

# ESTACIÓN PENITAS MÁXIMOS

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I D E A M - INSTITUTO DE HIDROLOGIA, METEOROLOGIA Y ESTUDIOS AMBIENTALES

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25			ESTACION : 54097010 PENITAS												
LATITUD	0417 N	TIPO EST	LG	DEPTO	CHOCO	FECHA-INSTALACION						1969-MAR			
LONGITUD	7701 W	ENTIDAD	01 IDEAM	MUNICIPIO	EL LITORAL DEL SAN JUAN	FECHA-SUSPENSION									
ELEVACION	0007 m.s.n.m	REGIONAL	09 VALLE-QUINDI	CORRIENTE	SAN JUAN										
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1969	4	33	2552 6	2524 6	2670	3110	2730	2680	2510	2880	3380	4700	3090	3680 1	4700.00
1970	4	33	2920 1	2860 1	2640 1	2880 1	3450 1	2800 1	2840 1	2640 1	3290 1	4420 1	3820 1	3930 6	4420.00
1971	2	01	4861 6	4038 6	3872 6	3388 1	3766	3514	4169 6	4840 6	4152 6	3960 6	5034 6	3514	5034.00
1972	2	01	4530	2360	2892	2535	4335 6	3484	2892	2710	3608	3372	3608	2566	4530.00
1973	2	01	2100	2314	3388	4286 8	4427 8	4576 8	4380 8	5234 8	4215 8	6173 8	5105 8	4372 8	6173.00
1974	2	01	3188 6	3059 6	3963 6	2786 1	3290 1	3721 1	3658 1	4238 1	3521 1	4164 1	3969 1	4010 1	4238.00
1975	2	01	2130 1	2882	2142 1	2185 1	3645 1	2918 1	3000 1	3544 1	3016 1	3600 1	4540 8	4207 1	4540.00
1976	2	01	2848 1	1998 1	2872 1	2938 1	2636 1	2796 1	1954 1	1708 1	2359 1	3378 1	3390 1	2884 1	3390.00
1977	2	01	1913 1	2600 1	2173 1	2670 1	3564 1	3005 1	3249 1	3200 1	3514 6	3750 1	3529 1	3215 1	3750.00
1978	2	01	2608 8	2470 1	3200 1	3784	3910	3120	2820	3000	4030	3650	3297	3440	4030.00
1979	2	01	2680	2821 6	2979	3904	3229 6	3016 6	3270	2935	4007 6	4083 1	3408 1	3353 1	4083.00
1980	2	01	2510 1	2555 1	2078 1	3155 1	3263 6	3154 6	3270	2710	3512	3427	3814 1	3802 1	3814.00
1981	2	01	3361 6	2762 6	3667 6	3590	3470 1	3073	3078 1	3320 1	2809	3488	3814	3452	3814.00
1982	2	01	1968	2941	3001	3150	2838	2941	2845	2251	3548	2660	2685	2566	3548.00
1983	2	01	2630	1934	1865	2540	2720 1	2904 1	2614 1	2825 1	2685 1	2851 1	3155 1	2700 1	3155.00
1984	2	01	2596 1	2908 1	3264 1	2913	2803	3172	2620	3161	2990	4090 1	3910 1	2968 1	4090.00
1985	2	01	2640 1	2281 1	3012 1	3062	3310	3452	3150	3023 1	3062 1	3421 1	4083 1	2968 1	4083.00
1986	2	01	3150 1	2500 1	2500 1	3820	3139	3007 1	2520 1	2520 1	3100 1	3713 1	2996 1	2540 1	3820.00
1987	2	01	2640 1	2395 1	2690 1	2640 1	2871 1	2191 1	2946	2781 1	3548 1	3364 1	3166 1	3205 1	3548.00
1988	2	01	2175 1	2600 1	2606 1	3091 1	3006 1	2810	3276	4075	4090 1	3856 1	4239 1	3810 1	4239.00
1989	2	01	3072 1	2372 1	2236 6	3039 1	3019 1	3296 1	2738 1	3085 1	3111 1	3322 1	3739 1	4773 8	4773.00
1990	2	01	3481 1	2933 1	3094 6	2814 6	3098 1	2266 1	2708 1	3204 1	3415 1	4461 8	3841 1	3441 1	4461.00
1991	2	01	2792 1	2888 1	2462 1	2594 1	2900 1	3200 6	2900 1	2588 1	3283 1	2900 1	2900 1	3309 1	3309.00
1992	2	01	2396 1	2726	2876	2858 1	2678 1	2564 1	2036 1	2999 1	3527 1	2953 1	2876 1	3296 1	3527.00
1993	2	01	3408 1	2780 1	2354 1	3514 1	3305 6	2882	2510 1	3428 1	3006 1	3934 1	3527 1	3408 1	3934.00
1994	2	01	2660 1	2858 1	3296 1	3428 1	3950 1	3336 1	2660 1	3560 1	3622 1	4366 8	3872 1	3322 1	4366.00
1995	2	01	2204 1	2050 1	2166	3646 1	4083 1	3540 1	2828 1	2834 1	3362 1	4278 1	3708 1	3903 1	4278.00
1996	1	01	3032 1	3144 1	3006 1	3778 1	5203 8	3085 1	2858 1	3591 3			2672 9	3802 1	5203.00 3
1997	1	01	2953 1	2660 1	2973 1	2600 1	3283	3349	2238 3	2132	2696 1	2606 1	3157 1	2426 1	3349.00 3
1998	1	01	2233 3	2900 3		2600 9	3435 1	2684 1	2786	3303 3	3256	4090 3	4215	3501 3	4215.00 3
1999	2	01	3607	3250	3171	3739 1	4270 1	3474 1	3098 1	3934 1	3591 1	4817 8	4900 8	4435 8	4900.00
2000	2	01	3225 3	4337	3787	3529 1	3551 1	3435 1	3370 1	3631 1	3958 1	3950 3	4500	3232	4500.00 3
2001	2	01	2569	*	3276	3073 3	4175	2831	3384	3834	3725 3	3880 3	5238 8	4860 8	5238.00 3
2002	2	01	3087 1	2950 1	2900 1	3903	4066 1	2838	4260	4244	4314	5022 8	4306	4020	5022.00
2003	1	01	3399	2581	2819	2906	3764 1	3355 1	3653 1	4469 1	3638 1	3787 1	3733 3	4345 3	4469.00 3
2004	1	01	4376	2316	*	3334 1	4051 3	2813 1	3587 1	4492 1	4755 8	4198			4755.00 3
2005	1	01				3981 1	3660 1	3305 1	3515 1	4605 8	3927	4598 3	3810	4605.00 3	
2006	1	01	3703 3	2975	3653	4244	4337	3981	3522 3	3682 3	3189 3	3537	4423 3	4089 1	4423.00 3
2007	1	01	3803	2788 3	2938 1	3996 1	3609 1	2975 1	3015 1	4583 8	4244 3	4446 1	4635 8	4229 1	4635.00 3
2008	1	01	3919 1	3283 3	2994 1	3950 1	3377	2919	3377 1	3348 1	3464 1	3493	5006 8	5102 8	5102.00 3
2009	1	01	3558	3764 3	4198	3442	3160 3	3703	3312 3	3631 3	3602	3748	3319 3	4151 3	4198.00 3
2010	1	01	2240	2644	3334	3653	3942	3225	3779	3544	3624	4330 1	5272 3	5221 3	5272.00 3
2012	1	01	2785 3	3026 3	2536	2404	*	*	*	*	*	*	*	*	3026.00 3
MEDIOS			2964	2781	2939	3226	3515	3137	3071	3363	3523	3858	3880	3655	3325.88
MAXIMOS			4861	4337	4198	4286	5203	4576	4380	5234	4755	6173	5272	5221	6173.00¶
MINIMOS			1913	1934	1865	2185	2636	2191	1954	1708	2359	2606	2672	2426	1708.00¶

# ESTACIÓN PENITAS MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25															ESTACION : 54097010 PENITAS	
LATITUD 0417 N			TIPO EST LG		DEPTO CHOCO		FECHA-INSTALACION 1969-MAR									
LONGITUD 7701 W			ENTIDAD 01 IDEAM		MUNICIPIO EL LITORAL DEL SAN JUAN		FECHA-SUSPENSION									
ELEVACION 0007 m.s.n.m			REGIONAL 09 VALLE-QUINDI		CORRIENTE SAN JUAN											
AÑO	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL	
1969	4	33	1099 6	793.2 6	940.0	1200	1130	1380	700.0	1100	1040	1600	1970	1440 1	700.00	
1970	4	33	890.0 6	580.0 1	580.0 1	1550 1	1600 1	1320 1	1500 1	1460 1	1340 1	2130 1	2450 1	1730 1	580.00	
1971	2	01	884.0 6	956.0 6	486.0 6	1003 1	1579	1552	1381	1141	1731 1	1477 1	1897	1130	486.00	
1972	2	01	1197	560.0	609.0	659.0	1158	1185	730.0	711.0	950.0	1067	1144	728.0	560.00	
1973	2	01	616.0	555.0	494.0 8	912.0	1126	1661	1143	1235	1919	2199	3496	2380 1	494.00	
1974	2	01	961.8 6	1128 6	765.0	825.0	1575 1	1257 1	1470 1	1155 1	1242 1	1817 1	2086 1	903.0 1	765.00	
1975	2	01	695.0	845.0 1	616.0 1	782.0 1	1204 1	1080 1	1224 1	1819 1	1449 1	1735 1	2526 1	1157 1	616.00	
1976	2	01	841.0 1	428.0 1	346.0 1	266.0 1	691.0 1	669.0 1	529.0 1	647.0 1	680.0 1	900.0 1	1206 1	589.0 1	266.00	
1977	2	01	335.0 1	899.0 1	827.0 1	991.0 1	1641 1	1317 1	1184 1	1815 1	1259 6	2702 1	1727 1	1295 1	335.00	
1978	2	01	1006 8	1036 8	939.0 8	1618	1870	1550	1222	1099	1794	1712	1457	1480	939.00	
1979	2	01	975.0	1124	1153	1481 6	1150 6	1451 6	1670 8	1652 6	1793 8	1579 8	1207 1	1242 1	975.00	
1980	2	01	875.0 1	1270 1	714.0 1	835.0 1	1224 1	1202 6	1013 6	1276 1	1468	1903	2023	1583 6	714.00	
1981	2	01	1256 6	1490 6	1184 6	1034	1505	1161	1158	920.0	979.0	1494	2395	1750	920.00	
1982	2	01	1020	843.0	996.0	1139	1643	1218	1089	896.0	1288	1354	1168	1121	843.00	
1983	2	01	650.0	541.0	732.0	1026	1047	843.0 1	793.0 1	1194 1	1372 1	1297 1	1321 1	1154 1	541.00	
1984	2	01	1283 1	1426 1	865.0 1	1176 1	1377	1260	1501	1142	1510	1698	1520 1	1753 1	865.00	
1985	2	01	1170 1	941.0 1	772.0 1	1184 1	1227	1067	1132	1066 1	1358 1	1474 1	1390 1	972.0 1	772.00	
1986	2	01	1309 1	1004 1	925.0 1	1014	1444	1054	881.0 1	843.0 1	1114 1	2276 1	1505 1	985.0 1	843.00	
1987	2	01	819.0 1	762.0 1	886.0 1	834.0 1	1169 1	945.0 1	977.0	1024 1	1394 1	1560 1	1345 1	1144 1	762.00	
1988	2	01	825.0 1	1008 1	741.0 8	1024 1	1194	1277	1139	1227	1428 1	2026 1	1998 1	1274 1	741.00	
1989	2	01	1353 1	891.0 1	710.0 8	809.0 1	1254 1	1580 1	1193 1	1319 1	1526 1	1542 1	1249 1	1180 1	710.00	
1990	2	01	1315 1	1185 1	876.1 6	1082 6	1637 1	1072 1	1068 1	1188 1	1543 1	2471 1	1662 1	1106 1	876.10	
1991	2	01	1022 1	737.0 1	1005 1	941.0 1	1672 6	1222 6	1092 1	1010 1	1115 1	1019 1	1519 1	1227 1	737.00	
1992	2	01	1066 1	640.0 8	724.0 1	866.9 6	1090 1	1080 1	1061 1	1204 1	1798 1	1280 1	1377 1	1433 1	640.00	
1993	2	01	1380 1	1029 1	1083 1	1286 1	1522 6	1145	1149 1	1325 1	1564 1	1513 1	1803 1	1178 1	1029.00	
1994	2	01	965.0 1	942.0 1	913.0 1	1410 1	1365 1	1380 1	1077 1	1211 1	1595 1	1417 1	2080 1	1711 1	913.00	
1995	2	01	784.0 1	752.0 1	808.0 1	1368 1	2204 1	1608 1	1147 1	1052 1	1116 1	2041 1	1588 1	1742 1	752.00	
1996	1	01	1465 1	1249 1	1438 1	1127 1	2624 1	1598 1	1608 1	1550 3			*	1309 1	1127.00 3	
1997	1	01	1689 1	1318 1	780.0 8	761.0 1	1100 1	1271	1337 3	916.0	967.0 1	1351 1	1491 1	855.0 1	761.00 3	
1998	1	01	790.0 3	785.0 3		*	1272 1	1511 1	1013 1	1302 3	1935	2010 3	1580	1468 3	785.00 3	
1999	2	01	1611	1724	976.0	1615 1	1414 1	1624 1	1617 1	1963 1	2047 1	2061 1	3355 1	1910 1	976.00	
2000	2	01	1317 3	1337	829.0	1460 1	2163 1	1337 1	1515 1	1205 1	1896 1	1491 3	1446	1222	829.00 3	
2001	2	01	1390	*	979.0	1138 3	1612	1324	1338	1286	1256 3	1360 3	1639	1511	979.00 3	
2002	2	01	1086 1	884.0 1	993.0 1	1051 1	1035 1	1093 1	1429	1310	2008	2043	1367	1237	884.00	
2003	1	01	1108	964.0	1002	860.0	1609 1	1365 1	1060 1	1300 1	1275 1	2523 1	1647 3	1597 3	860.00 3	
2004	1	01	1000	1015	*	1205 1	1989 3	1002	1317	1046 1	2235 1	1553			1000.00 3	
2005	1	01				1406 1	1435 1	1298 1	1607 1	1701 1	1430	2178 3	1407	1298.00 3		
2006	1	01	1441 3	1252	1188	1768	1911	1256 1	1114 3	1188 3	1474 3	1099	1597 3	1605 1	1099.00 3	
2007	1	01	1424	676.7 3	1091 1	1477	1483 1	1609 1	1406 1	1485 1	1838 3	2130 1	1716 1	1536 1	676.70 3	
2008	1	01	1612 1	1056 3	1205	1164	1433	1229 1	1165 1	1538 1	1163 1	1521	1978	1359	1056.00 3	
2009	1	01	1091	1540 3	1245	1563	1278 3	1355	1282 3	1484 3	1299	1902	1597 3	1303 3	1091.00 3	
2010	1	01	828.8	839.2	1073	1093	1763	2019	1748	2008	1545	1850 1	3911 3	1986 3	828.80 3	
2012	1	01	1563 3	1504 3	1570	1508	*	*	*	*	*	*	*	*	1504.00 3	
MEDIOS			1095	988.0	901.5	1125	1462	1299	1202	1260	1464	1698	1815	1358	1305.56	
MAXIMOS			1689	1724	1570	1768	2624	2019	1748	2008	2235	2702	3911	2380	3911.00*	
MINIMOS			335.0	428.0	346.0	266.0	691.0	669.0	529.0	647.0	680.0	900.0	1144	589.0	266.00*	

# ESTACIÓN NAONAMA ASERRIO MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 54057010 NOANAMA ASERRIO

LATITUD 0440 N

TIPO EST LG

DEPTO CHOCO

FECHA-INSTALACION 1975-MAR

LONGITUD 7656 W

ENTIDAD 01 IDEAM

MUNICIPIO MEDIO SAN JUAN

FECHA-SUSPENSION

ELEVACION 0016 m.s.n.m

REGIONAL 09 VALLE-QUINDI

CORRIENTE SAN JUAN

A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1966	4	33	2493 6	2481 6	2498 6	2530 6	2884 6	2568	2730	2354	2360	2530	2510	3000	3000.00
1967	4	33	2307 6	2701 6	2266 6	2284 6	2237 6	2400	1902	2337 6	2140	2649	2973 6	2705	2973.00
1968	4	33	2452	2424	1960	2615	2290	2360	2522	2675	2140	2675	2675	2800	2800.00
1969	4	33	2128	2250	2150	2370	2380	2660	1920	2250	2900	3440	2800	2840	3440.00
1970	4	33	2433 6	2392	2226	2368	2730	2218	2320	2520	2681 6	4035 6	3562 6	3356 6	4035.00
1971	2	01	4234 6	3470	3740	2568	2716	2894	2918	3527	3010	2990	3863	3294	4234.00
1972	2	01	2897 6	1958 6	2423 6	2042	2925	2250	2269 6	2306 6	2890 1	2679 1	2310 1	2127 1	2925.00
1973	2	01	1618 6	1170	1550	2450	2760 1	2777	2505	3304 1	3406 1	3540	3600	3511 6	3600.00
1974	2	01	2655	2505	2903	2105	2450	3035	2585	2050	3035	3540	3315	3720 8	3720.00
1975	2	01	2456	2980	1796	1932	2486	2096	2234	2380	2238	2404	3348 8	2636	3348.00
1976	2	01	2400 1	1798 1	2565 1	2875 1	2279 1	2184 1	1680 1	1342 1	2045 1	2900 1	2915 1	2175 1	2915.00
1977	2	01	1620	2297	2058	2288	2655	2600	2565 6	2570	2675	3027 6	2980	2580	3027.00
1978	2	01	2382 1	1968 1	2660 1	3000 1	2920 1	2274 1	1986 1	2530	2650	3002 6	2650	2615 1	3002.00
1979	2	01	2004 1	2170 1	2056 1	2644 1	2858 6	2453 6	2378 6	2244 6	2953 6	3534 6	3124 1	2878 1	3534.00
1980	2	01	2355 1	2476 1	1759 1	2756 1	2720 1	2670 1	2535 1	2418 1	3026 1	3124 1	3542 1	3341 1	3542.00
1981	2	01	2690 1	2377 1	3399 1	3154 1	2793 1	2521 1	2540 1	2485 1	2395 1	2768 6	3230	3295	3399.00
1982	2	01	1596 6	2442 6	2458 6	2499 1	2422 1	2158 1	1764 1	1379 1	3230	3950	3950 4	2395	3950.00
1983	2	01	2133	1798	2022	2230	3177 4	2521 1	2171 1	1972 1	2192 1	2530 1	2746 1	2565 1	3177.00
1984	2	01	2659 1	2744 1	3126 1	2363 1	2555 1	2663 1	2138 1	2537 1	2468	3623 8	3508 8	2493 1	3623.00
1985	2	01	2340 1	1863 1	2472 1	2241 1	2392 1	2618 1	2313 1	2104 1	3122 1	3108 1	3279 1	2493 1	3279.00
1986	2	01	3040	2600	1958 1	3297 1	2564 1	2335 1	2138 1	2227 1	2753 1	2914 1	2455 1	2258 1	3297.00
1987	2	01	2113 1	2209 1	1941 1	2214 1	2335 1	2023 1	2283	2485	3085	3058	2874 1	2591 1	3085.00
1988	2	01	1773 1	2173 1	1859 1	2485 1	2596 1	2420 1	2959 1	2726 1	3135 1	1872 1	3618 8	3000 1	3618.00
1989	2	01	2573 1	1941 1	1899 1	2209 1	2191 1	2480 1	2087 1	2317 1	2406	2429 1	3117 1	3765 8	3765.00
1990	2	01	2537 1	2155 1	2731	2130 1	2223 1	1832 1	1764 1	2446	2502	3525 8	3117	2950 1	3525.00
1991	2	01	1796 1	1800 1	1800 1	1800 1	2605 1	2762 1	2138	2125	2663 1	2726 1	2411 1	2686 1	2762.00
1992	2	01	2061 1	2663 1	2023 1	1890 1	2905	2905	1890	2641 1	2962	1945 1	2416	2887	2962.00
1993	2	01	2686	2623	2359	2840	2910	2659	2155	2618 1	2510	3261 1	2844 1	2844 1	3261.00
1994	2	01	2209 1	2262 1	2704	2812	3139	2780	2218	2744	2699	3507	3216	2874	3507.00
1995	2	01	1872	2368	2200	2717	3365	2860	2605	2726	2555	3220	3045 1	3189 1	3365.00
1996	1	01	2564 3	2546 3	2844 3	3220 3	3937 3	3058 3	3121 3	2905 3	3883 3	3955 3	3058	2856 1	3955.00 3
1997	1	01	2397 1	2130	2438	2641	2964	2932	1933	1755	2196	2618	2485	1881	2964.00
1998	1	01	2182	2840	2614	2227	3370	3306	3058	3067	2932	3717 8	3850 8	3831 8	3850.00
1999	2	01	3202	2138 9	2510 3	3175	3323	3058	2200	3310	3085	3799 8	3955 8	3566 8	3955.00 3
2000	2	01	3085	3766 3	2905 3	2995 3	2860	2645	3036	2560 3	3126	2991	3072	2650	3766.00 3
2001	2	01	2266	2313	3085 3	2654 3	3175 3	2359 3	2690 3	2860 3	3085 3	3256	3507 8	3438	3507.00 3
2002	2	01	2368 1	2138 1	2096	3314	3045	2125	3265	3480	3103	3085	3009	3716 8	3716.00
2003	1	01	2209 3	2510 3	2510 3	2792 3	2796 1	2623 1	2618 1	2910 1	2784 3	3013 3	3265 3	3729 8	3729.00 3
2004	1	01	3306 3	2117 1	2344 1	2489 1	2645 3	2753 3	2824	3336 1	3370 1	2740 1	2740 1	2344 1	3370.00 3
2005	1	01	2434 1	2524	2515 3	2955 3	2910 3	2618 1	2368 1	2780 3	3058 3	3175	3855 8	3049	3855.00 3
2006	1	01	2896 1	2600	2824	3108	3108 3	2780	2836 3	2780 3	2524	3054 3	3894 3	3265	3894.00 3
2007	1	01	3489 8	2560 3	2663 3	3450 3	2425 3	1967 3	*	2860 3	3279 3	3279 3	3852 3	3399 3	3852.00 3
2008	1	01	2695 3	2560 3	2560	2609 3	2959	2382	2650	2668	2524	2699	3575 3	3942 3	3942.00 3
2009	1	01	2780 1	2848 1	3442 1	2767 1	2046 1	2309 1	2187 1	2392 1	2309 1	2596 1	2564 3	2569 1	3442.00 3
2010	1	01	1845 1	2027 1	2305 1	2254 1	2896 1	2196 1	2600 1	2401 1	2690 1	3455 1	3928 3	3978 3	3978.00 3
2012	1	01	3054 1	*	*	*	*	*	*	*	*	*	*	*	3054.00 3
MEDIOS			2463	2371	2427	2586	2754	2535	2400	2542	2755	3065	3169	2979	2670.50
MAXIMOS			4234	3766	3740	3450	3937	3306	3265	3527	3883	4035	3955	3978	4234.00
MINIMOS			1596	1170	1550	1800	2046	1832	1680	1342	2045	1872	2310	1881	1170.00

# ESTACIÓN NAONAMA ASERRIO MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25				ESTACION : 54057010 NOANAMA ASERRIO																							
LATITUD 0440 N		TIPO EST	LG	DEPTO CHOCO		FECHA-INSTALACION 1975-MAR																					
LONGITUD 7656 W		ENTIDAD	01 IDEAM	MUNICIPIO	MEDIO SAN JUAN	FECHA-SUSPENSION																					
ELEVACION 0016 m.s.n.m		REGIONAL	09 VALLE-QUINDI	CORRIENTE	SAN JUAN																						
A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL												
1966	4	33	654.6	6	593.9	6	588.7	6	652.0	6	940.0	1207	955.0	812.0	756.0	863.0	1036	1051	588.70								
1967	4	33	778.0		774.0		600.0	8	700.0		946.0	920.0	882.0	795.0	762.0	866.0	1631	1054	600.00								
1968	4	33	765.0		600.0		759.0		765.0		830.0	891.0	922.0	792.0	880.0	1319	1080	1006	600.00								
1969	4	33	710.0		450.0		480.0		700.0		820.0	820.0	490.0	530.0	700.0	1080	1100	940.0	450.00								
1970	4	33	790.0		480.0		540.0		1120		1020	900.0	860.0	990.0	1000	1667	6	2038	6	934.0	6	480.00					
1971	2	01	522.0		586.0		480.0		518.0		838.0	823.0	621.0	616.0	1080	652.0	1136	638.0		480.00							
1972	2	01	1029		482.0	6	462.0	6	506.0		534.0	523.0	511.0	607.0	1	729.0	1	698.0	1	901.0	1	508.0	1	462.00			
1973	2	01	203.0		55.00		133.0		306.0		577.0	730.0	738.0	1145	773.0	2028	2555	1193		55.00							
1974	2	01	605.0		755.0		523.0		448.0		939.0	845.0	955.0	615.0	783.0	1407	1300	593.0		448.00							
1975	2	01	558.0		780.0		459.0		662.0		950.0	814.0	1029	1272	1189	1374	1842	1090		459.00							
1976	2	01	786.0	1	506.0	1	435.0	1	378.0	1	629.0	1	731.0	1	485.0	1	514.0	1	601.0	1	807.0	1	763.0	1	684.0	1	378.00
1977	2	01	402.0		358.0		466.0		510.0		1057	808.0	735.0	961.0	705.0	1599	950.0	745.0		358.00							
1978	2	01	478.0	1	518.0	1	440.0	1	1089	1	1072	1	884.0	1	653.0	1	619.0	983.0	1516	8	936.0	1	831.0	1	440.00		
1979	2	01	568.0	1	666.0	1	574.0	1	666.0	1	753.5	6	1010	6	669.9	6	638.5	6	1109	6	1058	8	836.0	1	814.0	1	568.00
1980	2	01	640.0	1	883.0	1	530.0	1	467.0	1	1072	1	866.0	1	692.0	1	904.0	1	1059	1	1466	1	1558	1	1216	1	467.00
1981	2	01	844.0	1	1044	1	783.0	1	835.0	1	1207	1	1040	1	771.0	1	703.0	1	608.0		1847	6	1156	1428		608.00	
1982	2	01	726.1	6	575.3	6	705.6	6	777.0	1	1425	1	732.0	1	703.0	1	558.0	1	806.0		1035	785.0	578.0			558.00	
1983	2	01	475.0		482.0		495.0		517.0		919.0	1	577.0	1	474.0	1	714.0	1	981.0	1	966.0	1	1092	1	1148	1	474.00
1984	2	01	1164	1	1386	1	524.0	1	761.0	1	1021	1	903.0	1	894.0	1	723.0	1	1015		1199	1244	1	1248	1	524.00	
1985	2	01	883.0	1	554.0	1	504.0	1	720.0	1	666.0	1	631.0	1	556.0	1	668.0	1	990.0	1	952.0	1	1089	1	711.0	1	504.00
1986	2	01	925.0		769.0		562.0		696.0		980.0	1	648.0	1	586.0	1	497.0	1	598.0	1	1689	1	1040	1	641.0	1	497.00
1987	2	01	536.0	1	501.0	1	533.0	1	587.0	1	760.0	1	692.0	1	709.0	1	642.0		847.0		1062	962.0	1	758.0	1	501.00	
1988	2	01	553.0	1	507.0	1	477.0	1	536.0	1	979.0	1	1017	1	1006	1	657.0	1	1306	1	771.0	6	1636	6	997.0	1	477.00
1989	2	01	954.0	1	630.0	1	565.0	1	644.0	1	714.0	1	1041	1	765.0	1	790.0	1	940.0	1	1006	1	813.0	1	939.0	1	565.00
1990	2	01	809.0	1	677.0	1	592.0	1	769.0	1	1098	1	620.0	1	663.0	1	676.0	1	811.0		1732	1056	977.0	1		592.00	
1991	2	01	877.0	1	661.0	1	743.0	1	722.0	1	1168	1	906.0	1	713.0	6	597.7	6	698.1	6	713.0	1	977.0	1	914.0	1	597.70
1992	2	01	668.0	1	550.0	1	474.0	1	475.0	1	800.0	1	850.0	609.0	1	912.0	1001	6	778.0	1	824.0		999.0			474.00	
1993	2	01	1013		826.0		748.0		753.0		1086	925.0	773.0	1	720.0	1	1229	1	1143	1	1438	1	930.0	1		720.00	
1994	2	01	674.0	1	658.0	1	704.0		842.0		940.0	1005	757.0	853.0	1129	1114	1729	1	1262		658.00						
1995	2	01	640.5	6	615.7	6	639.0	1	1270		1654	1222	1037	744.0	1	753.0	1	1491		1349	1	1382	1		615.70		
1996	1	01	1131	3	822.0	3	816.0	3	818.0	3	1662	3	984.0	3	989.0	3	1403	3	1407	3	1163	3	1081	1	896.0	1	816.00
1997	1	01	1365	1	1143	1	696.0		733.0		1047	1034	1045	895.0	793.0	1048	1373	741.0		696.00							
1998	1	01	676.0		813.0		886.0		989.0		1517	1086	1110	1359	1305	1033	1701	1300		676.00							
1999	2	01	1379		1412	9	708.0	3	1146		1198	1006	1086	1325	1368	1574	2309	1540		708.00							
2000	2	01	1116		1057	3	678.0	3	1191	3	1391	1033	834.0	776.0	3	1309	1089	1193		853.0		678.00					
2001	2	01	795.0		457.0	8	910.0	3	580.0	3	1061	3	746.0	3	782.0	3	834.0	3	857.0	3	1063		1095	1023	1	457.00	
2002	2	01	831.0	1	592.0	1	529.0		747.0		679.0	634.0	865.0	775.0	1164	725.0	1055	964.0		529.00							
2003	1	01	672.0	3	673.0	3	796.0	3	808.0	3	1195	1	947.0	1	713.0	1	926.0	1	861.0	3	1626	3	1041	3	1069	1	672.00
2004	1	01	778.0	3	761.0	1	675.0	1	635.0	1	1026	3	618.0	3	894.0	647.0	1	905.0	1	1292	1	1435	1	1020	1	618.00	
2005	1	01	1021	1	701.0		876.0	3	986.0	3	919.0	3	932.0	1	864.0	1	1047	3	1255	3	948.0	1	1530		1172		701.00
2006	1	01	1226	1	905.5		711.3		1323		1506	3	841.9	1	678.8	3	745.8	3	762.9		841.9	3	850.5	3	807.8		678.80
2007	1	01	806.1		620.5	3	843.5	3	968.4	3	1218	3	1170	3	*	1019	3	1200	3	1456	3	1335	3	1376	3	620.50	
2008	1	01	1215	3	777.5	3	872.8		747.6	3	932.5	814.3	887.4	1117	737.9	1047	1185	3	1101	3	737.90						
2009	1	01	976.5	1	1110	1	935.8	1	1152	1	827.5	1	786.9	1	863.5	1	1063	1	842.1	1	1436	1	1204	3	943.5	1	786.90
2010	1	01	582.0	1	608.9	1	796.7	1	772.9	1	1385	1	962.0	1	1312	1	1113	1	831.0	1	1642	1	2978	3	1932	3	582.00
2012	1	01	1474	1	*		*		*		*		*		*		*		*		*		*		*		1474.00
MEDIOS			810.3		697.3		627.7		755.3		1021	870.6	798.6	829.1	942.6	1197	1294	998.8		903.56							
MAXIMOS			1474		1412		935.8		1323		1662	1222	1312	1403	1407	2028	2978	1932		2978.00							
MINIMOS			203.0		55.00		133.0		306.0		534.0	523.0	474.0	497.0	598.0	652.0	763.0	508.0		55.00							

# ESTACIÓN SALADO EL MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25		ESTACION : 54027030 SALADO EL													
LATITUD	0452 N	TIPO EST	LG	DEPTO	CHOCO <th>FECHA-INSTALACION</th> <td>1973-AGO</td>	FECHA-INSTALACION	1973-AGO								
LONGITUD	7651 W	ENTIDAD	01 IDEAM	MUNICIPIO	MEDIO SAN JUAN <th>FECHA-SUSPENSION</th> <td></td>	FECHA-SUSPENSION									
ELEVACION	0045 m.s.n.m	REGIONAL	09 VALLE-QUINDI	CORRIENTE	SAN JUAN										
A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1973	2	01										2410 8	2920 8	2920 8	2920.00 3
1974	2	01	2770 8	2770 8	1734	1650	2295 8	2168 8	2038 8	2300 8	2200 8	2624 8	2174 8	3045 8	3045.00
1975	2	01	1627 6	2808 6	2265 6	2221 6	2451 6	2241 6	1858 6	1769 6	2318 6	2630 6	2705 6	2839 6	2839.00
1976	2	01	1722	1930 8	1734	2795 8	1935 1	1642 1	1578 6	1268 8	1865 8	2230	2437 8	1813	2795.00
1977	2	01	1459 1	2170 1	1726 1	1775 1	2583 1	2690	2480	1390	1922	2887 1	2537	2545 6	2887.00
1978	2	01	2121 1	2300 1	2730 1	2708 1	2590 1	2188 1	2007 1	2115 6	2202 6	2508 6	2198 6	2650 8	2730.00
1979	2	01	1800	1888	1981	2881	2860	1737	1737	1691	1416	2300	2650	2133	2881.00
1980	2	01	2494 6	2174 6	1619 6	2391	2430	2300	1957	1988 1	2882 1	2882	2896 1	2279 1	2896.00
1981	2	01	2509 1	2056 1	2818 1	2598 1	2286 1	1935 1	2279 1	2097 1	2170 1	2936	2931	2650	2936.00
1982	2	01	1704 6	2332 6	2201 6	2091 1	2244 1	1852 1	1968 1	1280	2978 6	2850 6	2019	1929 1	2978.00
1983	2	01	1775 1	2176 6	2321 6	1737	2400 6	1922 1	1865	1560	2251	2056 1	2411 1	1839 1	2411.00
1984	2	01	2188 1	2774 1	2828 1	2056 1	2583 1	2164 1	1839 1	2945	2480	2896 1	2702 1	2230 1	2945.00
1985	2	01	2212 1	1547	2867 1	1942 1	2194 1	2759 1	1888 1	2127 1	1865 1	2690	2779 1	2097 1	2867.00
1986	2	01	2663	2194	1630	2950	2050	2365 1	2013 1	2038 1	2590 1	2475 1	2417 1	1807 1	2950.00
1987	2	01	2158 1	2206 1	1655 1	1571	1922	1528	1388 6	2224 1	3108 1	2590 1	2537 1	2460 1	3108.00
1988	2	01	1800 1	2352 1	1800	2669	2230 1	1794 1	2200 1	2788	3186	2509	3033 1	2326 1	3186.00
1989	2	01	2499 1	2320	1894	2430	2333 1	2480	2085	2480	2313 1	2230 1	2750 1	3551 8	3551.00
1990	2	01	3628 8	2164 1	2998 8	2950 1	2121	2333	1649	1649	1709	2913	2850	2480	3628.00
1991	2	01	2010	2639	1679	1980	2466 8	2889 8	1611 1	1986	2158	2558 8	2206	2010 8	2889.00
1992	2	01	1848	3262 8	2206	2004	2225	2000	1804	2264	2129	1788	2047	2515 8	3262.00
1993	2	01	2357 8	2503 8	1848	2289	1919	1998	1488	2010	1662	2994 8	2375 8	2558 8	2994.00
1994	2	01	1692	1582	2366 8	1980	2361 8	1538	1651	2372 8	1806	2799 8	2551 8	2813 8	2813.00
1995	2	01	1738	1582	1646	1934	2399 8	2372 8	2165	1894	2053 1	2505 8	2482 8	2377 8	2505.00
1996	1	01	2262 8	2256 8	2273 8	2488 8	2887 8	1957	1749	2454 8	2216 3	2896 1	2438 3	2477 8	2887.00 3
1997	1	01	2311 8	1867	1749	2136	2355 8	2165	1357	1357	1634	2460 8	2245	1600	2460.00
1998	1	01	1138 3	1867 3	1588 1	2115 1	1526	2384	2517	2312 1	2517	2484 9	2471 3	2551 8	2551.00 3
1999	2	01	2383 8	2920 8	2421 9				1477 9	2477 8	2700 8	2783 8	2876 3	2920 8	2920.00 3
2000	2	01	2484	2592 8	2142	2451 3									2592.00 3
2001	2	01			2390	1685 3	3143 8	1746 3	1808 3	1997 3	2727 8	2933 8	3044 8	2864 8	3143.00 3
2002	2	01	1997	1459	1559	2659 8	2592 8	1399	2390	3072 8	2659 8	1673	1589	2102	3072.00
2003	1	01					2652 3	3016 8	2497 1	2497 1	2544 8	2796 3	3129 8	3143 3	3143.00 3
2004	1	01	2430 3	1820 1	2258 3	2457 3	2457	2477	2146 1	2625 8	2720 8	3030 8	2940 8	2741 8	3030.00 3
2005	1	01	*	*	*	*	1819 3	2233 8	1718 8	2007 8	2668 3	2314 8	2676 3	2513 8	2676.00 3
2006	1	01	2177 1	1931 8	2624 8	2802 8	2898 8	2236 1	2331 3	2068 8	2397 1	2943 8	2368 1	2972 3	2972.00 3
2007	1	01	2419 1	2097 8	2720 8	3017 3	2928 8	1945 1	2742 8	2705 3	2441 3	2728 3	2898 8	2324 3	3017.00 3
2008	1	01	3062 8	2397 1	2419 1	2192 1	2294 1	2119 1	2192 1	2470 1	2243 1	2155 1	2477 3	*	3062.00 3
MEDIOS			2170	2217	2142	2300	2377	2133	1955	2126	2316	2575	2565	2473	2278.93
MAXIMOS			3628	3262	2998	3017	3143	3016	2742	3072	3186	3030	3129	3551	3628.00
MINIMOS			1138	1459	1559	1571	1526	1399	1357	1268	1416	1673	1589	1600	1138.00

# ESTACIÓN SALADO EL MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25		ESTACION : 54027030 SALADO EL										FECHA-INSTALACION 1973-AGO			
LATITUD	0452 N	TIPO EST	LG	DEPTO	CHOCO						FECHA-SUSPENSION				
LONGITUD	7651 W	ENTIDAD	01 IDEAM	MUNICIPIO	MEDIO SAN JUAN										
ELEVACION	0045 m.s.n.m	REGIONAL	09 VALLE-QUINDI	CORRIENTE	SAN JUAN										
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1973	2	01	260.8 6	230.3 6	252.3 6	315.4 6	545.8 6	552.5 6	474.7 6	604.9 6	531.6 6	808.0	848.0	770.0	230.30
1974	2	01	623.0	495.0	482.0	465.0	528.0	533.0	419.0	454.0 1	563.0 1	718.0 1	694.0 1	614.0 1	419.00
1975	2	01	432.3 6	482.3 6	442.3 6	428.3 6	460.3 6	562.1 6	586.1 6	564.1 6	664.0 6	745.9 6	745.9 6	723.9 6	428.30
1976	2	01	483.0	360.0	283.0	201.0	271.0	345.1 8	306.0	298.0	316.0	434.0	370.0	420.0	201.00
1977	2	01	274.0 1	275.0 1	212.0	345.0 1	632.0	489.0	422.0	470.0 1	306.0	575.0 1	532.0	544.6 6	212.00
1978	2	01	290.0	335.0	295.0	339.0	774.0 1	474.0	596.8 6	577.7 6	781.9 6	715.2 6	679.0	555.0	290.00
1979	2	01	263.0	497.5 6	465.2 6	625.0	642.0	654.0	627.0	632.0	634.0	668.0	656.9 6	627.0	263.00
1980	2	01	662.0	697.0	279.0 1	497.0 1	702.0	739.0	491.0 1	702.0 1	661.0 1	730.0	785.0	509.0 1	279.00
1981	2	01	739.0	635.0	478.0	395.0	436.0	379.0	323.0	263.0	404.0	675.9 6	831.2 6	803.0	263.00
1982	2	01	377.5 6	556.8 6	474.1 6	588.0 1	595.0 1	438.0 1	414.0 1	271.0	515.0	356.0	317.0	303.9 6	271.00
1983	2	01	189.0 1	362.4 6	360.4 6	183.0	560.1 6	404.0 1	668.0	650.2 6	689.0	499.0 1	571.0 1	538.0 1	183.00
1984	2	01	613.0 1	887.0 1	315.0 1	475.0 1	691.0 1	558.0 1	485.0 1	718.0 1	753.0	755.0	771.0 1	713.0 1	315.00
1985	2	01	605.0 1	398.0 1	262.0 1	417.0 1	417.0 1	344.0 1	331.0 1	371.0 1	442.0 1	745.0	823.0 1	422.0 1	262.00
1986	2	01	785.0	813.0	346.0 1	763.0	790.0	525.0 1	273.0 1	223.0 1	279.0 1	636.0 1	660.0 1	379.0 1	223.00
1987	2	01	310.0 1	311.0 1	324.0	300.0	444.0	346.0	337.0	399.0 1	480.0 1	516.0 1	565.0 1	485.0 1	300.00
1988	2	01	317.0 1	380.0 1	269.0 1	316.0	607.0 1	529.0 1	378.0	400.0	400.0	808.0	900.0	799.0 1	269.00
1989	2	01	335.0	306.0	330.0	414.0	503.0 1	622.0	343.0	412.0	676.0 1	720.0 1	704.0 1	715.0 1	306.00
1990	2	01	559.0 1	481.0 1	404.0 1	541.0 1	709.0	346.0	365.0	337.0	725.0	823.0	740.0	745.0	337.00
1991	2	01	290.0	188.0	166.0 8	213.0	641.0	575.0	334.0 1	384.0	201.0	226.0	333.0	406.0	166.00
1992	2	01	288.0	192.0 8	208.0	232.0	593.0	253.0 1	572.0	617.0	665.0	570.0	575.0	593.0	192.00
1993	2	01	617.0	648.0	595.0	599.0	659.0	574.0	574.0	577.0	737.0	767.0	1034	728.0	574.00
1994	2	01	541.0	516.0	514.0	514.0	805.0	597.0	502.0	525.0	678.0	868.0	865.0	698.0	502.00
1995	2	01	451.0	422.0	516.0	765.0	934.0	650.0	592.0	338.0 1	285.0 1	808.0	811.0	743.0	285.00
1996	1	01	903.0	683.0	570.0	547.0	678.0	812.0	514.0	492.0	1023 3		669.0 3	492.0	492.00 3
1997	1	01	1052	986.0	534.0	543.0	577.0	827.0	531.0	348.0 8	547.0	652.0	1014	501.0	348.00
1998	1	01	240.0 3	170.0 3	75.00 8	477.0 1	465.0 1	547.0	457.0 1	536.0	519.0	*	801.0 3	906.0 1	75.00 3
1999	2	01	1009 1	1249	*				*	703.0 1	603.0 1	609.0 1	1466 3	898.0	603.00 3
2000	2	01	688.0	479.0	479.0	898.0 3									479.00 3
2001	2	01			546.0	510.0 3	583.0	510.0 3	601.0 3	583.0 3	528.0	528.0	564.0	510.0	510.00 3
2002	2	01	479.0	383.0	343.0	590.0	458.0	458.0	545.0	458.0	523.0	1029	658.0	613.0	343.00
2003	1	01					900.0 3	723.0 1	630.0 1	725.0 1	676.0	546.0 3	566.0	759.0 3	546.00 3
2004	1	01	716.0 3	660.0 1	640.0 3	521.0 3	611.0	564.0	528.0	635.0 1	699.0 1	877.0 1	848.0 1	793.0 1	521.00 3
2005	1	01	*	*	*	*	446.9 3	403.8 8	373.3 8	395.8 8	439.3 3	451.3 8	601.2 3	535.7 8	373.30 3
2006	1	01	562.8 1	419.8 8	400.1 8	543.1 1	612.4 1	376.4 8	343.2 3	387.6 8	407.5 8	478.0 8	533.5 1	554.8 3	343.20 3
2007	1	01	424.4 8	333.8 8	429.2 8	511.5 3	540.4 1	691.3 1	605.2 1	620.3 3	687.6 3	647.8 3	722.9 1	808.9 3	333.80 3
2008	1	01	742.6 1	520.7 1	520.8 1	527.5 1	571.7 1	569.5 1	533.7 1	603.9 1	460.6 8	565.3 1	676.8 3	*	460.60 3
MEDIOS			518.8	495.5	388.2	472.7	599.5	528.6	472.8	493.6	557.1	653.0	712.3	623.7	542.99
MAXIMOS			1052	1249	640.0	898.0	934.0	827.0	668.0	725.0	1023	1029	1466	906.0	1466.00
MINIMOS			189.0	170.0	75.00	183.0	271.0	253.0	273.0	223.0	201.0	226.0	317.0	303.9	75.00

# ESTACIÓN MAMPI MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 54027040 MAMPI

LATITUD 0456 N

TIPO EST LG

DEPTO CHOCO

FECHA-INSTALACION 1973-AGO

LONGITUD 7635 W

ENTIDAD 01 IDEAM

MUNICIPIO NOVITA

FECHA-SUSPENSION

ELEVACION 0060 m.s.n.m

REGIONAL 09 VALLE-QUINDI

CORRIENTE TAMANA

A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *													
1973	2	01									1674	2100	2600	8	1674	2600.00	3											
1974	2	01	1751	6	1894	6	935.0	943.0	1308	6	1688	6	1532	6	614.0	1314	2600	8	1202	6	2003	6	2600.00					
1975	2	01	699.1	6	1785	6	783.5	1	865.3	1	983.6	1	1524	1	967.0	1	1424	1	1174	1	1696	1	2100	1	2060	1	2100.00	
1976	2	01	790.2	8	790.0	1	1513	8	1118	1	777.0	1	1118	1	225.0	1	306.0	1	959.0	1	1216	8	1308	8	667.0	1	1513.00	
1977	2	01	459.0	1	1009	1	777.0	1	790.0	1	1000	1	1017	1	554.0	1	701.0	1	1308	8	2190	8	2325	8	1788	8	2325.00	
1978	2	01	776.8	1	1623	8	983.6	1	2700	8	715.0	1	479.6	1	614.0	1	1000	1	722.0	1	3113	6	1042	1	1331	8	3113.00	
1979	2	01	596.8	1	576.0	1	940.0	1	1305	1	655.8	8	714.0	1	467.0	1	493.0	1	1095	1	1292	1	1950	8	1148	1	1950.00	
1980	2	01	538.0	1	893.0	1	845.0	1	987.0	1	1155	1	565.0	1	629.0	1	341.0	1	1191	1	2270	8	1732	1	1840	8	2270.00	
1981	2	01	1118	1	520.0	1	887.0	1	1071	1	516.0	1	507.0	1	618.0	1	463.0	1	565.0	1	1017	1	1509	8	961.0	1	1509.00	
1982	2	01	663.4	1	658.1	1	466.0	1	725.0	8	961.0	1	371.0	1	308.8	1	214.6	1	530.0	1	863.0	1	674.0	8	893.0	1	961.00	
1983	2	01	961.0	1	344.0	1	474.0	1	1305	1	725.0	1	498.0	1	306.0	1	350.0	1	749.0	1	887.0	1	1377	1	1630	1	1630.00	
1984	2	01	663.0	1	1170	1	553.0	1	1103	1	1565	1	1017	1	575.0	1	530.0	1	584.0	1	1685	1	1923	1	621.0	1	1923.00	
1985	2	01	785.0	1	566.0	1	1377	1	432.0	1	544.0	1	919.0	1	502.0	1	919.0	1	1377	1	1377	1	1377	1	933.0	1	1377.00	3
1986	2	01	1170	1	621.0	1	436.0	1	940.0	1	2039	1	350.0	1	323.0	1	203.0	1	1675	1	1460	1	403.0	1	2039.00	3		
1987	2	01	336.0	1	1163	1	548.0	1	562.0	1	490.0	1	490.0	1	905.0	1	1035	1	1035	1	2235	8	1864	1	2235.00	3		
1988	2	01	879.0	1	1525	8	486.0	1	980.0	8	1166	8	436.0	1	513.0	1	824.0	1	620.0	1	1212	8	1634	8	894.0	1	1634.00	
1989	2	01	1278	8	711.0	1	641.0	1	748.0	1	686.0	1	1061	8	459.0	1	483.0	1	452.0	1	1545	8	1594	8	1151	8	1594.00	
1990	2	01	980.0	1	517.0	1	1101	8	1015	8	513.0	8	388.0	1	339.0	1	339.0	1	1486	8	1486	8	1131	8	1323	8	1486.00	
1991	2	01	899.0	1	1466	8	1101	8	391.0	1	1283	8	1020	8	452.0	1	368.0	8	707.0	1	517.0	1	513.0	1	1020	8	1466.00	
1992	2	01	394.0	1	500.0	1	283.0	8	472.0	1	486.0	1	442.0	1	283.0	1	479.0	1	1010	8	1212	8	517.0	1	1182	8	1212.00	
1993	2	01	517.0	1	1161	8	517.0	1	670.0	1	1081	8	632.0	1	486.0	1	707.0	1	824.0	1	1303	8	1643	8	799.0	1	1643.00	
1994	2	01	513.0	1	483.0	1	720.0	1	570.0	1	388.0	1	506.0	1	603.0	1	388.0	1	513.0	1	2726	8	1520	8	970.0	1	2726.00	
1995	2	01	426.0	1	768.0	1	520.0	1	1151	8	1273	8	1101	8	394.0	1	678.0	1	410.0	1	980.0	8	1643	8	1262	8	1643.00	
1996	1	01	1232	8	748.0	1	1445	8	1081	8	1941	8	980.0	1	517.0	1	513.0	1	513.0	1	513.0	1	2903	8	778.0	1	2903.00	
1997	1	01	1755	8	621.0	8	450.0	8	450.0	8	450.0	8	963.0	8	298.0	8	383.0	8	707.0	8	581.0	8	1027	8	412.0	8	1755.00	
1998	1	01	210.0	8	952.0	8	1295	8	726.0	8	1113	8	736.0	8	963.0	8	647.0	8	697.0	8	1474	8	1474	8	1660	8	1660.00	
1999	2	01	1237	8	1166	8	960.0	1	1756	8	1430	8	733.0	1	479.0	1	1594	8	824.0	1	1575	8	1812	8	1405	8	1812.00	
2000	2	01	828.0	8	1230	8	634.0	8	1108	8	925.0	8	862.0	8	789.0	8	780.0	8	1391	8	789.0	8	789.0	8	799.0	8	1391.00	
2001	2	01	502.0	8	564.0	8	804.0	8	546.0	8	1307	8	480.0	8	746.0	8	383.0	8	1586	8	2278	8	1355	8	1673	8	2278.00	
2002	2	01	843.0	8	524.0	8	295.0	8	1713	8	814.0	8	400.0	8	669.0	8	210.0	3									1713.00	3
2003	1	01							1289	3	1194	8	1892	8	375.0	8	915.0	8	1081	8	2232	3	*				2232.00	3
2004	1	01	2010	1	290.0	8	862.0	3	1059	8	941.0	8	881.0	8	958.0	8	799.0	8	608.0	8	828.0	3	537.0	8	634.0	3	2010.00	3
2005	1	01	872.0	8	1367	8	1011	8	1224	8	1319	8	744.0	1	468.0	1	588.0	1	628.0	3	964.0	3	1902	8	678.0	1	1902.00	3
2006	1	01	990.1	1	488.0	1	415.5	1	1249	8	624.0	1	365.8	1	596.0	1	464.0	3	973.0	3	*		*		1227	8	1249.00	3
2007	1	01	777.8	1	423.9	3	*	1	831.8	1	*	1	540.0	3	394.8	1	*		*		1892	8	1344	8	981.5	1	1892.00	3
2008	1	01	831.8	1	411.4	3	588.0	1	752.8	1	794.4	1	811.0	3	765.3	1	827.7	1	657.1	1	1029	1	1622	3	1575	8	1622.00	3
2009	1	01	831.8	1	794.4	1	*	1	930.2	1	1003	1	1200	8	798.6	1	904.5	1	790.2	1	1421	8	1099	8	895.9	1	1421.00	3
2010	1	01	584.0	1	744.5	1	1029	1	1068	8	1481	8	866.0	1	921.6	1	917.3	1	1090	8	1813	8	1818	8	1813	8	1818.00	
2012	1	01	943.0	1	806.9	1	891.6	1	1085	8	*		*		*		*		*		*		*		*		1085.00	3
MEDIOS			855.2		853.1		805.2		984.0		994.8		776.3		623.7		614.3		913.6		1445		1528		1193		965.48	
MAXIMOS			2010		1894		1513		2700		2039		1688		1892		1594		1675		3113		2903		2060		3113.00	
MINIMOS			210.0		290.0		283.0		391.0		388.0		350.0		225.0		203.0		410.0		513.0		513.0		403.0		203.00	

# ESTACIÓN MAMPI MÍNIMOS

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

FECHA DE PROCESO : 2015/02/25

ESTACION : 54027040 MAMPI

LATITUD 0456 N

TIPO EST 01

LG

DEPTO CHOCO

FECHA-INSTALACION 1973-AGO

LONGITUD 7635 W

ENTIDAD 01 IDEAM

MUNICIPIO NOVITA

FECHA-SUSPENSION

ELEVACION 0060 m.s.n.m

REGIONAL 09 VALLE-QUINDI

CORRIENTE TAMANA

*****																
A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR	ANUAL
*****																
1973	2	01										165.0	112.0 8	208.0	154.7 8	112.00 3
1974	2	01	169.4 6	155.4 6	96.00 8	98.40 8	99.30 8	110.2 8	104.1 8	99.30 8	97.50 8	216.0	177.2 6	168.4 6		96.00
1975	2	01	148.5 6	153.9 6	142.1 6	149.8 1	179.0 1	170.2 1	186.8 1	198.6 1	232.8 1	233.7 1	290.8 1	227.0 1		142.10
1976	2	01	168.0 1	120.0 1	93.00	84.00	118.0 1	117.0 1	80.00 1	81.00 1	87.00 1	149.0 1	128.0 1	121.0 1		80.00
1977	2	01	81.00 1	88.00 1	82.00 1	88.00 1	148.0 1	128.0	96.00	117.0	94.00 1	204.0	171.0 1	117.0 1		81.00
1978	2	01	89.70 1	90.30 1	82.70 8	148.0	135.5	129.4	93.00	78.00	75.40	138.0	209.1	132.9		75.40
1979	2	01	131.3 8	163.0 1	169.0 1	166.0	156.0	184.0	139.0	141.0	191.0	162.0	225.0 1	207.0		131.30
1980	2	01	167.0	191.0	137.0	142.0	193.0	174.0	142.0	149.0	180.0	229.0	257.0	227.0		137.00
1981	2	01	169.0	199.0	198.0	169.0	235.0	146.0	148.0	140.0	132.0	171.0	262.0	174.0		132.00
1982	2	01	188.6	215.0	156.5	161.6	237.1	174.1	156.2	151.2	153.8	207.6	178.7	165.9		151.20
1983	2	01	157.0	146.0	147.0	170.0	190.0	157.0	147.0	153.0	168.0 1	167.0 1	193.0 1	170.0		146.00
1984	2	01	202.0	192.0	156.0 1	170.0 1	210.0 1	204.0	176.0	171.0	185.0	209.0	233.0	215.0		156.00
1985	2	01	196.0	157.0	155.7	179.8	181.6	160.7	154.2	158.7		159.5	301.8	171.7		154.20 3
1986	2	01	145.0 1	174.0	144.0	140.0	162.0	126.0	102.0	117.0	197.0	281.9 6		124.0		102.00 3
1987	2	01	113.0		287.4	162.8	144.0	123.3		165.5	200.1	187.0	119.3 8	165.6 1		113.00 3
1988	2	01	130.0 8	226.0	85.00 8	93.00 8	146.0	151.0	125.0 8	178.0 1	180.0 1	179.0 8	295.0	226.0		85.00
1989	2	01	340.5 1	156.7	106.6 8	108.5 8	153.1 1	223.4 1	129.8 8	154.8	144.5 8	154.8 1	142.1 8	170.0		106.60
1990	2	01	143.0	129.0 8	119.0 8	135.0 8	135.0 8	87.00 8	101.0 8	98.00 8	137.0 8	265.0	77.00 8	184.0 1		77.00
1991	2	01	115.3 8	117.0 8	132.5 8	133.3 8	132.5 8	151.3 1	113.8 8	90.90 8	81.20 8	87.40 8	126.0 8	144.8 8		81.20
1992	2	01	109.0 8	105.0 8	98.00 8	106.0 8	134.0 8	106.0 8	98.00 8	106.0 8	145.0 8	148.0 8	145.0 8	139.0 8		98.00
1993	2	01	120.0 8	178.0	114.0 8	151.0 1	200.0 1	118.0 8	117.0 8	96.00 8	146.0 8	187.0 1	287.0	159.0		96.00
1994	2	01	136.0	116.0 8	190.0 1	142.0 1	154.0	135.0	132.0 1	119.0 8	157.0	257.0	257.0	230.0		116.00
1995	2	01	107.9 8	103.6 8	132.9	203.6 1	261.7 1	258.1 1	147.5 8	147.6 1	77.20 8	308.0 8	316.9 1	305.8 1		77.20
1996	1	01	305.0 1	212.0 1	253.0 1	233.0 1	276.0 1	186.0	161.0	113.0	214.0	355.0	287.0 1	225.0 1		113.00
1997	1	01	275.9 8	201.6 8	134.7 8	96.40 8	120.8 8	175.1 8	83.50 8	81.40 8	111.0 8	151.1 8	190.4 8	96.70 8		81.40
1998	1	01	85.60 8	89.20 8	95.20 8	138.2 8	137.2 8	141.6 8	130.6 8	131.7 8	195.7 8	178.2 8	278.5 8	220.4 8		85.60
1999	2	01	265.0	274.0	228.0	219.0	197.0	257.0	205.0	211.0	245.0	273.0	384.0	264.0		197.00
2000	2	01	258.0	251.0	218.0	279.0	296.0	287.0	218.0	181.0	260.0	223.0	292.0	268.0		181.00
2001	2	01	151.0 8	114.0 8	181.0 8	147.0 8	223.0 8	159.0 8	155.0 8	129.0 8	146.0 8	227.0 8	268.0 8	225.0 8		114.00
2002	2	01	227.0	199.0	180.0	176.0	280.0	204.0	241.0	173.0 3						173.00 3
2003	1	01					239.0 3	213.0 8	174.0 8	167.0 8	176.0 8	248.0 8	200.0 3	*		167.00 3
2004	1	01	190.0 8	179.0 8	192.0 3	212.0 8	254.0 8	175.0 8	232.0 8	162.0 8	223.0 8	289.0 3	252.0 8	196.0 3		162.00 3
2005	1	01	211.0 8	197.0 8	194.0 8	167.0 8	164.0	163.0	141.0	154.0	72.00 3	218.0 3	249.0	216.0		72.00 3
2006	1	01	174.0	160.2	191.7	187.0	215.5	132.4 1	129.4 1	134.7 3	141.7 3	*	*	169.4		129.40 3
2007	1	01	155.9	144.9 3	*	184.6	*	186.4 3	156.8	*	*	223.1 1	258.3 1	232.3		144.90 3
2008	1	01	189.3	158.5 3	197.5 1	195.0 1	195.2	188.4 3	157.2 1	160.4 1	149.6 1	195.0 1	245.8 3	235.3		149.60 3
2009	1	01	195.2	175.6	*	210.1 1	202.4 1	199.5 1	174.1 1	182.4 1	186.7 1	213.3 1	246.9 1	212.7 1		174.10 3
2010	1	01	180.1 1	165.3 1	181.2 1	207.0 1	293.3 1	245.8 1	276.7 1	275.6 1	221.7 1	293.1 1	572.0 1	488.8 1		165.30
2012	1	01	316.2 1	183.1 1	183.3 1	274.5 1	*	*	*	*	*	*	*	*		183.10 3
MEDIOS			175.8	163.3	155.8	162.9	188.8	168.8	147.9	143.5	159.1	208.3	237.8	198.6		175.91
MAXIMOS			340.5	274.0	287.4	279.0	296.0	287.0	276.7	275.6	260.0	355.0	572.0	488.8		572.00
MINIMOS			81.00	88.00	82.00	84.00	99.30	87.00	80.00	78.00	72.00	87.40	77.00	96.70		72.00

# ESTACIÓN ITSMINA AUTOMATICO MÁXIMOS

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

FECHA DE PROCESO : 2015/02/25

ESTACION : 54017030 ITSMINA AUTOMATICA

LATITUD 0509 N

TIPO EST

LG

DEPTO CHOCO

FECHA-INSTALACION 1973-JUL

LONGITUD 7640 W

ENTIDAD 01 IDEAM

MUNICIPIO ITSMINA

FECHA-SUSPENSION

ELEVACION 0090 m.s.n.m

REGIONAL 09 VALLE-QUINDI

CORRIENTE SAN JUAN

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A#O EST ENT ENERO \* FEBRE \* MARZO \* ABRIL \* MAYO \* JUNIO \* JULIO \* AGOST \* SEPTI \* OCTUB \* NOVIE \* DICIE \* VR ANUAL \*  
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1973	2	01								1400	1400	1920	8	4148	6	3068	6	4148.00	3								
1974	2	01	1200	1050	1150	2092	6	1971	6	2271	6	684.0	2040	8	2820	8	2004	6	1642	6	2699	6	2820.00				
1975	2	01	536.0	8	2820	8	1195	1	1360	1	1836	8	1734	8	2220	8	914.0	1	1956	8	2136	8	2542	6	2556	6	2820.00
1976	2	01	1356	1	834.0	1	1422	1	1900	8	1164	1	1367	1	2118	8	646.0	1	2070	8	1309	1	1285	1	1214	1	2118.00
1977	2	01	944.0	1	688.0	1	895.0	1	889.0	1	2164	6	1554	8	1367	1	1488	8	1274	1	2454	6	1932	6	1961	6	2454.00
1978	2	01	1025	1	1668	1	1249	1	2733	8	1516	1	1762	1	1046	1	959.0	1	1311	1553	1973	1352	1	2733.00			
1979	2	01	695.0	1	1431	1	730.0	1	1914	1	2154	8	992.0	1534	1166	1589	1658	1896	8	2010	8	2154.00					
1980	2	01	1264	1	1096	1	1300	1	1878	1	1748	1	1600	1	1442	1	1218	1	1660	1	2110	1	1704	1	1671	1	2110.00
1981	2	01	1866	1	1642	1	1836	1	1564	1	1998	1	1508	1	1072	1	1096	1	2070	1	1475	1830	1630	2070.00			
1982	2	01	1890	6	1476	6	1048	6	2070	1	1950	1	1049	1	950.0	1	735.0	1	1770	1	2155	1153	1330	2155.00			
1983	2	01	1360	1	994.0	1	1324	1	1120	1	1726	1	785.0	1	1252	1	1420	1	1108	1	1715	1120	1397	6	1726.00		
1984	2	01	955.0	8	2070	1005	829.0	755.0	1066	1408	1196	675.0	1420	1420	1600	2070.00											
1985	2	01	1950	1185	2250	1348	1	1453	1	1748	1	1240	1	1288	1	999.9	6	2029	6	1475	6	1185	1	2250.00			
1986	2	01	2440	8	715.0	1060	1	1688	1	1770	1	1759	1	1715	1	645.0	1	1108	1	1902	1	1488	1005	1	2440.00		
1987	2	01	1033	1	835.0	1	645.0	1	735.0	928.0	444.0	923.0	1660	1	1866	1	2410	8	2260	1	518.0	2410.00					
1988	2	01	518.0	225.0	628.0	1818	1044	518.0	1482	1660	1968	1	1968	1	1527	1120	1968.00										
1989	2	01	555.0	760.0	309.0	835.0	1437	1600	770.0	1191	1431	1	1146	1	1782	1	3084	8	3084.00								
1990	2	01	429.0	395.0	2370	8	1049	1	1072	292.0	225.0	186.0	2022	1	2010	1300	1890	2370.00									
1991	2	01	1240	1	2265	1	605.0	1	1090	1	2070	1	2200	1	1072	1	983.0	1	1854	1	884.0	1	1980	1	1312	2265.00	
1992	2	01	1360	1	1300	1374	6	1360	1	1998	1	1431	1	1016	1	2590	8	1950	1246	1	1240	1	1759	1	2590.00		
1993	2	01	1671	1	1360	1	928.0	1	1600	1	2080	1	1384	1	1600	1501	1	1366	1	2650	8	2070	1	1196	1	2650.00	
1994	2	01	1047	1	800.0	1112	1	1031	1	1499	8	608.0	1	891.0	1	1631	1	1678	2296	1	1725	1	1259	1	2296.00		
1995	2	01	933.0	726.0	1132	2100	1	2169	1	1309	1	726.0	1499	982.0	1675	1675	952.0	2169.00									
1996	1	01	1112	8	1185	8	1177	3	1152	8	1185.00																
1997	1	01	1765	8	1031	8	914.0	8	1317	8	1104	8	1112	3	1059	8	1031	8	1031	8	1444	8	952.0	8	782.0	1765.00	
1998	1	01	615.0	1554	8	578.0	1276	8	1675	8	1305	3	1510	8	1392	8	1444	8	1499	8	1521	8	1571	8	1675.00		
1999	2	01	1063	9	708.0	9	511.0	9	1510	8	2150	8	1936	8	1830	8	1918	8	2150.00								
2002	2	01	800.0	9	800.00																						
2003	1	01	1545	3	1634	8	1249	8	1074	8	1249	3	1333	8	1689	8	1850	8	1850.00								
2004	1	01	1066	8	586.0	2018	8	800.0	1170	8	1316	8	1532	8	1257	8	1684	8	1703	8	2018.00						
2005	1	01	1989	3	1563	8	1054	8	764.0	3	1324	3	1712	8	1888	8	1358	3	1989.00								
2006	1	01	1444	3	1795	3	1324	8	2450	8	1090	3	1316	3	1211	8	1138	8	1278	8	1763	8	1822	8	2119	8	2450.00
2007	1	01	906.4	8	450.0	1134	8	1453	8	1675	8	1440	8	1224	3	1717	8	1563	3	1703	8	1371	3	1611	8	1717.00	
2008	1	01	1786	8	1337	8	959.6	3	929.2	3	929.2	3	*	699.2	3	1763	3	1232	3	*	1860	3	1541	3	1860.00		
2009	1	01	1730	3	670.4	3	1643	3	1409	3	670.4	3	1767	3	838.0	3	1333	3	944.4	8	1666	3	1333	3	1444	8	1767.00
2010	1	01	1497	8	1240	8	1607	8	2080	8	1634	8	1501	8	986.2	8	1345	8	1379	8	1466	8	1927	8	1888	8	2080.00
2012	1	01	1956	3	959.6	8	1514	3	1497	8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1956.00		
MEDIOS			1236	1147	1202	1491	1562	1353	1170	1278	1535	1768	1722	1618	1423.42												
MAXIMOS			2440	2820	2370	2733	2169	2271	2220	2590	2820	2650	4148	3084	4148.00												
MINIMOS			429.0	225.0	309.0	735.0	670.4	292.0	225.0	186.0	675.0	884.0	952.0	518.0	186.00												



# ESTACIÓN TADO AUTOMÁTICA MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 54017040 TADO AUTOMÁTICA

LATITUD 0515 N

TIPO EST

DEPTO CHOCO

FECHA-INSTALACION 1973-AGO

LONGITUD 7633 W

ENTIDAD 01 IDEAM

MUNICIPIO TADO

FECHA-SUSPENSION

ELEVACION 0100 m.s.n.m

REGIONAL 09 VALLE-QUINDI

CORRIENTE SAN JUAN

A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1977	2	01	1003 1	538.0 1	733.0 1	863.0 1	2115 1	1369 1	1011 1	1314 1	1045 1	1710 1	1630 1	1273 1	2115.00
1978	2	01	999.0 1	1630 1	1028	1893	1180	1664 1	931.0 1	1041 1	765.0 1	1101	1704 1	1293 1	1893.00
1979	2	01	765.0 1	1402 1	765.0 1	1475 1	2115	2083 1	1314 1	1135 1	1431 1	1521 1	1641 1	1752 1	2115.00
1980	2	01	1303	893.0	1475 1	1607 1	1504 1	1007 1	918.0 1	855.0 1	1630 1	1854 1	1527 1	1570 1	1854.00
1981	2	01	1873 1	1932 1	1770 1	1180	1981 1	1413 1	944.0 1	1175 1	2115	986.0	1155	1475 1	2115.00
1982	2	01	1360 1	823.0	356.0	1650	980.0	650.0	980.0	313.0	1536 1	1464 1	1480 1	973.0	1650.00
1983	1	01	1360	578.0	1145	938.0	730.0	570.0	815.0	819.0	895.0	1320	980.0	855.0	1360.00
1984	1	01	904.0	2060 8	453.0	1605	773.0	790.0	1298	980.0	730.0	1271	1400	969.0	2060.00
1985	1	01	1064	730.0	855.0	895.0	546.0	1452	264.0	855.0	522.0	1512 1	979.0 1	1332 1	1512.00
1986	1	01	1678 1	815.0	570.0	950.0	895.0	1307 1	1372	479.0	942.0 1	1605 1	1428 1	971.0 1	1678.00
1987	1	01	760.0	638.0	438.0 1	674.0 1	942.0 1	929.0	606.0	1019 1	1460 1	1900 8	1556 1	1528 1	1900.00
1988	2	01	889.4 6	946.0	313.0	976.0	578.0	570.0	815.0	1520 1	1605 1	1720 1	1981 8	1432 1	1981.00
1990	2	01	967.0 1	1415 1	2045 8	933.0 1	728.0 1	680.0	386.0 1	560.0 1	1376 1	1359	744.0	1730 8	2045.00
1991	2	01	1415 1	989.0	855.0	460.0	1820 8	1191	1584 8	744.0 1	1370 1	855.0 1	1550 8	1342 1	1820.00
1992	2	01	656.0 8	914.0 8	1059 8	914.0 8	1168 8	954.0 8	785.0 8	1257 8	1029 8	821.0 8	884.0 8	901.0 8	1257.00
1993	2	01	794.0 8	645.0 8	562.0 8	932.0 8	833.0 8	833.0 8	850.0 8	904.0 8	896.0 8	1560 8	1438 8	785.0 8	1560.00
1994	2	01	1212 8	686.0 8	706.0 8	757.0 8	700.0 8	700.0 8	717.0 8	483.0 8	757.0 8	1560 8	1183 8	984.0 8	1560.00
1995	2	01	483.0 8	672.0 8	672.0 8	1435 8	1368 8	797.0 8	483.0 8	1174 8	771.0 8	1014 8	1080 8	762.0 8	1435.00
1996	1	01	806.0 8	999.0 8	1017 8	1424 8	1491 8	1114 8	672.0 8	845.0 8	549.0	1145 8	1621 8	601.0 8	1621.00
1997	1	01	1071 8	809.0 8	683.0 8	815.0 8	757.0 8	1053 8	415.0	645.0 8	618.0 8	901.0 8	963.0 8	354.0	1071.00
1998	1	01	389.0	1023 8	385.0 1	881.0 8	742.0 8	845.0 8	1281 8	1096 8	1047 8	744.0 8	1173 8	1504 8	1504.00
1999	2	01	1111 8	1627 8	901.0 8	1530 8	645.0 8	757.0 8	748.0 8	1180 8	1627 8	1627 8	1627 8	1627 8	1627.00
2000	2	01	1321 8	1456 8	597.0 8	1085 8	844.0 8	614.0 8	808.0 8	737.0 8	1029 8	701.0 8	917.0 8	808.0 8	1456.00
2001	2	01	701.0 8	737.0 8	991.0 8	684.0 8	1696 8	348.0	528.0	954.0 8	917.0 8	1616 8	1416 8	1656 8	1696.00
2002	2	01	528.0	917.0 8	583.0 8	1181 8	844.0 8	562.0	954.0 8	844.0 8	991.0 8	1376 8	631.0 8	1376 8	1376.00
2003	1	01	631.0 8	494.0	1337 8	631.0 8	1112 8	1215 8	895.0 8	928.0 8	1258 8	1580 8	1496 8	1456 8	1580.00
2004	1	01	1580 8	362.0	1165 8	837.0 8	1196 8	1297 8	1066 8	991.0 8	1440 8	1258 8	1576 8	917.0 8	1580.00
2005	1	01	737.0 8	652.0 8	701.0 8	866.0 8	1776 8	1430 8	898.0 1	736.0	736.0	1566 8	1640 8	1147 8	1776.00
2006	1	01	1319 8	1676 8	1140 8	1113 3	1579 8	1186 8	1032 1	875.6 1	1082 8	1430 8	1701 8	1709 8	1709.00 3
2007	1	01	928.8 1	890.8 1	1016 1	1546 8	1485 8	1124 3	1280 8	1469 8	1284 8	1457 8	1280 8	1182 8	1546.00 3
2008	1	01	1631 8	1163 8	1143 8	837.6 1	1514 8	1082 8	898.4 1	1264 3	1245 8	890.8 1	1841 3	1272 8	1841.00 3
2009	1	01	773.0	623.0	1272 8	623.0	811.0	735.5	1272 8	773.0	1510 8	1059 1	1155 8	1001	1510.00
2010	1	01	811.0	982.0	604.3	849.0	1272 8	1249 3	776.8 3	811.0	887.0 3	1109 8	1603 3	1097 3	1603.00 3
MEDIOS			1025	991.4	888.9	1062	1173	1017	896.9	932.6	1124	1321	1363	1201	1083.03
MAXIMOS			1873	2060	2045	1893	2115	2083	1584	1520	2115	1900	1981	1752	2115.00
MINIMOS			389.0	362.0	313.0	460.0	546.0	348.0	264.0	313.0	522.0	701.0	631.0	354.0	264.00 3



# ESTACIÓN AGUASAL MÁXIMOS

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

NACIONAL AMBIENTAL

FECHA DE PROCESO : 2015/02/25

ESTACION : 11017010 AGUASAL

LATITUD 0528 N

TIPO EST LM

DEPTO CHOCO

FECHA-INSTALACION 1976-MAY

LONGITUD 7632 W

ENTIDAD 01 IDEAM

MUNICIPIO LLORO

FECHA-SUSPENSION

ELEVACION 75 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE ANDAGUEDA

*****															
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
*****															
1976	2	01	1471 6	1510 6	3852 6	1750 6	2571 6	718.3 6	649.7 6	1175 6	620.3 6	3135 6	2619 6	2425 6	3852.00
1977	2	01	581.5	460.0 8	542.0	421.0	869.0 8	610.0	729.0	729.0 8	1009 8	785.0 8	729.8	729.0 8	1009.00
1978	2	01	312.5	299.0	729.0 8	1009 8	785.0 8	841.0 8	460.0	1009 8	953.0 8	1065 8	911.0 8	740.2 8	1065.00
1979	2	01	284.0	217.2	620.0	735.0 8	735.0 8	602.5	394.0	966.0 8	752.0 8	1009 8	751.4 8	584.2	1009.00
1980	2	01	581.5	460.0	217.2	729.0	635.0 6	620.0 6	537.0 6	518.0 6	553.0 6	776.0 6	609.0 6	647.0 6	776.00
1981	2	01	530.0 6	588.0 6	642.0 6	595.0 1	701.0 1	610.0 1	487.0 1	662.8 1	556.0 6	576.0 6	822.0 6	620.0 1	822.00
1982	2	01	717.8 1	537.0 6	582.0 6	479.0 6	617.0 6	582.0 6	620.0 6	566.0 6	970.0 6	1082 8	589.6 6	527.0 6	1082.00
1983	2	01	230.0 6	163.0 6	364.0 6	480.0 6	595.0 6	620.0 6	582.0 6	553.0 6	434.0 6	846.0 8	408.0 6	855.0 8	855.00
1984	2	01	382.8	434.0	536.4 1	780.0 8	745.1 8	795.6 8	953.0 8	747.4 8	630.4 1	1043 8	1322 8	752.0 8	1322.00
1985	2	01	860.0 8	733.6 8	821.6 8	646.0 1	620.0 1	906.8 8	668.4	640.8 1	684.8 1	701.0	1167 8	674.0 1	1167.00
1986	2	01	843.2 3	470.8 1	630.4	865.2 3	428.8	648.8 1	873.0 3	880.8 3	846.0 8	886.0 8	584.2	423.6 6	886.00 3
1987	2	01	348.4	377.4	522.4	568.0	584.2	803.4 3	860.0 8	880.8 3	906.8 3	811.2 8	780.0 8	752.0 3	906.80 3
1988	2	01	595.0	780.0 8	188.4	695.6	668.4	610.0	837.6 8	837.6 8	701.0 3	701.0	793.0 3	610.0	837.60 3
1989	2	01	620.0 1	380.0	906.8 8	701.0 3	800.8 8	717.8 3	717.8	674.0	742.8 8	731.3 8	865.2 3	646.0 3	906.80 3
1990	2	01	729.0 1	444.0 1	1230 8	908.0 8	801.0 8	752.0 8	801.0 8	940.0 3	940.0 8	1501 8	854.0 8	785.0 3	1501.00 3
1991	2	01	975.0 8	701.0	860.0 8	975.0 8	962.0 8	660.0 1	424.0 1	701.0	1205 8	1137 8	849.0 8	846.0 8	1205.00
1992	2	01	984.0 8	953.0 8	1106 8	712.0	780.0 8	811.0 8	1066 8	1171 8	718.0	718.0	752.0 8	718.0	1171.00
1993	2	01	674.0	620.0	718.0	690.0	718.0	690.0	690.0	718.0	718.0	718.0	1160 8	646.0	1160.00
1994	2	01	712.0	444.0	620.0	752.0 8	886.0 8	886.0 8	949.0 8	902.0 8	769.0 8	1529 8	962.0 8	819.0 8	1529.00
1995	2	01	568.0	606.0	615.0	1013 8	1060 8	953.0 8	545.0	568.0	850.0 8	697.0 8	1176 8	794.0 8	1176.00
1996	2	01	1013 8	978.0 8	1046 8	780.0 8	850.0 8	1060 8	697.0 8	1268 8	803.0 8	1013 8	1329 8	798.0 8	1329.00
1997	2	01	897.0 8	1083 8	541.0	1036 8	601.0	721.0 8	723.0 8	662.0 8	662.0 8	751.0 8	1034 8	619.0	1083.00
1998	2	01	524.7	965.7 8	429.0	940.7 8	965.7 8	953.2 8	899.1 8	951.1 8	947.0 8	890.8 8	940.7 8	963.6 8	965.70
1999	2	01	955.3	965.7	965.7	890.8	807.6	664.1	335.4	381.2	703.6	739.0	944.9	949.0	965.70
2000	2	01	531.2	487.2	425.5	661.4 8	923.6 8	619.2	577.4	452.0	619.2	641.2	928.2 8	900.8 8	928.20
2001	1	01	441.0 8	337.9 3	1159 8	768.6 8	1120 8	953.2 8	1248 8	732.1 8	962.4 8	800.5 8	800.5 8	641.2 8	1248.00 3
2002	2	01	866.6 8	535.6	827.8 8	709.3 8	782.2 8	782.2 8	821.0 8	766.3 8	729.8 8	713.8 8	713.8 8	691.0 8	866.60
2003	2	01	264.0	474.0	470.0	324.0	481.0	514.0	518.0	507.0	498.0	492.0	1038 8	999.0 8	1038.00
2004	2	01	267.8 3	288.4 3	467.4 8	469.6 8	485.0 8	476.2 8	507.0 8	681.9 8	684.2 8	478.4 8	382.8 8	261.6	684.20 3
2005	1	01	257.5	267.8	269.9	542.2 8	827.8 8	652.3 8	430.0 8	280.2 1	770.8 8	595.0 8	498.2 8	294.6	827.80
2006	1	01	329.7	465.2 8	249.3	257.5	247.2	418.8 8	405.3 8	290.5	267.8	271.9	681.9 8	187.4	681.90
2007	1	01	259.6	335.9	249.3	380.5 8	487.2 8	247.2 3	271.9	278.1	253.4	553.2 8	553.2 3	353.5 8	553.20 3
2008	1	01	471.8 8	619.2 3	183.3	469.6 8	485.0 8	263.7	271.9	251.3	208.0	274.0	707.0 8	489.4 3	707.00 3
2009	1	01	294.6	360.3 8	480.6 8	253.4	485.0 8	485.0 8	485.0 8	846.1 8	331.8	868.9 8	595.0 8	331.8	868.90
2010	1	01	309.1 3	267.8 3	529.0 8	288.4	621.4 8	555.4 8	315.3	267.8	553.2 8	621.4 8	873.4 8	619.2 8	873.40 3
2011	1	01	775.4 8	529.0 3	400.8 8	509.2 8	825.6 8	873.4 8	645.6 8	394.0 8	423.3 8	800.5 8	843.8 8	868.9 8	873.40 3
2012	1	01	617.0 8	331.8	396.3 8	284.3	782.2 8	247.2	595.0 8	846.1 8	636.8 8	823.3 8	485.0 8	418.8 8	846.10
2013	1	01	373.8 8	843.8 8	267.8	621.4 8	617.0 8	619.2 8	267.8	617.0 8	400.8 8	599.4 8	868.9 8	212.1	868.90
MEDIOS			590.8	560.9	675.3	676.1	762.0	672.9	627.8	692.4	684.6	852.0	866.4	689.3	695.87
MAXIMOS			1471	1510	3852	1750	2571	1060	1248	1268	1205	3135	2619	2425	3852.00
MINIMOS			230.0	163.0	183.3	253.4	247.2	247.2	267.8	251.3	208.0	271.9	382.8	187.4	163.00

# ESTACIÓN AGUASAL MÍNIMOS

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

NACIONAL AMBIENTAL

FECHA DE PROCESO : 2015/02/25

ESTACION : 11017010 AGUASAL

LATITUD 0528 N

TIPO EST LM

DEPTO CHOCO

FECHA-INSTALACION 1976-MAY

LONGITUD 7632 W

ENTIDAD 01 IDEAM

MUNICIPIO LLORO

FECHA-SUSPENSION

ELEVACION 75 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE ANDAGUEDA

*****															
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
*****															
1976	2	01	313.8 6	605.3 6		412.4 6			14.80 6		201.3 6	267.6 6	709.4 6	250.3 6	14.80 3
1977	2	01	33.60	52.50	39.70	45.00	74.50	87.00	58.00	80.30	54.50	126.5	79.20	58.00	33.60
1978	2	01	49.00	49.50	45.50	91.50	78.00	138.7	57.50	49.50	66.50	134.5	115.5	95.40	45.50
1979	2	01	63.00	63.00	63.00	66.00	66.00	103.2	75.00	67.80	88.40	95.20	134.5	107.8	63.00
1980	2	01	75.00	83.20	51.00	51.50	82.40 6	80.00 6	72.00 6	69.00 6	73.00 6	98.00 6	80.00 6	84.00 6	51.00
1981	2	01	78.00 6	89.00 6	99.00 6	61.00 6	78.80 6	108.7 1	78.10 1	77.80 1	83.00 6	87.00 6	133.0 6	18.60 3	18.60 3
1982	2	01	54.50 6	79.00 6	88.00 6	69.00 6	95.00 6	88.00 6	95.00 6	85.00 6	86.90 1	123.8 1	118.6 3	78.00 6	54.50 3
1983	2	01	23.20 6	10.00 6	48.00 6	69.00 6	91.00 6	95.00 6	88.00 6	83.00 6	67.80 3	101.4	86.40	111.9	10.00 3
1984	2	01	110.4	107.0	79.50	110.2 1	131.6 1	138.5 1	86.70 1	97.90 1	87.70 1	97.90 1	103.6 1	81.10	79.50
1985	2	01	96.30	72.00	91.70 1	100.2 1	106.1 1	108.7 1	64.70	93.00	117.6 1	101.6	80.40	95.30 1	64.70
1986	2	01	79.20 3	93.10 1	63.00	90.10 3	85.30	60.10 1	72.00 3	68.40 3	58.60	101.6	107.0	55.00	55.00 3
1987	2	01	55.00	55.00 1	55.00	47.50	55.60	55.00 3	88.30	90.90 3	123.6 3	99.10	115.8 1	82.90 3	47.50 3
1988	2	01	72.60	62.40	50.00	61.00	83.10	88.90	74.40	87.70	69.60 3	123.5	136.5 3	115.2	50.00 3
1989	2	01	77.10 1	61.20	62.40	66.00 3	84.90	95.20 3	68.40	87.10	117.2 1	108.6 1	101.7 3	131.8 3	61.20 3
1990	2	01	105.0 1	72.00 1	50.00	70.00	56.00 1	34.00 1	27.00 1	21.00 3	98.00 1	86.00	89.00	113.0 3	21.00 3
1991	2	01	87.00	83.00	82.00	76.00	90.00	105.0 1	85.00 1	82.00	114.0	129.0	129.0	82.00	76.00
1992	2	01	72.60	73.20	73.00	80.70	26.70	68.20	76.80	87.70	118.4	62.20	88.50	84.60	26.70
1993	2	01	89.30	61.20	74.40	76.80	164.0	118.4	75.00	87.20	84.60	110.2	331.6	103.8	61.20
1994	2	01	61.00	53.00	81.00	170.0	179.0	116.0	68.00	76.00	101.0	170.0	243.0	55.00	53.00
1995	2	01	44.00	48.00	50.00	156.0	107.0	187.0	45.00 1	114.0	220.0	147.0	166.0	66.00	44.00
1996	2	01	244.0	67.00	69.00	68.00	147.0	71.00	64.00	102.0	147.0	160.0	56.00	76.00	56.00
1997	2	01	293.1	104.9	53.60	61.60	78.40	118.1	44.40	56.50	153.2	156.6	161.5	41.50	41.50
1998	2	01	32.00	36.00	38.40	38.40	88.00	51.80	57.00	62.20	99.70	40.00	38.40	64.30	32.00
1999	2	01	47.60	45.20	37.60	59.10	39.20	58.00	45.20	68.40	76.20	58.50	125.1	47.80	37.60
2000	2	01	98.10	103.8	85.00	82.50	122.2	95.00	98.80	91.30	136.0	148.2	128.7	95.60	82.50
2001	1	01	73.75	61.25 3	92.50	107.2	124.0	112.4	126.3	101.0	127.9	128.7	129.5	128.7	61.25 3
2002	2	01	110.1	136.8	138.4	140.9	141.7	137.6	128.7	137.6	131.1	131.1	128.7	87.50	87.50
2003	2	01	123.0	124.6	127.9	125.4	127.9	127.9	128.7	129.5	127.9	127.9	127.9	131.9	123.00
2004	2	01	125.4 3	127.9 3	127.9	127.9	127.1	127.9	102.0 1	73.72 1	90.68 1	127.9	128.7	128.7	73.72 3
2005	1	01	105.5	129.5	128.7	80.08 1	93.00 1	90.78 1	80.71 1	74.53 1	132.8	98.63 1	134.4	131.9	74.53
2006	1	01	127.9	74.38	121.4	126.3	127.9	133.6	119.8	114.9	119.8	98.75	130.3	124.6	74.38
2007	1	01	117.3	105.6	126.3	131.1	131.9	124.6 3	131.1	117.7	125.4	129.5	128.7 3	131.9	105.60 3
2008	1	01	131.9	118.9 3	122.2	130.3	134.4	122.2	134.4	125.4	132.8	134.4	136.0	121.4 3	118.90 3
2009	1	01	115.7	137.6	140.1	122.2	140.9	139.3	100.6	126.3	107.1	142.5	142.5	127.9	100.60
2010	1	01	75.00 3	71.88 3	141.7	143.3	140.1	144.1	153.9	140.9	140.9	151.4	170.3	156.3	71.88 3
2011	1	01	168.5	158.8 3	154.7	157.9	162.0	157.9	151.4	159.6	156.3	170.6	171.6	176.1	151.40 3
2012	1	01	156.3	152.3	153.1	158.8	156.3	86.25	139.3	175.1	169.8	173.4	158.8	168.5	86.25
2013	1	01	152.3	191.5	171.6	171.6	190.5	190.5	181.2	190.5	165.3	178.8	191.5	158.8	152.30
MEDIOS			103.6	100.5	88.55	105.3	108.3	107.1	88.35	96.01	115.0	124.4	145.7	104.5	107.29
MAXIMOS			313.8	605.3	171.6	412.4	190.5	190.5	181.2	190.5	220.0	267.6	709.4	250.3	709.40
MINIMOS			23.20	10.00	37.60	38.40	26.70	34.00	14.80	21.00	54.50	40.00	38.40	18.60	10.00

# ESTACIÓN GINDRAMA MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11027050 GINDRAMA

LATITUD 0531 N

TIPO EST LG

DEPTO CHOCO

FECHA-INSTALACION 1979-DIC

LONGITUD 7631 W

ENTIDAD 01 IDEAM

MUNICIPIO LLORO

FECHA-SUSPENSION

ELEVACION 0075 m. s. n. m

REGIONAL 01 ANTIOQUIA

CORRIENTE ATRATO

\*\*\*\*\*  
A#O EST ENT ENERO \* FEBRE \* MARZO \* ABRIL \* MAYO \* JUNIO \* JULIO \* AGOST \* SEPTI \* OCTUB \* NOVIE \* DICIE \* VR ANUAL \*  
\*\*\*\*\*

1982	2	01	M							1045	3	M	M			1045.00	3											
1983	2	01	901.0	6	1047	6	847.5	6	964.1	6	956.0	3	990.0	1	782.0	3	1022	6	1020	3	860.0	1	1020	3	1000	1	1047.00	3
1984	2	01	1050	1	824.2	6	848.7	6	620.0		930.0	3	930.0		464.0	3	1073	6	1247	6	1059	6	2335	6	1080	6	2335.00	3
1985	2	01	1364	6	958.4	6	1325	8	1266	8	1478	8	1282	8	730.0		1490	8	1502	8	1050	1	1472	8	1345	8	1502.00	
1986	2	01	1188	3	902.0	3	1126		580.0	3	873.0	3	1297	3	831.0	1	902.0	1	1087	3	1023	6	921.0	6	1212	3	1297.00	3
1987	2	01	920.0	1	1075	1	1248	8	1096	1	1146	3	1015	3	1093	3	1075		1176	3	808.0		1018	3	1224	8	1248.00	3
1988	2	01	810.3	6	976.3	6	570.2	6	734.0	3	577.0	3	730.0	3	1364	8	1278	1	1170	1	1390	8	1455	3	1212	1	1455.00	3
1989	2	01	774.0	1	733.0	1	729.0	1	1200		1054	1	1127	1	580.0		908.0	1	1182	1	1111	1	979.0		580.0		1200.00	
1990	2	01	428.0		580.0		550.0		1254	8	825.0	8	963.0	8	765.0	1	825.0	8	1826	8	1622	8	1500	8	2100	8	2100.00	
1991	2	01	1406	8	1358	8	877.0	8	410.0		1706	8	1306	8	929.0	8	1315	8	1549	8	1439	8	1804	8	1069	8	1804.00	
1992	2	01	622.0		720.0		634.0		637.0		771.0	8	841.0	8	726.0		1072	8	1628	8	1005	8	1416	8	1239	8	1628.00	
1993	2	01	1114	8	742.0	1	577.0		562.0		1009	8	810.0	8	556.0		1134	8	1493	8	1455	8	1559	8	1302	8	1559.00	
1994	2	01	1200	8	1338	8	938.0	8	733.0		685.0		786.0	8	1188	8	1345	8	1416	8	1625	8	1194	8	1140	8	1625.00	
1995	2	01	842.0	8	765.0		1008		500.0		718.0	1	762.0		1312	1	1242	1	1208	1	1547	1	976.0	1	920.0	1	1547.00	
1996	2	01	1027	1	590.0	1	1072	1	892.0	1	1024	1	638.0		548.0		548.0		656.0		718.0		687.0		709.0		1072.00	
1997	2	01	718.2		656.2		572.0		730.6		611.0		795.7		702.7		743.0	1	805.0	1	668.6	1	718.2		376.3		805.00	
1998	2	01	463.0		724.0		644.0		901.0	1	1056	1	1263	8	1114	1	724.0		650.0		500.0		743.0	1	1480	8	1480.00	
1999	1	01	1599	1	1459	1	941.0	1	1370	1	995.0	1	1419	1	1085	1	995.0	1	500.0		1190	1	1553	1	1696		1696.00	
2000	1	01	500.0		530.0		566.0		548.0		1120		530.0		1282	1	1151	1	1085	1	1085	1	1169	1	560.0		1282.00	
2001	1	01	491.0		395.0		644.0		423.0		379.0		357.0		420.0		401.0		374.0		428.0		687.0		1639		1639.00	
2004	1	01	803.0	3	863.0	8	803.0		863.0	3	986.0	3	923.0	3	893.0	3	923.0	3	863.0	3	986.0	3	*		803.0	3	986.00	3
2005	1	01	803.0	3	923.0	3	923.0	3	791.9	3	923.0	8	780.8	3	681.9		530.3		791.9	3	979.7	3	967.1	3	917.0	3	979.70	3
2006	1	01	911.0	3	929.3	3	857.0	3	986.0	3	780.8	3	851.0	3	893.0	3	857.0	3	954.5	3	875.0	3	857.0	3	986.0	3	986.00	3
2007	1	01	899.0	8	923.0	3	839.0	3	973.4	3	986.0	3	954.5	3	967.1	3	905.0	3	875.0	3	973.4	3	851.0	3	905.0	3	986.00	3
2008	1	01	2321	8	2268	8	1350	8	2172	3	2298	8	1977	8	1961	8	2097	8	1844	8	2231	8	2328	3	2373	8	2373.00	3
2009	1	01	2335	8	1828	8	1914	8	1657	8	2321	8	2373	3	2075	8	1922	8	1719	8	2120	3	1805	8	2030	3	2373.00	3
2010	1	01	1190	8	1671	3	1990	8	2650	3	2460	8	2371	3	1574	8	1813	8	1727	3	2331	8	2427	8	2371	3	2650.00	3
2011	1	01	1938	8	1433	8	1459	8	1983	8	2189	8	2443	8	2089	3	2127	8	1842	8	2299	8	*		2181	3	2443.00	3
2012	1	01	2066	8	1671	8	*		*		*		1246	3	1901	8	2550	3	*		*		*		*		2550.00	3
2013	1	01	*		*		*		*		*		*		2158	3	2709	8	1799	8	2307	3	*		*		2709.00	3
MEDIOS			1096		1032		957.5		1018		1143		1134		1092		1230		1208		1274		1298		1276		1146.55	
MAXIMOS			2335		2268		1990		2650		2460		2443		2158		2709		1844		2331		2427		2373		2709.00	
MINIMOS			428.0		395.0		550.0		410.0		379.0		357.0		420.0		401.0		374.0		428.0		687.0		376.3		357.00	

## ESTACIÓN GINDRAMA MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11027050 GINDRAMA

LATITUD 0531 N

TIPO EST LG

DEPTO CHOCO

FECHA-INSTALACION 1979-DIC

LONGITUD 7631 W

ENTIDAD 01 IDEAM

MUNICIPIO LLORO

FECHA-SUSPENSION

ELEVACION 0075 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE ATRATO

\*\*\*\*\*  
A#O EST ENT ENERO \* FEBRE \* MARZO \* ABRIL \* MAYO \* JUNIO \* JULIO \* AGOST \* SEPTI \* OCTUB \* NOVIE \* DICIE \* VR ANUAL \*  
\*\*\*\*\*

1982	2	01	201.7	3								137.0	3	163.7	3	*								137.00	3			
1983	2	01	92.10	6	95.70	6	102.3	6	142.1	6	126.6	3	108.4	1	95.40	3	156.2	6	170.8	3	157.0	1	165.4	3	131.0	1	92.10	3
1984	2	01	153.2	1	162.3	1	82.50		95.00		106.2		127.5		*		149.5	1	117.9	1	151.9	1	152.5		115.0	3	82.50	3
1985	2	01	140.8	6	99.46	6	107.0	1	131.2	1	132.0	1	110.0		120.0		180.0		163.1	1	157.0	1	138.0	1	146.3	1	99.46	
1986	2	01	116.8	3	88.00	3	105.5	1	137.0	3	148.7	3	109.5	3	92.00	1	110.6	1	99.00	3	135.1	6	137.5	6	101.2	3	88.00	3
1987	2	01	72.20	1	67.00	1	84.00	1	86.00	1	159.5	3	128.3	3	132.3	6	132.0		150.8	3	142.5		165.4	3	99.10	1	67.00	3
1988	2	01	56.40	6	90.20	6	86.20	6	150.0	3	172.5	3	131.2	3	147.0		192.3	1	182.5	1	186.4	1	313.0	3	239.1	1	56.40	3
1989	2	01	76.00	1	43.50	1	42.00	1	43.10		141.4	1	183.5	1	55.50		74.40		189.1	1	166.9	1	103.1		107.4		42.00	
1990	2	01	40.30		33.80	8	28.80	8	131.2		107.5		116.5		78.10		71.30		147.7	1	227.7	1	222.9	1	64.40		28.80	
1991	2	01	97.60	1	83.50	1	85.00		80.60		95.60		183.5	1	117.9	1	96.80	1	112.5		151.7	1	159.1	1	106.3	1	80.60	
1992	2	01	100.1	1	100.0		100.0		99.40		154.4		144.7		117.5		167.6		181.0	1	143.1	1	160.6	1	140.6	1	99.40	
1993	2	01	155.6	1	109.6	1	103.7		83.80		96.90		135.7		147.0		150.4		221.2	1	228.0	1	196.0		192.0	1	83.80	
1994	2	01	107.3	1	96.90	1	125.4	1	177.5		202.5		211.5		159.4	1	183.1	1	199.4	1	195.2	1	198.7		149.2	1	96.90	
1995	2	01	75.40	1	58.00	8	78.10		165.8		189.0		172.2		138.0		174.7	1	179.1	1	194.1	1	134.2	1	140.9	1	58.00	
1996	2	01	135.0	1	152.3	1	121.3	1	116.8	1	123.3	1	163.2		143.0		171.0		130.1		148.8		153.2		133.0		116.80	
1997	2	01	228.2		125.3	8	128.0		94.30		99.70		156.2		74.50		67.60	8	104.9	1	124.3	1	141.0		66.40	8	66.40	
1998	2	01	61.60	8	75.40		73.60		117.3		131.8	1	156.5	1	144.0	1	150.0		204.6		173.6		229.6		226.2	1	61.60	
1999	1	01	183.0	1	167.0	1	131.0	1	175.0	1	162.0	1	188.0	1	139.0	1	165.0	1	173.0		200.0		241.0	1	159.0		131.00	
2000	1	01	139.0		150.0		88.00		126.0		187.8		161.2		140.0		123.6	1	170.5	1	132.2	1	230.6		174.6		88.00	
2001	1	01	80.80		113.2		146.0		95.20		138.0		172.0		152.0		179.4		179.4		189.0		157.0		195.0		80.80	
2004	1	01	139.4	3	152.3		117.2		155.9	3	194.9	3	169.4	3	146.9	3	157.6	3	152.3	3	203.3	3	*		157.6	3	117.20	3
2005	1	01	175.8	3	130.8	3	154.4	3	151.7	3	143.6		188.5	3	166.8		177.0		187.2	3	183.2	3	245.1	3	198.4	3	130.80	3
2006	1	01	150.5	3	132.3	3	113.7	3	178.3	3	216.9	3	182.1	3	180.9	3	141.5	3	150.4	3	123.3	3	161.0	3	138.7	3	113.70	3
2007	1	01	146.9		101.0	3	120.2	3	183.4	3	227.0	3	210.5	3	155.5	3	176.7	3	202.3	3	191.7	3	253.5	3	261.8	3	101.00	3
2008	1	01	198.7	1	143.5	1	144.0	1	143.4	3	193.0	1	211.1	1	171.6	1	192.6	1	151.5	1	206.3	1	225.3	3	231.6	1	143.40	3
2009	1	01	216.1	1	199.0	1	125.7	1	163.2	1	173.6	1	181.6	3	129.6	1	166.4	1	140.4	1	170.5	3	211.1	1	182.5	3	125.70	3
2010	1	01	51.18	8	84.10	3	97.55	8	127.3	3	182.3	8	159.5	8	252.8	1	189.6	8	156.6	3	213.3	8	392.6	1	299.4	3	51.18	3
2011	1	01	178.5	8	179.3	8	89.24	8	154.3	8	181.5	8	116.5	8	159.0	3	155.9	8	85.02	8	163.3	8	*		300.3	3	85.02	3
2012	1	01	205.3	8	54.75	8	*		*		*		115.7	3	80.22	8	63.16	3	*		*		*		*		54.75	3
2013	1	01	*		*		*		*		*		*		139.8	3	177.2	8	124.0	8	235.2	3	*		*		124.00	3

MEDIOS			130.2		110.3		103.0		129.8		155.1		156.9		134.8		148.0		157.4		174.4		195.5		165.1		146.71	
MAXIMOS			228.2		199.0		154.4		183.4		227.0		211.5		252.8		192.6		221.2		235.2		392.6		300.3		392.60	
MINIMOS			40.30		33.80		28.80		43.10		95.60		108.4		55.50		63.16		85.02		123.3		103.1		64.40		28.80	

# ESTACIÓN SAN ISIDRO MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25			ESTACION : 11037010 SAN ISIDRO												
LATITUD 0537 N			TIPO EST	LM	DEPTO CHOCO		FECHA-INSTALACION		1967-MAY						
LONGITUD 7644 W			ENTIDAD	01 IDEAM	MUNICIPIO RIO QUITO		FECHA-SUSPENSION		2005-SEP						
ELEVACION 0030 m.s.n.m			REGIONAL	01 ANTIOQUIA	CORRIENTE QUITO										
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1969	4	33	644.0	690.0	615.0	662.0	690.0	644.0	446.0	670.0	599.0	732.0	592.0	900.0	900.00
1970	2	01	740.0	680.0	660.0	700.0	690.0	680.0	600.0	752.0	625.0	705.0	640.0	670.0	752.00
1971	2	01	730.0 1	640.0 1	712.0 1	725.0 6	644.2 6	726.0 1	710.0 1	650.0 1	725.0 1	685.0 1	660.0 1	645.0 1	730.00
1972	2	01	672.0	754.0	495.0	428.0	618.0	636.0	482.0	656.0	656.0	580.0	558.0	582.0 5	754.00
1973	2	01	571.0	178.1	540.4	548.9	547.2	632.0	423.0	599.9	571.0	579.5	596.5	486.4	632.00
1974	2	01	497.6	552.3	643.0 8	512.0 8	677.0	615.8	641.0	615.8	612.2	484.8	594.8 8	560.8 8	677.00
1975	2	01	623.0 8	625.0 6	485.0 6	431.5 8	577.8	567.6	659.0	790.0 8	577.8	608.6 8	677.0	605.0	790.00
1976	2	01	687.8	473.6	440.0	671.6	780.5	504.0 1	465.6 1	588.0 1	481.6 1	468.8 1	584.6 1	443.2 1	780.50
1977	2	01	440.0 1	537.0 1	428.1 1	752.0 1	596.5 1	582.9 1	598.2 1	515.2 1	489.6 1	601.6 1	468.8 1	530.2 1	752.00
1978	2	01	458.4 1	397.8 1	555.0 1	758.0 8	629.0 1	680.0 1	608.0 1	685.6	611.5	460.0 8	773.0 8	522.0 1	773.00
1979	2	01	386.6 1	510.0 1	451.8 1	586.4	504.0	618.5	495.0 6	610.0 6	541.4	622.0	494.7	494.7 1	622.00
1980	2	01	643.0	676.1	453.4	620.2	616.7	656.6	584.6	536.0 1	608.0 1	723.4 8	551.6 1	483.1 1	723.40
1981	2	01	712.6 8	606.2 1	700.0 1	672.2 1	502.0 1	425.8 1	579.2 1	593.6 1	478.2 1	510.0 1	720.0 8	639.5	720.00
1982	2	01	465.0 1	543.1 1	388.2 1	401.0 1	363.2 1	479.8 8	543.1 8	380.2 8	546.5 7	435.3 7	551.6 7	524.0 1	551.60
1983	2	01	323.2 1	226.6 1	536.0 1	425.8 1	526.0 1	541.4 1	613.2 1	595.4 1	648.8 1	425.8 1	404.1 1	546.5	648.80
1984	2	01	560.1	590.0	739.6 8	575.6 1	530.0 1	701.8 1	481.5 1	629.0 1	451.8 1	613.2 1	381.8 3	614.1 6	739.60 3
1985	2	01	539.7 6	579.2	565.2 1	586.4 1	544.8 1	680.0 1	458.4 1	730.6 8	494.7 1	613.2	536.0	500.0 1	730.60
1986	2	01	548.2 1	703.6 1	473.2	716.2 3	666.4	546.5 1	445.2 1	419.6 1	498.0 3	506.0 1	484.8 3	562.0 6	716.20 3
1987	2	01			466.6 1	604.4 3	709.0 3			712.6 3	658.6 3	579.2 3	662.5 3	582.8 3	712.60 3
1988	2	01	593.6 3	549.9 9	600.8 9	710.8 3	489.8	609.8 3	622.0 3	656.7	643.0	590.0	606.2	654.7	710.80 3
1989	2	01	718.0	707.2	468.3 3	689.2 3	730.6 8	732.4 3	572.0 3	620.2 3	584.6 3	530.0 3	516.0 3	541.4 3	732.40 3
1990	2	01	572.0 3	441.9 3	479.9 3	609.8	623.8	240.8 3	508.0	432.0	443.5	463.4	518.0 3	504.0 3	623.80 3
1991	2	01	473.6 3	473.6 3	507.8 3	480.3 3	630.0 3	580.5	441.7	660.0	620.0	550.0	721.8 8	492.3	721.80 3
1992	2	01	536.5	662.0	742.7 8	519.8	753.1 8	695.9 8	557.6	726.1 8	610.6	482.0	448.4	578.6	753.10
1993	2	01	550.0	436.8	516.4	525.0	746.9 8	630.0	576.8	624.0	504.4	634.0	473.6	513.0	746.90
1994	2	01	576.8	751.0 8	734.4 8	563.4	726.1 8	546.1	499.2	845.0 8	534.6	610.6	528.8	668.0	845.00
1995	2	01	630.0	525.0	473.6	468.6	660.0	534.6	530.8	571.1	492.3	620.0	573.0	376.0	660.00
1996	2	01	542.3	586.2	557.6	610.6	773.9 8	652.0	632.0	713.2 8	642.0	565.3	544.2	620.0	773.90
1997	2	01	565.3	746.9 8	534.6	507.8	513.0	546.1	368.0 3	461.8 3	403.2	468.6	477.0	242.8	746.90 3
1998	2	01	422.4	630.0	400.0	559.6	578.6	550.0	559.6	634.0	746.9 8	630.0	676.5 8	502.6	746.90
1999	1	01	563.4	654.0	680.8 8	644.0	586.2	504.4	553.8	614.4	662.0	534.6	630.0	605.0	680.80
2000	1	01	546.1	824.3 8	740.6 8	683.0 8	763.5 8	638.0	518.1	630.0	650.0	640.0 3	680.8 3	*	824.30 3
2001	1	01	445.0 9	*	*	*	717.5 3	*	670.0 3	*	*	*	674.3 3	685.1 3	717.50 3
2002	1	01	561.5 3	*	*	840.4 3	630.0 3	*	*	700.2 3	*	*	565.3 3	792.1 3	840.40 3
2003	1	01	*	*	646.0	542.3	662.0 3	755.2 3	742.7 8	730.2 8	569.2	687.3 8	717.5 8	507.8	755.20 3
2004	1	01	638.0 8	638.0 8	652.0 8	586.2 8	702.4 8	591.8 8	563.4 3	*	*	*	*	*	702.40 3
MEDIOS			564.0	580.9	561.3	597.7	630.5	597.8	551.4	627.9	575.2	573.9	579.5	564.0	583.67
MAXIMOS			740.0	824.3	742.7	840.4	780.5	755.2	742.7	845.0	746.9	732.0	773.0	900.0	900.00
MINIMOS			323.2	178.1	388.2	401.0	363.2	240.8	368.0	380.2	403.2	425.8	381.8	242.8	178.10

# ESTACIÓN SAN ISIDRO MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11037010 SAN ISIDRO

LATITUD 0537 N

TIPO EST LM

DEPTO CHOCO

FECHA-INSTALACION 1967-MAY

LONGITUD 7644 W

ENTIDAD 01 IDEAM

MUNICIPIO RIO QUITO

FECHA-SUSPENSION 2005-SEP

ELEVACION 0030 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE QUITO

*****															
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
*****															
1969	1	01		87.34 8	87.41 8	99.72 8	88.74 8	86.46 8	95.83 8	92.09 8	88.08 8	98.93 8	102.4 8	92.83 8	86.46 3
1970	2	01	45.00	40.00	68.00	216.0	162.0	129.0	130.0	148.0	134.0	124.0	121.0	105.0	40.00
1971	2	01	132.0	145.0	200.0	150.0	70.00	216.0	218.0	82.00	165.0	76.00	74.00	110.0	70.00
1972	2	01	150.0	48.00	10.00	10.00	80.00	106.0	74.00	53.00	124.0	92.00	60.00	28.00	10.00
1973	2	01	31.50	20.00	25.60	40.80	104.9	89.80	107.2	130.9	89.00	150.0	180.6	103.2	20.00
1974	2	01	82.20	95.70	51.70	60.70	91.90	112.2	108.8	93.60	86.00	95.70	105.3	187.3	51.70
1975	2	01	174.7	125.3 6	115.3 6	88.50	88.50	84.30	88.10	241.5	110.0	103.7	102.4	73.40	73.40
1976	2	01	80.10	53.10	37.30	40.80	99.50	100.7	60.40 1	67.50 1	51.30 1	54.20 1	63.90 1	70.50 1	37.30
1977	2	01	27.70	68.50 1	43.60 1	43.60 1	125.7 1	92.40 1	108.8 1	107.3 1	62.80 1	117.5 1	91.90 1	56.10 1	27.70
1978	2	01	53.30 1	71.90 1	85.20 1	113.4 1	137.3 1	178.4 1	126.7 1	116.8	108.4	99.20	61.80 1	95.00 1	53.30
1979	2	01	63.60 1	100.9 1	112.3 1	68.50 1	116.4	85.50	166.5 6	132.2 1	103.7	114.8	69.30	68.90 1	63.60
1980	2	01	176.8 1	218.0	76.50 1	81.30	241.3	180.5	155.3	117.0 1	157.7 1	121.3 1	128.7 1	101.3 1	76.50
1981	2	01	82.40 1	149.2 1	103.9 1	119.0 1	74.20	146.1 1	115.1 1	95.60 1	77.10 1	117.9 1	137.1 1	88.30	74.20
1982	2	01	74.90 1	58.40 1	106.1 1	78.30 1	98.20 1	117.2	124.6	76.30	120.4	118.4	92.00 1	65.20 1	58.40
1983	2	01	47.20	37.10	42.70	91.10 1	93.50 1	109.6 1	96.70 1	124.7 1	133.6 1	99.20 1	10.50	86.20	10.50
1984	2	01	88.70	149.7	75.20 1	103.3 1	100.9 1	114.2 1	137.4 1	92.00 1	93.10 1	144.7 1	73.90 3	156.5 6	73.90 3
1985	2	01	76.09 6	65.60	67.50 1	118.5 1	130.5 1	87.90 1	123.0 1	108.1 1	125.6	97.00	82.00	124.6 1	65.60
1986	2	01	83.50 1	65.90	50.60	103.6 3	107.3	72.40	83.50 1	66.20 1	101.7 3	115.6 1	75.70 3	55.00 6	50.60 3
1987	2	01			74.70 1	138.1 3	160.7 3			213.0 3	167.4 3	162.8 3	163.7 3	114.0 3	74.70 3
1988	2	01	173.5 3	234.5 9	171.6 9	247.8 3	225.3	157.0 3	154.7 3	169.8	168.0	148.7	186.4	186.6	148.70 3
1989	2	01	195.7	216.6	95.00 6	125.3	190.1	178.0 6	135.0 6	143.0 6	177.6	180.0	177.0 6	112.4	95.00
1990	2	01	181.4 3	149.3 3	108.8 3	104.7	119.2	128.4 3	121.2 1	133.7 1	143.4 1	167.9	214.7 3	50.10 3	50.10 3
1991	2	01	389.6 3		422.4 3	417.6 3	127.6 3	97.50	98.20	86.90	97.70	99.10	133.6	60.90	60.90 3
1992	2	01	78.20	60.10	60.50	51.90	121.3	89.90	110.7	130.0	104.2	84.50	58.70	87.80	51.90
1993	2	01	100.8	66.30	86.00	77.80	139.2	93.60	122.5	76.90	89.30	101.5	97.30	85.10	66.30
1994	2	01	69.10	89.60	95.70	114.7	105.0	90.20	81.80	119.9	154.4	67.90	103.0	73.00	67.90
1995	2	01	49.00	61.60	51.20	131.3	108.0	104.7	91.70	87.50	91.10	117.9	112.0	111.9	49.00
1996	2	01	105.0	132.3	95.50	154.2	106.2	122.5	99.40	96.80	114.0	95.60	63.60	82.10	63.60
1997	2	01	98.20	172.5	51.20	41.90	73.60	99.40	86.30 3	102.2 3	92.10	78.60	82.70	54.70	41.90 3
1998	2	01	45.90	51.90	55.40	66.00	80.10	185.5	175.9	99.10	107.1	123.1	120.4	97.20	45.90
1999	1	01	119.0	121.3	90.50	121.6	121.0	143.6	113.6	98.20	105.4	144.0	194.0	100.2	90.50
2000	1	01	99.80	135.1	74.40	104.2	174.5	122.5	118.6	105.0	129.3	182.0 3	179.0 3	*	74.40 3
2001	1	01	263.0 3	*	*	*	301.9 3	*	272.6 3	*	*	*	275.0 3	228.0 3	228.00 3
2002	1	01	182.5 3	*	*	279.9 3	276.4 3	*	*	282.8 3	*	*	302.3 3	270.8 3	182.50 3
2003	1	01	*	*	81.50	94.90	160.3 3	110.9 3	94.10	104.7	125.2	128.1	98.60	100.6	81.50 3
2004	1	01	73.28 8	84.50 8	92.00 8	78.70 8	153.0 8	83.30 8	101.1 3	*	*	*	*	*	73.28 3
MEDIOS			111.9	102.4	90.16	113.6	132.1	118.7	120.5	117.5	115.1	115.8	119.8	102.4	113.34
MAXIMOS			389.6	234.5	422.4	417.6	301.9	216.0	272.6	282.8	177.6	182.0	302.3	270.8	422.40
MINIMOS			27.70	20.00	10.00	10.00	70.00	72.40	60.40	53.00	51.30	54.20	10.50	28.00	10.00

# ESTACIÓN BELÉN MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11047010 BELEN

LATITUD 0545 N

TIPO EST

LG

DEPTO

CHOCO

FECHA-INSTALACION

1965-DIC

LONGITUD 7640 W

ENTIDAD

01 IDEAM

MUNICIPIO

QUIBDO

FECHA-SUSPENSION

ELEVACION 21 m.s.n.m

REGIONAL

01 ANTIOQUIA

CORRIENTE

ATRATO

*****															
A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
*****															
1974	2	01	1384 6	1645 6	2077 6	1452 6	2065 8	2250	2090	1990	2150	2040	2150	2040	2250.00
1975	2	01	1807	1990	1325	1590	2150	2460	2040	2090	1980	2460	2335	2150	2460.00
1976	2	01	2035	1455	1516	2653	2195	2239 1	1745 1	1895 1	1915 1	2114 1	2412 1	1980	2653.00
1977	2	01	1820	1708	1840	2025	2493	2050	2159	2120	2070	2250	2096	2138	2493.00
1978	2	01	1500 1	1290 1	1724 1	2028 1	1990	1930	1625	1908	1950	1978	1946	1998	2028.00
1979	2	01	1510	1098	1308	2038	1740	2095	1368	1884	1768	2252 8	1978	1880	2252.00
1980	2	01	2058	1780	1510	1900	1740	2043	1804	1724	1796	2068	2084 1	1832 1	2084.00
1981	2	01	2134 8	1998	2238 8	1978	1970 1	2018 1	1900 1	1900	1346	1780	2211 8	2053	2238.00
1982	2	01	2058	2058	1510	1475	1808	1400	1911	1590	1608	1938	1692	1471	2058.00
1983	2	01	997.0 9	1093 6	1908 6	1939 3	1959	2001 3	2270 8	1428	2235 8	1625	1625	1720	2270.00 3
1984	2	01	1800	1820	1908 1	2048 1	1900	2058	1740	2268 8	1880	2028	2278 8	1938	2278.00
1985	2	01	2099	1255 3	1700 3	1590	1852	2137	1570	1476 9	1828	1804	1820	1935	2137.00 3
1986	2	01	1740	1760	1290	2010	1864	2095	1796	1860	1780	1986	1946	1325	2095.00
1987	2	01	388.7 6	245.3 6	1614 6	2073 6	2423 6	800.9 6	1358 6	2432 6	2253 6	2026 6	2266 6	2000 6	2432.00
1988	2	01	1958	1700	950.0	1700	1860	1958 3	1938	2184 8	2113 8	2168 8	2071 1	1772 1	2184.00 3
1989	2	01	1804 1	1912 3	1273 3	1983 3	1808 1	2137 1	1792 3	1720 3	1820 1	1664 1	1951 3	1764 1	2137.00 3
1990	2	01	1828	1550	1880	1978	1978	1283	1416	1880	1700	1880	1920	2253 8	2253.00
1991	2	01	1993	1738	1765	1423	2232 8	1936 1	1939 1	2019 1	1787	1527 1	1738 1	1646	2232.00
1992	2	01	1686	1833	1596	1527	1723	1719	1746	1746 1	2042 1	1664 1	2027 1	1829 1	2042.00
1993	2	01	1867 1	1551	1738	1890	2099 8	2050	1882	1928 1	2156 8	2091 8	1920 1	1875 1	2156.00
1994	2	01	1822 1	1977 1	1928	1738	2076	1806	1668 6	2234 6	1840 6	2555 6	1987 6	2072 1	2555.00
1995	2	01	1726	1699	1443	1983	2060 8	2176 8	1835	1909	1835	1909	2072 8	1718	2176.00
1996	2	01	1999	1979	1808	1987	1991	2024	2024	2176 8	1868	2156 8	1958	1987	2176.00
1997	2	01	2088 8	1999	1579 3	1856 3	1382	1835	1545 3	1308	1396	1679	1726	1090 3	2088.00 3
1998	2	01	1069 9	1757 3	1443 3	2020 3	2056 8	1999	2040	2048 8	1983	2056 8	2152 8	2040	2152.00 3
1999	1	01	2116 8	2040	2100 8	1958	2032	1868	2040	2216 8	1958	1917	2136 8	2120 8	2216.00
2000	1	01	1443	2160 8	2072 8	2040	2160 8	2080 8	1851	2040	2064 8	1831	2088 8	2096 8	2160.00
2001	1	01	1710	1526 3	2100 8	2100 3	2072 8	1917	1884	1966	2020	2040	2096 8	2184 8	2184.00 3
2002	1	01	2116 8	1300	834.0	2152 8	1648	1416	2007	1784	1983	1979	1695	2128 8	2152.00
2003	1	01	*	*	*	*	*	*	*	*	*	*	1418 3	1517 3	1517.00 3
2004	1	01	1520 8	1267 1	1459 8	1517 3	1613 8	1472 3	1423 8	1605 3	1560 8	1478 8	1453 8	1581 8	1613.00 3
2005	1	01	1517 8	1504 3	1621 3	1504 3	1597 3	1368 1	1299 1	1358 1	1613 3	1501 8	1593 3	1462 3	1621.00 3
2006	1	01	1338 1	1589 3	1434 8	1494 8	1404 8	1573 8	1507 3	1421 3	1585 8	1418 8	1469 8	1504 8	1589.00 3
2007	1	01	1517 8	1215 3	1379 8	1552 3	1597 3	1593 8	1348 1	1617 3	1581 3	1517 8	1621 3	1601 8	1621.00 3
2008	1	01	1573 8	1524 3	1283 1	1564 8	1501 3	1613 3	1613 8	1605 3	1482 8	1466 8	1613 3	1613 3	1613.00 3
2009	1	01	1510 3	1494 8	1601 8	1410 8	1577 8	1621 3	1540 8	1581 8	1832 3	2541 8	2099 8	2234 8	2541.00 3
2010	1	01	1555 1	1921 3	2313 8	2267 3	2163 8	2260 3	2354 8	2408 3	2176 3	2374 8	2683 3	2533 3	2683.00 3
2011	1	01	2415 8	1969 8	1951 8	2106 8	2394 8	2590 3	2654 8	1850 8	1815 8	2647 3	2449 3	2654 3	2654.00 3
2012	1	01	2690 8	2512 8	2080 8	1780 8	2477 8	1885 8	2208 8	2582 8	2618 8	*	*	*	2690.00 3
2013	1	01	1885 8	2422 8	2112 8	1780 8	2374 8	2442 8	2367 8	2491 8	2477 8	2112 8	2590 8	2320 8	2590.00
MEDIOS			1746	1675	1672	1849	1949	1903	1828	1904	1894	1961	1984	1899	1855.22
MAXIMOS			2690	2512	2313	2653	2493	2590	2654	2582	2618	2647	2683	2654	2690.00
MINIMOS			388.7	245.3	834.0	1410	1382	800.9	1299	1308	1346	1418	1418	1090	245.309

# ESTACIÓN BELÉN MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11047010 BELEN

LATITUD 0545 N

TIPO EST LG

DEPTO CHOCO

FECHA-INSTALACION 1965-DIC

LONGITUD 7640 W

ENTIDAD 01 IDEAM

MUNICIPIO QUIBDO

FECHA-SUSPENSION

ELEVACION 21 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE ATRATO

A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1974	2	01	219.0 6	276.0 6	92.80 6	130.2	569.0 3	685.0	748.0	658.0	530.0	614.0	679.0	650.0	92.80 3
1975	2	01	337.0	400.0	358.0	215.0	909.0	839.0	674.0	1216	560.0	867.0	820.0	812.0	215.00
1976	2	01	343.0	204.0	200.0	162.0	490.0	548.0 1	300.0	413.0	339.0	423.0	294.0	367.0	162.00
1977	2	01	155.0	275.0	186.0	182.0	794.0	383.0	369.0	497.0	266.0	859.0	420.0	265.0	155.00
1978	2	01	155.0 1	170.0 1	142.0	370.0 1	349.0 1	559.0	384.0	230.0	372.0	462.0	461.0	441.0	142.00
1979	2	01	232.0	268.0	308.0	368.0	404.0	464.0	389.0	229.0	506.0	498.0	386.0	448.0	229.00
1980	2	01	413.0	307.0	208.0	176.0	393.0	423.0	319.0	335.0	513.0	689.0	685.0	565.0	176.00
1981	2	01	296.0	605.0	319.0	390.0	416.0 1	512.0 1	397.0 1	318.0 1	274.0	623.0	612.0	584.0 1	274.00
1982	2	01	368.0	285.0	349.0	507.0	671.0	575.0	535.0	533.0	517.0	618.0	354.0	259.0	259.00
1983	2	01	301.0 9	*	266.0	354.0 3	359.0 1	348.0 3	250.0	332.0	644.0	412.0	503.0	320.0	250.00 3
1984	2	01	432.0	547.0	272.0	448.0	520.0	819.0	485.0	364.0	428.0	1035	442.0	530.0	272.00
1985	2	01	338.0	247.0 3	484.0 3	380.0	429.0	506.0	322.0	774.0 9	539.0	413.0	408.0	569.0	247.00 3
1986	2	01	239.0	281.0	239.0	474.0	574.0	289.0	272.0	289.0	423.0	659.0	540.0	246.0	239.00
1987	2	01	113.7 6	193.1 6	309.0 6	522.0 6	595.0 6	389.0 6	491.7 6	772.0 6	619.0 6	602.9 6	605.0 6	442.0 6	113.70
1988	2	01	219.0	304.0	191.0	415.0	755.0	711.0 3	524.0	654.0	883.0	685.0	898.0	853.0	191.00 3
1989	2	01	886.0 1	530.0	383.0	436.0	653.0	659.0	509.0	540.0	652.0 1	530.0 1	653.0 1	684.0 1	383.00
1990	2	01	490.0	391.0	315.0	305.0	393.0	384.0	354.0	510.0	517.0	726.0	575.0	325.0	305.00
1991	2	01	318.0	309.0	402.0	375.0	746.0	582.0	418.0	414.0	496.0	361.0	471.0	340.0	309.00
1992	2	01	375.0	285.0	215.0	263.0	462.0	402.0	365.0	550.0	787.0 1	327.0	465.0	561.0	215.00
1993	2	01	510.0	396.0	434.0	469.0	746.0	399.0	458.0	391.0	652.0	620.0	638.0	602.0	391.00
1994	2	01	340.0	340.0	351.0	856.0	666.0	802.0	382.0 6	663.0 6	764.0 6	460.0 6	922.0 6	381.0	340.00
1995	2	01	227.0	240.0	248.0	580.0	808.0	507.0	407.0	380.0	486.0	680.0	595.0	698.0	227.00
1996	2	01	1018	564.0	669.0	734.0	582.0	683.0	683.0	619.0	607.0	664.0	417.0	437.0	417.00
1997	2	01	918.0	659.0	361.0 3	358.0 3	567.0	591.0	323.0 3	347.0	601.0	521.0	691.0	388.0 3	323.00 3
1998	2	01	338.0 9	243.0 3	354.0 3	391.0 3	373.0	504.0	737.0	529.0	644.0	664.0	946.0	810.0	243.00 3
1999	1	01	693.0	831.0	459.0	582.0	592.0	642.0	378.0	579.0	1092	712.0	647.0	649.0	378.00
2000	1	01	562.0	711.0	401.0	566.0	756.0	640.0	518.0	649.0	814.0	640.0	875.0	495.0	401.00
2001	1	01	416.0	322.0 3	542.0	424.0 3	697.0	379.0	504.0	842.0	532.0	892.0	960.0	793.0	322.00 3
2002	1	01	637.0	226.0	196.0	219.0	243.0	478.0	629.0	567.0	784.0	494.0	463.0	361.0	196.00
2003	1	01	331.0	196.0 3	538.4 8	495.1 8	537.1 8	503.0 8	493.9 8	579.5 8	507.9 8	*	508.3 3	696.5 3	196.00 3
2004	1	01	327.8 8	335.8 8	346.6 8	358.8 3	678.6	462.0 3	399.4 8	444.7 3	426.8 8	498.4 8	719.4	526.4 8	327.80 3
2005	1	01	464.9 8	488.4 3	506.4 3	462.1 3	492.4 3	572.9 8	379.2 8	500.1 8	533.7 3	540.4 1	902.3 3	520.5 3	379.20 3
2006	1	01	649.9 1	402.8 3	595.4 1	433.9 8	603.8 1	568.7 1	510.0 3	555.9 3	458.2 8	480.0 8	621.8 1	464.3 8	402.80 3
2007	1	01	388.2 8	301.0 3	450.4 8	654.9 3	628.4 3	742.1 1	415.0 8	599.0 3	605.1 3	553.1 1	649.4 3	753.4 1	301.00 3
2008	1	01	601.1 1	371.3 3	402.0 8	492.9 8	778.4 3	477.3 3	590.8 1	499.5 3	502.8 8	553.3 1	895.5 3	703.7 3	371.30 3
2009	1	01	565.3 3	570.2 1	483.1 8	541.5 1	470.3 8	550.1 3	580.3 1	712.4 1	523.3 3	592.2 8	541.8 8	506.2 8	470.30 3
2010	1	01	161.2 8	209.0 3	303.9 8	561.9 1	616.9 1	684.9 3	632.1 1	718.1 1	491.8 3	637.3 1	1784 8	1110 1	161.20 3
2011	1	01	624.6 1	483.5 8	253.6 8	650.7 1	486.0 8	585.3 3	719.1	399.5 8	374.7 8	351.0 3	689.7 3	853.4 3	253.60 3
2012	1	01	1052	345.8 8	415.3 8	402.9 8	673.7	268.2 8	250.5 8	499.0	403.7 8	*	*	*	250.50 3
2013	1	01	255.7 8	554.6 1	368.1 8	351.0 8	421.3 8	580.7	462.1 1	713.8	577.2	415.3 8	530.7	428.1 8	255.70
MEDIOS			432.8	376.1	347.9	426.4	572.4	542.4	463.9	535.4	556.2	588.7	647.9	549.7	503.32
MAXIMOS			1052	831.0	669.0	856.0	909.0	839.0	748.0	1216	1092	1035	1784	1110	1784.00
MINIMOS			113.7	170.0	92.80	130.2	243.0	268.2	250.0	229.0	266.0	327.0	294.0	246.0	92.80

# ESTACIÓN BELLAVISTA MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO :		2015/02/25										ESTACION : 11077010 BELLAVISTA				
LATITUD	0633 N	TIPO EST	LM	DEPTO	CHOCO	FECHA-INSTALACION	1966-MAY									
LONGITUD	7653 W	ENTIDAD	01 IDEAM	MUNICIPIO	BOJAYA	FECHA-SUSPENSION										
ELEVACION	12 m.s.n.m	REGIONAL	01 ANTIOQUIA	CORRIENTE	ATRATO											
A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL	
1968	4	33	2990	2207	2451	3400	3038	3500	3630	3724	3236	3367	3468	3750	3750.00	
1969	4	33	2420	2245	2944	3372	3600	3642	2955	3540	3540	4202	3458	3400	4202.00	
1970	2	01	3304	3740	2700	3900	3860	3680	2490	3297	3635	3218	3337	2994	3900.00	
1971	2	01	3736	3440	3784	3378	2880	3330	3604	2970	2910	3165	3198	2772	3784.00	
1972	2	01	3132	3245	2000	2126	2667	3213	1975	2630	2910	2886	2642	2526	3245.00	
1973	2	01	1809	904.0	2083	2176	2730	3359	3264	3640	3746	3834	4133	4133	4133.00	
1974	2	01	3618	3690	3251	2654	2683	2970	3352	3297	3033	3654	3698	3066	3698.00	
1975	2	01	2233	2659	2030	1887	3185	3290	3546	4066	3914	3145	3954	3914	4066.00	
1976	2	01	2964	2332	1887	2218	3007	3178	3139	2410	2959	2630	3409	2700	3409.00	
1977	2	01	1680	2035	1869	2427	3251	3046	2742	2994	2778	3532	2880	2700	3532.00	
1978	2	01	1934	1763	2049	3690	3625	3438	2916	2838	2659	3000	3152	3481	3690.00	
1979	2	01	2150	1786	2642	3079	2760	3251	3218	2826	2970	3676	3402	2700	3676.00	
1980	2	01	2642	2480	2078	2474	2766	3251	2619	2590	2958	3304	3231	3359	3359.00	
1981	2	01	2677	3231	3914	3125	2976	3092	2772	3013	2892	3310	3730	3424	3914.00	
1982	2	01	3770	3165	2605	2344	3208	2500	2798	2390	3080	2723	1780	1	3770.00	
1983	2	01	1276	780.0	1755	2670	2577	2975	2514	2528	3680	3191	2351	2577	3680.00	
1984	2	01	3216	3208	3486	3114	3123	3486	3250	3080	3140	3850	4245	4049	4245.00	
1985	2	01	3089	2240	2046	2114	3280	3325	2865	3208	2745	3562	3378	3225	3562.00	
1986	2	01	2292	1953	1947	3778	3743	3438	3410	2542	2648	2790	3370	1795	3778.00	
1987	2	01	1460	1412	2266	3333	3318	2429	3689	3310	3922	3325	3089	3635	3922.00	
1988	2	01	3268	2632	1964	3805	3760	3115	3640	4394	3648	4553	4030	4133	4553.00	
1989	2	01	4006	2965	2162	2639	3450	3712	3525	3289	3600	2988	3548	3648	4006.00	
1990	2	01	3518	2336	2619	3495	3480	3314	2420	3085	2580	3942	4124	4070	4124.00	
1991	2	01	3280	2102	3232	3085	3712	3578	3093	3055	3480	3306	3382	4214	4214.00	
1992	2	01	2575	3080	3050	2445	3050	2685	3332	3470	3470	2823	3230	3188	3470.00	
1993	2	01	3014	2351	2403	2806	3639	3558	3380	2979	2950	3776	3863	3484	3863.00	
1994	2	01	3074	2680	3673	3849	3605	3464	3362	4135	3422	3871	4030	4310	4310.00	
1995	2	01	2035	1660	1930	2755	3008	2852	2879	2755	2770	2951	3533	3000	3533.00	
1996	2	01	3600	3360	3510	3623	3443	3668	3788	3675	3360	3450	3563	3375	3788.00	
1997	2	01	3173	3263	2360	2510	2400	2780	2550	1810	2025	2300	3563	3000	3563.00	
1998	2	01	1801	2569	2197	3169	3729	3624	3477	3526	3582	3291	3811	3505	3811.00	
1999	1	01	3758	3841	3849	3366	3554	3210	2844	3505	3948	3864	4460	4312	4460.00	
2000	1	01	3237	3291	3400	3250	3902	3386	3148	3498	4039	3970	4077	3512	4077.00	
2001	1	01	2644	2236	2470	2592	3298	3393	3114	3237	3237	3114	4107	4092	4107.00	
2002	1	01	3411	1852	2061	3631	3730	2423	3098	2776	2959	2796	3329	3548	3730.00	
2003	1	01	*	*	2541	2944	4089	3241	3826	3340	3302	3990	3710	3602	4089.00	
2004	1	01	3181	1814	2092	3160	3455	3371	2768	3106	3147	3214	3228	3262	3455.00	
2005	1	01	4089	3066	3743	3494	3052	2680	2883	3025	3671	3834	4031	3752	4089.00	
2006	1	01	3201	3891	2721	3126	3776	3425	3045	2809	2863	3072	3282	3548	3891.00	
2007	1	01	2870	1522	2897	4023	3990	3826	3425	4115	3409	3801	4224	3710	4224.00	
2008	1	01	3663	2620	2633	2633	3245	3140	3177	3334	2984	2948	3642	3642	3663.00	
2009	1	01	3830	3167	2529	2845	3052	3125	3198	3440	2907	2773	2773	2917	3830.00	
2010	1	01	3035	2041	2967	3320	3333	3547	3276	4128	3711	3672	4403	4361	4403.00	
2011	1	01	4176	3295	2806	3844	3449	3885	3891	2942	2708	3858	4107	4403	4403.00	
2012	1	01	4107	3731	2654	2985	3111	2942	3054	3244	2818	2979	3685	3811	4107.00	
2013	1	01	2721	3117	3404	2867	3180	3282	3016	3436	3449	2905	3731	3844	3844.00	
MEDIOS			2970	2600	2645	3033	3299	3253	3130	3196	3195	3364	3572	3440	3141.36	
MAXIMOS			4176	3891	3914	4023	4089	3885	3891	4394	4039	4553	4460	4403	4553.00	
MINIMOS			1276	780.0	1755	1887	2400	2423	1975	1810	2025	2300	2351	1780	780.00	

# ESTACIÓN BELLAVISTA MÍNIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25

ESTACION : 11077010 BELLAVISTA

LATITUD 0633 N  
LONGITUD 7653 W  
ELEVACION 12 m.s.n.m

TIPO EST LM  
ENTIDAD 01 IDEAM  
REGIONAL 01 ANTIOQUIA

DEPTO CHOCO  
MUNICIPIO BOJAYA  
CORRIENTE ATRATO

FECHA-INSTALACION 1966-MAY  
FECHA-SUSPENSION

\*\*\*\*\*  
A#O EST ENT ENERO \* FEBRE \* MARZO \* ABRIL \* MAYO \* JUNIO \* JULIO \* AGOST \* SEPTI \* OCTUB \* NOVIE \* DICIE \* VR ANUAL \*  
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A#O	EST	ENT	ENERO *	FEBRE *	MARZO *	ABRIL *	MAYO *	JUNIO *	JULIO *	AGOST *	SEPTI *	OCTUB *	NOVIE *	DICIE *	VR ANUAL *
1968	1	01		1452 8	1444 8	1472 8	1503 8	1486 8	1516 8	1593 8	1597 8	1699 8	1686 8	1753 8	1444.00 3
1969	1	01	1785 8	1778 8	1760 8	1775 8	1722 8	1696 8	1716 8	1704 8	1737 8	1640 8	1606 8	1689 8	1606.00
1970	2	01	2249	1186 6	991.0 6	1738	2346	2128	1211 6	1944	2282 6	2644	2639	2182	991.00
1971	2	01	2374	2690 6	2013	2192	2004	2251	2236	2112	2160	2018	2059	1763	1763.00
1972	2	01	2419	690.0 6	591.0 6	794.0 6	1116 6	1157	852.0 6	745.0	2054	1335	2264	811.0	591.00
1973	2	01	692.0	532.0 6	528.0 6	1177	1786	2337	2218	1862	2787	3073	3564	2826	528.00
1974	2	01	2829	2109	1431	1255	1910	1901	2361	1823	2054	2784	2601	1430	1255.00
1975	2	01	1373	1032	845.0	895.0	1664	2225	1905	2578	2748	2823	2584	3033	845.00
1976	2	01	1726	1002	670.0	520.0	1659	2085	1073	1039	1229	1299	1164	966.0	520.00
1977	2	01	473.0	815.0	500.0	494.0	2189	1189	1348	1770	1134	2549	1554	1160	473.00
1978	2	01	592.0	603.0	449.0	1443	2426	2607	1473	1112	1611	2431	1804	1866	449.00
1979	2	01	934.0	889.0	947.0	1394	1731	1565	1312	1008	1908	1818	1594	1442	889.00
1980	2	01	1430	1168	954.0	838.0	2030	1537	1371	1364	1887	2283	2149	2612 1	838.00
1981	2	01	1305	1871	1461	1265	1749	2240 1	1665 1	1554 1	1195	1680	2555	2342	1195.00
1982	2	01	1833	1520	1104	1375	1936	1220	1593	1209	1553	1662	1275 1	831.0 1	831.00
1983	2	01	300.0	230.0	587.0	992.0	1488	1639 1	1193 1	1199 1	1680	1694 1	1691 1	1465 1	230.00
1984	2	01	1979	2071	1122	2059 1	2019 1	2906 1	1768	1692 1	1854 1	2218 1	3443 1	2338	1122.00
1985	2	01	1272	1090	592.0	1318	1265 1	1194 1	1649 1	1738	1819 1	1580 1	1642 1	1527 1	592.00
1986	2	01	918.0	978.0	688.0	1660 1	2337 1	1266 1	1058 1	977.0 1	954.0 1	1738 1	1800	1105 1	688.00
1987	2	01	425.0	360.0	502.0	1290 1	1693 1	1158 1	1562 1	1836 1	2142 1	1711 1	2078 1	1201 1	360.00
1988	2	01	866.0 1	1001 1	698.0	950.0	2135	1355	2050	3014 1	2055	3130	3033	3201 1	698.00
1989	2	01	2509	1060	740.0	1065	1633	2234	1378	2038	2298 1	2077 1	2295 1	2492	740.00
1990	2	01	1240	970.0	755.0	1204 1	2101 1	1395 1	1286	1533	2025	2611 1	3306	1512	755.00
1991	2	01	1341	607.0	1240	1169	1876	2770 1	1990	1525	1503	1454 1	1854 1	2450 1	607.00
1992	2	01	1451 1	1692	1686	1310	1636	1572	1764	2079	2447	1575 1	1629 1	1685	1310.00
1993	2	01	1915	1267	1474	1610	2610	1776	1997	1410	2440 1	2266 1	2421	2904 1	1267.00
1994	2	01	1539 1	1270	1600	2588	2968 8	2563	1818	2863 1	2792	2354	2468	1731 1	1270.00
1995	2	01	700.0 8	783.0 8	779.0 8	1955	2398	1980	1620	1616 1	1669 1	2428 1	2253 1	2383	700.00
1996	2	01	2035	2035	1689	2388	2635 8	1960	2530	2080	2438	1720	1618	1352	1352.00
1997	2	01	2430	2318	734.0 8	815.0 8	1313	2100	1070	1017	1527 1	1467 1	1790 1	979.0 1	734.00
1998	2	01	801.0 8	904.0 8	786.0 8	955.0 8	1527	2644	2358	2065	2449	2740 8	3240 8	2572 1	786.00
1999	1	01	2572 1	2683 1	2131 1	2141 1	2590 1	2667 1	1992 1	2498	2485	2985	3336 1	3296 1	1992.00
2000	1	01	2213 1	2518 1	2220	2262	3210	2479	2140	1580	3126 1	2835 1	2880	2455	1580.00
2001	1	01	1451	1269	1224	1205	2236	1935	1966	2008	1961	2162	2001	2722 1	1205.00
2002	1	01	1562	1042	814.0	1061	1182	1100	1995 1	1603 1	2347 1	1718 1	2300	2049	814.00
2003	1	01	1210	1228	795.1 3	1930	2499	1710	2047	1969	1972	3133	2685 1	2327 1	795.10 3
2004	1	01	937.7 1	676.5 8	661.8 8	555.4 8	2570 1	1549 1	1900 1	1569 1	1605 1	2085 1	2200 1	1784 1	555.40
2005	1	01	1386	1504	1863	2246 1	1642 1	1499 1	1315 1	1374 1	1992	2714 1	3602 8	2765 1	1315.00
2006	1	01	2068 3	627.6 8	1825 1	1865 1	2834 1	2208 1	1285 1	2097 1	1327 1	1306 1	2372 1	2163 3	627.60 3
2007	1	01	1599 1	117.0 8	548.9 8	2618 1	3090 1	3416 1	1425 1	1540 1	1957 1	2579 1	2934 1	3262 1	117.00
2008	1	01	1963 1	1070 3	1125 1	1278 1	2289 3	2730	2471	2117	1538	1832	2912	3117 8	1070.00 3
2009	1	01	2933	2489	1609	2132	2248	1930	2214	1898	1811	1976	2328	2199	1609.00
2010	1	01	601.5 8	617.4 8	1129 8	2066	2371	2995	2363	3240 8	2733	2371	3665 8	3781 8	601.50
2011	1	01	3108 8	1996	1833	2561	2549	2992	2831	1780	1963	2137	3089	3292 8	1780.00
2012	1	01	2874	2160	1313	1507	2371	1395	1004 8	1887	1712	2103	2235	2114	1004.00f
2013	1	01	743.7 8	1405	2024	1940	1747	2310	2197	3023	2401	2041	2748	2331	743.70
MEDIOS			1577	1291	1141	1507	2062	1979	1741	1789	1977	2141	2368	2114	1807.25
MAXIMOS			3108	2690	2220	2618	3210	3416	2831	3240	3126	3133	3665	3781	3781.00
MINIMOS			300.0	117.0	449.0	494.0	1116	1100	852.0	745.0	954.0	1299	1164	811.0	117.00f

# ESTACIÓN NEGUA MÁXIMOS

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

VALORES MAXIMOS MENSUALES DE CAUDALES (m3/seg)

FECHA DE PROCESO : 2015/02/25  
LATITUD 0549 N  
LONGITUD 7637 W  
ELEVACION 0035 m.s.n.m

TIPO EST LM  
ENTIDAD 01 IDEAM  
REGIONAL 01 ANTIOQUIA

DEPTO CHOCO  
MUNICIPIO QUIBDO  
CORRIENTE NEGUA

ESTACION : 11047030 NEGUA  
FECHA-INSTALACION 1975-MAY  
FECHA-SUSPENSION

\*\*\*\*\*  
A#O EST ENT ENERO \* FEBRE \* MARZO \* ABRIL \* MAYO \* JUNIO \* JULIO \* AGOST \* SEPTI \* OCTUB \* NOVIE \* DICIE \* VR ANUAL \*  
\*\*\*\*\*

1976	2	01	370.0	6	255.0	6	190.0	6	253.5	6	353.4	8	336.2	8	430.0	8	512.1	8	192.0	178.0	453.5	8	372.5	8	512.10
1977	2	01	349.0	8	223.0	6	157.0	6	337.0	6	439.0	6	379.0	6	479.2	186.0	336.2	8	503.8	8	457.0	8	465.2	8	503.80
1978	2	01	187.0	8	302.8	8	503.5	8	520.0	6	500.0	6	504.0	6	393.0	6	407.0	6	487.0	6	139.6	238.6			520.00
1979	2	01	97.50	8	208.3	8	128.2	8	400.2	8	652.0	8	423.2	8	422.1	8	323.0	8	304.2	8	509.0	8	509.0	8	652.00
1980	2	01	399.6	6	285.0	6	95.50	8	98.50	8	94.50	8	192.0	8	171.5	8	289.0	8	212.5	8	289.0	8	300.5	8	399.60
1981	2	01	410.0	8	454.0	8	544.0	8	476.0	8	498.0	8	346.0	6	307.0	6	347.0	6	342.0	6	346.0	6	495.0	6	544.00
1982	2	01	534.7	8	478.6	8	411.5	8	372.5	8	412.7	4	400.5	8	418.8	8	385.9	8	449.3	8	494.5	8	261.6	253.0	534.70
1983	2	01	156.0	6	130.8	6	335.8	6	320.0	6	317.0	6	282.0	6	80.00	6	82.40	6	255.0	6	318.0	6	237.0	6	335.80
1984	2	01	312.6	6	333.8	6	284.9	6	307.9	6	304.3	6	365.1	6	316.6	6	201.2	6	217.3	6	255.0	6	255.0	6	365.10
1985	2	01	255.0	6	115.6	6	202.9	6	184.0	6	220.0	6	255.0	6	255.0	6	255.0	6	166.0	6	166.0	6	166.0	6	255.00
1986	2	01	166.0	6	151.1	6	166.0	6	166.0	6	166.0	6	166.0	6	275.0	6	151.1	6	213.7	6	343.0	6	326.0	3	343.00
1988	2	01	297.0	8	255.0	3	267.0	3	266.0	3	266.0	8	297.0	3	266.0	3	297.0	8	297.0	8	297.0	8	297.0	8	297.00
1989	2	01	297.0	8	297.0	3	124.4	8	282.0	8	228.0	8	284.0	3	282.0	8	286.0	3	282.0	3	261.6	3	278.0	3	299.00
1990	2	01	337.0	8	219.0	8	248.4	8	388.0	8	417.0	3	260.5	8	164.0	3	324.0	3	252.8	8	499.4	8	352.0	8	499.40
1991	2	01	249.5	8	156.0	8	270.0	8	219.0	8	286.0	8	261.6	8	263.8	8	229.0	8	182.2	3	190.0	8	273.0	8	286.00
1992	2	01	218.0	8	153.0	8	222.0	8	281.0	8	252.8	8	282.0	8	285.0	8	261.6	8	302.0	8	305.0	8	240.0	8	305.00
1993	2	01	264.9	8	219.0	8	208.5	8	255.0	8	269.0	8	261.6	8	275.0	8	261.6	8	229.0	8	302.0	8	219.0	8	302.00
1994	2	01	249.5	8	275.0	8	255.0	8	288.2	8	240.0	8	268.0	8	231.0	8	304.0	8	293.7	8	293.7	8	290.4	8	304.00
1995	2	01	199.4	8	299.0	8	114.5	8	212.9	8	282.0	8	304.0	8	163.0	8	175.9	8	286.0	8	305.0	8	280.0	8	305.00
1996	2	01	241.0	8	268.0	8	278.0	8	233.0	8	292.6	8	257.2	8	292.6	8	221.0	8	273.0	8	271.0	8	211.8	8	292.60
1997	2	01	310.0	8	443.9	8	226.0	3	221.0	8	415.0	8	312.0	8	413.0	8	209.6	8	307.0	8	246.2	8	456.3	8	456.30
1998	2	01	202.1	8	408.0	8	195.8	8	228.0	8	255.0	8	303.0	8	248.4	8	366.0	8	308.0	8	303.0	8	407.0	8	408.00
1999	1	01	438.5	8	246.2	8	326.0	8	274.0	8	270.0	8	498.0	8	262.7	8	288.2	8	414.0	8	396.0	8	417.5	8	498.00
2000	1	01	333.0	8	230.0	8	358.0	8	275.0	8	409.0	8	246.2	8	383.0	8	276.0	8	264.9	8	233.0	8	261.6	8	409.00
2001	1	01	310.0	8	191.0	8	174.1	8	174.1	8	442.4	8	228.0	8	313.0	8	309.0	8	203.0	8	387.0	8	309.0	8	442.40
2002	1	01	423.0	8	229.0	8	205.2	8	436.2	8	379.0	8	249.5	8	454.7	8	456.3	8	407.0	8	205.2	8	308.0	8	456.30
2003	1	01	316.0	8	208.5	8	312.0	8	306.0	8	316.0	3	310.0	8	314.0	8	364.0	8	379.0	8	437.8	8	294.8	3	437.80
2004	1	01	*		*		*		*		*		*		*		*		*		*		*		
2005	1	01	*		*		334.5	3	348.8	3	*		*		*		*		*		347.5	8	489.3	3	489.30
2006	1	01	212.9	3	468.9	3	423.2	3	454.5	3	423.2	3	*		295.1	3	275.0	3	328.0	3	324.1	3	347.5	8	489.30
2007	1	01	474.3	3	*		500.5	3	334.5	3	328.0	3	438.4	8	318.8	8	462.5	8	489.3	8	334.5	8	380.0	3	500.50
2008	1	01	412.6	8	380.0	8	131.4	8	470.5	8	443.2	8	357.9	8	226.2	3	401.0	8	314.9	8	203.3	8	380.0	3	470.50
2009	1	01	251.6	8	343.6	8	440.0	3	343.6	3	258.1	8	405.2	3	238.2	8	325.4	8	255.5	8	339.7	8	189.8	8	440.00
2010	1	01	145.7	8	192.1	8	334.3	8	371.4	8	339.3	8	237.4	8	242.0	8	327.4	3	170.3	8	293.2	8	379.5	8	583.50
2011	1	01	389.0	8	391.3	8	255.0	8	273.0	8	476.8	3	447.5	3	395.8	3	510.5	3	301.0	8	501.5	8	602.0	3	602.00
2012	1	01	515.0	8	425.0	8	255.0	8	470.0	3	470.0	8	580.0	8	454.3	3	519.3	3	123.0	3	295.0	8	564.6	8	580.00
2013	1	01	510.5	3	602.0	3	275.0	3	602.0	3	483.5	8	580.0	8	425.0	8	602.0	8	*		*		*		602.00
MEDIOS			309.6		289.4		269.1		317.5		348.5		332.9		307.3		319.8		289.6		327.5		338.0		314.93
MAXIMOS			534.7		602.0		544.0		602.0		652.0		580.0		479.2		602.0		489.3		509.0		602.0		652.00
MINIMOS			97.50		115.6		95.50		98.50		94.50		166.0		80.00		82.40		123.0		166.0		139.6		80.00

# ESTACIÓN NEGUA MÍNIMOS

VALORES MINIMOS MENSUALES DE CAUDALES (m3/seg)

SISTEMA DE INFORMACION  
NACIONAL AMBIENTAL

FECHA DE PROCESO : 2015/02/25

ESTACION : 11047030 NEGUA

LATITUD 0549 N

TIPO EST

LM

DEPTO CHOCO

FECHA-INSTALACION

1975-MAY

LONGITUD 7637 W

ENTIDAD 01 IDEAM

MUNICIPIO QUIBDO

FECHA-SUSPENSION

ELEVACION 0035 m.s.n.m

REGIONAL 01 ANTIOQUIA

CORRIENTE NEGUA

A#O	EST	ENT	ENERO	FEBRE	MARZO	ABRIL	MAYO	JUNIO	JULIO	AGOST	SEPTI	OCTUB	NOVIE	DICIE	VR ANUAL
1976	2	01	30.40 6	20.40 6	15.30 6	15.30 6	32.20 8	35.90	13.80	16.10	17.40	28.60	20.00	23.40	13.80
1977	2	01	6.100	17.40	16.70 6	16.60 6	33.30 6	22.10 6	38.40	42.80	33.30	44.90	28.70	21.00	6.10
1978	2	01	24.80	34.80	20.70	26.80	36.20 6	34.10 6	25.80 6	21.80 6	27.10 6	37.90 6	19.20	55.70	19.20
1979	2	01	20.00	20.00	13.50	23.70	30.40	26.80	27.20	30.40	34.40	26.80	9.500	24.50 6	9.50
1980	2	01	24.70 6	21.60 6	30.40	34.40	30.40	30.40	26.80	26.80	37.70	37.70	41.50	45.70	21.60
1981	2	01	26.80	37.70	30.40	30.40	30.40 3	30.10 6	29.70 6	30.10 6	29.70 6	29.90 6	35.50 6	32.10 6	26.80 3
1982	2	01	42.00	33.40	33.30	29.70	31.80	26.50	26.80	26.80	27.90	32.60	27.20	30.40 3	26.50 3
1983	2	01	33.00 6	18.00 6	36.70 3	34.70	34.50	34.00	37.00	37.20	42.30	37.00	40.20	37.20 6	18.00 3
1984	2	01	59.70 6	60.10 6	58.60 6	59.30 6	59.20 6	60.90 6	59.50 6	32.60	34.50	43.60	50.90	44.00	32.60
1985	2	01	40.00	32.20	31.20	31.20	31.20	32.60	31.20	34.00	36.00	32.70	34.00	39.50	31.20
1986	2	01	34.00	34.00	34.00	34.00	34.70	34.00	34.00	34.00	34.00	34.20	36.70	34.00 3	34.00 3
1988	2	01	33.00	33.00 3	33.00 3	33.00 3	33.00	33.00 3	33.00 3	40.00	33.00	40.00	61.00	47.50 3	33.00 3
1989	2	01	45.30	33.30 3	30.30	27.30	31.50	39.40 3	27.00	33.40 3	35.40 3	36.80 3	*	42.00 3	27.00 3
1990	2	01	27.90	27.00	30.60	40.10	30.00 3	27.00	27.00 3	27.00 3	33.10	33.70	37.20	37.50	27.00 3
1991	2	01	27.00	27.00	33.40	40.20	48.10	46.80	46.20	31.20	42.80 3	29.70	36.50	34.80	27.00 3
1992	2	01	27.00	27.00	30.00	28.20	37.80	34.10	50.30	33.00	44.80	29.70	30.90	51.60	27.00
1993	2	01	45.20	20.20	19.60	28.50	41.70	24.30	32.20	22.30	41.60	47.30	40.50	31.50	19.60
1994	2	01	22.00	10.90	37.20	37.50	29.70	34.90	29.10	39.80	50.30	32.20	29.70	23.70	10.90
1995	2	01	15.70	15.00	21.70	50.40	62.80	33.80	30.00	21.90	39.90	47.30	46.80	52.50	15.00
1996	2	01	44.70	33.60	41.40	45.80	44.90	44.70	48.40	24.30	41.00	32.40	59.30	14.60	14.60
1997	2	01	66.40	52.10	12.10 3	14.60	26.70	56.70	18.80	10.70	30.00	47.30	25.80	12.20	10.70 3
1998	2	01	15.80	25.50	17.80	35.30	52.50	40.30	40.10	37.60	46.90	40.30	46.10	46.70	15.80
1999	1	01	57.40	48.40	15.70	32.40	48.00	48.40	21.10	45.40	41.70	55.30	50.50	41.40	15.70
2000	1	01	43.30	35.00	17.50	21.00	48.80	40.50	42.60	40.20	44.50	44.90	49.30	38.70	17.50
2001	1	01	20.40	12.50	26.20	19.70	30.90	40.80	45.30	44.20	32.00	37.20	35.10	40.80	12.50
2002	1	01	34.70	21.60	20.50	30.70	32.30	25.80	49.70	23.80	22.60	20.70	38.70	40.00	20.50
2003	1	01	16.70	33.40	33.10	30.00	39.80 3	61.00	42.80	44.00	27.30	36.70	38.60 3	33.50	16.70 3
2004	1	01	15.30	27.60	28.90	34.70 3	30.70	34.70	32.30	25.80	46.30 3	36.20 3	36.90	26.10	15.30 3
2005	1	01	32.80 3	*	*	21.33 3	29.22 3	*	*	*	*	36.40	52.95	44.37 3	21.33 3
2006	1	01	36.67 3	45.93 3	30.22 3	35.95 3	43.47 3	*	36.71 3	25.05 8	20.59 3	40.53 3	36.40	62.01 3	20.59 3
2007	1	01	19.85 3	*	23.53 3	27.74 8	39.72 3	41.91	25.87	27.32	33.99	29.93	48.26 3	39.95	19.85 3
2008	1	01	32.25	24.51 8	15.93 8	23.78 8	33.12	34.86	28.48 3	29.35	24.51 8	32.88	57.06 3	40.66 3	15.93 3
2009	1	01	36.98	31.38	12.08 3	36.20 3	31.96	34.28 3	23.77 8	27.32	30.22	33.70	40.04	34.95	12.08 3
2010	1	01	27.19 8	28.04 8	42.10	33.85	38.67	33.26	37.26	41.51 3	38.54	38.22	47.09	71.89	27.19 3
2011	1	01	23.83 8	27.70 8	20.05 8	53.63	48.13 3	70.77 3	34.83 3	21.25 8	25.08 8	24.17 8	24.17 3	33.85 3	20.05 3
2012	1	01	20.13 8	38.40	28.33	18.25 3	18.70 8	18.10 8	17.05 3	17.50 3	17.05 3	18.40 8	22.23 8	21.02 3	17.05 3
2013	1	01	19.53 3	17.50 3	18.70 3	23.95 3	22.38 8	30.27	30.27	32.22	*	*	*	*	17.50 3
MEDIOS			31.04	29.32	26.69	31.36	36.73	37.06	33.34	30.52	34.21	35.77	38.13	37.54	33.48
MAXIMOS			66.40	60.10	58.60	59.30	62.80	70.77	59.50	45.40	50.30	55.30	61.00	71.89	71.89
MINIMOS			6.100	10.90	12.08	14.60	18.70	18.10	13.80	10.70	17.05	18.40	9.500	12.20	6.10*

RIO SAN JUAN								
CÓDIGO ESTACIÓN	NOMBRE	TIPO DE ESTACIÓN	COORDENADAS		ELEVACIÓN	DEPARTAMENTO	MUNICIPIO	
			LATITUD	LONGITUD				
5409701	Peñitas	LG	4.0°17.0' N	77.0°1.0' W	7.0 msnm	Chocó	El Litoral del San Juan	43 años
5405701	Naonama Aserrio	LG	4.0°40.0' N	76.0°56.0' W	16.0 msnm	Chocó	Medio San Juan	46 años
5402703	Salado El	LG	4.0°52.0' N	76.0°51.0' W	45.0 msnm	Chocó	Medio San Juan	35 años
5402704	Mampi	LG	4.0°56.0' N	76.0°35.0' W	60.0 msnm	Chocó	Nóvita	39 años
5402702	Bocas de Iro	LG	5.0°6.0' N	76.0°40.0' W	90.0 msnm	Chocó	Condoto	No hay datos
5401703	Itsmína Automática	LG	5.0°9.0' N	76.0°40.0' W	90.0 msnm	Chocó	Itsmína	39 años
5401704	Tado Automática	LG	5.0°15.0' N	76.0°33.0' W	100.0 msnm	Chocó	Tado	33 años

RIO ATRATO								
CÓDIGO ESTACIÓN	NOMBRE	TIPO DE ESTACIÓN	COORDENADAS		ELEVACIÓN	DEPARTAMENTO	MUNICIPIO	
			LATITUD	LONGITUD				
1101701	Aguasal	Lm	5.0°28.0' N	76.0°32.0' W	75.0 msnm	Chocó	Lloró	37 años
1102705	Gindrana	LG	5.0°31.0' N	76.0°31.0' W	75.0 msnm	Chocó	Lloró	31 años
1103703	La Loma Pueblo Nuevo Automática	Lm	5.0°35.0' N	76.0°45.0' W	72.0 msnm	Chocó	Rio Quito	
1103701	San Isidro	Lm	5.0°37.0' N	76.0°44.0' W	30.0 msnm	Chocó	Rio Quito	35 años
1104701	Belén	LG	5.0°45.0' N	76.0°40.0' W	20.579 msnm	Chocó	Quibdó	39 años
1107701	Bellavista	LG	6.0°33.0' N	76.0°53.0' W	12.0 msnm	Chocó	Bojayá	45 años
1110701	Domingodo	Lm	7.0°10.0' N	77.0°2.0' W	4.0 msnm	Chocó	Cármén del Darien	
1114701	Riosucio	Lm	7.0°26.0' N	77.0°7.0' W	9.307 msnm	Chocó	Riosucio	No hay datos
1104703	Negua	Lm	5.0°49.0' N	76.0°37.0' W	35.0 msnm	Chocó	Quibdó	37 años

\*\* CONVENCIONES \*\*

EST = ESTADO DE LA INFORMACION

\*\* AUSENCIAS DE DATO \*\*

\*\* ORIGENES DE DATO \*\*

- 1 : Preliminares Ideam
- 2 : Definitivos Ideam
- 3 : Preliminares Otra Entidad
- 4 : Definitivos Otra Entidad

- 1 : Ausencia del observ
- 2 : Desperfecto instru.
- 3 : Ausencia instrument
- 4 : Dato rechazado
- 6 : Nivel superior
- 7 : Nivel inferior
- 8 : Curva de gastos
- 9 : Seccion inestable
- A : Instr. sedimentado
- M : Maximo no extrapol.
- \* : Datos insuficientes

- 1 : Registrados
- 3 : Incompletos
- 4 : Dudosos
- 6 : Est. Regresion
- 7 : Est. Interpolacion
- 8 : Est. Otros metodos
- 9 : Generados (Series)