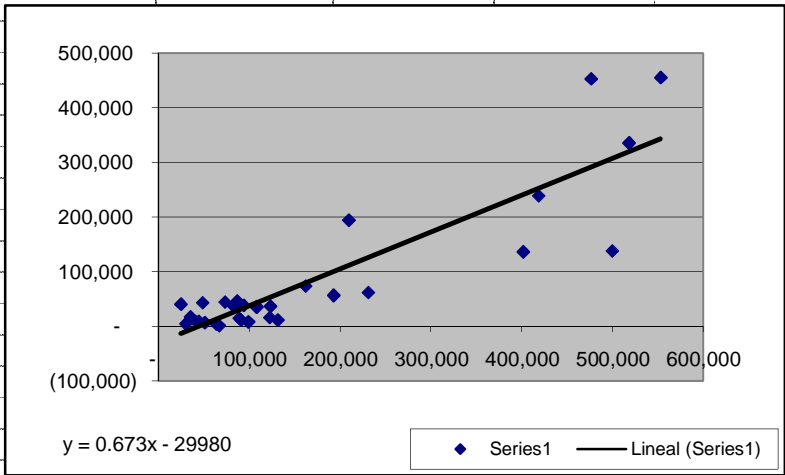
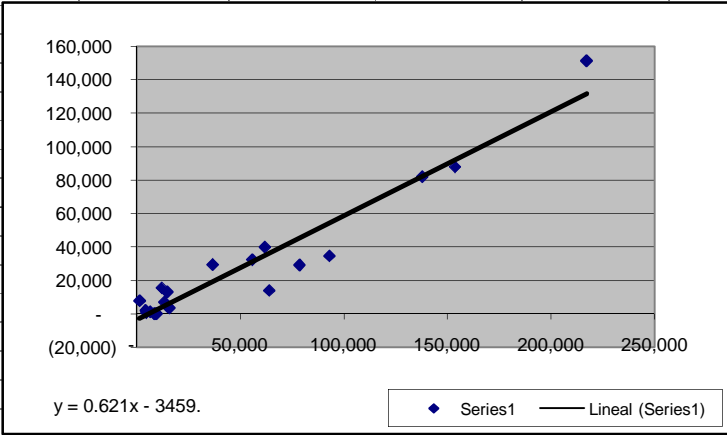


AÑO	SAN GASPAR	LAGOS				
1941	367,013	217,167	88%			
1942	182,653	93,019	0.6734	(29,980)		
1943	139,576	64,010				
1944	272,767	153,701				
1945	66,400	14,734				
1946	62,511	12,115				
1947	127,475	55,862				
1948	161,339	78,666				
1949	64,429	13,406				
1950	66,849	1,450				
1951	63,737	4,310				
1952	99,048	8,458				
1953	122,533	15,927				
1954	51,083	6,570				
1955	230,962	61,877				
1956	88,954	14,966				
1957	30,086	4,652				
1958	499,554	137,835				
1959	123,454	36,699				
1960	44,484	9,688				
1961	41,028	8,874				
1962	90,943	11,304				
1963	131,465	11,539				
1964	93,959	38,369				
1965	401,441	136,284				
1966	161,891	73,628				
1967	418,480	239,105				
1968	82,413	37,843				
1969	24,941	40,478				
1970	192,787	56,685				
1971	518,084	335,624				
1972	48,770	43,246				
1973	476,343	452,835				
1974	73,338	44,656				
1975	209,683	194,224				
1976	552,822	455,199				
1977	108,218	35,522				
1978	86,813	46,308				
1979	35,370	17,744				
1980	157,058	75,783				
1981	36,761	84,450				
1982	12,301	84,450				
1983	92,106	32,044				
1984	72,499	18,841				
1985	58,416	9,357				
1986	90,851	86,608				
1987	3,531	18,308				
1988	191,152	90,816				
1989	49,136	15,525				
1990	198,776	102,777				
1991	582,615	436,232				
1992	176,790	166,321				
1993	89,186	27,157				
1994	56,254	27,059				
	157,058	84,450				



AÑO	el 40	Ab				
1941	151,219					
1942	34,696					
1943	14,044					
1944	87,876					
1945	13,214	13.214				
1946	15,658	15.658	96%		Coefficiente de correlación	
1947	32,404	32.404	0.6218	(3,459)		
1948	29,289	29.289				
1949	7,093	7.093				
1950	7,926	7.926				
1951	2,107	2.107				
1952	202	0.202				
1953	3,622	3.622				
1954	1,383	1.383				
1955	39,923	39.923				
1956	4,460	4.460				
1957	726	0.726				
1958	82,042	82.042				
1959	29,496	29.496				
1960	232	0.232				
1961	208	0.208				
1962	3,569	3.569				
1963	3,716	3.716				
1964	803	0.803				
1965	81,282	81.282				
1966	52,826.000	52.826				
1967	133,125.000	133.125				
1968	20,071	20.071				
1969	21,710	21.710				
1970	31,787	31.787				
1971	132,783.000	132.783				
1972	2,368.000	2.368				
1973	278,113	278.113				
1974	1,678.000	1.678				
1975	56,874.000	56.874				
1976	194,458.000	194.458				
1977	793.000	0.793				
1978	4,184.000	4.184				
1979	279.000	0.279				
1980	170	0.170				
1981	175	0.175				
1982	204	0.204				
1983	176	0.176				
1984	11,617	11.617				
1985	21,237	21.237				
1986	43,806	43.806				
1987	869	0.869				
1988	25,929	25.929				
1989	6,194	6.194				
1990	60,447	60.447				
1991	137,999	137.999				
1992	58,935	58.935				
1993	2,667	2.667				
1994	2,214	2.214				
	36,127					



**CAPTURAR BOLETIN**

AÑO	EVAPORACION		USO CONSUNTIVO				P.U.	SUMA	pecuario	RETORNOS			SUMA
	P. EL 40	VASOS AL 2% SUMA	NIAGARA URDR	A. L. R. DR	total con pecuario	agricola				p.u.			
1945	-	1.39	1.386	8.32	-	-	8.32	0.39	8.71	0.83	0.36	1.19	
1946	-	1.414	1.414	8.49	-	-	8.49	0.40	8.89	0.85	0.37	1.22	
1947	-	1.442	1.442	8.66	-	-	8.66	0.41	9.07	0.87	0.38	1.24	
1948	-	1.471	1.471	8.83	-	-	8.83	0.42	9.25	0.88	0.38	1.27	
1949	-	1.501	1.501	9.01	-	-	9.01	0.42	9.43	0.90	0.39	1.29	
1950	2.872	1.531	4.403	9.19	-	-	9.19	0.43	9.62	0.92	0.40	1.32	
1951	3.618	1.561	5.179	9.37	-	-	9.37	0.44	9.81	0.94	0.41	1.34	
1952	3.423	1.593	5.016	9.56	-	-	9.56	0.45	10.01	0.96	0.41	1.37	
1953	3.272	1.624	4.896	9.75	-	-	9.75	0.46	10.21	0.98	0.42	1.40	
1954	3.583	1.657	5.240	9.95	-	-	9.95	0.47	10.41	0.99	0.43	1.43	
1955	2.588	1.690	4.278	10.14	-	-	10.14	0.48	10.62	1.01	0.44	1.45	
1956	3.791	1.724	5.515	10.35	-	-	10.35	0.49	10.83	1.03	0.45	1.48	
1957	3.594	1.758	5.352	10.55	-	-	10.55	0.50	11.05	1.06	0.46	1.51	
1958	2.635	1.793	4.428	10.77	-	-	10.77	0.51	11.27	1.08	0.47	1.54	
1959	4.357	1.829	6.186	10.98	-	-	10.98	0.52	11.50	1.10	0.48	1.57	
1960	3.215	1.866	5.081	11.20	-	-	11.20	0.53	11.73	1.12	0.49	1.61	
1961	2.288	1.903	4.191	11.42	-	-	11.42	0.54	11.96	1.14	0.50	1.64	
1962	1.84	1.941	3.781	11.65	-	-	11.65	0.55	12.20	1.17	0.50	1.67	
1963	1.881	1.980	3.861	11.89	-	-	11.89	0.56	12.45	1.19	0.52	1.70	
1964	2.316	2.020	4.336	12.12	-	-	12.12	0.57	12.69	1.21	0.53	1.74	
1965	3.469	2.060	5.529	12.37	-	-	12.37	0.58	12.95	1.24	0.54	1.77	
1966	3.411	2.101	5.512	12.61	-	-	12.61	0.59	13.21	1.26	0.55	1.81	
1967	3.226	2.143	5.369	12.87	-	-	12.87	0.61	13.47	1.29	0.56	1.84	
1968	3.224	2.186	5.410	13.12	-	-	13.12	0.62	13.74	1.31	0.57	1.88	
1969	2.643	2.230	4.873	13.39	-	-	13.39	0.63	14.02	1.34	0.58	1.92	
1970	2.073	2.275	4.348	13.65	-	-	13.65	0.64	14.30	1.37	0.59	1.96	
1971	3.012	2.320	5.332	13.93	-	-	13.93	0.66	14.58	1.39	0.60	2.00	
1972	3.327	2.366	5.693	14.20	-	-	14.20	0.67	14.87	1.42	0.62	2.04	
1973	3.443	2.414	5.857	14.49	-	-	14.49	0.68	15.17	1.45	0.63	2.08	
1974	3.214	2.462	5.676	14.78	-	-	14.78	0.70	15.47	1.48	0.64	2.12	
1975	3.046	2.511	5.557	15.07	-	-	15.07	0.71	15.78	1.51	0.65	2.16	
1976	3.007	2.561	5.568	15.38	-	-	15.38	0.72	16.10	1.54	0.67	2.20	
1977	3.03	2.613	5.643	15.68	-	-	15.68	0.74	16.42	1.57	0.68	2.25	
1978	3.011	2.665	5.676	16.00	-	-	16.00	0.75	16.75	1.60	0.69	2.29	
1979	2.892	2.718	5.610	16.32	-	-	16.32	0.77	17.09	1.63	0.71	2.34	
1980	0	2.773	2.773	16.64	-	-	16.64	0.78	17.43	1.66	0.72	2.39	
1981	0	2.828	2.828	16.98	-	-	16.98	0.80	17.78	1.70	0.74	2.43	
1982	0	2.885	2.885	17.32	-	-	17.32	0.82	18.13	1.73	0.75	2.48	
1983	0	2.942	2.942	17.66	-	-	17.66	0.83	18.49	1.77	0.77	2.53	
1984	0	3.001	3.001	18.01	-	-	18.01	0.85	18.86	1.80	0.78	2.58	
1985	0	3.061	3.061	18.37	-	-	18.37	0.87	19.24	1.84	0.80	2.63	
1986	0	3.122	3.122	18.74	-	-	18.74	0.88	19.63	1.87	0.81	2.69	
1987	0	3.185	3.185	19.12	-	-	19.12	0.90	20.02	1.91	0.83	2.74	
1988	0	3.249	3.249	19.50	-	-	19.50	0.92	20.42	1.95	0.84	2.79	
1989	0	3.314	3.314	19.89	-	-	19.89	0.94	20.83	1.99	0.86	2.85	
1990	0	3.380	3.380	20.29	-	-	20.29	0.96	21.24	2.03	0.88	2.91	
1991	0	3.447	3.447	20.69	-	-	20.69	0.98	21.67	2.07	0.90	2.97	
1992	0	3.516	3.516	21.11	-	-	21.11	0.99	22.10	2.11	0.91	3.03	
1993	0	3.587	3.587	21.53	-	-	21.53	1.01	22.54	2.15	0.93	3.09	
1994	0	3.658	3.658	21.96	-	-	21.96	1.03	22.99	2.20	0.95	3.15	
1995													
1996													
1997													
1998	1.56	3.96		23.77	0			1.12			1.03		

CAPTURAR  
BOLETIN

CAPTURAR  
BOLETIN

CAPTURAR  
BOLETIN

CALCULO DEL ESCURRIMIENTO VIRGEN EN LA SUBCUENCA  
V4 PRESA EL CUARENTA (Mm<sup>3</sup>)

AÑO	Ab	Ex	Ev	Uc	Ar	Im	R	DELTA V	Cp
1945	13.214		1.386	8.714			1.193		22.122
1946	15.658		1.414	8.888			1.217		24.744
1947	32.404		1.442	9.066			1.241		41.671
1948	29.289		1.471	9.247			1.266		38.742
1949	7.093		1.501	9.432			1.291		16.735
1950	7.926		4.403	9.621			1.317	10.964	31.597
1951	2.107		5.179	9.813			1.343	(8.516)	7.240
1952	0.202		5.016	10.010			1.370	6.372	20.229
1953	3.622		4.896	10.210			1.398	13.485	30.816
1954	1.383		5.240	10.414			1.425	(18.603)	(2.992)
1955	39.923		4.278	10.622			1.454	14.795	68.164
1956	4.460		5.515	10.835			1.483	(1.965)	17.361
1957	0.726		5.352	11.051			1.513	(10.011)	5.606
1958	82.042		4.428	11.272			1.543	16.331	112.531
1959	29.496		6.186	11.498			1.574	(3.485)	42.121
1960	0.232		5.081	11.728			1.605	(14.761)	0.674
1961	0.208		4.191	11.962			1.637	(5.015)	9.709
1962	3.569		3.781	12.202			1.670	1.800	19.682
1963	3.716		3.861	12.446			1.704	(0.165)	18.154
1964	0.803		4.336	12.695			1.738	19.123	35.219
1965	81.282		5.529	12.948			1.772	0.245	98.232
1966	52.826		5.512	13.207			1.808	(1.248)	68.490
1967	133.125		5.369	13.472			1.844	1.949	152.071
1968	20.071		5.410	13.741			1.881	(4.707)	32.635
1969	21.710		4.873	14.016			1.919	(18.996)	19.684
1970	31.787		4.348	14.296			1.957	16.811	65.285
1971	132.783		5.332	14.582			1.996	5.669	156.370
1972	2.368		5.693	14.874			2.036	0.360	21.259
1973	278.113		5.857	15.171			2.077	0.116	297.181
1974	1.678		5.676	15.475			2.118	(6.536)	14.174
1975	56.874		5.557	15.784			2.161	4.333	80.388
1976	194.458		5.568	16.100			2.204	4.819	218.742
1977	0.793		5.643	16.422			2.248	(3.140)	17.470
1978	4.184		5.676	16.750			2.293	0.744	25.061
1979	0.279		5.610	17.085			2.339	(17.939)	2.697
1980	0.170		2.773	17.427			2.385		17.984
1981	0.175		2.828	17.776			2.433		18.345
1982	0.204		2.885	18.131			2.482		18.738
1983	0.176		2.942	18.494			2.531		19.081
1984	11.617		3.001	18.864			2.582		30.900
1985	21.237		3.061	19.241			2.634		40.905
1986	43.806		3.122	19.626			2.686		63.868
1987	0.869		3.185	20.018			2.740		21.332
1988	25.929		3.249	20.418			2.795		46.801
1989	6.194		3.314	20.827			2.851		27.484
1990	60.447		3.380	21.243			2.908		82.163
1991	137.999		3.447	21.668			2.966		160.149
1992	58.935		3.516	22.102			3.025		81.528
1993	2.667		3.587	22.544			3.086		25.712
1994	2.214		3.658	22.995			3.148		25.719
<b>PROMEDIO</b>	<b>33.261</b>		<b>4.171</b>	<b>14.740</b>			<b>2.018</b>	<b>0.094</b>	<b>50.211</b>

DATOS DEL  
BANDAS Y  
cuarenta y cuarenta II  
RESTITUIDOS

funcionamiento  
del vaso