

CAPTURAR BOLETIN

AÑO	EVAPORACION		USO CONSUNTIVO				RETORNOS			SUMA		
	A. L. R.	SUMA	URDR	A. L. R. DR	P.U.	SUMA	SUMA TOTAL UC	agricola	p.u.			
1945	-	1.20	1.204	12.72	6.72	-	19.44	1.38	20.82	1.94	1.22	3.17
1946	-	1.228	1.228	12.97	6.86	-	19.83	1.41	21.23	1.98	1.25	3.23
1947	-	1.253	1.253	13.23	6.99	-	20.22	1.44	21.66	2.02	1.27	3.29
1948	-	1.278	1.278	13.49	7.13	-	20.63	1.46	22.09	2.06	1.30	3.36
1949	-	1.304	1.304	13.76	7.28	-	21.04	1.49	22.53	2.10	1.32	3.43
1950	-	1.330	1.330	14.04	7.42	-	21.46	1.52	22.98	2.15	1.35	3.50
1951	-	1.356	1.356	14.32	7.57	-	21.89	1.55	23.44	2.19	1.38	3.56
1952	-	1.383	1.383	14.61	7.72	-	22.33	1.58	23.91	2.23	1.40	3.64
1953	-	1.411	1.411	14.90	7.88	-	22.77	1.62	24.39	2.28	1.43	3.71
1954	-	1.439	1.439	15.20	8.03	-	23.23	1.65	24.88	2.32	1.46	3.78
1955	-	1.468	1.468	15.50	8.19	-	23.69	1.68	25.38	2.37	1.49	3.86
1956	-	1.497	1.497	15.81	8.36	-	24.17	1.72	25.88	2.42	1.52	3.94
1957	-	1.527	1.527	16.13	8.52	-	24.65	1.75	26.40	2.47	1.55	4.01
1958	-	1.558	1.558	16.45	8.70	-	25.14	1.78	26.93	2.51	1.58	4.10
1959	-	1.589	1.589	16.78	8.87	-	25.65	1.82	27.47	2.56	1.61	4.18
1960	-	1.621	1.621	17.11	9.05	-	26.16	1.86	28.02	2.62	1.64	4.26
1961	-	1.653	1.653	17.46	9.23	-	26.68	1.89	28.58	2.67	1.68	4.35
1962	-	1.686	1.686	17.80	9.41	-	27.22	1.93	29.15	2.72	1.71	4.43
1963	-	1.720	1.720	18.16	9.60	-	27.76	1.97	29.73	2.78	1.75	4.52
1964	-	1.754	1.754	18.52	9.79	-	28.32	2.01	30.33	2.83	1.78	4.61
1965	-	1.790	1.790	18.89	9.99	-	28.88	2.05	30.93	2.89	1.82	4.70
1966	-	1.825	1.825	19.27	10.19	-	29.46	2.09	31.55	2.95	1.85	4.80
1967	-	1.862	1.862	19.66	10.39	-	30.05	2.13	32.18	3.00	1.89	4.89
1968	-	1.899	1.899	20.05	10.60	-	30.65	2.18	32.83	3.07	1.93	4.99
1969	-	1.937	1.937	20.45	10.81	-	31.26	2.22	33.48	3.13	1.97	5.09
1970	-	1.976	1.976	20.86	11.03	-	31.89	2.26	34.15	3.19	2.00	5.19
1971	-	2.015	2.015	21.28	11.25	-	32.53	2.31	34.84	3.25	2.04	5.30
1972	-	2.056	2.056	21.70	11.47	-	33.18	2.35	35.53	3.32	2.09	5.40
1973	-	2.097	2.097	22.14	11.70	-	33.84	2.40	36.24	3.38	2.13	5.51
1974	-	2.139	2.139	22.58	11.94	-	34.52	2.45	36.97	3.45	2.17	5.62
1975	-	2.181	2.181	23.03	12.18	-	35.21	2.50	37.71	3.52	2.21	5.73
1976	-	2.225	2.225	23.49	12.42	-	35.91	2.55	38.46	3.59	2.26	5.85
1977	-	2.270	2.270	23.96	12.67	-	36.63	2.60	39.23	3.66	2.30	5.97
1978	-	2.315	2.315	24.44	12.92	-	37.36	2.65	40.01	3.74	2.35	6.09
1979	-	2.361	2.361	24.93	13.18	-	38.11	2.70	40.82	3.81	2.40	6.21
1980	-	2.409	2.409	25.43	13.44	-	38.87	2.76	41.63	3.89	2.44	6.33
1981	-	2.457	2.457	25.94	13.71	-	39.65	2.81	42.46	3.97	2.49	6.46
1982	-	2.506	2.506	26.46	13.99	-	40.44	2.87	43.31	4.04	2.54	6.59
1983	-	2.556	2.556	26.99	14.27	-	41.25	2.93	44.18	4.13	2.59	6.72
1984	-	2.607	2.607	27.53	14.55	-	42.08	2.99	45.06	4.21	2.64	6.85
1985	-	2.659	2.659	28.08	14.84	-	42.92	3.05	45.96	4.29	2.70	6.99
1986	-	2.712	2.712	28.64	15.14	-	43.78	3.11	46.88	4.38	2.75	7.13
1987	-	2.767	2.767	29.21	15.44	-	44.65	3.17	47.82	4.47	2.81	7.27
1988	-	2.822	2.822	29.80	15.75	-	45.55	3.23	48.78	4.55	2.86	7.42
1989	-	2.878	2.878	30.39	16.07	-	46.46	3.30	49.75	4.65	2.92	7.57
1990	-	2.936	2.936	31.00	16.39	-	47.39	3.36	50.75	4.74	2.98	7.72
1991	-	2.995	2.995	31.62	16.71	-	48.33	3.43	51.76	4.83	3.04	7.87
1992	-	3.055	3.055	32.25	17.05	-	49.30	3.50	52.80	4.93	3.10	8.03
1993	-	3.116	3.116	32.90	17.39	-	50.29	3.57	53.85	5.03	3.16	8.19
1994	-	3.178	3.178	33.55	17.74	-	51.29	3.64	54.93	5.13	3.22	8.35
1995	-	3.242	3.242	34.23	18.09	-	52.32	3.71	56.03	5.23	3.29	8.52
1996	-	3.306	3.306	34.91	18.45	-	53.36	3.79	57.15	5.34	3.35	8.69
1997	-	3.373	3.373	35.61	18.82	-	54.43	3.86	58.29	5.44	3.42	8.86
1998	-	3.44		36.32	19.2			3.94			3.49	

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CALCULO DEL ESCURRIMIENTO VIRGEN EN LA SUBCUENCA
V5 SAN GASPAR (Mm³)

ANO	Ab	Ex	Ev	Uc	Ar	Im	R	DELTA V	Cp
1945	66.399		1.204	20.817	13.214		3.166		72.041
1946	62.513		1.228	21.233	15.658		3.229		66.088
1947	127.474		1.253	21.658	32.404		3.293		114.687
1948	161.338		1.278	22.091	29.289		3.359		152.059
1949	64.429		1.304	22.533	7.093		3.427		77.746
1950	66.850		1.330	22.984	7.926		3.495		79.742
1951	63.737		1.356	23.443	2.107		3.565		82.865
1952	99.048		1.383	23.912	0.202		3.636		120.505
1953	122.532		1.411	24.390	3.622		3.709		141.002
1954	51.084		1.439	24.878	1.383		3.783		72.235
1955	230.962		1.468	25.376	39.923		3.859		214.024
1956	88.955		1.497	25.883	4.460		3.936		107.940
1957	30.086		1.527	26.401	0.726		4.015		53.274
1958	499.553		1.558	26.929	82.042		4.095		441.903
1959	123.453		1.589	27.467	29.496		4.177		118.837
1960	44.485		1.621	28.017	0.232		4.260		69.630
1961	41.027		1.653	28.577	0.208		4.346		66.704
1962	90.944		1.686	29.149	3.569		4.433		113.777
1963	131.465		1.720	29.732	3.716		4.521		154.680
1964	93.959		1.754	30.326	0.803		4.612		120.625
1965	401.440		1.790	30.933	81.282		4.704		348.176
1966	161.890		1.825	31.551	52.826		4.798		137.643
1967	418.481		1.862	32.182	133.125		4.894		314.506
1968	82.414		1.899	32.826	20.071		4.992		92.076
1969	24.942		1.937	33.483	21.710		5.092		33.560
1970	192.787		1.976	34.152	31.787		5.193		191.934
1971	518.085		2.015	34.835	132.783		5.297		416.855
1972	48.771		2.056	35.532	2.368		5.403		78.587
1973	476.342		2.097	36.243	278.113		5.511		231.057
1974	73.337		2.139	36.968	1.678		5.622		105.144
1975	209.683		2.181	37.707	56.874		5.734		186.963
1976	552.821		2.225	38.461	194.458		5.849		393.200
1977	108.217		2.270	39.230	0.793		5.966		142.958
1978	86.812		2.315	40.015	4.184		6.085		118.873
1979	35.371		2.361	40.815	0.279		6.207		72.062
1980	155.951		2.409	41.631	0.170		6.331		193.491
1981	36.760		2.457	42.464	0.175		6.457		75.048
1982	12.300		2.506	43.313	0.204		6.587		51.329
1983	92.105		2.556	44.180	0.176		6.718		131.946
1984	72.499		2.607	45.063	11.617		6.853		101.700
1985	58.416		2.659	45.965	21.237		6.990		78.813
1986	90.852		2.712	46.884	43.806		7.130		89.513
1987	155.951		2.767	47.821	0.869		7.272		198.398
1988	191.152		2.822	48.778	25.929		7.418		209.405
1989	49.138		2.878	49.753	6.194		7.566		88.010
1990	198.775		2.936	50.749	60.447		7.717		184.295
1991	582.616		2.995	51.764	137.999		7.872		491.504
1992	176.791		3.055	52.799	58.935		8.029		165.680
1993	89.187		3.116	53.855	2.667		8.190		135.301
1994	56.254		3.178	54.932	2.214		8.353		103.796
1995	79.839		3.242	56.030	33.261		8.520		97.330
1996	54.250		3.306	57.151	33.261		8.691		72.756
1997	22.316		3.373	58.294	33.261		8.865		41.857
PROMEDIO	147.676		2.109	36.456	33.261		5.544		147.436

ENT. TOTALES
POR RIOS
CUARENTA