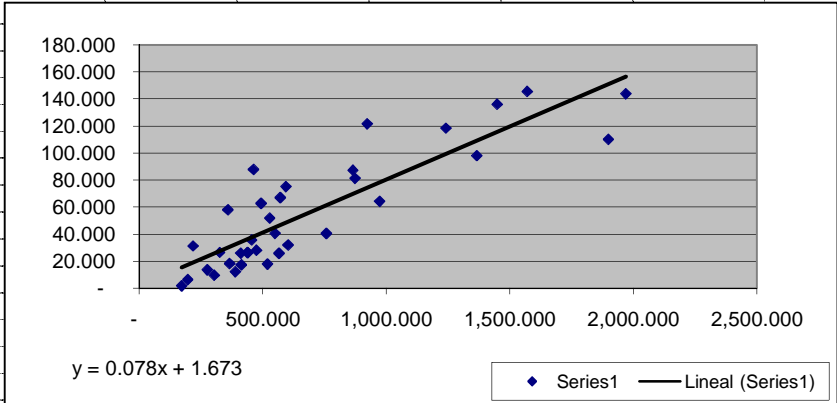


AÑO	LA CUÑA	V. DE GPE.							
1945	473.591	27.981		87%					
1946	454.634	35.640							
1947	565.194	25.876		0.0786					
1948	757.539	40.429		1.6730					
1949	388.014	12.176							
1950	413.237	17.355							
1951	437.659	26.278							
1952	548.992	40.614							
1953	518.656	17.947							
1954	302.673	9.560							
1955	973.118	64.316							
1956	492.605	62.831							
1957	171.576	1.769							
1958	1,570.235	145.483							
1959	527.715	51.924							
1960	325.349	26.499							
1961	358.296	57.925							
1962	437.504	26.519							
1963	922.081	121.620							
1964	410.200	25.965							
1965	1,241.029	118.377							
1966	602.290	31.923							
1967	1,899.260	110.062							
1968	593.079	75.195							
1969	195.763	6.307							
1970	872.967	81.306							
1971	1,366.076	97.988							
1972	274.666	13.655							
1973	1,969.912	143.890							
1974	364.506	18.160							
1975	864.459	87.245							
1976	1,448.454	135.994							
1977	570.023	67.029							
1978	462.136	87.860							
1979	216.733	31.230							
1980	494.958	40.577							
1981	278.494	41.939							
1982	243.262	20.793							
1983	487.071	39.957							
1984	451.211	37.138							
1985	353.309	29.443							
1986	793.196	83.995							
1987	255.701	20.422							
1988	694.856	56.289							
1989	226.291	19.459							
1990	784.321	63.321							
1991	1,723.019	137.102							
1992	946.124	76.038							
1993	325.676	27.271							
1994	243.092	0.991							
1995	457.311	37.618							
1996	218.399	18.839							
1997	126.766	11.637							
	624.401								



AÑO	CAPTURAR BOLETIN EVAPORACION			USO CONSUNTIVO					RETORNOS					ESC. AGUAS ARRIBA						
	V10	V11	V12	SUMA	V10 URDR	V10 DR	V11 URDR	V12 URDR	V12 DR	SUMA	PECUARIO	SUMA Uc TOTAL	agricola	p.u.	SUMA	V5	V9	V10	V11	suma
1945	-	-	0.24	0.24	-	-	-	2.16	0.84	3.00	1.15	4.15	0.30	0.72	1.02	66.40	144.40	70.26	47.32	328.37
1946	-	-	0.25	0.25	-	-	-	2.20	0.86	3.06	1.17	4.23	0.31	0.74	1.04	62.51	136.42	68.15	46.02	313.11
1947	-	-	0.25	0.25	-	-	-	2.24	0.87	3.12	1.20	4.32	0.31	0.75	1.07	127.47	140.64	69.23	53.05	390.40
1948	-	-	0.26	0.26	-	-	-	2.29	0.89	3.18	1.22	4.40	0.32	0.77	1.09	161.34	223.10	90.75	65.33	540.52
1949	-	-	0.26	0.26	-	-	-	2.33	0.91	3.24	1.25	4.49	0.32	0.78	1.11	64.43	111.17	61.48	41.49	278.57
1950	-	-	0.27	0.27	-	-	-	2.38	0.93	3.31	1.27	4.58	0.33	0.80	1.13	66.85	145.46	70.42	43.03	325.75
1951	-	-	0.27	0.27	-	-	-	2.43	0.95	3.37	1.30	4.67	0.34	0.82	1.15	63.74	144.90	70.24	44.51	323.40
1952	-	-	0.28	0.28	-	-	-	2.48	0.97	3.44	1.32	4.77	0.34	0.83	1.18	99.05	134.94	67.62	51.58	353.19
1953	-	-	0.28	0.28	-	-	-	2.53	0.98	3.51	1.35	4.86	0.35	0.85	1.20	122.53	141.31	69.25	49.54	382.64
1954	-	-	0.29	0.29	-	-	-	2.58	1.00	3.58	1.38	4.96	0.36	0.87	1.22	51.08	126.63	65.39	35.56	278.66
1955	-	-	0.29	0.29	-	-	-	2.63	1.02	3.65	1.40	5.06	0.37	0.88	1.25	230.96	259.88	100.17	78.58	669.59
1956	-	-	0.30	0.30	-	-	-	2.68	1.04	3.73	1.43	5.16	0.37	0.90	1.27	88.96	139.94	68.81	47.59	345.30
1957	-	-	0.31	0.31	-	-	-	2.74	1.07	3.80	1.46	5.26	0.38	0.92	1.30	30.09	84.95	54.41	26.85	196.30
1958	-	-	0.31	0.31	-	-	-	2.79	1.09	3.88	1.49	5.37	0.39	0.94	1.33	499.55	446.99	148.95	116.68	1,212.18
1959	-	-	0.32	0.32	-	-	-	2.85	1.11	3.95	1.52	5.47	0.40	0.96	1.35	123.45	121.92	64.01	49.55	358.93
1960	-	-	0.33	0.33	-	-	-	2.90	1.13	4.03	1.55	5.58	0.40	0.98	1.38	44.49	107.27	60.15	36.43	248.34
1961	-	-	0.33	0.33	-	-	-	2.96	1.15	4.11	1.58	5.70	0.41	0.99	1.41	41.03	62.45	23.45	38.45	165.38
1962	-	-	0.34	0.34	-	-	-	3.02	1.18	4.20	1.61	5.81	0.42	1.01	1.43	90.94	115.38	95.08	43.43	344.83
1963	-	-	0.35	0.35	-	-	-	3.08	1.20	4.28	1.65	5.93	0.43	1.04	1.46	131.47	115.20	137.27	74.48	458.42
1964	-	-	0.35	0.35	-	-	-	3.14	1.22	4.37	1.68	6.04	0.44	1.06	1.49	93.96	91.76	72.77	41.46	299.94
1965	-	-	0.36	0.36	-	-	-	3.20	1.25	4.45	1.71	6.16	0.45	1.08	1.52	401.44	188.41	88.06	94.76	772.68
1966	-	-	0.37	0.37	-	-	-	3.27	1.27	4.54	1.75	6.29	0.45	1.10	1.55	161.89	179.21	34.54	53.58	429.22
1967	-	-	0.37	0.37	-	-	-	3.33	1.30	4.63	1.78	6.41	0.46	1.12	1.58	418.48	521.15	229.95	136.85	1,306.43
1968	-	-	0.38	0.38	-	-	-	3.40	1.32	4.73	1.82	6.54	0.47	1.14	1.62	82.41	133.53	90.71	52.75	359.40
1969	-	-	0.39	0.39	-	-	-	3.47	1.35	4.82	1.85	6.67	0.48	1.17	1.65	24.94	57.40	75.12	3.84	153.62
1970	-	-	0.40	0.40	-	-	-	3.54	1.38	4.92	1.89	6.81	0.49	1.19	1.68	192.79	210.49	72.44	36.06	511.78
1971	-	-	0.40	0.40	-	-	-	3.61	1.41	5.01	1.93	6.94	0.50	1.21	1.71	518.09	392.05	95.01	113.09	1,118.24
1972	-	-	0.41	0.41	-	-	-	3.68	1.43	5.12	1.97	7.08	0.51	1.24	1.75	48.77	67.33	27.51	23.22	166.83
1973	-	-	0.42	0.42	-	-	-	3.75	1.46	5.22	2.01	7.22	0.52	1.26	1.78	476.34	567.50	204.41	149.96	1,398.21
1974	-	-	0.43	0.43	-	-	-	3.83	1.49	5.32	2.05	7.37	0.53	1.29	1.82	73.34	67.37	17.15	24.05	181.90
1975	-	-	0.44	0.44	-	-	-	3.91	1.52	5.43	2.09	7.51	0.54	1.31	1.86	209.68	192.05	19.30	38.64	459.66
1976	-	-	0.45	0.45	-	-	-	3.98	1.55	5.54	2.13	7.67	0.55	1.34	1.89	552.82	470.42	77.75	90.60	1,191.59
1977	-	-	0.46	0.46	-	-	-	4.06	1.58	5.65	2.17	7.82	0.56	1.37	1.93	108.22	123.30	71.71	97.74	400.96
1978	-	-	0.46	0.46	-	-	-	4.15	1.62	5.76	2.21	7.97	0.58	1.39	1.97	86.81	147.64	38.31	63.15	335.91
1979	-	-	0.47	0.47	-	-	-	4.23	1.65	5.88	2.26	8.13	0.59	1.42	2.01	35.37	49.56	44.34	53.60	182.87
1980	-	-	0.48	0.48	-	-	-	4.31	1.68	5.99	2.30	8.30	0.60	1.45	2.05	155.95	68.22	74.65	50.75	349.57
1981	-	-	0.49	0.49	-	-	-	4.40	1.71	6.11	2.35	8.46	0.61	1.48	2.09	36.76	51.95	0.54	13.08	102.33
1982	-	-	0.50	0.50	-	-	-	4.49	1.75	6.24	2.40	8.63	0.62	1.51	2.13	12.30	54.36	74.56	2.41	143.62
1983	-	-	0.51	0.51	-	-	-	4.58	1.78	6.36	2.44	8.80	0.64	1.54	2.17	92.11	127.13	83.49	77.11	379.83
1984	-	-	0.52	0.52	-	-	-	4.67	1.82	6.49	2.49	8.98	0.65	1.57	2.22	72.50	124.29	73.40	12.97	283.16
1985	-	-	0.53	0.53	-	-	-	4.76	1.86	6.62	2.54	9.16	0.66	1.60	2.26	58.42	77.11	44.65	71.15	251.32
1986	-	-	0.54	0.54	-	-	-	4.86	1.89	6.75	2.59	9.34	0.67	1.63	2.31	90.85	167.52	167.86	73.08	499.31
1987	-	-	0.55	0.55	-	-	-	4.95	1.93	6.88	2.65	9.53	0.69	1.66	2.35	155.95	53.41	34.19	33.51	277.06
1988	-	-	0.57	0.57	-	-	-	5.05	1.97	7.02	2.70	9.72	0.70	1.70	2.40	191.15	154.09	71.19	56.30	472.73
1989	-	-	0.58	0.58	-	-	-	5.15	2.01	7.16	2.75	9.92	0.72	1.73	2.45	49.14	51.50	44.34	25.99	170.96
1990	-	-	0.59	0.59	-	-	-	5.26	2.05	7.31	2.81	10.11	0.73	1.77	2.50	198.78	151.94	70.52	61.68	482.92
1991	-	-	0.60	0.60	-	-	-	5.36	2.09	7.45	2.86	10.32	0.75	1.80	2.55	582.62	504.44	162.53	121.85	1,371.44
1992	-	-	0.61	0.61	-	-	-	5.47	2.13	7.60	2.92	10.52	0.76	1.84	2.60	176.79	258.45	98.22	71.70	605.16
1993	-	-	0.62	0.62	-	-	-	5.58	2.17	7.75	2.98	10.73	0.78	1.87	2.65	89.19	59.95	46.31	31.61	227.06
1994	-	-	0.64	0.64	-	-	-	5.69	2.22	7.91	3.04	10.95	0.79	1.91	2.70	56.25	50.64	43.82	26.10	176.80
1995	-	-	0.65	0.65	-	-	-	5.80	2.26	8.07	3.10	11.17	0.81	1.95	2.76	79.84	78.65	51.07	39.66	249.22
1996	-	-	0.66	0.66	-	-	-	5.92	2.31	8.23	3.16	11.39	0.82	1.99	2.81	54.25	49.59	43.42	24.09	171.35
1997	-	-	0.68	0.68	-	-	-	6.04	2.35	8.39	3.23	11.62	0.84	2.03	2.87	22.32	59.99	46.07	17.98	146.36
1998	-	-	0.69	0.69	-	-	-	6.16	2.40	8.57	3.30	11.87	0.85	2.07	2.92	147.676	160.478	74.434	54.079	1,046.63

CAPTURAR  
BOLETIN

HOJA DATOS

CAPTURAR  
BOLETIN

HOJA DATOS

CAPTURAR  
BOLETIN

**CALCULO DEL ESCURRIMIENTO VIRGEN EN LAS SUBCUENCAS  
V12 LA CUÑA (Mm<sup>3</sup>)**

AÑO	Ab	Ex	Ev	Uc	Ar	Im	R	DELTA V	Cp
1945	473.591		0.242	4.149	328.373		1.024		148.583
1946	454.634		0.246	4.232	313.106		1.045		144.961
1947	565.194		0.251	4.316	390.401		1.066		178.295
1948	757.539		0.256	4.403	540.517		1.087		220.593
1949	388.014		0.261	4.491	278.572		1.109		113.085
1950	413.237		0.267	4.580	325.751		1.131		91.202
1951	437.659		0.272	4.672	323.398		1.154		118.052
1952	548.992		0.277	4.766	353.189		1.177		199.670
1953	518.656		0.283	4.861	382.641		1.200		139.959
1954	302.673		0.289	4.958	278.661		1.224		28.034
1955	973.118		0.294	5.057	669.590		1.249		307.631
1956	492.605		0.300	5.158	345.297		1.274		151.493
1957	171.576		0.306	5.262	196.297		1.299		(20.453)
1958	1,570.235		0.312	5.367	1,212.181		1.325		362.408
1959	527.715		0.319	5.474	358.930		1.352		173.226
1960	325.349		0.325	5.584	248.344		1.379		81.535
1961	358.296		0.332	5.695	165.382		1.406		197.535
1962	437.504		0.338	5.809	344.833		1.434		97.384
1963	922.081		0.345	5.925	458.415		1.463		468.473
1964	410.200		0.352	6.044	299.945		1.492		115.159
1965	1,241.029		0.359	6.165	772.676		1.522		473.354
1966	602.290		0.366	6.288	429.224		1.553		178.168
1967	1,899.260		0.373	6.414	1,306.431		1.584		598.032
1968	593.079		0.381	6.542	359.400		1.615		238.986
1969	195.763		0.389	6.673	153.615		1.648		47.562
1970	872.967		0.396	6.806	511.777		1.681		366.712
1971	1,366.076		0.404	6.942	1,118.241		1.714		253.468
1972	274.666		0.412	7.081	166.834		1.749		113.577
1973	1,969.912		0.421	7.223	1,398.207		1.783		577.565
1974	364.506		0.429	7.367	181.903		1.819		188.580
1975	864.459		0.438	7.515	459.665		1.856		410.891
1976	1,448.454		0.446	7.665	1,191.588		1.893		263.085
1977	570.023		0.455	7.818	400.962		1.931		175.404
1978	462.136		0.464	7.975	335.908		1.969		132.698
1979	216.733		0.474	8.134	182.869		2.008		40.464
1980	494.958		0.483	8.297	349.569		2.049		152.121
1981	278.494		0.493	8.463	102.330		2.090		183.030
1982	243.262		0.503	8.632	143.622		2.131		106.643
1983	487.071		0.513	8.805	379.830		2.174		114.384
1984	451.211		0.523	8.981	283.160		2.218		175.337
1985	353.309		0.533	9.160	251.320		2.262		109.421
1986	793.196		0.544	9.344	499.306		2.307		301.470
1987	255.701		0.555	9.531	277.062		2.353		(13.629)
1988	694.856		0.566	9.721	472.732		2.400		230.011
1989	226.291		0.577	9.916	170.962		2.448		63.373
1990	784.321		0.589	10.114	482.919		2.497		309.607
1991	1,723.019		0.601	10.316	1,371.442		2.547		359.947
1992	946.124		0.613	10.522	605.162		2.598		349.499
1993	325.676		0.625	10.733	227.056		2.650		107.328
1994	243.092		0.637	10.948	176.804		2.703		75.170
1995	457.311		0.650	11.167	249.220		2.757		217.150
1996	218.399		0.663	11.390	171.352		2.812		56.288
1997	126.766		0.676	11.618	146.359		2.869		(10.168)

<b>PROMEDIO</b>	<b>624.401</b>		<b>0.423</b>	<b>7.265</b>	<b>436.667</b>		<b>1.794</b>		<b>193.629</b>
-----------------	----------------	--	--------------	--------------	----------------	--	--------------	--	----------------

SAN GASPAR  
P. SABINO

LA CUÑA