.4	3.8
13	4.7	4.2	1.4	8.5	12.9	2.5	2.9	1.1	.7	5.6	3.4	2.9
14	4.2	4.2	1.1	4.7	7.8	12.2	2.2	.9	.6	3.4	3.8	2.9
15	7.8	3.4	1.1	3.8	7.3	6.2	1.9	1.1	.7	1.9	2.5	2.5
16	14.4	3.8	.9	3.8	6.7	4.2	1.9	1.1	1.9	1.4	9.2	2.5
17	11.4	3.8	1.1	2.9	7.8	2.9	2.5	1.1	1.4	1.6	4.2	2.5
18	7.8	2.9	.9	3.4	7.8	5.1	2.9	4.2	1.4	1.6	2.9	3.8
19	5.6	2.9	.9	5.1	7.8	10.0	2.5	1.9	1.1	1.6	2.9	6.2
20	5.6	2.5	3.8	9.2	13.7	6.7	3.8	1.6	5.6	1.6	3.4	5.6
21	10.0	2.5	2.9	4.7	12.9	9.2	2.5	.9	2.2	2.2	2.9	10.7
22	10.0	2.2	3.4	3.8	10.7	6.2	1.6	.9	1.6	3.8	16.9	10.0
23	7.3	2.2	2.5	4.2	7.8	6.2	1.6	.9	1.1	3.4	6.2	6.2
24	11.4	1.9	1.9	4.2	7.8	5.1	1.1	.9	.9	2.2	4.2	5.1
25	4.7	1.9	1.4	4.2	9.2	6.7	1.1	.7	.9	1.6	3.8	4.5
26	10.7	1.6	6.7	2.9	8.5	4.7	.9	1.1	.9	1.1	2.9	4.2
27	7.8	1.6	3.8	2.5	7.3	4.7	.7	.9	.9	1.1	2.5	3.4
28	10.7	1.6	7.8	5.6	6.7	4.2	1.6	.9	.9	1.1	2.2	3.4
29	6.7	1.6	10.7	24.9	6.2	3.8	1.1	.7	.9	1.4	1.9	2.9
30	6.2		6.7	9.2	9.3	3.4	.9	1.1	.9	2.2	1.9	2.5
31	5.1		4.2		7.8		1.6	1.6		3.4		2.5
TOT	208.6	100.6	82.6	165.4	277.3	198.1	71.7	35.9	39.3	59.3	125.9	138.9
PROM	6.7	3.5	2.7	5.5	8.9	6.6	2.3	1.2	1.3	1.9	4.2	4.5
MAX	48.2	22.2	46.2	72.9	53.1	19.6	4.7	6.7	25.8	22.2	76.0	34.6
MIN	2.2	1.6	.7	1.9	5.1	2.9	.6	.7	.6	.4	1.6	2.5

ESTACION RIO FRAILE BUCHITOLO

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	6.4	6.1	7.9	38.5	9.5	19.5	9.3	6.2	8.2	4.4	6.9	7.6
2	6.4	5.5	7.3	24.0	9.0	15.2	8.5	6.0	8.2	4.4	9.9	7.3
3	6.4	7.3	7.3	21.3	8.2	11.3	8.4	6.9	7.9	8.7	17.5	7.0
4	6.4	10.3	8.8	20.0	10.5	10.8	8.2	6.9	7.8	8.2	11.6	6.9
5	6.4	9.5	7.9	16.5	8.3	15.8	8.2	11.8	7.6	7.3	10.4	6.9
6	6.6	9.0	7.9	13.6	30.0	15.6	7.6	10.9	7.0	7.0	9.6	6.9
7	9.1	8.7	8.7	12.5	16.5	13.5	6.9	9.4	8.1	6.6	9.1	6.6
8	---	7.9	10.3	11.0	13.8	12.5	7.2	9.1	9.1	8.1	8.7	6.2
9	---	7.1	8.5	23.4	13.4	12.0	7.0	8.5	11.6	9.1	19.4	5.8
10	---	6.7	7.6	18.0	9.8	10.8	13.0	8.5	10.1	10.8	19.2	5.5
11	---	8.8	7.0	13.0	9.5	10.3	17.5	8.5	7.5	17.7	13.2	5.5
12	---	16.0	7.0	9.6	16.0	9.0	15.6	8.8	6.6	9.9	11.6	5.4
13	---	15.0	7.4	9.0	12.1	7.6	15.6	8.1	6.2	7.6	10.8	5.2
14	8.3	11.2	7.4	8.3	11.9	7.6	13.0	7.8	6.4	6.8	10.4	4.8
15	7.9	10.0	7.9	8.2	14.8	7.6	12.5	7.3	6.0	10.9	8.7	5.0
16	7.0	8.7	7.9	7.9	13.4	10.8	9.9	7.0	5.9	8.4	7.3	6.2
17	7.1	8.2	7.3	9.1	11.9	9.9	9.0	6.2	5.9	7.8	6.9	6.9
18	8.2	11.2	6.7	19.0	23.4	9.3	7.8	6.2	5.9	7.2	11.4	13.3
19	7.7	9.8	6.7	16.7	21.5	9.1	7.5	6.8	5.8	12.1	11.6	17.5
20	8.7	9.6	7.4	13.0	19.4	8.8	7.0	7.0	5.4	9.0	13.7	16.4
21	11.2	8.3	7.9	15.4	18.8	8.4	5.8	8.9	5.5	8.4	14.5	14.4
22	12.5	8.2	8.2	11.5	16.0	10.4	5.1	6.9	7.0	7.8	17.1	11.6
23	11.2	7.9	8.2	10.0	14.2	7.6	11.1	6.8	5.9	7.6	14.9	33.5
24	9.1	7.4	9.1	13.0	12.5	8.7	12.6	6.4	5.5	11.4	11.1	33.2
25	8.0	7.3	11.0	11.3	32.0	9.9	10.3	6.4	5.0	8.8	15.6	29.5
26	7.0	8.0	16.2	10.8	21.4	9.9	8.1	7.3	5.5	17.5	11.6	26.5
27	7.4	10.3	11.9	9.8	14.8	10.4	7.0	6.9	4.7	10.3	10.4	16.6
28	7.0	9.1	11.5	9.8	13.8	13.2	6.4	6.9	4.1	8.8	8.8	14.2
29	7.4		18.5	9.6	20.8	11.3	6.3	6.4	5.9	8.4	8.2	10.9
30	7.0		22.4	8.5	16.0	9.9	7.9	10.3	4.5	7.5	7.8	8.8
31	6.7		24.8		14.6		7.3	8.8		7.2		8.8
TOT	(197.1)	253.2	304.6	411.0	477.9	326.7	287.6	239.9	200.8	275.7	347.9	360.9
PRO	(7.9)	9.0	9.8	13.7	15.4	10.8	9.2	7.7	6.7	8.8	11.5	11.6
MAX	----	16.0	32.0	40.2	31.9	18.3	17.9	12.5	15.1	19.8	23.0	34.5
MIN	----	5.5	6.7	7.9	8.2	7.3	4.8	5.9	3.9	4.4	6.9	4.8

ESTACION RIO FRAILE "BUCHITOLO"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	7.8	8.2	4.6	10.9	10.3	9.1	26.7	5.2	5.5	5.1	5.8	9.4
2	7.8	7.7	4.9	10.0	11.9	7.5	23.2	5.0	4.9	4.5	6.4	9.1
3	7.4	7.2	4.7	9.6	10.0	7.5	27.2	4.6	5.0	4.3	14.5	6.7
4	7.4	6.8	4.6	8.5	9.3	7.1	19.2	4.1	6.1	4.2	14.5	5.7
5	7.2	6.6	5.1	7.7	9.3	7.0	11.9	3.8	6.4	4.1	12.0	5.1
6	7.1	6.5	6.1	6.3	11.5	6.8	10.9	3.6	5.8	3.6	9.4	4.3
7	7.0	6.4	5.8	5.8	10.0	6.7	12.9	3.4	5.3	3.7	8.1	4.1
8	6.4	10.9	7.8	5.5	9.1	6.5	9.4	3.3	5.1	3.8	7.1	3.6
9	6.4	10.0	6.3	6.1	9.0	6.8	8.7	3.3	5.0	3.8	6.8	4.1
10	6.0	10.9	9.1	7.0	8.4	6.7	7.7	3.4	5.1	3.8	6.7	5.5
11	5.7	12.7	12.7	7.2	10.5	7.2	8.7	5.6	5.0	5.0	5.6	5.3
12	6.0	15.9	8.8	7.1	10.0	7.5	15.1	5.2	3.5	5.2	5.2	5.3
13	5.7	18.4	7.5	23.6	10.7	7.7	16.4	5.0	4.3	4.7	5.2	5.5
14	5.3	12.2	6.8	16.1	10.2	9.0	10.5	4.7	4.1	6.1	4.7	5.2
15	9.0	9.3	6.7	12.9	13.6	9.3	8.5	5.2	4.0	5.7	4.7	4.9
16	18.8	8.8	6.1	13.2	9.9	7.8	10.3	5.7	5.3	5.5	5.5	4.7
17	15.7	8.5	5.8	13.8	9.6	7.4	9.4	5.3	6.0	5.1	9.1	4.7
18	12.4	7.9	5.7	12.9	9.7	7.1	8.4	6.0	5.6	4.5	7.7	4.5
19	9.3	7.7	5.7	15.3	9.6	6.4	8.4	5.8	5.6	4.0	6.3	4.4
20	8.8	7.5	5.6	31.4	10.0	6.3	7.8	5.3	5.6	3.7	7.1	5.0
21	11.0	7.1	6.1	15.1	14.2	6.1	7.9	5.8	5.7	3.6	8.8	5.2
22	11.5	6.5	23.6	11.9	17.0	6.0	7.7	6.1	5.6	3.7	15.7	10.0
23	16.6	5.8	19.4	11.0	11.4	6.5	7.4	6.3	5.7	3.7	14.9	6.5
24	15.1	5.7	13.4	9.7	10.0	7.7	7.0	5.8	5.5	3.6	10.3	5.5
25	13.4	5.5	11.5	9.1	9.3	8.7	6.4	5.3	5.1	3.3	8.9	5.0
26	13.1	5.2	11.5	8.7	9.3	10.0	6.4	6.3	5.1	3.6	7.8	4.5
27	14.4	5.7	9.3	8.8	13.4	10.2	8.7	5.1	5.8	3.3	7.1	3.6
28	22.5	5.6	8.8	14.4	10.3	9.3	9.3	4.7	5.7	3.2	6.5	3.4
29	14.4	5.0	9.9	10.9	7.8	8.2	8.1	4.5	5.1	3.3	6.0	3.0
30	7.8		13.4	10.5	9.4	14.7	7.1	5.8	5.1	3.3	5.7	2.9
31	8.2		12.2		8.8		6.0	7.0		4.7		3.1
TOT	315.2	242.2	269.5	341.0	323.5	234.8	343.3	156.2	157.6	129.7	244.1	159.8
PROM	10.2	8.4	8.7	11.4	10.4	7.8	11.1	5.0	5.3	4.2	8.1	5.2
MAX	23.8	19.2	15.1	41.2	20.5	20.1	30.2	9.9	11.2	11.2	22.7	14.9
MIN	5.1	4.9	5.1	5.1	7.8	5.6	5.5	2.7	3.8	2.9	4.5	2.7

ESTACION RIO FRAILE BUCHITOLO

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1962	4.2	3.4	4.9	4.9	10.7	9.9	10.3	6.1	3.9	10.8	(10.8)	13.2	7.8
1963	8.3	13.0	8.6	17.6	14.8	8.4	8.7	7.5	6.8	5.7	18.1	3.6	10.1
1964	2.4	(2.6)	1.4	4.4	5.2	8.5	8.1	5.7	6.5	6.5	(6.2)	7.7	5.5
1965	5.7	1.8	2.1	12.8	9.9	7.2	7.8	4.5	4.1	6.9	11.0	(5.5)	6.6
1966	2.6	1.8	4.0	3.2	6.3	5.3	5.3	5.5	3.8	4.2	8.7	14.9	5.2
1967	5.6	6.4	8.6	6.5	12.9	14.7	11.8	10.4	4.2	5.9	14.2	7.2	9.0
1968	5.2	9.7	6.2	13.7	6.1	12.4	12.2	8.0	6.2	10.1	12.5	14.3	9.7
1969	4.5	4.0	2.4	10.9	13.3	7.8	5.3	3.9	3.5	14.8	9.7	3.3	7.0
1970	3.5	5.9	7.5	5.8	9.2	9.2	4.5	6.4	5.9	10.9	14.7	8.0	7.6
1971(7.9)	9.0	9.8	13.7	15.4	10.8	9.2	7.7	6.7	8.8	11.5	11.6	10.3	
1972	10.2	8.4	8.7	11.4	10.4	7.5	11.1	5.0	5.4	4.2	8.1	5.2	8.0

ESTACION RIO FRAILE BUCHITOLO

Caudales máximos y mínimos mensuales y anuales.-
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1962	Max	12.9	7.8	9.5	11.0	18.9	19.8	21.7	9.9	6.1	27.1	60.3	27.5	60.3
	Min	2.8	1.8	1.8	2.2	6.7	6.7	4.8	4.2	2.8	4.1	6.1	4.9	1.8
1963	Max	20.9	20.2	18.9	27.9	24.8	14.4	14.7	12.6	9.5	34.7	43.0	7.8	43.0
	Min	5.3	8.1	4.8	12.6	10.2	6.3	6.1	4.8	4.3	2.0	4.3	2.0	2.0
1964	Max	-----	(9.0)	2.4	11.4	15.1	34.1	12.7	21.1	12.7	18.4	(15.7)	18.4	34.1
	Min	-----	(0.5)	1.0	(1.2)	(1.8)	4.9	3.3	2.5	3.4	1.5	(3.0)	4.3	(0.5)
1965	Max	15.1	3.3	3.0	71.5	34.7	10.1	23.0	7.6	6.7	21.6	25.9	-----	71.5
	Min	3.3	1.0	1.0	2.5	5.4	5.1	3.8	3.0	2.8	1.8	3.9	-----	1.0
1966	Max	3.9	3.0	9.8	4.4	25.0	8.0	7.5	10.2	6.5	6.5	31.3	25.4	31.3
	Min	1.5	0.9	0.8	2.4	2.7	3.6	3.4	3.7	1.6	3.2	2.8	7.7	0.8
1967	Max	7.7	12.9	27.2	12.7	36.3	46.4	30.6	27.6	5.2	20.8	26.2	11.6	46.4
	Min	4.2	5.1	3.7	4.6	6.7	7.7	5.3	4.6	2.8	3.2	5.3	5.3	2.8
1968	Max	9.3	39.0	9.3	35.1	7.5	34.4	30.1	15.8	9.9	29.4	29.1	43.5	43.5
	Min	3.6	5.3	4.6	4.2	5.3	5.9	5.3	4.9	4.2	5.3	5.3	6.3	3.6
1969	Max	6.7	6.0	3.0	23.3	49.8	12.5	8.5	7.4	15.4	27.8	19.7	4.7	49.8
	Min	3.4	2.6	1.6	2.5	5.3	4.6	3.0	2.5	1.8	8.2	5.1	2.0	1.6
1970	Max	6.0	17.5	23.3	14.4	30.5	15.0	5.3	9.0	9.5	22.6	24.6	10.7	30.5
	Min	1.8	1.4	2.0	2.8	4.7	5.3	3.0	4.1	3.5	4.7	9.8	6.0	1.4
1971	Max	-----	16.0	32.0	40.2	32.0	19.5	17.9	12.5	15.1	19.8	23.0	34.5	40.2
	Min	-----	5.5	6.7	7.9	8.2	7.3	4.8	5.9	3.9	4.4	6.9	4.8	3.9
1972	Max	23.4	19.2	15.1	41.2	20.5	20.1	30.2	9.8	6.8	11.2	22.7	14.9	41.2
	Min	5.1	4.9	5.1	5.1	7.8	5.6	5.5	2.7	3.8	2.9	4.5	2.7	2.7

ESTACION RIO JAMUNDI POTRERITO

Caudales Promedios Diarios en m³ / seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	3.0	4.8	5.3	12.8	4.3	6.4	2.4	0.9	1.3	3.7	5.9	5.6
2	2.8	4.3	5.3	14.2	6.1	7.9	2.0	0.8	1.3	5.9	6.7	5.0
3	2.8	6.7	4.3	16.2	12.3	5.3	2.3	1.0	1.1	9.4	8.7	4.8
4	5.0	9.8	5.0	12.3	10.2	10.5	1.8	1.1	1.3	10.2	6.7	5.0
5	9.8	13.7	4.1	10.2	7.2	10.2	1.7	3.0	1.6	7.2	5.9	4.8
6	17.8	9.4	3.9	8.3	12.8	6.7	1.7	1.8	1.0	6.1	5.6	4.3
7	36.7	7.6	3.7	9.8	13.3	9.8	1.8	2.0	1.1	6.1	16.2	3.9
8	21.9	7.2	3.9	6.4	16.7	6.4	1.7	1.8	2.4	4.5	11.4	3.7
9	14.2	8.7	4.5	5.6	13.3	6.4	1.6	1.8	5.6	4.8	9.8	3.5
10	10.5	7.6	3.2	5.9	9.4	5.9	1.7	2.0	3.2	6.7	7.9	3.5
11	8.7	6.7	7.2	5.3	6.9	5.0	1.4	1.8	2.4	12.3	6.7	3.7
12	7.9	6.1	12.3	4.8	6.4	8.3	1.3	2.0	2.1	6.9	6.1	3.7
13	6.9	9.1	7.9	4.3	6.1	6.7	1.4	1.8	2.1	6.4	5.0	4.1
14	6.9	20.1	5.9	9.4	9.1	5.3	1.4	1.8	1.7	6.4	5.6	3.0
15	6.1	22.5	10.9	4.3	5.0	4.5	1.8	1.8	1.6	5.3	4.5	2.6
16	10.2	27.7	19.0	3.9	16.2	3.9	1.3	1.8	3.5	9.1	3.7	2.6
17	8.7	19.5	13.7	7.9	6.9	5.9	1.3	3.0	3.2	12.8	4.5	3.2
18	7.6	22.5	22.5	6.4	12.3	4.1	1.3	1.8	2.4	14.2	7.2	3.0
19	6.9	30.7	12.3	5.6	8.3	3.2	1.1	3.2	2.0	17.3	5.0	3.7
20	6.7	19.0	18.4	8.3	21.2	2.8	1.1	4.1	2.6	14.2	4.3	3.5
21	6.4	14.2	13.3	5.9	10.5	3.2	1.1	3.9	2.3	9.8	4.8	7.6
22	5.3	86.1	13.7	4.5	7.6	2.8	1.0	1.6	2.0	13.7	4.3	9.4
23	5.0	16.2	11.8	6.4	8.3	2.4	1.3	1.3	2.3	12.3	3.9	8.7
24	4.8	12.3	31.5	5.9	5.6	2.6	1.0	1.3	3.7	10.5	4.5	7.2
25	4.3	9.4	17.8	4.5	15.6	2.1	1.0	2.6	2.1	8.7	11.8	6.4
26	4.3	7.2	13.7	4.1	13.7	2.0	1.7	2.6	2.1	6.9	26.4	5.9
27	4.5	6.4	13.7	4.3	9.1	2.1	2.4	3.9	1.7	6.7	12.3	19.5
28	5.3	5.6	17.3	5.0	8.3	3.0	1.0	2.3	2.4	5.6	9.1	10.2
29	6.4		15.6	3.9	9.1	2.3	1.7	1.8	2.8	5.6	6.9	6.1
30	4.5		13.3	3.7	10.9	2.4	1.0	1.7	2.6	1.8	5.9	7.2
31	6.7		13.7		7.2		1.0	1.4		6.7		7.9
TOT	258.6	421.1	348.7	210.1	309.9	150.1	46.3	63.7	67.5	260.8	227.3	173.3
PRO	8.3	15.0	11.2	7.0	10.0	5.0	1.5	2.1	2.3	8.4	7.6	5.6
MAX	84.9	174.6	83.9	47.5	174.6	92.7	3.7	6.7	24.5	96.6	66.5	60.4
MIN	2.4	4.1	3.2	3.5	3.2	1.8	0.9	0.8	1.0	2.8	3.5	2.4

ESTACION RIO JAMUNDI " POTRERITO "
Caudales Promedios Diarios en m³/seg

AÑO CALENDARIO
1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	6.7	6.4	3.5	5.9	6.9	6.7	3.5	1.3	2.6	6.7	16.7	10.2
2	6.1	5.9	4.1	5.3	12.8	6.4	3.2	1.1	2.1	3.0	12.3	6.9
3	5.6	5.0	2.8	4.8	9.4	6.4	3.0	1.1	1.8	3.0	11.4	6.4
4	5.3	4.5	3.0	5.0	10.2	6.9	3.0	1.1	1.7	2.6	12.8	6.1
5	5.3	4.3	3.7	5.0	12.3	6.4	3.2	1.0	1.6	2.3	9.1	7.6
6	4.8	4.1	3.5	6.9	12.3	5.6	3.5	1.0	1.6	3.7	7.6	7.6
7	4.5	5.9	3.7	5.0	10.2	5.3	3.5	1.0	1.4	4.8	9.8	9.8
8	5.0	6.9	4.1	4.1	14.7	5.0	3.0	1.3	1.4	3.2	10.2	6.9
9	6.1	5.6	3.5	7.2	16.2	7.6	3.5	1.3	1.3	7.7	9.1	13.7
10	6.4	16.7	3.0	10.5	13.7	5.9	2.8	1.3	1.3	8.3	12.3	8.7
11	7.2	41.1	2.8	8.7	11.4	5.3	2.6	1.3	1.3	16.7	12.3	7.2
12	7.2	19.0	2.8	6.9	9.8	5.6	2.4	1.3	1.1	10.5	11.8	6.7
13	7.2	13.3	2.6	8.7	8.7	8.3	2.4	1.3	1.1	9.8	20.6	6.1
14	5.9	10.2	2.4	5.9	7.6	6.7	2.4	1.6	1.6	7.9	16.7	5.3
15	6.4	8.7	2.4	5.3	7.2	5.0	2.3	1.6	1.6	6.1	14.7	5.3
16	7.9	7.2	2.3	6.7	6.9	4.3	2.1	1.6	3.2	5.3	16.2	4.5
17	7.6	7.6	2.4	5.0	7.9	9.1	2.1	1.8	2.4	4.8	20.1	7.6
18	6.4	6.7	2.3	5.0	8.7	5.9	1.8	2.8	1.8	4.3	14.7	5.3
19	5.9	5.9	3.9	6.9	8.7	5.0	1.8	3.7	1.8	3.9	11.8	6.9
20	14.2	5.0	5.3	6.4	9.1	4.8	1.8	3.2	4.5	5.3	17.3	7.2
21	26.4	4.5	5.6	4.8	10.5	4.5	1.7	3.0	1.0	5.3	12.8	6.1
22	13.7	4.3	10.5	4.8	15.6	4.3	1.7	3.5	1.8	6.1	13.7	5.9
23	12.8	4.1	5.6	4.1	18.4	4.1	1.8	3.2	1.7	4.5	12.8	5.3
24	11.8	3.9	4.5	3.7	18.4	3.9	2.1	2.8	1.6	4.1	10.5	4.8
25	12.8	3.9	4.8	3.5	14.7	3.7	1.8	2.1	2.4	4.3	10.9	4.5
26	21.9	3.5	11.4	4.1	12.8	3.7	1.7	1.7	1.6	4.1	9.1	4.3
27	14.2	3.2	8.7	3.9	10.5	3.5	1.7	1.6	1.6	3.7	7.9	4.1
28	10.9	3.2	12.3	7.9	9.4	3.5	1.6	1.4	1.6	3.7	7.2	3.9
29	9.4	3.0	10.5	6.7	9.4	3.2	1.6	1.3	2.1	5.0	6.7	3.9
30	8.3		7.6	5.6	8.3	3.2	1.4	1.1	3.0	12.3	6.7	3.7
31	7.2		7.6		6.9		1.3	2.3		18.4		3.7
TOT	281.1	223.6	153.2	174.3	339.6	159.8	72.2	55.7	55.6	190.9	365.8	196.2
PROM	9.1	7.7	4.9	5.8	11.0	5.3	2.3	1.8	1.9	6.2	12.2	6.3
MAX	44.2	97.6	49.1	83.9	52.7	51.8	3.7	3.9	8.3	43.3	25.8	11.8
MIN	4.1	2.8.	2.1	3.2	6.7	3.2	1.6	1.1	1.0	2.1	6.1	3.5

ESTACION RIO JAMUNDI POTRERITO

Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1948	2.3	1.5	3.1	5.7	5.1	3.8	1.5	(1.1)	.9	.3.9	7.5	5.1	3.4
1949	6.5	7.3	6.4	5.1	6.3	7.0	2.9	1.4	3.0	7.1	16.1	6.9	6.3
1950	6.0	13.7	16.6	12.5	13.3	15.8	3.9	1.2	0.9	3.1	8.5	7.4	8.6
1951	2.9	6.9	2.4	2.2	3.8	2.4	2.2	1.0	1.1	3.7	10.1	8.3	3.9
1952	4.6	6.2	2.8	5.7	8.9	5.3	1.9	1.1	0.9	3.2	5.4	9.0	4.6
1953	6.5	2.9	3.2	8.4	8.1	3.8	1.9	0.8	1.0	8.8	11.0	10.0	5.5
1954	2.6	4.0	5.0	11.3	6.8	3.6	2.3	1.6	0.9	8.8	13.1	11.2	5.9
1955	7.4	2.8	7.7	7.6	3.8	4.8	3.5	2.1	3.0	8.7	11.5	12.6	6.3
1956	8.7	8.4	5.2	8.0	6.8	7.8	1.9	1.1	1.4	---	6.5	5.9	5.6
1957	5.7	3.0	4.8	7.4	6.1	3.7	1.3	0.9	1.2	3.2	6.6	5.2	4.1
1958	3.0	2.2	2.2	3.7	6.1	2.6	1.1	1.5	1.0	1.6	5.1	6.9	3.1
1959	4.8	1.7	2.8	4.7	6.7	9.4	2.3	1.3	0.9	3.9	3.8	6.8	4.1
1960	7.5	9.8	2.8	5.6	8.3	3.1	3.0	2.4	1.7	1.6	3.5	4.6	4.5
1961	2.8	2.4	2.7	5.6	3.4	4.9	2.3	1.2	1.6	1.6	6.2	2.2	3.1
1962	3.2	3.9	4.9	6.1	7.7	3.0	2.7	4.1	3.6	3.6	5.9	4.6	4.4
1963	2.2	5.8	4.8	5.3	8.2	5.6	2.1	1.6	1.9	3.6	11.3	3.6	4.7
1964	2.6	4.6	4.0	10.4	5.8	8.7	2.1	1.3	---	---	---	---	---
1965	(2.9)	2.8	2.4	8.5	6.8	1.2	0.4	0.4	1.2	3.3	7.6	4.3	3.5
1966	4.0	1.8	2.7	4.6	6.6	6.6	2.7	1.9	.7	4.1	6.4	7.8	4.2
1967	2.0	3.8	3.9	2.7	3.9	4.4	1.4	.6	1.0	4.8	9.0	4.4	3.5
1968	2.9	4.7	5.0	5.5	3.9	3.9	2.1	1.4	3.0	6.6	7.8	4.1	4.2
1969	2.4	2.2	1.5	7.5	7.3	5.0	1.8	1.4	2.6	7.2	5.9	4.2	4.1
1970	3.2	4.5	5.5	6.4	8.6	6.3	3.0	2.4	3.4	7.1	10.7	6.5	5.6
1971	8.4	15.0	11.2	7.0	10.0	5.0	1.5	2.1	2.3	8.4	7.6	5.6	7.0
1972	9.1	7.7	4.9	5.8	11.0	5.3	2.3	1.8	1.9	6.2	12.2	6.3	6.2

ESTACION RIO JAMUNDI POTRERITO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1948	Max 8.2	5.0	8.4	14.1	10.3	10.0	4.4	(1.9)	4.1	10.5	11.9	9.3	14.1
	Min 1.3	.9	1.5	1.3	2.2	1.3	1.1	(.8)	.7	.7	3.4	2.4	.7
1949	Max 19.7	42.0	42.0	11.9	20.9	19.4	(4.9)	2.2	24.6	22.7	55.0	27.9	55.0
	Min 2.2	2.5	2.6	2.9	2.9	2.2	(1.7)	---	1.1	---	4.5	1.8	1.8
1950	Max 17.7	65.4	64.0	48.0	45.0	80.0	14.9	2.1	3.1	8.6	---	23.0	80.0
	Min 2.1	3.6	4.9	4.1	4.9	5.4	1.2	.8	.6	1.1	2.5	2.0	.6
1951	Max 5.8	35.5	6.7	14.0	24.2	4.7	4.5	1.3	2.6	9.9	23.4	18.4	35.5
	Min 1.2	1.6	1.4	.8	1.7	1.6	1.4	.7	.7	.7	4.3	5.4	.7

ESTACION RIO JAMUNDI POTRERITO

Caudales Máximos y Mínimos mensuales y anuales

en m³/seg

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1952	Max 16.6	15.4	7.9	17.2	83.0	14.8	3.6	3.0	2.9	16.8	12.9	30.2	83.0
	Min 1.8	2.2	1.8	1.8	4.0	8.4	1.3	.7	.6	.8	2.8	5.7	.6
1953	Max 15.2	5.2	11.0	35.9	16.0	7.3	3.9	1.6	4.3	50.4	20.8	65.0	65.0
	Min 3.1	1.6	1.3	2.9	4.6	2.2	1.1	.5	.6	2.0	5.6	3.5	.5
1954	Max 6.9	11.4	13.6	50.4	29.4	13.1	7.1	3.1	2.4	45.5	70.5	35.9	70.5
	Min 1.7	1.8	2.0	4.3	2.8	1.8	1.4	.9	.5	1.3	6.8	6.2	.5
1955	Max 27.4	6.0	14.6	23.0	15.8	21.2	7.9	8.6	11.4	20.7	56.3	50.7	56.3
	Min 2.6	.8	1.7	2.8	1.2	1.5	1.9	1.0	1.0	2.3	3.7	5.6	.8
1956	Max 17.0	38.7	12.3	25.0	15.5	34.1	8.4	4.8	6.9	---	29.7	17.3	38.7
	Min 3.2	4.6	2.3	2.0	2.1	2.5	.8	.4	.1	---	2.2	2.7	.1
1957	Max 12.4	7.2	9.1	20.2	14.6	14.4	3.6	1.3	8.6	8.1	63.3	12.2	63.3
	Min 2.5	1.6	2.8	3.3	2.3	1.6	.9	.9	.9	.9	1.2	2.5	.9
1958	Max 21.5	6.1	13.8	18.2	16.4	5.8	2.2	6.6	2.6	8.7	100.5	27.8	100.5
	Min 2.1	1.3	1.3	1.3	2.9	1.4	1.0	1.0	1.0	.9	1.2	2.5	.9
1959	Max 13.9	2.7	81.0	12.1	15.7	25.2	4.8	4.5	3.1	19.3	6.9	15.7	81.0
	Min 2.1	1.3	1.4	1.7	2.7	4.3	1.0	.7	.4	1.0	1.7	2.9	.4
1960	Max 41.9	41.9	8.0	13.9	41.1	34.2	13.9	4.1	45.7	5.4	17.2	34.2	45.7
	Min 2.3	2.7	1.4	2.9	1.7	.7	1.9	1.3	.6	1.5	1.4	.6	.5
1961	Max 10.8	4.6	10.5	32.2	10.8	50.5	5.7	1.8	5.1	8.1	23.5	4.1	50.5
	Min .9	1.4	1.6	1.7	1.4	2.1	1.6	1.0	.1	.1	1.9	1.1	.1
1962	Max 11.8	12.1	19.3	25.9	24.0	10.1	6.6	13.0	11.5	14.3	12.1	23.5	25.9
	Min 1.9	2.5	1.0	2.7	3.8	1.9	1.4	2.1	.9	1.6	3.4	1.7	.9
1963	Max 3.6	17.7	20.3	16.7	32.8	16.2	11.1	7.3	3.6	18.3	41.9	40.4	41.9
	Min 1.6	2.9	2.1	2.5	3.4	2.5	.9	.7	.6	1.6	4.3	1.1	.6
1964	Max 8.0	20.3	32.8	54.7	16.7	63.5	8.7	6.3	---	---	---	---	---
	Min .8	2.1	1.9	2.1	2.7	2.1	1.1	.7	---	---	---	---	---
1965	Max 8.7	50.5	59.9	34.2	74.9	3.1	1.0	3.4	6.6	17.7	27.8	36.8	59.9
	Max 2.1	1.3	1.1	1.1	2.3	.6	.2	.1	.1	.4	2.7	1.9	.1
1966	Max 15.7	6.0	17.2	20.8	21.8	53.9	6.6	12.5	3.6	19.3	48.1	58.2	58.2
	Min 1.6	.9	.9	1.4	3.1	3.4	1.7	1.0	.3	2.1	2.9	3.4	.9
1967	Max 8.0	14.5	48.1	32.2	49.7	49.7	8.0	2.3	15.4	53.8	36.8	24.1	53.8
	Min .9	1.1	1.4	.9	1.3	1.0	.7	.3	.6	1.0	2.7	2.2	.3
1968	Max 21.0	33.0	37.6	32.3	26.7	30.2	18.7	27.3	36.8	53.8	98.6	52.0	98.6
	Min 2.0	1.7	2.3	2.2	1.6	1.6	1.0	.7	1.6	2.2	2.7	1.5	.7
1969	Max 12.1	18.0	15.8	133.2	77.8	142.2	3.0	7.3	21.4	36.5	41.4	19.1	142.2
	Min 1.2	1.5	.8	1.7	2.8	2.1	1.5	.7	.8	3.4	2.8	1.9	.7
1970	Max 69.0	39.8	69.0	63.7	87.3	193.9	10.8	8.4	64.8	44.8	107.6	80.2	193.9
	Min 1.2	1.2	1.7	1.3	3.6	2.3	1.5	1.3	1.3	3.0	4.9	63.7	1.2
1971	Max 85.0	175.0	83.9	47.5	174.6	92.7	3.7	6.7	24.5	96.6	66.5	60.4	174.6
	Min 2.4	4.1	3.2	3.5	3.2	1.8	0.9	0.8	1.0	2.8	3.5	2.4	0.8
1972	Max 44.2	97.6	49.1	83.9	52.7	51.8	3.7	3.9	8.3	43.3	25.8	11.8	97.6
	Min 4.1	2.8	2.1	3.2	6.7	3.2	1.6	1.1	1.0	2.1	6.1	3.5	1.0



CORPORACION AUTONOMA
REGIONAL DEL
VALLE DEL CAUCA

Centro de Información
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Biblioteca Seccional Cartago

ESTACION RIO LA VIEJA "CARTAGO"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Agot	Sep	Oct	Nov	Dic
1	91	85	76	87	115	90	58	28	48	40	105	96
2	90	80	90	78	134	89	58	28	41	47	87	127
3	83	77	75	75	103	86	59	27	33	38	80	77
4	82	78	72	71	96	87	55	28	26	29	160	70
5	83	89	74	70	102	82	77	29	25	32	149	74
6	77	91	74	68	107	86	90	27	23	27	109	61
7	74	99	72	63	102	96	67	26	21	30	87	63
8	69	178	87	62	102	99	60	27	22	25	114	59
9	85	116	75	80	96	152	53	26	24	25	96	76
10	75	157	115	74	89	226	53	26	23	33	80	66
11	68	163	100	78	85	245	58	27	21	57	75	59
12	94	190	87	62	77	149	54	28	20	45	59	55
13	89	239	71	103	74	122	51	29	19	38	115	51
14	70	178	69	96	77	118	48	108	18	65	116	55
15	102	133	69	70	192	112	45	30	19	47	85	51
16	185	118	70	94	99	115	45	37	69	36	127	48
17	207	146	66	92	190	90	43	40	48	30	114	78
18	124	133	63	86	175	98	42	49	33	28	99	85
19	112	104	67	86	194	82	41	46	32	26	74	104
20	145	95	127	115	177	80	40	35	39	30	77	139
21	145	91	98	108	157	103	40	35	62	34	100	107
22	163	89	188	100	325	83	39	31	37	40	151	143
23	137	83	152	100	162	76	39	29	42	49	175	89
24	148	78	145	94	139	74	37	28	34	36	163	77
25	122	75	134	92	122	86	35	26	42	30	111	81
26	165	72	157	80	124	80	46	27	39	29	87	70
27	134	74	125	100	122	70	35	32	36	26	80	61
28	119	98	121	115	107	66	34	29	34	28	70	56
29	105	96	154	195	118	62	31	28	31	26	68	53
30	103		111	145	100	61	31	27	33	35	60	51
31	89		92		92		30	90		59		49
TOT	3435	3305	3076	2739	3954	3065	1494	1083	994	1120	3073	2331
PROM	111	114	99	91	128	102	48	35	33	36	102	75
MAX	341	368	357	235	513	434	136	148	122	152	220	202
MIN	67	71	62	58	10	59	28	26	21	21	58	49

ESTACION RIO LA VIEJA CARTAGO

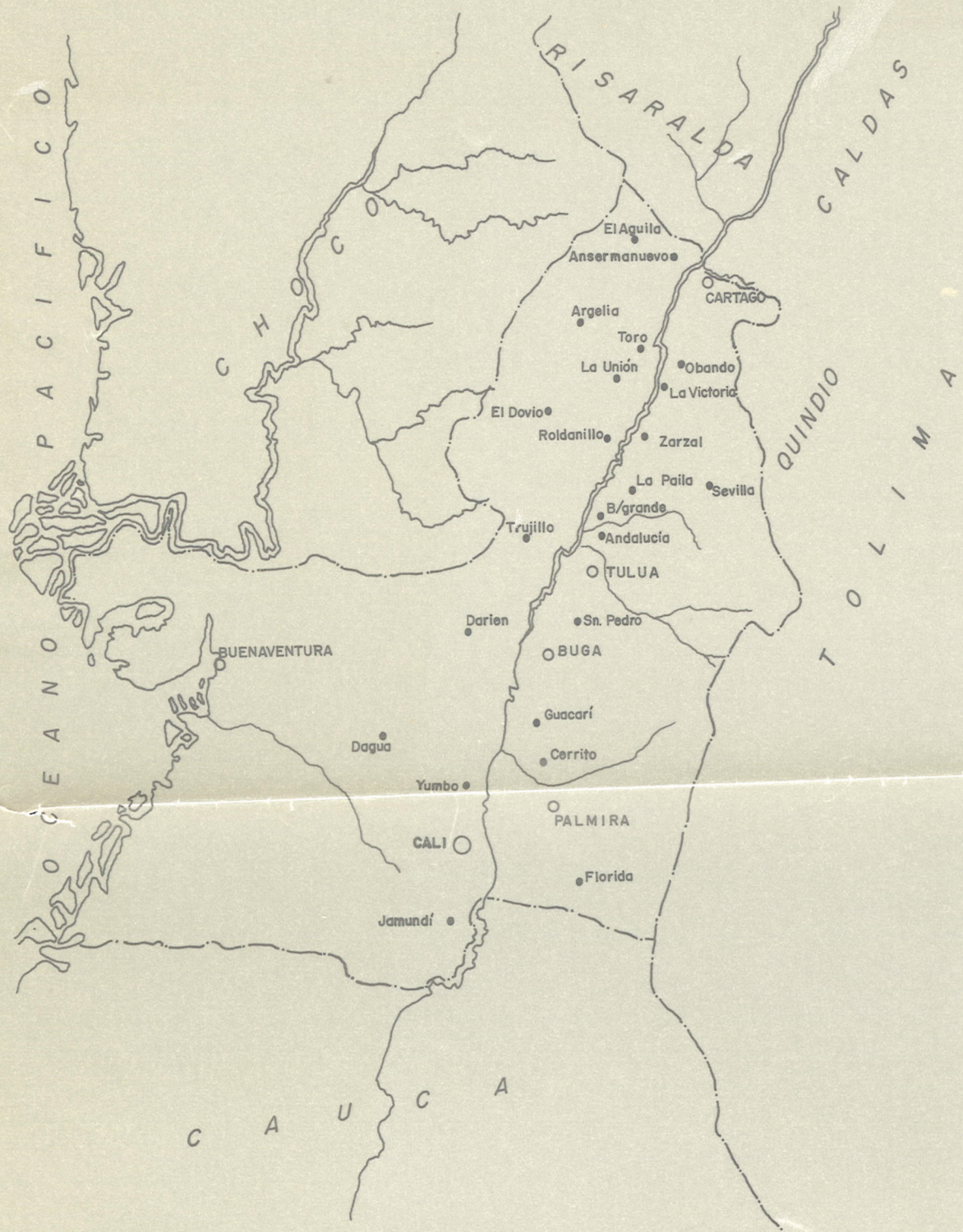
Caudales Promedios Mensuales y Anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1945										67	163	126	
1946	137	70	82	79	137	54	29	19	14	29	101	75	69
1947	90	65	43	50	68	73	65	53	59	159	149	107	82
1948	45	34	55	122	86	74	40	28	25	63	108	66	62
1949	61	55	62	56	96	81	72	43	44	100	285	227	99
1950	168	360	384	307	486	418	202	129	113	186	373	320	287
1951	202	---	---	---	---	---	63	41	33	92	224	153	---
1952	100	78	63	101	173	125	70	45	29	34	107	156	90
1953	74	53	48	119	169	102	52	26	39	158	231	225	108
1954	90	84	75	117	177	113	121	100	64	137	221	265	130
1955	154	75	160	294	158	148	114	73	70	204	252	268	164
1956	184	126	99	120	130	139	65	41	43	122	153	125	112
1957	83	54	65	95	121	82	41	28	22	35	62	108	66
1958	47	34	37	59	70	49	28	25	18	33	93	100	49
1959	67	42	41	55	93	94	55	54	32	75	129	102	70
1960	173	184	88	95	104	71	60	48	47	100	166	224	113
1961	68	83	75	105	75	75	54	59	30	43	201	89	80
1962	86	48	59	111	158	98	53	45	38	99	130	122	87
1963	70	86	106	171	122	66	61	47	35	45	155	79	87
1964	56	47	39	99	69	113	83	82	80	93	102	136	83
1965	73	46	38	113	151	53	29	24	25	76	180	123	78
1966	66	46	43	53	74	88	58	48	36	80	214	243	87
1967	83	78	97	89	124	113	56	40	34	66	178	99	88
1968	63	93	79	105	72	81	59	39	48	107	168	163	90
1969	77	56	36	116	133	75	35	28	28	120	132	71	76
1970	51	59	67	76	132	83	44	32	41	131	206	106	86
1971	158	169	221	223	218	140	82	73	77	116	181	111	147
1972	111	114	99	91	128	102	48	35	33	36	102	75	81

ESTACION RIO LA VIEJA CARTAGO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1945 Max										172	378	484	
Min										28	47	71	
1946 Max	484	216	280	161	558	87	46	23	20	90	672	116	672
Min	55	37	47	53	78	38	23	15	11	13	22	50	11
1947 Max	360	125	69	81	127	126	175	100	158	442	685	324	685
Min	53	42	30	32	38	44	39	33	31	41	81	62	30



PACIFICO
OCEANO

C A U C A

RISARALDA

CALDAS

QUINDIO

TOLIMA

BUENAVENTURA

CALI

Jamundí

Yumbo

Dagua

Darien

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Guacarí

Cerrito

Florida

PALMIRA

Sn. Pedro

TULUA

Andalucía

B/grande

La Paila

Sevilla

Zarzal

Roldanillo

El Dovio

La Unión

Toro

Argelia

Ansermanuevo

El Águila

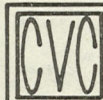
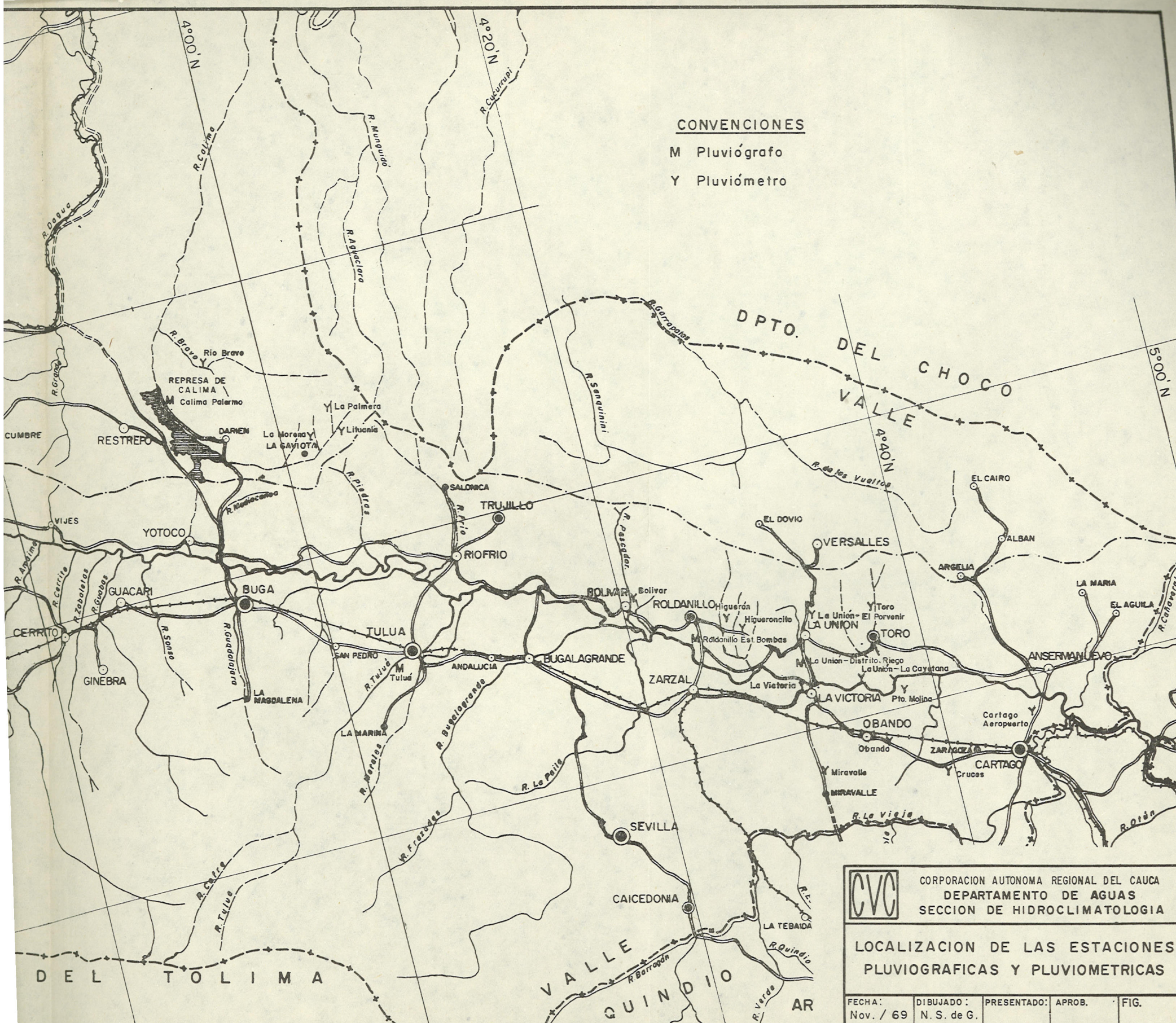
CARTAGO



CONVENCIONES

M Pluviógrafo

Y Pluviómetro



CORPORACION AUTONOMA REGIONAL DEL CAUCA
DEPARTAMENTO DE AGUAS
SECCION DE HIDROCLIMATOLOGIA

LOCALIZACION DE LAS ESTACIONES
PLUVIOGRAFICAS Y PLUVIOMETRICAS

FECHA: Nov. / 69	DIBUJADO: N. S. de G.	PRESENTADO:	APROB.	FIG.
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ESTACION RIO LA VIEJA CARTAGO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1948	Max	59	113	122	314	220	132	49	49	58	134	642	616	642
	Min	34	25	32	31	39	44	31	19	17	27	43	45	17
1949	Max	129	81	165	197	385	202	244	98	100	333	859	675	859
	Min	36	38	34	35	53	46	42	33	29	42	80	106	29
1950	Max	431	1099	998	941	1002	763	391	191	204	378	878	894	1099
	Min	77	165	201	165	191	191	132	103	87	100	145	159	77
1951	Max	350	---	---	---	---	---	250	86	50	328	495	358	495
	Min	153	---	---	---	---	---	35	30	26	26	123	109	26
1952	Max	238	206	170	254	498	393	145	68	60	91	360	655	655
	Min	57	43	37	40	98	63	51	32	18	20	34	60	18
1953	Max	151	120	145	358	507	363	86	43	102	522	784	692	784
	Min	47	25	31	39	85	63	33	15	19	54	47	114	15
1954	Max	303	113	127	232	696	226	220	375	109	226	692	723	723
	Min	58	63	53	81	91	78	94	68	53	53	72	148	53
1955	Max	487	263	803	665	516	378	358	252	117	777	596	886	886
	Min	74	48	76	140	103	85	74	53	52	56	111	150	48
1956	Max	565	296	280	393	565	469	96	56	110	409	490	250	565
	Min	99	76	62	60	67	81	50	30	31	38	96	82	30
1957	Max	165	134	208	324	439	177	54	35	38	145	385	393	439
	Min	48	41	44	48	52	50	31	21	19	16	26	55	16
1958	Max	94	41	58	234	252	111	41	34	25	64	433	236	433
	Min	31	30	29	29	40	38	21	21	15	17	31	49	15
1959	Max	131	60	104	117	252	224	68	150	44	350	370	189	370
	Min	46	33	31	34	50	45	44	31	26	27	55	71	26
1960	Max	531	662	132	246	317	110	131	64	117	625	519	953	953
	Min	70	96	76	67	63	56	49	42	37	32	87	87	32
1961	Max	90	450	208	240	117	238	140	77	51	150	682	165	682
	Min	53	49	49	55	53	50	42	53	22	15	70	70	15
1962	Max	291	74	155	439	525	289	86	69	60	312	799	333	799
	Min	54	27	29	43	88	51	30	37	28	57	63	52	27
1963	Max	385	230	294	792	540	248	202	165	62	75	422	150	792
	Min	52	57	56	70	51	43	34	31	27	34	74	60	27
1964	Max	122	86	129	348	134	345	294	340	188	310	436	386	436
	Min	38	32	28	35	40	55	55	45	39	24	52	69	24
1965	Max	108	61	52	310	453	106	40	36	42	223	721	305	721
	Min	40	38	34	37	63	33	24	21	19	23	62	75	19
1966	Max	210	97	186	259	262	318	127	156	137	239	640	546	640
	Min	42	32	32	28	40	46	36	34	27	42	57	122	27
1967	Max	124	257	446	341	391	424	104	81	98	305	571	266	571
	Min	60	59	53	56	83	66	44	32	26	29	76	68	26
1968	Max	136	302	222	251	157	212	151	84	139	371	546	422	546
	Min	44	51	51	47	54	55	44	31	33	43	67	80	31
1969	Max	155	109	80	464	342	234	70	45	117	342	419	156	464
	Min	61	43	26	30	68	48	26	22	15	37	87	46	15

ESTACION RIO LA VIEJA CARTAGO

Caudales máximos y mínimos mensuales y anuales
en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1970 Max	143	110	221	364	542	238	100	60	123	556	404	252	556
Min	32	30	37	32	71	54	30	21	26	52	145	58	21
1971 Max	507	407	981	647	755	518	285	311	192	390	735	283	981
Min	63	89	111	127	128	85	57	51	58	71	109	72	51
1972 Max	131	60	104	117	252	224	68	150	44	350	370	189	370
Min	46	33	31	34	50	45	44	31	26	27	55	71	26

ESTACION RIO LA QUEBRADA "CABITO"

Caudales Promedios Diarios en m³/seg

AÑO CALENDARIO

1971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	-----		7.9	3.9	3.1	2.1	1.3	.7	.5	.3	---	---
2	---	1.9	4.3	7.5	3.1	2.1	1.4	.7	.5	.4	---	---
3	---	2.5	4.3	7.2	3.1	2.1	1.4	.8	.5	.4	---	---
4	---	1.9	9.9	7.2	3.1	2.1	1.4	.8	.5	.5	---	---
5	---	2.5	4.3	4.5	3.1	1.9	1.4	.8	.5	.5	---	---
6	---	3.0	4.3	4.3	4.8	1.8	1.3	.8	.5	.4	---	---
7	---	2.3	4.3	--	3.9	1.8	1.2	.8	.5	.9	---	---
8	---	2.3	4.3	4.3	4.0	1.8	1.2	.8	.5	.3	---	---
9	---	2.8	3.7	3.5	---	1.8	1.0	.8	.5	.3	---	---
10	---	2.5	3.1	3.4	2.8	1.8	.8	.8	.5	.3	---	1.3
11	---	2.5	3.1	3.4	2.8	1.4	.8	.6	.5	.6	---	1.1
12	---	3.0	3.1	3.4	2.8	1.4	.8	.6	.5	.6	---	1.1
13	---	3.5	3.5	3.0	2.6	1.4	.8	.6	.2	.5	---	1.3
14	---	6.4	3.1	3.1	2.6	1.4	.8	.6	.2	.2	---	1.0
15	---	4.0	3.1	3.0	2.6	1.4	.7	.6	.2	.2	---	1.1
16	---	---	2.8	2.8	2.8	1.4	.8	.6	.4	.3	---	.8
17	---	(14.5)	(11.7)	2.8	2.6	1.4	.7	.6	.4	1.4	---	1.3
18	---	(14.5)	5.9	2.8	2.7	1.6	.7	.6	.4	.3	---	1.5
19	---	(14.5)	4.6	3.1	2.8	2.3	.7	.6	.6	.3	---	2.7
20	---	(13.6)	4.6	3.1	2.8	2.1	.7	.6	.6	.3	---	1.6
21	---	(13.6)	3.1	3.1	2.8	1.8	.7	.6	.2	.3	---	2.7
22	---	6.4	3.1	3.1	2.6	1.6	.7	.6	.2	.3	---	2.3
23	---	4.6	3.1	3.1	6.6	1.6	.6	.5	.3	.3	---	(11.7)
24	---	5.7	9.2	2.8	6.0	1.6	.7	.5	.3	.3	---	5.5
25	---	5.7	4.1	2.8	4.1	1.5	.7	.5	.3	.3	---	(11.4)
26	---	4.6	3.7	2.8	2.6	1.5	.7	.6	.2	.3	---	4.1
27	---	4.6	3.7	2.7	2.6	1.5	.7	.6	.2	.5	---	3.1
28	---	4.6	3.4	3.1	2.3	1.5	.7	.5	.5	.5	---	3.1
29	---		3.4	3.1	2.3	1.4	.7	.5	.5	.5	---	3.1
30	---		3.1	3.0	2.7	1.3	.7	.5	.5	.5	---	5.9
31	---		4.5		2.1		.7	.5		.5	---	3.3
TOT	---	(148.0)	(140.3)	(105.9)	94.8	50.4	27.5	19.7	12.2	13.3	---	(71.0)
PROM	---	(5.7)	(4.5)	3.7	3.2	1.7	.9	.6	.5	.4	---	(3.2)
MAX	---	(44.7)	(16.5)	7.7	6.8	2.3	1.4	.8	.6	1.8	---	(39.8)
MIN	---	(1.9)	(2.8)	2.6	2.1	1.3	.6	.5	.2	.2	---	(.8)

ESTACION RIO LA QUEBRADA " CABITO "
Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	2.7	4.6	2.2	3.1	1.8	3.3	2.3	1.2	1.6	1.1	2.3	6.2
2	2.7	4.6	1.8	3.1	1.8	2.7	2.7	1.1	1.4	1.0	2.3	2.8
3	2.6	4.6	1.8	3.1	1.8	2.7	1.4	.9	1.4	1.2	2.3	2.8
4	3.0	3.3	1.8	3.1	1.8	2.7	1.4	1.0	1.4	1.2	5.5	2.5
5	1.9	3.4	1.8	3.1	1.8	3.5	2.1	1.1	1.5	1.2	4.6	2.3
6	3.0	3.3	4.6	1.8	1.8	3.0	2.1	1.2	1.6	1.2	4.6	2.5
7	2.5	3.1	3.1	1.8	1.8	3.1	2.3	2.1	1.5	1.2	2.3	2.1
8	1.8	3.4	1.8	1.8	1.8	2.6	3.0	1.8	1.4	1.0	2.2	2.1
9	2.1	4.0	1.8	1.8	1.8	2.1	2.1	1.9	1.5	1.0	2.1	2.1
10	1.8	3.9	1.8	1.8	1.8	2.7	2.5	2.1	1.5	1.0	2.1	2.2
11	1.5	5.3	1.8	1.8	1.8	2.7	2.7	1.9	1.6	2.8	2.1	2.1
12	.8	7.0	1.8	1.8	1.8	2.7	2.7	.9	1.4	2.1	2.1	1.9
13	.8	5.1	1.8	1.8	1.8	2.6	2.6	1.1	1.5	2.1	--	2.1
14	3.1	4.6	1.8	1.8	1.8	2.6	2.2	1.2	1.4	2.1	--	1.7
15	1.8	4.6	1.8	1.8	1.8	2.8	1.8	.9	1.4	1.9	2.1	1.7
16	4.1	4.6	1.8	2.1	1.8	2.7	2.2	1.0	1.4	2.1	--	1.7
17	4.3	7.9	1.8	1.8	1.8	2.5	1.4	1.5	1.5	2.1	3.4	1.9
18	2.7	4.1	1.8	1.8	1.8	2.8	1.3	1.3	1.5	1.6	2.7	1.9
19	1.8	3.4	1.8	1.8	1.8	2.6	1.4	1.5	1.4	1.6	2.6	3.9
20	4.1	3.1	1.8	1.8	1.8	2.3	1.5	1.5	1.8	1.7	2.5	4.5
21	8.3	3.1	1.8	1.8	5.1	2.6	1.6	1.4	1.5	1.8	7.0	5.7
22	4.8	3.1	7.9	1.8	8.5	2.6	1.6	1.4	1.6	1.6	7.5	4.5
23	4.1	3.1	1.8	1.8	3.7	3.5	1.6	1.5	1.4	1.5	3.5	3.9
24	3.4	3.1	1.8	1.8	4.3	2.1	1.7	1.4	1.5	1.8	3.1	3.5
25	5.5	3.1	1.8	1.8	3.3	2.6	1.7	1.0	1.4	1.9	2.6	3.3
26	12.0	6.4	1.8	1.8	3.3	3.4	1.8	1.0	1.5	1.9	2.8	3.3
27	7.5	1.8	1.8	1.8	3.4	4.3	1.6	1.0	1.4	1.9	2.7	3.1
28	7.0	1.9	1.8	1.8	3.9	1.9	1.8	1.1	1.2	1.9	2.6	2.6
29	6.6		2.7	1.8	3.7	.8	2.1	.7	1.0	1.9	2.5	2.6
30	4.8		3.1	1.8	3.4	1.8	2.1	1.5	1.1	2.1	2.2	2.5
31			3.1		3.9		1.4	1.5		3.1		2.5
TOT	(113.1)	(113.5)	69.9	60.8	82.5	80.3	60.7	40.7	43.3	52.6	(84.3)	88.5
PROM	(3.8)	(4.1)	2.3	2.0	2.7	2.7	2.0	1.3	1.4	1.7	(3.1)	2.9
MAX	(14.2)	(13.6)	8.5	3.1	8.5	4.6	3.1	2.2	5.0	3.7	(10.9)	10.9
MIN	(.8)	(1.8)	1.8	1.8	1.8	1.6	1.1	.2	1.0	1.0	(2.1)	1.7

ESTACION RIO LA TETA "LOMITAS"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	2.3	3.0	2.6	3.6	2.7	3.5	1.7	0.9	1.0	1.2	2.8	3.1
2	2.3	2.9	3.7	3.4	7.3	3.1	1.6	0.9	0.8	0.9	3.5	2.7
3	2.2	2.8	3.3	3.4	3.7	2.9	1.6	0.9	0.8	1.0	4.6	2.5
4	2.6	2.7	2.7	3.1	4.4	2.8	1.5	0.9	0.7	1.1	4.1	2.3
5	3.4	2.7	2.7	3.0	3.0	2.7	1.5	0.9	0.6	0.8	3.4	2.2
6	2.3	2.7	5.0	2.9	2.9	2.6	1.7	0.8	0.6	0.7	2.7	2.1
7	2.1	4.2	2.9	2.8	3.5	4.8	2.3	0.8	0.6	0.7	5.9	2.3
8	2.1	12.5	2.7	2.7	3.1	9.3	1.5	0.8	0.6	0.7	5.3	3.1
9	2.0	4.0	2.4	2.7	3.5	3.8	1.5	0.8	0.6	1.0	3.2	3.0
10	1.9	5.3	2.3	3.0	2.9	3.2	1.4	0.7	0.6	1.9	2.8	2.7
11	1.9	5.9	2.2	3.5	2.6	5.0	1.4	0.8	0.6	5.6	6.3	2.6
12	1.9	4.3	2.1	2.5	2.5	5.3	1.4	0.7	0.5	3.2	4.5	2.3
13	2.0	3.7	2.0	2.5	2.4	2.9	1.6	0.7	0.5	3.3	5.2	2.2
14	1.8	4.3	2.0	2.4	2.4	2.7	1.5	0.7	0.5	6.5	4.3	2.1
15	2.0	3.5	2.0	2.4	2.3	6.1	1.5	0.7	0.5	2.7	3.6	2.0
16	2.9	5.0	1.9	2.9	2.3	2.9	1.4	0.7	0.5	1.9	5.2	1.9
17	2.8	10.0	2.1	2.6	3.3	2.7	1.4	0.7	0.5	1.6	4.4	3.4
18	2.0	5.1	3.2	3.3	5.1	2.5	1.4	1.5	1.3	1.4	3.5	6.4
19	1.9	4.2	5.9	3.5	2.7	2.4	1.2	1.1	0.7	1.3	3.2	4.5
20	2.4	4.2	2.9	6.1	2.5	2.3	1.2	0.8	2.7	1.2	4.4	3.8
21	3.3	4.4	5.9	2.8	2.8	2.7	1.2	1.1	1.2	1.4	3.7	3.4
22	3.0	3.5	4.2	2.6	4.4	2.3	1.1	0.8	0.8	1.3	3.3	3.6
23	2.7	3.4	3.7	3.3	5.9	2.2	1.1	0.7	0.7	1.2	3.0	3.0
24	6.7	3.2	5.3	2.5	4.6	2.1	1.2	0.7	0.7	1.2	2.8	2.8
25	7.0	3.0	3.4	2.3	3.4	2.0	1.1	0.7	0.6	1.0	3.7	2.7
26	7.6	2.9	6.7	2.1	14.6	2.0	1.3	0.7	0.6	1.4	4.5	2.6
27	6.0	3.2	6.8	2.1	7.5	1.9	1.1	0.7	0.7	1.0	3.5	2.3
28	6.0	3.2	5.2	6.6	4.3	1.8	1.1	0.7	0.7	1.2	3.7	2.2
29	4.3	2.8	5.7	3.9	3.8	1.7	1.0	0.7	1.1	2.3	2.8	2.1
30	3.6		4.4	4.7	3.5	1.7	1.0	1.4	0.8	2.6	2.7	2.0
31	3.3		4.0		3.3		1.0	1.7		3.9		2.0
TOT	98.3	122.6	111.9	95.2	123.2	93.9	42.5	26.7	23.1	57.2	116.6	85.9
PROM	3.2	4.2	3.6	3.2	4.0	3.1	1.4	0.9	0.8	1.8	3.9	2.8
MAX	16.3	20.4	16.7	12.8	21.5	19.2		2.0	7.2	15.0	14.9	15.2
MIN	1.8	2.6	1.9	2.0	2.3	1.7		0.7	0.5	0.7	2.6	1.9

ESTACION RIO OVEJAS ABAJO

Caudales Promedios Diarios en m³/seg.

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	24.5	26.4	32.1	54.6	31.5	23.5	14.8	9.7	7.5	7.8	15.0	19.1
2	24.1	25.9	32.5	71.2	38.1	23.5	14.2	9.3	7.8	8.4	18.2	19.1
3	23.6	28.4	33.6	80.4	34.7	22.6	13.9	9.3	7.5	15.0	22.2	22.2
4	21.3	30.4	38.6	68.3	33.6	21.7	13.5	9.3	8.2	16.2	20.8	22.2
5	24.1	36.3	31.5	62.0	30.9	21.2	13.5	9.3	8.5	12.8	20.4	20.4
6	45.7	30.9	32.5	57.2	39.7	21.2	12.8	9.7	8.2	14.2	20.4	18.7
7	79.6	28.9	33.1	55.9	32.6	21.2	12.8	9.7	8.5	12.4	19.9	17.8
8	46.9	27.9	31.5	51.4	34.2	21.7	12.8	9.3	10.7	12.1	20.4	17.4
9	48.8	28.4	29.4	46.3	31.5	18.6	12.4	9.3	10.3	10.7	19.5	15.8
10	46.3	28.4	29.9	45.1	29.9	18.6	12.1	9.1	9.3	11.7	19.9	14.8
11	39.8	34.2	33.6	40.9	29.4	19.1	11.7	8.8	8.8	16.6	20.4	13.9
12	33.6	36.3	34.7	33.6	28.4	19.5	11.7	8.8	8.2	13.1	20.4	14.2
13	35.3	38.1	35.8	37.5	26.9	19.1	11.7	8.8	7.8	11.7	20.4	15.4
14	34.2	40.9	32.1	37.5	27.4	17.4	11.7	10.0	7.5	10.3	20.4	17.0
15	33.1	35.8	28.9	35.2	28.9	17.0	11.7	8.8	7.5	10.3	20.4	15.4
16	32.0	40.3	46.3	32.1	29.9	16.6	11.3	8.8	8.5	10.3	20.4	14.8
17	36.4	40.9	39.8	34.7	28.4	16.1	11.0	8.8	8.8	10.7	20.4	16.2
18	50.7	59.2	42.1	37.5	31.5	17.8	11.0	8.8	8.2	12.4	23.6	18.2
19	33.1	53.9	36.4	36.4	28.9	19.1	10.7	8.8	6.9	11.7	19.5	21.3
20	34.7	45.7	53.3	32.5	29.9	16.6	10.7	8.5	6.9	12.8	20.8	17.4
21	32.0	49.4	43.9	32.1	28.4	19.1	10.7	8.5	7.2	11.0	19.5	20.8
22	29.9	46.9	41.5	30.9	28.9	16.6	10.3	3.5	8.2	12.1	18.7	25.0
23	31.5	40.4	48.8	30.4	34.2	15.4	10.3	8.2	7.5	14.8	17.8	38.1
24	29.4	38.1	56.6	29.9	30.4	14.7	10.3	9.3	7.2	15.0	18.7	35.3
25	25.9	35.3	55.9	28.4	29.4	14.7	10.3	9.7	7.2	16.2	19.9	38.1
26	26.4	33.6	53.9	27.4	27.4	15.4	10.3	10.3	7.2	18.7	25.9	32.0
27	28.4	34.2	51.4	28.4	26.4	15.0	10.0	12.4	8.2	14.8	26.4	30.4
28	27.4	31.5	57.9	34.7	25.4	15.8	10.0	8.8	8.2	15.4	22.2	30.4
29	27.9		65.5	29.9	26.9	14.8	9.7	8.2	7.5	14.2	21.3	29.9
30	26.4		57.3	28.4	25.4	14.2	9.7	8.2	7.5	17.0	19.9	29.4
31	25.9		56.6		24.0		9.7	7.5		15.4		26.4
TOT.	1058.9	1026.6	1297.0	1250.8	933.1	547.8	357.3	282.5	241.5	405.8	613.7	687.1
PRO	34.2	36.7	41.8	41.7	30.1	18.3	11.5	9.1	8.1	13.1	20.5	22.2
MAX	98.9	104.9	144.5	106.6	67.6	31.5	15.4	17.4	11.3	26.9	32.0	106.6
MIN	20.8	24.5	27.9	25.9	24.1	14.2	9.7	7.5	6.1	6.5	14.2	13.9

ESTACION RIO OVEJAS "ABAJO"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	26.0	31.2	21.3	28.1	29.6	20.0	11.0	7.8	8.3	7.1	9.3	49.9
2	22.7	29.6	21.8	27.0	31.2	19.6	10.6	7.8	7.1	5.6	8.1	25.6
3	20.9	28.1	21.3	26.0	32.2	19.2	10.3	7.8	6.5	6.8	12.0	21.8
4	20.0	27.5	20.9	25.1	31.2	18.7	10.3	7.8	6.3	6.6	36.1	21.3
5	21.8	26.0	22.7	24.1	29.6	18.3	9.9	7.8	6.1	5.8	18.3	19.6
6	21.3	26.0	21.3	23.2	29.6	17.8	11.0	7.5	5.8	5.6	14.2	17.0
7	20.5	28.1	20.9	22.7	29.1	....	11.3	7.5	5.8	5.6	15.0	17.0
8	19.6	34.4	22.2	22.2	27.5	....	11.3	7.5	5.8	6.1	12.7	17.0
9	20.0	27.0	21.3	24.6	26.0	....	11.0	7.1	5.8	5.8	12.4	17.0
10	22.2	28.1	22.2	23.7	25.1	....	10.6	7.1	5.8	6.8	10.9	17.8
11	21.8	48.0	25.6	21.8	24.1	....	10.6	7.1	5.8	12.4	10.6	16.2
12	19.2	44.9	21.8	20.9	23.7	....	10.6	7.1	5.8	9.9	10.6	15.4
13	22.7	40.7	20.5	27.0	22.7	....	10.6	7.1	5.5	16.2	12.3	14.6
14	34.4	37.2	19.6	21.8	22.7	....	10.6	7.1	5.3	13.1	13.0	14.2
15	35.6	33.3	20.9	20.9	22.2	....	10.6	7.1	5.3	8.4	11.7	13.4
16	33.3	32.8	19.2	22.7	22.2	20.5	10.3	6.8	8.4	6.8	31.1	13.1
17	40.1	36.1	19.2	21.3	28.6	18.7	10.3	7.4	6.6	6.3	19.1	14.6
18	39.6	33.3	25.6	23.2	29.6	17.0	9.9	12.0	6.1	6.1	17.8	20.9
19	28.1	31.2	25.1	25.6	26.5	15.4	9.6	10.2	6.3	6.1	16.6	27.0
20	27.0	31.7	24.1	35.6	24.6	14.2	9.6	8.1	12.7	6.1	16.2	33.3
21	61.4	29.1	24.6	27.5	25.6	13.8	9.6	7.7	7.5	5.8	16.6	35.0
22	37.2	28.1	64.2	31.2	29.6	13.4	9.3	7.4	6.1	5.8	23.2	30.1
23	31.7	26.0	35.6	30.6	30.1	13.1	9.3	7.7	5.8	6.3	27.0	25.6
24	32.2	25.1	32.2	30.6	28.1	12.7	9.0	6.8	5.8	5.8	19.2	24.1
25	31.7	24.1	34.4	32.2	25.6	12.7	9.0	6.8	5.6	5.6	18.3	21.8
26	49.9	23.2	36.1	30.1	24.6	12.4	9.0	6.8	5.6	5.6	17.0	21.3
27	39.6	23.7	33.9	29.1	24.6	12.4	9.0	6.8	5.6	5.6	20.9	19.6
28	38.4	24.1	37.2	37.8	23.2	11.7	8.7	6.8	5.6	5.6	15.8	19.2
29	37.8	22.7	33.3	39.0	22.2	11.3	8.4	6.6	5.6	11.7	14.2	17.8
30	35.6		31.7	31.7	21.3	11.0	8.1	6.6	5.6	11.0	13.8	17.0
31	33.9		29.6		20.9		8.1	9.0		10.6		16.2
TOT	946.2	881.3	830.3	807.3	813.8	323.9	307.5	234.7	189.9	232.6	494.0	654.4
PROM	30.5	30.4	26.8	26.9	26.3	15.4	9.9	7.6	6.3	7.5	16.5	21.1
MAX	99.6	91.1	134.0	44.3	33.9	24.1	11.3	15.4	26.5	31.7	43.7	58.6
MIN	19.2	22.7	19.2	20.0	20.0	11.0	8.1	6.6	5.3	5.3	7.8	13.1

ESTACION RIO OVEJAS ABAJO

Caudales Promedios Mensuales y Anuales
en m³ / seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro Anual
1964	---	---	---	---	16.9	19.6	11.3	11.4	9.9	11.2	19.1	31.9	16.4
1965	21.7	14.3	12.3	18.7	21.6	12.4	(9.1)	7.3	7.3	13.2	26.6	34.5	16.6
1966	17.4	11.8	10.9	12.4	17.0	14.8	10.0	7.0	5.4	9.4	22.9	52.5	16.0
1967	20.1	19.4	24.0	19.4	19.8	17.9	10.4	7.0	5.8	8.3	21.9	16.7	15.9
1968	13.7	23.2	17.7	19.7	16.3	16.8	9.7	7.0	6.6	13.1	23.5	26.8	16.2
1969	16.8	19.1	14.9	35.2	35.4	18.5	10.1	7.1	6.0	16.6	29.2	25.6	19.5
1970	17.2	28.5	28.4	18.5	22.3	17.4	10.2	6.9	6.2	12.0	43.1	27.8	19.8
1971	34.2	36.7	41.8	41.7	30.1	18.3	11.5	9.1	8.1	13.1	20.5	22.2	23.9
1972	30.5	30.4	26.8	26.9	26.3	(15.4)	9.9	7.6	6.3	7.5	16.5	21.1	18.8

ESTACION RIO OVEJAS ABAJO

Caudales máximos y mínimos mensuales y anuales
en m³ /seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1964 Max	---	---	---	---	---	35.6	14.8	43.1	100.7	28.1	50.8	115.4	115.4
1964 Min	---	---	---	---	---	14.8	9.0	8.0	5.7	6.3	10.7	14.4	5.7
1965 Max	50.8	20.8	19.4	39.1	36.2	15.8	12.3	13.7	25.6	99.3	95.6	70.8	99.3
1965 Min	15.5	9.1	10.4	10.4	15.8	9.6	6.3	5.1	4.8	3.4	10.4	20.5	3.4
1966 Max	41.7	26.0	40.0	33.9	51.3	57.0	20.0	19.0	13.8	21.1	63.0	122.2	122.2
1966 Min	11.5	7.6	7.3	6.7	9.7	11.9	7.0	5.3	3.4	5.2	6.8	28.2	3.4
1967 Max	31.4	46.6	108.1	33.2	46.6	51.2	15.9	12.5	14.1	33.8	45.7	29.8	108.1
1967 Min	13.0	12.6	15.8	14.7	15.8	12.8	7.9	5.7	3.8	4.7	9.2	12.2	3.8
1968 Max	42.9	67.7	35.3	51.2	27.1	46.3	31.3	10.3	15.2	66.2	83.5	81.9	83.5
1968 Min	10.1	15.9	13.5	11.9	12.8	11.9	7.6	5.7	4.2	4.9	10.3	16.2	4.2
1969 Max	60.2	34.8	29.4	145.2	95.2	40.3	13.4	10.7	25.3	35.5	50.0	44.7	145.2
1969 Min	12.5	15.2	11.9	13.5	19.6	13.8	7.6	5.2	2.7	6.1	17.6	17.6	2.7
1970 Max	32.0	67.5	56.6	68.9	64.9	40.9	13.8	12.7	15.3	25.3	100.1	62.2	100.1
1970 Min	13.4	17.6	16.8	15.3	13.4	12.3	8.5	5.7	4.2	7.3	15.6	22.2	4.2
1971 Max	98.9	104.9	144.5	106.6	67.6	31.5	15.4	17.4	11.3	26.9	32.0	106.6	144.5
1971 Min	20.8	24.5	27.9	25.9	24.1	14.2	9.7	7.5	6.1	6.5	14.2	13.9	6.13
1972 Max	99.6	91.1	134.0	44.3	33.9	24.1	11.3	15.4	26.5	31.7	43.7	58.6	134.0
1972 Min	19.2	22.7	19.2	20.0	20.0	11.0	8.1	6.6	5.3	5.3	7.8	13.1	5.3

ESTACION RIO PALO "PUERTO TEJADA"

Caudales Promedios Diarios en m³ /s

AÑO CALENDARIO

1971

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	34.3	37.8	62.6	(211.4)	50.0	40.5	31.8	17.9	21.7	13.6	31.8	33.0
2	33.9	40.8	61.9	(242.9)	51.5	37.8	29.1	18.6	23.5	14.6	67.4	30.1
3	33.5	39.1	65.2	(197.4)	47.5	36.9	31.4	18.9	23.5	22.4	130.2	50.0
4	46.4	97.9	84.7	153.9	46.1	34.7	31.8	21.0	21.0	27.8	52.5	65.8
5	70.7	85.3	65.2	91.7	47.0	44.6	29.3	32.6	21.3	35.6	50.5	36.9
6	54.1	66.3	56.7	80.9	134.0	36.9	27.4	28.2	19.6	41.0	46.6	31.4
7	144.7	46.4	79.9	83.4	76.7	52.5	25.8	23.9	21.3	36.5	42.3	28.2
8	189.1	46.8	64.6	72.0	99.5	39.6	32.6	23.2	29.7	26.6	49.5	26.6
9	128.1	49.7	58.7	66.4	68.6	39.6	33.5	22.1	51.5	21.0	80.3	25.1
10	140.1	88.4	60.9	61.4	49.0	44.6	38.7	24.7	30.9	20.3	57.7	30.5
11	93.4	108.6	130.4	51.5	56.6	50.5	45.1	24.7	22.8	53.0	37.4	24.3
12	79.3	103.1	195.2	48.0	59.2	30.9	40.5	23.9	19.6	42.8	32.6	23.9
13	69.1	107.8	111.2	44.6	53.0	30.9	41.4	21.3	20.3	60.9	31.4	28.5
14	68.0	151.7	64.6	62.0	48.0	30.5	40.5	19.9	22.8	31.8	28.2	22.4
15	58.1	103.1	57.2	48.0	50.0	29.3	35.6	19.3	18.6	29.7	28.2	21.7
16	61.4	81.1	70.2	40.5	107.7	36.5	26.2	18.9	16.5	24.7	25.8	20.7
17	61.4	153.3	93.4	57.7	83.4	31.8	23.5	19.3	18.6	25.8	29.7	24.7
18	65.8	120.2	109.2	(163.0)	(180.2)	35.2	22.1	19.9	16.5	28.2	68.0	54.0
19	68.5	134.0	58.1	91.0	77.3	49.5	21.0	19.6	17.9	30.9	41.8	96.9
20	60.3	111.2	56.7	62.0	60.4	35.2	20.3	23.2	15.8	31.4	40.5	47.5
21	56.2	111.2	73.0	61.4	49.5	30.1	19.3	25.8	17.2	28.2	37.4	86.6
22	65.2	122.4	64.1	49.5	44.2	31.4	21.0	20.3	25.1	31.4	42.8	109.1
23	49.2	86.6	133.3	53.5	58.2	28.9	31.8	18.6	18.9	25.8	40.5	151.4
24	45.4	67.4	126.0	68.6	51.5	26.6	28.9	19.3	17.5	79.1	56.1	119.8
25	43.5	59.2	121.7	48.5	61.4	27.0	26.2	22.4	15.5	33.0	128.7	90.4
26	42.6	54.6	106.4	47.5	51.5	25.8	22.4	20.7	14.6	63.1	96.2	65.2
27	42.2	61.4	99.8	52.5	45.6	27.0	22.8	29.3	13.9	32.2	51.0	50.0
28	43.5	95.3	113.9	68.6	43.2	46.1	20.3	23.9	14.6	32.2	42.8	49.5
29	44.5		239.0	47.0	52.0	36.9	19.3	26.2	14.6	32.6	37.8	45.6
30	41.7		161.3	48.5	70.8	31.4	18.6	27.8	13.3	39.6	32.2	41.8
31	37.3		167.8		51.0		17.9	26.6		35.2		37.8
TOT	2071.5	2430.7	3013.9	(2475.3)	2024.6	1079.2	876.7	702.0	618.6	1051.0	1537.0	1569.4
PROM	66.8	86.8	97.2	(82.5)	65.3	36.0	28.3	22.6	20.6	33.9	51.3	50.6
MAX	228.4	183.9	254.9		189.1	74.9	55.6	36.5	61.4	120.5	150.6	165.5
MIN	32.7	36.0	49.2	38.7	41.4	25.1	17.9	17.9	13.3	13.3	24.7	20.7

ESTACION RIO PALO " PUERTO TEJADA"
Caudales Promedios Diarios en M³/s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	36.1	44.2	29.3	37.8	47.5	32.6	33.5	15.8	20.3	19.6	34.3	92.3
2	34.7	41.0	30.5	35.2	66.4	33.5	27.4	14.9	23.2	17.5	29.3	78.5
3	33.5	37.8	30.5	33.0	56.1	30.9	34.3	14.6	21.3	15.5	53.5	42.3
4	36.5	35.6	27.4	30.9	45.6	31.4	33.9	14.3	30.1	14.6	85.3	37.4
5	35.6	36.1	26.6	29.7	70.3	29.3	28.5	13.6	24.7	14.3	57.7	32.2
6	28.9	46.6	36.1	33.5	47.0	28.9	25.8	13.6	18.2	13.6	37.4	29.7
7	27.4	45.1	37.4	27.8	48.5	29.3	23.9	13.3	15.8	13.6	28.2	27.4
8	27.4	119.0	40.0	27.0	45.1	29.3	27.4	13.0	15.5	12.7	28.2	29.3
9	27.8	66.9	28.9	28.2	43.2	29.7	26.6	12.7	16.5	12.7	29.7	37.4
10	26.2	(158.8)	59.2	48.5	38.3	30.1	23.9	13.9	15.8	13.9	24.7	36.9
11	28.2	(197.4)	147.4	70.3	39.2	33.9	29.3	21.0	15.8	24.3	23.9	31.8
12	26.2	(193.7)	48.0	39.6	39.2	38.7	41.4	15.2	15.8	19.6	24.3	30.1
13	26.6	(192.8)	37.4	68.0	38.3	34.7	33.9	14.9	15.8	36.9	34.7	27.8
14	24.7	100.2	33.0	55.1	35.2	34.3	24.7	15.2	14.3	38.3	36.9	25.4
15	50.0	70.8	37.4	39.2	40.0	46.6	22.8	18.9	14.9	25.1	26.2	23.9
16	103.6	62.0	30.9	36.9	39.2	33.9	31.8	17.9	30.1	19.9	131.0	23.2
17	124.2	61.4	30.9	41.0	46.6	29.3	24.7	18.9	23.9	17.5	79.7	24.3
18	65.8	52.0	29.3	49.5	50.5	27.8	24.7	36.5	19.6	15.5	52.5	31.4
19	52.5	46.6	45.1	47.0	40.0	26.6	26.6	28.9	18.9	15.2	37.4	45.1
20	48.5	43.7	34.7	106.3	44.2	28.2	23.2	23.5	38.3	14.9	37.4	51.5
21	62.0	43.2	35.6	57.7	51.5	26.2	22.4	22.1	28.9	17.9	39.2	45.6
22	73.2	50.5	173.3	76.1	99.5	25.8	21.0	21.3	20.7	19.3	90.4	51.5
23	51.0	40.5	109.1	119.0	58.2	26.2	19.9	19.3	18.9	14.9	88.5	34.7
24	62.0	35.6	58.2	73.2	59.8	28.2	21.7	17.9	17.9	14.6	57.2	29.3
25	68.0	34.3	44.2	60.9	50.5	(28.9)	21.3	16.5	16.9	13.9	46.6	27.0
26	124.2	33.5	44.6	55.6	52.0	31.4	21.7	17.2	16.5	13.6	40.5	26.2
27	95.6	31.4	21.3	49.5	62.5	(29.3)	28.5	16.9	18.9	13.6	36.1	24.3
28	117.6	33.5	38.7	97.6	39.6	26.6	22.1	15.8	18.6	13.9	35.6	22.8
29	80.3	30.1	45.1	93.0	39.6	23.5	20.3	17.2	17.5	16.9	31.4	22.1
30	55.6		52.5	64.2	39.2	50.5	19.3	21.3	16.2	18.2	28.2	21.0
31	48.0		43.2		34.3		16.9	27.4		74.9		20.7
TOT	1701.9	(1984.3)	1485.8	1631.3	1507.1	935.6	803.4	563.5	599.8	606.9	1386.0	1083.1
PROM	54.9	(68.4)	47.9	54.4	48.6	31.2	25.9	18.1	20.0	19.6	46.2	34.9
MAX	178.5	250.0	228.9	178.5	156.4	77.3	77.3	60.9	48.5	83.4	163.9	168.9
MIN	24.7	33.9	26.6	26.2	33.5	23.2	16.5	14.9	13.0	12.7	22.8	20.7

ESTACION RIO PALO PUERTO TEJADA

Caudales Promedios Mensuales y anuales

en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Promed. Anual
1966	21.6	17.8	27.3	23.5	36.7	29.2	25.8	21.0	14.7	26.4	63.2	107.3	34.5
1967	34.4	41.5	54.0	43.3	45.5	45.4	33.7	25.4	17.4				(37.8)
1968								18.6	19.0	36.5	51.6	58.1	
1969	29.3	21.2	13.9	44.7	44.2	34.3	22.4	16.1	12.3	53.8	55.7	31.3	31.6
1970	24.6	35.0	46.2	34.1	49.9	38.7	22.9	22.9	24.9	61.2	106.9	51.1	43.2
1971	66.8	86.8	97.2	(82.5)	65.3	36.0	28.3	22.6	20.6	33.9	51.3	50.6	53.5
1972	54.9	(68.4)	47.9	54.4	48.6	31.2	25.9	18.1	20.0	19.6	46.2	34.9	39.2

ESTACION RIO PALO PUERTO TEJADA

Caudales Maximos y Mínimos Mensuales y Anuales

en m³/seg

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1966 Max	60.4	87.2	123.7	70.8	87.2	60.4	48.4	55.4	32.8	53.1	203.2	262.1	262.1
Min	13.4	10.0	9.3	11.7	15.9	17.0	17.0	12.7	8.3	13.4	14.5	54.0	8.3
1967 Max	81.6	87.2	219.3	117.2	104.8	172.4	55.4	60.4	46.0				219.3
Min	20.8	24.7	22.8	28.6	30.7	23.1	24.7	13.4	11.0				11.0
1968 Max								41.7	52.1	(164.5)	155.6	205.1	
Min								9.6	12.5	11.0	20.4	27.5	
1969 Max	62.5	35.6	21.9	156.4	143.9	119.3	57.7	22.6	68.5	189.9	...	52.0	189.9
Min	21.2	15.4	10.1	13.8	23.3	20.8	13.8	12.5	7.3	16.3	27.3	20.0	7.3
1970 Max	75.3	109.2	282.0	87.8	223.0	87.2	34.7	47.8	122.4	166.2	280.6	117.4	282.0
Min	17.4	19.1	22.9	20.4	25.2	22.9	17.7	15.7	14.7	22.6	59.8	34.7	14.7
1971 Max	228.4	183.9	254.9		189.1	74.9	55.6	36.5	61.4	120.5	150.6	165.5	254.9
Min	32.7	36.0	49.2	38.7	41.4	25.1	17.9	17.9	13.3	13.3	24.7	20.7	13.3
1972 Max	178.5	250.0	(228.9)	178.5	156.4	77.3	77.3	60.9	48.5	83.4	163.9	168.9	250.0
Min	24.7	33.9	26.6	26.2	33.5	23.2	16.5	14.9	13.0	12.7	22.8	20.7	12.7

ESTACION RIO QUILICHAO "PISCINA MUNICIPAL"

Caudales Promedios Diarios en m³ /s

AÑO CALENDARIO

1,971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1		0.0	1.0	1.3	0.6	0.6	0.4	0.2	0.1	0.1	0.2	0.6
2		0.0	0.9	1.5	1.0	0.6	0.4	0.2	0.1	0.1	0.4	1.1
3		0.6	2.3	1.7	0.7	0.5	0.4	0.2	0.1	0.1	0.4	1.7
4		0.7	1.2	1.2	0.9	0.5	0.3	0.2	0.1	0.2	0.3	1.0
5		0.7	0.8	1.2	1.0	0.6	0.4	0.4	0.2	0.1	0.3	0.8
6		0.6	0.5	1.1	0.8	0.5	0.3	0.2	0.1	0.1	0.4	0.8
7		0.5	0.8	1.7	0.8	0.5	0.3	0.2	0.1	0.5	0.3	0.4
8		0.7	0.8	1.1	1.5	0.4	0.3	0.3	0.3	0.1	0.3	0.7
9		0.5	0.7	0.8	0.9	0.5	0.3	0.2	0.2	0.2	0.4	0.7
10		0.6	0.7	1.0	0.8	0.5	0.3	0.2	0.2	0.2	0.3	0.8
11		0.7	1.1	0.9	1.0	0.5	0.3	0.2	0.2	0.3	0.3	0.5
12		1.0	1.2	0.8	0.8	0.5	0.3	0.2	0.2	0.2	0.3	0.5
13		1.1	1.7	0.8	0.7	0.5	0.3	0.2	0.2	0.2	0.3	0.5
14		1.3	1.1	0.8	1.0	0.5	0.3	0.2	0.2	0.2	0.7	0.5
15		1.6	1.0	0.8	0.8	0.5	0.3	0.2	0.2	0.3	0.3	0.5
16		1.5	1.4	0.8	0.7	0.5	0.3	0.2	0.2	0.2	0.3	0.4
17		3.5	1.2	1.0	0.7	0.4	0.3	0.2	0.3	0.3	0.4	0.4
18		4.2	1.0	1.0	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7
19		3.6	1.1	1.1	0.7	0.7	0.2	0.2	0.2	0.3	0.5	0.6
20		2.3	1.8	0.9	1.3	0.5	0.2	0.2	0.1	0.2	0.5	0.6
21		2.0	1.4	0.8	0.8	0.4	0.2	0.2	0.1	0.2	0.5	0.3
22		1.9	1.1	0.8	0.7	0.4	0.2	0.2	0.1	0.3	0.4	0.7
23		1.6	1.3	0.8	1.1	0.4	0.2	0.2	0.1	0.3	0.5	1.1
24		1.8	1.4	0.7	0.8	0.5	0.2	0.4	0.1	0.3	0.5	0.9
25		1.7	1.2	0.6	0.7	0.4	0.2	0.2	0.1	0.5	0.6	1.9
26		0.6	0.9	0.7	0.7	0.4	0.2	0.2	0.1	0.3	1.0	1.3
27		0.8	1.1	1.0	0.6	0.4	0.2	0.2	0.1	0.3	0.9	1.1
28		1.1	1.1	0.9	0.8	0.5	0.2	0.2	0.1	0.2	0.8	1.0
29			2.0	0.8	0.6	0.5	0.2	0.2	0.2	0.2	0.7	1.0
30			1.2	0.7	0.7	0.4	0.2	0.1	0.1	0.2	0.7	1.8
31			1.0		0.8		0.2	0.1				0.9
TOT	(37.2)	36.0	29.3	25.7	14.5	8.3	6.5	4.6	6.9	13.9	25.8	
PROM	(1.4)	1.2	1.0	0.8	0.5	0.3	0.2	0.2	0.2	0.5	0.8	
MAX	5.8	3.2	4.4	2.1	0.7	0.4	0.5	0.4	0.8	2.5	2.1	
MIN	0.3	0.5	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.2	0.3	

ESTACION RIO QUILICHAO "PISCINA MUNICIPAL"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	0.9	1.1	1.0	0.8	0.4	0.6	0.2	0.1	0.1	0.3	0.6	1.7
2	0.8	1.1	1.1	0.7	1.1	0.6	0.2	0.1	0.1	0.1	0.7	0.6
3	0.9	1.0	0.7	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.5	0.7
4	0.8	1.2	0.6	0.7	0.5	0.5	0.5	0.1	0.1	0.1	1.0	0.7
5	1.0	1.1	0.6	0.7	0.5	0.5	0.2	0.1	0.1	0.1	0.7	0.7
6	0.8	1.0	0.6	0.7	1.8	0.5	0.3	0.1	0.1	0.1	0.7	0.6
7	0.8	0.9	1.7	0.6	0.7	0.6	0.3	0.1	0.1	0.1	0.6	0.6
8	0.7	0.9	0.8	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.6	0.3
9	0.7	1.0	0.7	0.6	0.6	0.5	0.2	0.1	0.1	0.1	0.5	0.4
10	0.7	1.0	0.7	0.6	0.5	0.5	0.2	0.1	0.1	0.1	0.6	0.5
11	0.6	1.3	0.8	0.6	0.5	0.5	0.2	0.1	0.1	1.0	1.0	0.6
12	0.6	1.4	0.7	0.6	0.4	0.4	0.2	0.1	0.1	0.1	0.6	0.6
13	0.6	1.3	0.7	0.8	0.4	0.4	0.2	0.1	0.1	0.1	1.1	0.6
14	0.8	1.5	0.6	0.6	0.4	0.5	0.2	0.1	0.1	0.4	0.6	0.7
15	0.9	1.1	0.7	0.6	0.4	0.7	0.2	0.1	0.1	0.5	0.5	0.7
16	1.1	1.1	0.6	0.6	1.3	0.6	0.2	0.1	0.1	0.3	1.5	0.6
17	1.0	1.8	0.6	0.5	1.0	0.5	0.2	0.2	0.1	0.2	0.9	0.6
18	1.0	1.0	0.6	0.5	1.1	0.4	0.2	1.3	0.1	0.2	0.7	2.1
19	1.0	1.0	0.7	0.5	0.9	0.4	0.2	0.6	0.1	0.2	1.3	1.4
20	1.0	1.0	0.6	0.7	0.8	0.4	0.2	0.2	0.6	0.3	0.7	1.3
21	2.7	1.0	0.6	0.6	0.8	0.4	0.2	0.2	0.5	0.3	0.5	1.3
22	1.5	0.9	1.9	0.5	1.5	0.4	0.2	0.2	0.2	0.4	0.3	1.3
23	1.5	0.4	1.1	0.5	1.0	0.3	0.2	0.2	0.2	0.3	2.0	1.0
24	0.7	0.4	1.7	0.5	0.9	0.3	0.2	0.1	0.2	0.3	1.0	1.0
25	1.6	0.8	1.0	0.5	0.9	0.8	0.2	0.1	0.2	0.3	0.8	0.7
26	2.0	0.7	1.1	0.5	0.8	0.8	0.1	0.1	0.1	0.2	0.9	0.8
27	2.0	0.7	1.2	0.5	0.8	0.5	0.1	0.1	0.1	0.2	1.0	0.8
28	2.9	0.6	1.2	0.8	0.7	0.4	0.1	0.1	0.1	0.3	0.7	0.8
29	1.8	0.6	1.1	1.0	0.7	0.3	0.1	0.1	0.1	0.4	0.7	0.7
30	1.3		1.0	0.5	0.7	0.3	0.1	0.1	0.1	0.6	0.6	0.7
31	1.3		1.0		0.6		0.1	0.1		0.9		0.7
TOT	36.0	28.9	28.0	18.6	23.9	14.7	6.4	5.3	4.3	8.7	23.9	25.8
PROM	1.2	1.0	0.9	0.6	0.8	0.5	0.2	0.2	0.1	0.3	0.8	0.8
MAX	4.1	2.1	2.6	1.1	1.3	0.8	0.5	1.3	0.7	1.2	4.4	2.6
MIN	0.6	0.4	0.6	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3

ESTACION RIO QUILICHAO

Caudales Promedios Mensuales y anuales en M³/s

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro. anual
1947				0.2	0.2	0.2	0.3	0.2	0.2	0.7	1.5		
1948									0.1	0.5	0.4		
1949	0.5	0.9	0.8	0.6	0.5	0.3	0.1	0.1	0.1	0.9	1.1	0.6	0.5
1950	0.8	2.0	2.0	2.2	1.9	0.7	0.4	0.3	0.1	0.3	1.4	0.8	1.1
1951	1.1	1.0	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.4	1.3	0.7	0.5
1952	0.7	1.0	0.4	1.0	0.8	0.5	0.3	0.2	0.2	0.3	0.8	0.6	0.6
1953	0.5	0.6	0.4	0.8	0.7	0.4	0.3	0.2	0.2	0.6	1.3	1.4	0.6
1954	0.5	0.6	0.5	0.6	0.9	0.4	0.2	0.1	0.1	0.4	0.8	1.4	0.5
1955	1.3	0.5	1.0	0.8	0.6	0.6	0.5	0.2	0.2	0.9	1.5	1.4	0.8
1956	1.5	0.8	0.9	0.8	0.7	0.5	0.2	0.1	0.1	0.6	0.4	0.7	0.6
1957	0.5	0.4	0.7	1.3	1.0	0.6	0.2	0.1	0.1	0.1	0.2	0.3	0.5
1958	0.2	0.2	0.2	0.2	0.2	0.2	0.1						(0.2)
1965								0.1	0.2	0.9	1.6	1.1	
1966											0.9	1.9	
1967	0.5	0.6	0.8	0.5	0.6	0.7	0.3	0.1	0.1	0.5	0.7	0.7	0.5
1968	0.0	0.9	0.6	0.6	0.4								
1969													
1970													
1971		(1.4)	1.2	1.0	0.8	0.5	0.3	0.2	0.2	0.2	0.5	0.8	0.6
1972	1.2	1.0	0.9	0.6	0.8	0.5	0.2	0.2	0.2	0.3	0.8	0.8	0.6

ESTACION RIO QUILICHAO

Caudales Máximos y mínimos mensuales y anuales en m³/s

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1965 Max								0.1	2.8	13.0	3.6	4.1	
Min								0.1	0.1	0.1	1.0	0.6	
1966 Max	0.6	0.4	4.1	10.1	8.3	13.0	0.8				9.5	13.0	(13.0)
Min	0.2	0.1	0.2	0.1	0.2	0.4	0.3				0.5	0.8	(0.1)
1967 Max	1.0	6.7	2.3	2.8	13.0	13.0	1.5	0.5	0.2	2.8	1.6	1.2	13.0
Min	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.2	0.4	0.5	0.1
1968 Max	13.0	2.8	13.0	0.9	0.6								
Min	0.4	0.6	0.5	0.5	0.3								
1969 Max													
Min													
1970 Max													
Min													
1971 Max		5.8	3.2	4.4	2.1	0.7	0.4	0.5	0.4	0.8	2.5	2.1	5.8
Min		0.3	0.5	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.2	0.3	0.1
1972 Max	4.1	2.1	2.6	1.1	1.3	0.8	0.5	1.3	0.7	1.2	4.4	2.6	4.4
Min	0.6	0.4	0.6	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.1

ESTACION RIO QUINAMAYO PTE.FERROCARRIL

Caudales Promedios Diarios en m³ / seg.-

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	2.8	3.8	14.4	8.4	3.6	2.9	3.9	1.5	1.3	1.4	3.2	5.0
2	2.7	3.6	6.2	9.9	6.4	2.7	2.7	1.5	1.2	1.3	3.5	7.6
3	2.7	4.1	5.5	8.1	6.2	2.7	2.6	1.5	1.1	3.1	3.5	6.9
4	4.8	4.6	15.4	8.1	8.6	2.6	2.4	2.0	1.2	2.2	3.1	6.1
5	3.1	3.9	6.9	7.4	4.6	2.6	2.3	2.3	1.3	1.7	3.2	5.4
6	18.3	5.5	5.7	6.2	7.6	2.6	2.3	2.2	1.3	1.5	4.5	5.2
7	43.1	4.3	5.7	7.9	5.9	2.6	2.2	2.0	4.8	4.5	4.5	5.0
8	15.1	2.9	7.1	8.4	6.9	2.6	2.2	1.7	3.8	2.2	3.8	4.8
9	11.1	2.8	8.6	6.4	4.8	2.3	2.1	1.5	5.4	2.1	6.3	5.4
10	8.4	2.8	4.8	5.9	4.4	2.6	2.1	1.5	2.5	7.9	4.7	4.5
11	7.4	3.4	4.6	5.5	4.4	2.8	1.9	1.5	2.2	20.5	4.0	4.3
12	7.4	3.6	5.9	4.6	4.1	6.6	1.9	1.4	2.1	8.4	3.6	4.2
13	6.2	16.1	7.9	4.3	3.9	4.1	1.9	1.4	2.0	6.1	3.3	4.0
14	5.0	35.5	5.9	4.3	5.0	2.9	1.8	1.4	1.9	4.3	3.5	3.8
15	5.3	14.4	6.4	4.3	4.6	3.2	1.8	1.4	1.8	4.0	4.0	3.6
16	8.6	10.2	8.1	3.9	4.4	2.6	1.7	1.4	2.0	3.3	6.9	5.0
17	5.9	24.7	8.1	5.3	3.8	2.6	1.6	1.4	2.0	3.2	6.5	9.2
18	7.9	22.4	13.7	6.9	5.9	13.4	1.6	1.4	2.0	3.1	6.1	9.5
19	5.9	20.2	9.4	5.7	3.8	9.4	1.6	1.4	1.8	2.9	4.7	5.6
20	6.2	12.4	11.5	4.4	3.6	4.4	1.5	1.5	1.7	2.8	5.0	4.5
21	5.5	12.4	12.1	4.3	3.4	4.4	1.5	1.5	2.0	2.8	4.3	5.4
22	4.8	18.0	11.8	4.1	5.0	3.9	1.5	1.3	1.7	2.9	4.0	9.0
23	4.4	11.1	9.6	3.9	9.6	3.2	1.5	1.3	1.5	2.5	3.8	18.8
24	4.3	8.9	13.7	4.3	4.8	3.1	1.5	1.9	1.5	3.2	4.2	10.6
25	3.9	8.1	8.9	3.9	5.3	2.7	1.5	1.5	1.5	3.3	4.2	19.7
26	3.8	6.9	8.9	3.8	3.9	5.3	1.5	1.8	1.5	2.8	13.4	9.5
27	4.3	6.2	9.1	7.1	3.6	3.1	1.5	2.0	1.5	2.5	6.9	8.2
28	3.9	5.9	10.8	7.4	3.4	3.2	1.5	1.5	1.5	3.3	7.9	7.4
29	4.4		9.4	3.8	3.6	2.8	1.5	1.4	1.4	7.2	6.5	8.7
30	4.3		8.9	3.4	4.4	2.6	1.4	1.4	1.3	3.6	5.4	8.4
31	3.9		10.2		3.6		1.4	1.3		3.3		6.5
TOT	225.4	278.7	275.2	171.9	153.1	112.5	58.4	48.8	58.8	123.9	148.5	221.8
PRO	7.3	10.0	8.9	5.7	4.9	3.8	1.9	1.6	2.0	4.0	4.9	7.2
MAX	59.0	56.0	43.9	22.0	34.8	118.0	9.8	8.3	69.9	80.0	39.5	110.0
MIN	2.7	2.8	4.6	3.8	3.1	2.3	1.4	1.3	1.1	1.2	1.4	4.5

ESTACION RIO QUINAMAYO "PTE FERROCARIL"

Cuadales Promedios Diarios en m³ /s

AÑO CALENDARIO

1,972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	6.1	7.2	3.3	4.8	2.7	4.0	2.1	1.1	1.2	3.3	4.2	6.5
2	5.4	6.5	6.1	4.5	5.0	3.2	2.0	1.1	1.1	1.1	4.8	4.5
3	5.6	6.1	4.0	4.3	3.8	3.1	1.9	1.1	1.1	1.3	3.6	4.2
4	14.2	5.8	3.5	4.0	2.9	2.9	1.9	1.1	1.1	1.2	7.4	4.0
5	9.0	5.4	4.0	3.8	2.7	2.9	2.0	1.0	1.0	1.0	4.5	3.6
6	6.5	5.2	4.7	3.5	3.1	2.8	2.3	1.0	1.0	1.0	3.6	3.3
7	6.1	6.5	4.0	3.3	3.3	5.2	2.0	1.0	1.0	1.0	5.0	3.5
8	5.6	7.4	7.4	3.2	3.6	5.8	1.9	1.0	1.0	0.9	4.2	4.0
9	5.4	5.8	4.2	2.9	3.1	3.1	1.9	1.0	1.0	1.1	3.2	3.5
10	5.2	7.4	4.2	4.2	2.8	3.2	1.8	1.0	1.0	1.6	2.9	3.3
11	5.0	11.5	4.2	3.6	2.7	5.2	1.8	1.0	0.9	5.4	4.8	3.2
12	5.0	10.9	3.3	3.1	2.4	4.0	1.8	1.0	0.9	2.0	3.2	2.9
13	4.7	7.2	3.2	3.3	2.4	3.1	1.8	1.0	0.8	2.3	6.1	2.8
14	5.0	7.6	3.1	3.1	2.4	2.8	1.7	1.0	0.8	3.8	4.3	2.7
15	7.6	6.1	3.8	2.8	2.5	8.4	1.7	1.0	0.8	2.0	4.5	2.5
16	15.0	6.7	3.1	2.8	2.4	3.5	1.6	1.0	1.0	1.7	12.4	2.7
17	8.7	10.0	3.6	2.7	12.1	3.2	1.6	1.0	1.0	1.5	11.8	3.3
18	7.4	6.1	4.2	2.7	5.4	2.9	1.5	1.9	0.9	1.4	5.4	3.5
19	7.2	6.1	8.7	7.9	4.5	2.8	1.5	1.2	0.9	1.5	4.5	4.0
20	13.4	5.8	4.2	6.3	4.0	2.8	1.5	1.1	2.1	1.3	5.2	5.8
21	34.0	4.8	5.6	3.5	4.2	2.9	1.5	1.2	1.2	2.1	4.5	9.5
22	16.2	4.7	10.6	3.2	10.9	2.7	1.4	1.1	1.0	1.9	5.0	7.6
23	15.8	4.5	6.3	3.1	7.4	2.5	1.4	1.0	1.0	1.6	5.6	5.6
24	11.8	4.2	5.2	2.9	5.4	2.4	1.5	1.0	0.9	1.4	4.2	4.8
25	13.8	4.0	5.2	2.9	4.5	2.5	1.4	1.0	0.9	1.3	6.5	4.3
26	28.0	3.8	9.0	2.5	7.2	2.4	1.3	1.0	0.9	1.2	6.1	3.8
27	12.0	4.2	8.2	2.5	4.7	2.3	1.3	1.0	0.9	1.1	5.0	3.6
28	14.2	3.8	15.0	3.8	4.2	2.3	1.3	1.0	0.9	1.6	4.8	3.6
29	10.3	3.6	7.6	2.9	3.8	2.2	1.2	1.0	1.1	7.6	4.3	3.3
30	8.7		6.1	3.5	3.6	2.1	1.2	2.2	0.9	5.6	4.3	3.2
31	7.6		5.2		4.2		1.1	1.7		6.1		3.1
TOT	320.4	178.9	170.8	107.6	133.9	99.2	50.9	34.8	30.3	67.9	155.9	126.2
PROM	10.3	6.2	5.5	3.6	4.3	3.3	1.6	1.1	1.0	2.2	5.2	4.1
MAX	92.9	28.7	69.0	61.5	77.3	39.0	3.6	4.8	2.9	25.7	25.3	35.0
MIN	4.5	3.5	3.1	2.5	2.4	2.1	1.3	1.0	0.8	1.0	2.9	2.5

ESTACION RIO QUINAMAYO PUENTE FERROCARIL

Caudales Promedios Mensuales y Anuales

en M³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Pro. Anual
1970	2.6	4.5	5.3	4.2	4.2	5.0	1.8	1.0	.8	3.4	14.6	5.0	4.4
1971	7.3	10.0	8.9	5.7	4.9	3.8	1.9	1.6	2.0	4.0	4.9	7.2	5.2
1972	10.3	6.2	5.5	3.6	4.3	3.3	1.6	1.1	1.0	2.2	5.2	4.1	3.7

ESTACION RIO QUINAMAYO PUENTE FERROCARIL

Caudales máximos y mínimos mensuales y anuales

en M³ /seg

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1970	Max	14.8	17.4	18.9	15.7	15.7	18.0	2.7	2.3	2.9	17.4	94.5	9.7	94.5
	Min	1.3	1.3	2.4	2.4	2.4	2.7	1.3	.8	.7	.9	5.3	2.9	.7
1971	Max	59.0	56.0	43.9	22.0	34.8	118.0	9.8	8.3	69.9	80.0	39.5	110.0	118.0
	Min	2.7	2.8	4.6	3.8	3.1	2.3	1.4	1.3	1.1	1.2	1.4	4.5	1.1
1972	Max	134.0	35.4	92.0	77.0	105.9	54.6	3.6	4.8	2.9	30.5	29.9	47.4	134.0
	Min	4.5	3.5	3.1	2.5	2.4	2.1	1.3	1.0	0.8	1.0	2.9	2.5	.8

ESTACION RIO TIMBA "TIMBA"

Caudales Promedios Diarios en m³/seg

AÑO CALENDARIO

1971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	10.7	10.7	10.7	22.5	24.3	25.2	22.5	7.8	13.5	15.3	37.6	31.2
2	10.7	10.7	9.7	29.2	31.2	21.6	17.9	7.4	12.3	22.5	53.1	27.2
3	11.7	10.7	9.7	22.5	19.8	18.8	20.7	7.8	12.9	23.4	64.1	27.2
4	14.1	12.9	15.3	20.7	23.4	15.3	16.4	14.7	14.1	20.7	53.1	29.2
5	28.2	10.3	12.3	17.9	21.6	23.4	14.7	23.4	13.5	23.4	40.6	25.2
6	28.2	11.7	10.3	16.4	28.2	20.7	18.8	11.2	12.3	21.6	43.6	22.5
7	39.1	10.7	9.5	15.8	21.6	17.9	14.7	9.9	---	40.6	70.1	20.7
8	27.2	9.9	15.8	14.7	19.8	20.7	14.1	9.9	13.5	30.2	54.8	21.6
9	27.2	10.3	13.5	13.5	25.2	17.9	14.7	9.9	26.2	27.2	55.8	20.7
10	32.1	11.2	11.2	16.4	25.2	20.7	13.5	9.1	20.7	34.1	49.6	19.8
11	23.4	9.9	10.3	13.5	20.7	17.9	12.3	8.7	15.8	49.6	45.1	18.8
12	27.2	9.5	9.9	12.9	37.6	18.8	11.7	8.7	14.7	45.1	43.6	19.8
13	22.5	9.5	16.4	13.5	39.1	17.0	12.9	8.2	14.1	56.2	37.6	21.6
14	22.5	9.1	11.7	14.7	29.2	17.9	12.9	8.7	12.9	53.1	36.1	18.8
15	23.4	10.3	17.9	13.5	34.1	17.0	14.1	8.2	12.3	42.1	32.1	21.6
16	56.9	11.2	13.5	12.3	87.0	15.8	11.2	8.2	20.7	42.1	30.2	19.8
17	45.1	11.2	14.7	11.2	28.2	14.7	10.3	8.2	15.8	53.1	32.1	19.8
18	20.7	12.9	20.7	14.1	49.6	29.2	9.9	7.8	14.7	54.3	39.1	19.8
19	20.7	12.3	17.9	16.4	34.1	31.2	9.9	8.7	13.5	56.2	28.2	19.8
20	23.4	17.0	32.1	15.3	105.2	21.6	9.5	31.2	14.7	54.3	28.2	18.8
21	21.6	14.1	28.2	14.1	99.3	18.8	9.9	14.1	17.0	48.1	27.2	23.4
22	17.9	27.2	42.1	13.5	53.1	15.8	9.9	9.9	15.8	45.1	26.2	19.8
23	15.8	18.8	36.1	13.5	55.1	15.3	9.5	9.9	16.4	43.6	24.3	25.2
24	14.1	15.3	39.1	23.4	37.6	35.1	9.1	---	16.4	39.1	24.3	20.7
25	13.5	12.9	36.1	17.9	84.2	17.0	9.1	14.1	14.1	35.1	27.2	21.6
26	13.5	11.2	32.1	14.7	54.3	15.8	9.9	25.2	15.8	31.2	28.2	20.7
27	15.3	10.7	27.2	54.1	36.1	21.6	14.1	23.4	14.7	33.1	22.5	23.4
28	14.1	10.3	37.6	31.2	31.2	33.1	10.3	18.8	14.7	36.1	32.1	23.4
29	15.3		32.1	23.4	34.1	22.5	9.1	15.8	14.1	53.1	32.1	32.1
30	13.5		34.1	19.8	34.1	20.7	8.2	14.1	16.4	42.1	25.2	19.8
31	11.7		26.2		30.2		8.2	12.9		40.6		17.0
TOT	681.3	342.5	654.0	552.6	1254.4	619.0	390.0(375.9)	443.6)	1221.3	1144.0	691.0	
PRO	22.0	12.2	21.1	18.4	40.5	20.6	12.6(12.5)	15.2	39.1	38.1	22.3	
MAX	102.1	37.6	56.2	99.3	130.2	64.1	26.2	55.9	55.9	115.3	130.4	90.5
MIN	10.3	8.7	9.1	10.7	17.9	14.1	8.2	7.4	12.3	14.1	20.7	18.8

ESTACION RIO TIMBA "TIMBA CAUCA"

Caudales Promedios Diarios en m³ / s

AÑO CALENDARIO

1.972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	17.0	22.5	13.5	17.9	15.3	23.3	14.7	1.8	7.3	9.6	13.4	29.6
2	17.0	20.7	16.4	16.4	41.0	34.2	14.0	1.8	6.3	5.7	13.4	25.4
3	19.8	18.8	17.0	15.3	27.1	28.8	14.0	1.8	5.7	5.7	5.7	19.8
4	20.7	17.9	14.7	14.1	35.2	27.1	12.8	1.8	5.2	5.7	14.0	19.1
5	17.9	19.8	16.4	14.7	59.4	25.4	12.8	1.8	5.2	5.2	13.4	18.3
6	15.8	33.1	15.8	20.7	49.6	23.7	12.1	1.8	4.1	6.3	11.5	20.6
7	15.3	35.1	15.8	17.0	41.0	24.5	13.4	1.3	4.1	6.3	24.5	24.5
8	18.8	55.1	14.1	14.7	76.3	22.8	12.1	1.3	4.1	7.3	18.3	26.2
9	19.8	31.2	14.1	18.8	50.6	33.3	11.5	1.3	4.7	20.6	16.8	22.8
10	20.7	28.2	15.3	17.0	43.1	34.2	11.5	.9	4.7	19.8	20.6	21.3
11	29.2	32.1	14.7	16.4	39.1	28.8	10.8	.9	3.6	38.1	22.1	19.8
12	22.5	28.2	13.5	15.3	34.2	27.9	10.8	.5	3.6	19.8	20.6	18.3
13	23.4	25.2	12.9	17.9	31.4	27.9	10.2	.9	3.1	27.1	22.1	17.5
14	22.5	23.4	12.3	14.7	30.5	27.9	9.6	.9	3.1	25.4	20.6	16.8
15	19.8	22.5	10.7	15.8	29.6	25.4	8.9	.9	3.6	16.8	19.8	15.3
16	21.6	27.2	10.7	15.8	30.5	22.8	10.2	.9	7.3	20.6	28.8	15.3
17	22.5	23.4	11.2	14.1	45.3	45.3	9.6	1.8	4.7	11.5	23.7	19.1
18	18.8	23.4	10.7	14.7	59.9	29.6	8.9	4.7	4.1	10.2	21.3	17.5
19	17.9	21.6	11.7	14.1	37.1	27.1	8.4	1.3	4.1	9.6	20.6	17.5
20	21.6	22.5	11.7	17.0	57.6	24.5	8.4	1.8	10.2	10.2	21.3	15.3
21	23.4	22.5	12.9	14.1	48.5	24.5	7.9	6.3	4.7	12.1	21.3	16.8
22	22.5	21.6	12.3	14.7	59.9	22.8	7.9	2.7	4.1	17.5	22.8	16.8
23	25.2	17.9	11.7	14.1	55.2	22.8	7.3	1.3	4.1	12.1	22.1	14.7
24	32.1	16.4	10.7	13.5	52.9	21.3	10.2	.5	4.1	10.8	20.6	14.7
25	26.2	15.3	14.1	12.3	42.1	19.8	8.4	.5	3.4	10.8	22.8	14.0
26	25.2	14.7	17.9	11.7	64.8	24.5	8.9	1.8	3.4	11.5	24.5	13.4
27	30.2	14.1	18.8	17.0	49.6	17.5	3.6	.9	5.8	9.6	28.8	12.8
28	34.1	13.5	31.2	13.5	45.3	16.1	3.1	5.2	10.9	14.0	23.7	12.8
29	30.2	13.5	45.1	12.3	40.0	12.1	2.7	7.3	6.8	17.5	20.6	12.8
30	25.2		24.3		35.2	15.3	2.2	5.2	5.7	16.1	19.1	12.8
31	21.6		22.5		33.3		1.8	11.5		16.8		12.8
TOT	698.5	681.4	494.7	445.6	1360.6	771.2	288.7	73.4	151.8	430.3	598.8	554.4
PROM	22.5	23.5	16.0	15.4	43.9	25.7	9.3	2.4	5.1	13.9	20.0	17.9
MAX	84.4	71.2	103.0	55.2	114.9	105.2	136.8	128.2	18.3	81.9	49.6	51.7
MIN	15.3	12.9	10.3	16.1	16.8	19.8	5.7	.5	4.1	4.7	10.8	12.8

ESTACION RIO TIMBA "TIMBA"

Caudales Promedios Mensuales y Anuales

en m³/seg

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Prom. anual
1946	22.0	11.0	14.0	19.0	22.0	10.0	6.0	4.2	3.6	8.4	35.0	41.9	16.4
1947	33.0	12.0	8.0	12.0	12.0	23.0	18.0	13.0	15.0	29.0	40.0	15.0	19.2
1948	11.0	8.0	14.0	18.0	26.0	19.0	7.0	5.0	5.0	15.0	32.0	12.0	14.3
1949	13.0	21.0	19.0	26.0	36.0	37.0	25.0	12.0	9.0	34.0	69.0	37.0	28.2
1950	22.0	49.0	47.0	44.0	102.0	32.0	19.0	19.0	9.0	34.0	55.0	50.0	40.2
1951	38.0	41.0	28.0	24.0	34.0	32.0	24.0	9.0	9.0	16.0	27.0	32.0	26.2
1952	23.0	15.0	10.0	17.0	37.0	17.0	10.0	8.0	4.0	10.0	20.0	45.0	18.0
1953	21.7	22.0	13.5	31.0	36.2	25.3	10.9	4.8	5.2	28.0	39.7	35.9	22.9
1954	21.0	19.3	22.5	47.0	37.6	24.0	21.2	10.9	4.9	23.2	62.2	53.2	28.9
1955	30.7	6.2	14.4	30.6	53.0	30.0	30.0	8.7	14.1	33.1	43.0	41.8	28.0
1956	42.5	51.4	31.7	51.6	45.7	64.9	19.5	10.2	11.5	36.9	23.7	28.5	34.8
1957	30.9	14.6	12.2	32.2	31.3	23.1	6.6						21.6
1964											35.6	27.3	
1965	23.4	16.6	15.2	38.9	27.4	16.5	7.9	5.2	5.6	16.7	36.3	20.5	19.2
1966	27.9	10.1	10.3	15.2	17.8	17.3	14.8	9.3	9.7	17.4	27.5	38.8	18.0
1967			14.3	15.3	33.5	23.2	9.9	6.5	6.0	13.4	25.1	17.8	16.5
1968	12.8	11.4	12.1	28.7	19.9	25.4	14.2	8.4	16.1	30.0	31.9	19.9	19.2
1969	16.0	16.3	12.2	24.0	30.3	33.8	8.0	8.7	5.2	34.7	41.7	55.3	23.9
1970	30.6	18.6	22.5	24.0	31.7	26.0	12.6	6.9	14.2	35.7	33.5	27.6	23.7
1971	22.0	12.2	21.1	18.4	40.5	20.6	12.6	(12.1)	14.8	39.1	38.1	22.3	22.8
1972	22.5	23.5	16.0	15.4	43.9	25.7	9.3	2.4	5.1	13.9	20.0	17.9	18.0

ESTACION RIO TIMBA "TIMBA"

Caudales Máximos y Mínimos Mensuales y

Anuales en m³/seg.

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1946 Max								6.2	5.0	25.5	200.0	84.0	200.0
Min								3.4	2.9	2.8	17.8	18.0	2.8
1947 Max	76.0	15.0	16.0	22.0	21.0	41.0	29.0	...	...	92.0	77.0	24.0	92.0
Min	14.0	9.0	5.0	10.0	8.0	14.0	11.0	...	...	12.0	28.0	10.0	5.0
1948 Max	19.0	13.0	35.0	26.0	49.0	69.0	14.0	7.0	12.0	43.0	89.0	...	89.0
Min	8.0	5.0	8.0	7.0	14.0	9.0	5.0	4.0	4.0	4.0	12.0	...	4.0
1949 Max	20.0	55.0	37.0	45.0	92.0	90.0	42.0	25.0	14.0	102.0	200.0	81.0	200.0
Min	8.0	12.0	12.0	15.0	22.0	20.0	13.0	8.0	6.0	8.0	30.0	15.0	6.0
1950 Max	72.0	273.0	252.0	303.0	300.0	84.0	62.0	130.0	17.4	135.0	135.0	92.0	303.0
Min	13.0	18.0	20.0	22.0	52.0	10.4	8.1	8.5	6.5	14.2	29.0	26.0	6.5
1951 Max	135.0	74.0	48.0	83.0	158.0	74.0	72.0	28.0	18.8	100.0	90.0	90.0	158.0
Min	24.0	24.0	19.6	14.8	16.0	13.6	8.5	6.8	6.9	6.5	12.4	18.8	5.9
1952 Max	110.0	32.0	17.3	80.0	84.0	36.0	14.6	15.7	5.9	31.6	80.0	145.0	145.0
Min	11.5	10.0	8.0	6.3	20.4	10.0	6.6	5.3	2.9	4.9	10.5	23.9	2.9

ESTACION RIO TIMBA"TIMBA"

Caudales máximos y mínimos mensuales y anuales
en m³/seg

Año		Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1953	Max	58.0	32.5	30.5	70.0	68.0	37.7	17.7	7.8	17.7	100.0	81.0	81.0	100.0
	Min	2.9	13.6	6.0	12.8	21.1	16.8	5.6	3.7	3.3	6.6	12.8	21.1	3.3
1954	Max	41.0	41.0	81.0	100.0	120.0	53.0	53.0	30.5	12.8	69.0	140.0	140.0	140.0
	Min	12.8	12.0	12.0	21.1	12.8	9.0	12.0	4.8	2.8	5.6	30.5	30.0	2.8
1955	Max	58.0	19.8	58.0	74.0	112.0	58.0	74.0	30.0	30.0	74.0	74.0	92.0	112.0
	Min	18.1	3.4	3.2	6.9	18.1	3.6	10.8	2.7	6.5	11.4	19.8	18.1	2.7
1956	Max	80.0	143.0	100.0	143.0	100.0	143.0	48.0	25.7	25.7	100.0	63.0	100.0	143.0
	Min	23.1	25.7	11.0	17.4	23.9	24.8	6.2	5.9	5.6	9.5	8.4	10.5	5.6
1957	Max	121.0	63.0	36.0	80.0	100.0	100.0	17.4	---	---	---	---	---	---
	Min	9.5	5.6	5.6	6.2	9.5	5.9	3.1	---	---	---	---	---	---
1964	Max	---	---	---	---	---	---	---	---	---	---	100.0	80.0	---
	Min	---	---	---	---	---	---	---	---	---	---	23.0	21.9	---
1965	Max	44.0	25.5	29.0	119.5	45.1	25.6	17.4	45.1	21.1	59.0	95.0	45.0	119.5
	Min	18.0	11.2	11.0	14.0	13.0	10.5	5.1	3.4	3.1	4.9	14.5	7.4	3.1
1966	Max	67.0	21.0	27.2	121.0	67.0	26.0	23.5	22.5	18.8	60.1	67.0	71.8	121.0
	Min	12.4	5.7	4.1	5.3	11.2	12.4	6.5	6.1	5.3	6.5	8.9	18.0	4.1
1967	Max	---	---	48.3	54.5	108.4	139.6	16.2	8.6	18.6	28.1	53.1	32.0	139.6
	Min	---	---	11.1	11.1	13.3	12.1	7.5	5.2	4.1	7.6	12.5	11.0	4.1
1968	Max	24.6	44.4	70.7	164.6	38.5	61.7	113.7	48.1	49.4	113.5	106.7	40.9	164.6
	Min	8.9	7.9	7.6	8.2	12.5	13.6	7.3	4.2	10.5	14.7	18.6	12.1	4.2
1969	Max	61.7	59.2	35.5	122.1	105.1	294.2	12.1	67.2	18.4	87.5	118.2	120.2	294.2
	Min	8.9	11.6	8.9	11.6	21.2	12.8	5.5	4.2	3.0	18.4	24.7	37.9	3.0
1970	Max	40.2	75.6	82.1	105.3	57.9	48.5	20.5	13.4	122.5	86.9	69.8	151.5	151.5
	Min	23.0	12.5	14.8	14.1	19.0	17.5	8.7	4.9	6.2	15.4	16.8	18.3	4.9
1971	Max	102.1	37.6	56.2	99.3	130.2	64.1	26.2	55.9	55.9	115.3	130.4	90.5	130.4
	Min	10.3	8.7	9.1	10.7	17.9	14.1	8.2	7.4	12.3	14.1	20.7	18.8	7.4
1972	Max	84.4	71.2	103.0	55.2	114.9	105.2	136.8	128.2	18.3	81.9	49.6	51.7	136.8
	Min	15.3	12.9	10.3	16.1	16.8	19.8	5.7	.5	4.1	4.7	10.8	12.8	.5

ESTACION RIO TULUA "MATEGUADUA"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1.971

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	13.9	20.9	22.2									
2	13.9	17.9	45.4									
3	13.1	16.4	36.5									
4	23.5	20.3										
5	20.3	30.3										
6	27.1	25.6										
7	94.9	22.8										
8	63.0	24.8										
9	54.3	22.2										
10	47.6	26.3										
11	32.7	22.8										
12	30.3	24.8										
13	30.3	28.7										
14	29.5	35.5										
15	26.3	28.7										
16	24.8	24.8										
17	23.5	22.2										
18	24.8	31.1										
19	24.1	37.4										
20	31.9	42.1										
21	26.3	34.6										
22	23.5	30.3										
23	21.6	29.5										
24	18.4	26.3										
25	18.4	23.5										
26	19.6	22.2										
27	19.0	21.6										
28	19.0	22.8										
29	21.6											
30	20.3											
31	21.6											
TOT	879.1	736.4										
PROM	28.4	26.3										
MAX	178.7	42.1										
MIN	13.1	16.4										

ESTACION RIO TULUA " MATEGUADUA"

Caudales Promedios Diarios en m³/s

AÑO CALENDARIO

1972

Dia	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1				15.9	19.1	13.8	21.6	7.5	8.0	6.9	26.9	25.3
2				15.9	18.7	13.4	35.4	8.0	7.8	6.4	19.1	24.2
3			10.6	13.8	18.2	13.0	22.6	9.1	8.0	6.4	28.1	17.3
4			10.6	13.4	16.3	13.4	15.1	8.0	10.6	7.5	27.5	15.9
5			11.4	12.6	15.5	12.6	15.5	7.8	8.0	7.2	20.6	15.9
6			13.0	11.0	14.7	12.2	25.3	7.8	7.5	6.9	15.9	15.9
7			13.0	10.6	15.1	12.2	23.1	7.5	6.9	6.9	14.3	12.2
8			13.0	10.2	15.5	12.6	15.9	7.8	6.7	6.4	14.3	11.0
9			11.0	9.5	15.5	12.6	14.3	7.8	6.7	6.7	12.2	12.2
10			17.3	16.8	15.9	12.6	13.8	11.0	6.7	7.2	11.0	15.9
11			16.3	16.3	21.0	16.8	15.5	12.2	7.2	7.2	10.2	13.0
12			11.8	18.2	16.3	20.1	20.1	9.1	6.9	7.2	9.9	11.8
13			10.6	16.8	15.5	19.1	16.8	9.5	6.7	13.0	11.4	12.6
14			10.6	18.2	14.7	18.7	13.4	10.6	6.4	13.8	11.9	11.8
15			10.2	14.7	17.3	21.0	12.6	9.9	6.7	8.7	15.5	11.0
16			9.9	20.1	16.8	20.1	15.1	8.3	8.3	7.2	19.6	10.6
17			9.9	15.9	24.7	13.0	12.2	8.3	7.8	6.7	20.1	12.6
18			9.9	14.3	21.6	12.6	13.0	9.9	7.5	6.4	16.3	14.7
19			10.6	38.7	17.3	12.6	12.6	9.5	8.0	6.4	14.3	20.1
20			13.0	40.1	20.1	12.6	11.8	10.6	13.8	6.4	16.3	21.0
21			13.4	20.1	22.6	12.6	11.0	13.0	9.9	6.4	17.3	19.6
22			24.2	19.6	29.9	11.4	10.6	10.2	9.1	6.4	20.1	17.7
23			16.8	18.2	23.1	11.0	9.9	9.5	8.0	6.7	23.7	14.3
24			14.3	15.9	20.1	14.7	10.6	8.3	7.2	6.7	26.3	12.6
25			14.3	15.1	20.1	14.3	9.1	8.0	6.9	6.7	19.6	11.8
26			16.3	15.5	18.2	13.4	9.1	7.8	7.2	6.4	17.3	11.4
27			15.9	18.7	18.2	13.8	9.1	7.8	7.8	6.4	14.7	10.6
28			15.9	15.5	18.2	11.4	8.7	7.2	6.9	6.4	13.4	10.2
29			17.3	15.1	18.2	13.8	9.9	7.5	7.2	7.5	12.2	9.9
30			21.6	31.1	15.5	28.1	8.3	8.0	6.7	6.7	11.8	9.5
31			16.8		15.1		7.5	7.5		11.8		9.1
TOT			399.5	527.8	569.0	439.5	449.5	275.0	233.1	229.6	511.8	441.7
PROM			13.8	17.6	18.4	14.7	14.5	8.9	7.8	7.4	17.1	14.2
MAX			38.0	61.4	74.6	49.4	44.2	20.1	21.0	31.0	53.2	48.6
MIN			9.9	9.5	13.4	11.0	7.2	7.2	6.1	6.4	9.5	8.7

ESTACION RIO TULUA MATEGUADUA

Caudales Promedios Mensuales y anuales en m³/s

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Promedio anual
1.945									6.0	9.0	16.8	14.3	
1.946	15.6	9.4	11.0	(13.5)	13.0	9.6	8.3	8.6	4.6	6.1	13.5	11.1	10.4
1.947	9.8	7.5	5.2	5.2	7.5	8.1	9.2	8.7	8.6	21.5	17.0	10.6	9.9
1.948	6.0	5.6	7.2	16.6	10.0	11.4	7.6	7.1	4.7	7.1	9.9	8.6	8.5
1.949	13.2	11.6	10.5	11.0	13.4	14.7	15.2	10.0	8.6	22.2	(29.0)	28.4	15.7
1.950	20.9	49.5	46.2	39.7	54.2	35.9	22.4	11.5	7.4	13.7	28.9	27.5	29.8
1.951	16.4	--	---	---	---	---	---	---	6.2	9.5	19.8	13.8	---
1.952	11.8	10.3	10.0	15.5	26.3	11.2	11.7	8.2	6.1	6.8	19.8	21.5	13.3
1.953	9.0	9.1	7.7	11.2	(20.0)	(8.5)	(7.8)	8.5	7.5	16.9	26.3	(21.0)	12.8
1.954	(11.6)	9.1	6.7	14.6	16.1	13.0	16.0	15.7	7.4	26.2	30.9	29.1	16.4
1.955	22.6	8.3	19.4	34.0	21.3	20.1	15.8	11.5	9.7	33.2	30.9	35.6	21.9
1.956	34.0	18.6	20.9	19.0	15.0	20.6	15.2	12.4	11.4	25.5	22.2	23.9	19.9
1.957	15.6	9.6	10.4	15.6	23.6	15.7	10.1	7.8	6.1	8.0	10.2	11.5	12.0
1.958	7.3	6.4	6.3	13.3	17.3	7.3	6.2	5.7	4.4	5.0	9.3	10.1	8.2
1.959	8.0	4.9	4.7	6.2	13.6	15.1	12.9	6.9	6.2	11.7	12.9	14.9	9.8
1.960	27.8	24.1	10.7	11.6	12.1	10.0	11.2	9.4	7.6	12.4	17.8	25.6	15.0
1.961	10.8	9.1	6.8	14.8	---	---	---	---	---	---	---	---	---
1.967					25.4	---	(14.5)	10.1	7.0	9.9	(32.0)	13.4	16.0
1.968	8.7	10.8	9.0	19.9	12.0	22.2	18.7	12.0	11.3	23.2	23.9	20.1	16.0
1.969	10.6	9.4	7.2	25.8	21.4	15.6	12.8	10.1	8.6	21.4	21.2	14.0	14.8
1.970	11.6	14.5	17.0	14.5	22.4	18.3	13.1	10.3	8.8	19.6	47.1	20.3	18.1
1.971	28.4	26.3											
1.972			13.8	17.6	18.4	14.6	14.5	9.0	7.8	7.4	17.1	14.2	14.6

ESTACION RIO TULUA MATEGUADUA

Caudales Máximos y mínimos mensuales y anuales

en m³/seg

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
1967 Max	---	---	---	---	163.2	---	54.5	69.7	12.3	50.3	132.0	25.2	132.0
Min	---	---	---	---	13.5	---	8.4	6.6	5.5	5.5	9.9	9.6	5.5
1968 Max	17.1	47.4	13.5	77.8	24.4	138.8	77.8	34.1	35.5	66.5	87.0	61.6	138.8
Min	5.6	5.3	7.0	7.0	8.8	11.1	9.6	7.6	7.6	8.8	9.9	10.7	5.3
1969 Max	20.4	16.5	9.2	87.0	47.3	27.7	30.7	13.2	19.9	112.5	37.6	18.9	112.5
Min	8.8	7.2	6.6	7.2	12.8	11.7	8.9	8.9	7.6	11.4	13.2	11.0	6.6
1970 Max	19.4	30.7	47.3	33.7	124.0	30.7	33.7	25.5	49.8	73.9	224.3	71.1	224.3
Min	9.5	9.5	11.0	10.2	12.1	13.2	11.0	7.0	6.3	8.5	25.6	14.7	6.3
1971 Max	178.7	42.1											
Min	13.1	16.4											
1972 Max			38.0	61.4	74.6	49.4	44.2	20.1	21.0	31.0	53.2	48.6	74.6
Min			9.9	9.5	13.4	11.0	7.2	7.2	6.1	6.4	9.5	8.7	6.1

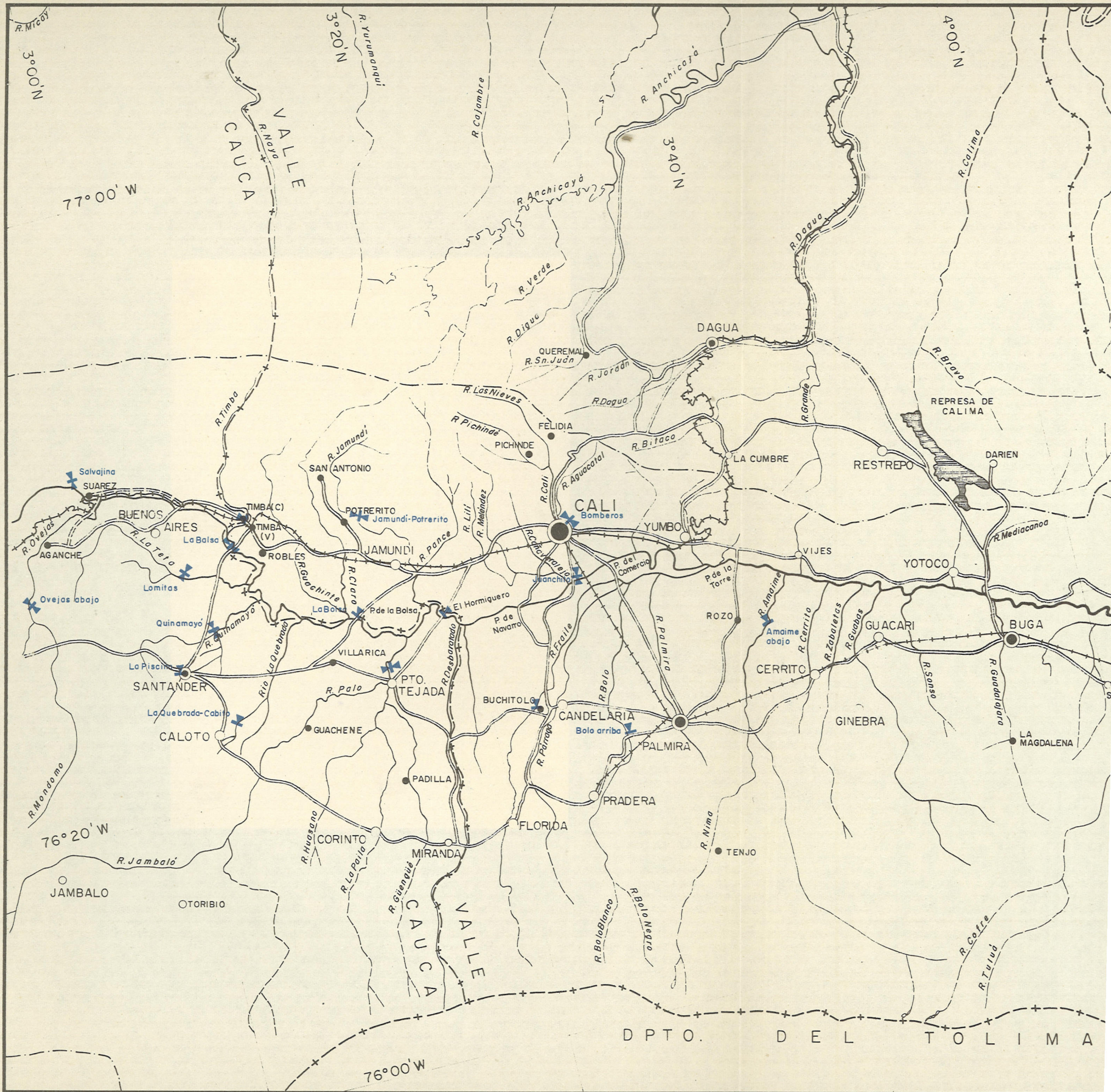
ESTACION RIO PESCADOR "BOCATOMA"

Caudales Promedios Diarios en m³/s



AÑO CALENDARIO

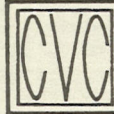
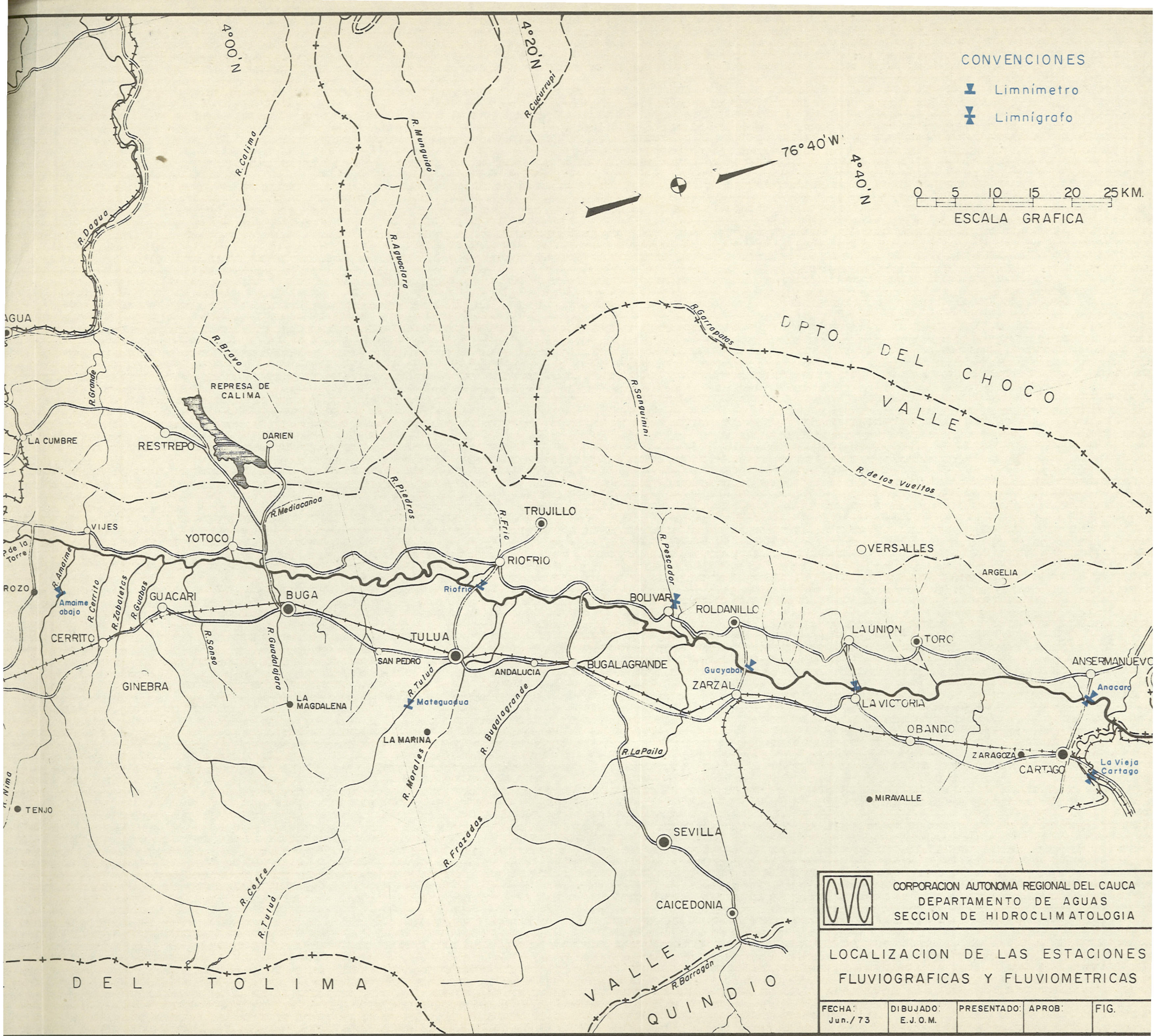
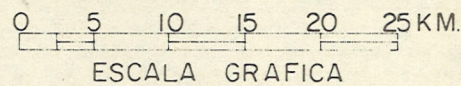
1972

Día	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
1	1.1	1.4	1.1	1.4	1.0	1.0	1.0	0.8	0.9	0.8	1.0	1.4
2	1.0	1.4	1.1	1.0	1.8	1.0	1.0	0.8	0.8	0.8	1.1	0.9
3	1.0	1.2	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.8	1.0	0.9
4	1.0	1.2	1.1	1.0	1.0	1.2	1.0	0.9	0.8	0.8	1.0	0.9
5	1.0	1.2	1.1	1.0	1.4	1.0	1.0	0.8	0.8	0.7	0.9	0.9
6	1.0	1.4	1.2	1.0	1.1	1.0	1.2	0.8	0.8	0.7	1.0	1.0
7	1.0	2.2	1.1	1.0	1.0	1.0	1.0	0.8	0.8	0.8	1.2	0.9
8	1.0	1.7	1.1	1.0	1.0	1.0	1.0	0.8	0.8	0.7	1.0	0.9
9	1.0	1.4	1.0	1.0	1.0	1.5	1.0	0.8	0.8	0.7	0.9	1.0
10	1.0	1.8	1.1	1.0	1.0	3.3	1.4	0.8	0.8	0.7	0.9	1.0
11	1.0	1.5	1.0	1.0	1.0	10.0	1.5	0.8	0.8	1.5	0.9	0.9
12	15.5	1.4	1.0	1.0	0.9	2.4	1.0	0.8	0.8	0.9	1.4	0.9
13	2.7	1.8	1.0	1.0	1.0	7.2	1.0	0.8	0.7	0.8	1.0	0.9
14	2.2	1.2	1.0	1.0	1.0	2.5	1.0	0.8	0.8	0.8	1.0	0.9
15	3.3	1.1	1.0	1.0	2.4	2.1	1.0	0.8	0.8	0.7	4.4	0.9
16	4.0	1.7	1.0	1.0	1.5	2.1	1.0	0.8	1.0	0.7	0.9	0.9
17	2.9	1.5	1.0	1.0	1.9	1.9	1.0	0.8	0.8	0.7	0.6	1.0
18	2.1	1.2	1.0	1.5	1.9	1.2	1.0	0.9	0.8	0.7	1.0	1.0
19	1.9	1.1	1.0	1.7	1.2	1.1	1.0	0.8	0.8	0.7	1.2	1.0
20	1.9	1.1	1.5	1.2	3.3	1.1	0.9	0.8	0.9	0.9	0.7	0.9
21	2.2	1.1	1.4	1.0	1.8	1.1	0.9	0.8	0.9	0.8	0.8	3.6
22	1.7	1.1	1.5	1.4	1.9	4.4	0.9	0.9	0.9	0.8	0.8	1.9
23	1.7	1.1	2.2	1.4	2.1	1.8	1.0	0.8	0.9	0.7	1.4	1.4
24	1.7	1.1	1.7	1.0	1.4	1.0	1.0	0.8	0.8	0.7	1.0	1.1
25	1.7	1.1	1.1	1.0	1.2	1.4	0.9	0.8	0.8	0.7	1.0	1.0
26	1.8	1.1	1.1	1.0	1.1	1.2	0.9	0.9	0.8	0.7	1.0	1.0
27	1.7	1.1	1.1	1.0	1.1	1.1	0.9	0.9	0.8	0.7	0.9	1.0
28	1.5	1.1	1.1	1.5	1.1	1.0	0.9	0.9	0.8	1.7	0.9	0.9
29	1.4	1.1	1.4	1.5	1.1	1.0	0.9	0.8	0.8	1.0	2.4	0.9
30	1.4		1.1	1.0	1.0	1.0	0.9	0.9	0.7	1.0	1.0	0.9
31	1.4		2.1		1.0		0.8	0.9		1.0		0.9
TOT	65.8	38.4	37.3	33.6	42.2	59.6	31.0	25.7	24.5	25.7	34.3	33.7
PROM	2.1	1.3	1.2	1.1	1.4	2.0	1.0	.8	.8	.8	1.1	1.1
MAX (60.0)	16.3	8.4	6.5	12.7	(70.0)	19.6	1.8	1.5	5.7	(15.0)	8.0	
MIN	1.0	1.1	1.0	1.0	.9	1.0	.8	.8	.7	.7	.6	.9



CONVENCIONES

-  Limnómetro
-  Limnógrafo



CORPORACION AUTONOMA REGIONAL DEL CAUCA
DEPARTAMENTO DE AGUAS
SECCION DE HIDROCLIMATOLOGIA

LOCALIZACION DE LAS ESTACIONES
FLUVIOGRAFICAS Y FLUVIOMETRICAS

FECHA: Jun./73	DIBUJADO: E.J.O.M.	PRESENTADO:	APROB:	FIG.
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