

ANEXO I

DEL ANEJO 2

SERIES DE APORTACIONES EN LOS PUNTOS

DEFINIDOS

En la siguiente tabla se muestra la información de los puntos característicos de muestreo de los datos de aforo de caudales y medición de volúmenes de las principales variables para la configuración de las series utilizadas en el modelo de la demarcación:

Tabla 1. Tabla de los puntos de medida y control para la calibración del modelo en la Demarcación Hidrográfica del Segura.

Cód.	Descripción	Río	X UTM ED50 30N	Y UTM ED50 30N
EA-030	Guardamar	Río Segura	706800	4221001
EA-001	Embalse de la Fuensanta (aguas abajo)	Río Segura	569300	4249800
EA-003	Embalse de Talave (aguas abajo)	Río Mundo tras embalse de Talave	599502	4262802
EA-006	Almadenes	Río Segura	626419	4233482
EA-007	Alfonso XIII (aguas abajo)	Río Quípar tras embalse de Alfonso XIII	622733	4232029
EA-011	La Esperanza	Río Moratalla	611840	4235625
EA-012	Calasparra	Río Segura	614579	4234079
EA-013	Embalse de Cenajo (aguas abajo)	Río Segura	607603	4247508
EA-014	Argos	Río Argos	615325	4233609
EA-016	Cieza	Río Segura	637395	4233499
EA-017	Abarán	Río Segura	641300	4229500
EA-033	Embalse de Puentes (aguas abajo)	Río Guadalentín tras embalse de Puentes	604280	4177200
EA-037	Cañaverosa	Río Segura	613080	4236310
EA-018	Archena	Río Segura	648880	4221596
EA-019	La Cierva (aguas abajo)	Río Mula	632800	4213740
EA-020	Baños de Mula	Río Mula	638306	4211613
EA-022	Embalse de Valdeinfierno (aguas abajo)	Río Luchena tras embalse de Valdeinfierno	591296	4184808
EA-024	Embalse de Camarillas (desagüe total)	Río Mundo tras embalse de Camarillas	617814	4244163
EA-025	Paso de Los Carros	Río Guadalentín	656412	4200252
EA-102	Taibilla (aportaciones azud de derivación)	Río Taibilla	563597	4231905
EA-062	Ojos	Río Segura	645620	4223730
EA-064	Beniel	Río Segura	675070	4213300
EA-063	Contraparada	Río Segura	656900	4208590
EA-067	El Menjú	Río Segura	639100	4231491
EA-051	Moratalla	Río Moratalla	600962	4229907

Figura 1. Mapa con la selección de puntos de control para la calibración del modelo



ESTACIONES					
COD_CHS	EA-030	EA-001	EA-003	EA-006	EA-007
APOR_MED_A	712711	269007	100570	612791	20109
UBICACIÓN	Río Segura	Río Segura	Río Mundo tras embalse de Talave	Río Segura	Río Quípar tras embalse de Alfonso XIII
NOMBRE	Guardamar	Embalse de la Fuensanta (aguas abajo)	Embalse de Talave (aguas abajo)	Almadenes	Alfonso XIII (aguas abajo)
X_UTM_MODI	706800	569300	599501	626419	622733
Y_UTM_MODI	4221000	4249800	4262801	4233482	4232029
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1940/41	928.1383372	353.5751364	143.7063129	809.3516035	22.24312578
1941/42	606.7236795	197.4264409	76.20869573	485.0828008	18.6702317
1942/43	433.013248	123.7860759	48.21659876	311.6989083	12.88359792
1943/44	841.5844466	156.9572935	59.6641016	467.6583602	43.2085899
1944/45	526.2070978	113.8471466	53.03108079	351.0959366	22.22579407
1945/46	1222.59777	279.8177069	127.58731	818.648639	65.69557267
1946/47	1406.126469	419.4603074	180.6686341	1097.428376	69.31328677
1947/48	1216.246095	360.3032072	145.2402007	929.4828579	74.81249606
1948/49	1620.883212	213.4945286	107.5637042	926.2606072	151.4916508
1949/50	604.7491323	122.4812708	58.91957189	396.1677401	29.48227061
1950/51	1082.368544	276.8848254	120.1565644	710.3060879	47.85714172
1951/52	959.7577621	242.3005379	114.7098237	662.1458846	32.13675106
1952/53	465.6108312	126.2446427	54.15387815	361.3369626	14.51392418
1953/54	845.7029265	194.9161484	64.48984411	577.4177436	61.96525181
1954/55	608.1576929	224.2533744	71.80790992	480.27703	15.377738
1955/56	663.5989899	232.7140093	77.36031847	525.7143635	20.38369627
1956/57	554.9839491	166.6013174	56.88552261	414.1762079	21.08623349
1957/58	744.267961	218.6356241	96.74820901	577.6360258	26.72923929
1958/59	1127.433912	242.6891051	128.6042817	827.9102454	67.9832548
1959/60	1161.093761	442.137067	171.4330271	1002.38665	32.48617495
1960/61	778.5839155	294.0738245	119.5654847	672.9040316	15.29647572
1961/62	985.1948092	258.915557	125.0379346	804.0407755	72.53462231
1962/63	1195.759115	417.6650549	189.3424374	1058.809904	44.44416069
1963/64	920.7502286	274.9932773	132.0883955	815.1203992	63.56366062
1964/65	776.1604829	174.5840809	84.45005543	562.2629971	55.7385497
1965/66	881.403104	340.9141086	138.6366244	763.9663861	17.68038565
1966/67	598.066804	150.8252178	66.20124951	431.2252856	20.13960616
1967/68	523.8551738	123.212995	58.96230734	355.4313781	19.11060982
1968/69	1140.474387	430.294454	168.9380668	985.5779535	31.30626917
1969/70	1176.618742	295.8955677	121.1037133	787.709759	45.59049731
1970/71	790.3163159	287.342104	102.6606136	665.0890916	19.29217954
1971/72	1050.558273	361.4832092	125.3305089	845.8403851	35.46128749
1972/73	1121.177249	240.8078989	115.4688765	780.1661372	55.28418576
1973/74	874.1315582	215.8971413	81.89603478	599.5415008	41.63629403
1974/75	749.730427	197.2704011	80.31328039	553.3092978	28.43233097
1975/76	691.2910124	160.3696073	77.25093874	488.9884229	29.84732932

ESTACIONES					
COD_CHS	EA-030	EA-001	EA-003	EA-006	EA-007
APOR_MED_A	712711	269007	100570	612791	20109
UBICACIÓN	Río Segura	Río Segura	Río Mundo tras embalse de Talave	Río Segura	Río Quípar tras embalse de Alfonso XIII
NOMBRE	Guardamar	Embalse de la Fuensanta (aguas abajo)	Embalse de Talave (aguas abajo)	Almadenes	Alfonso XIII (aguas abajo)
X_UTM_MODI	706800	569300	599501	626419	622733
Y_UTM_MODI	4221000	4249800	4262801	4233482	4232029
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1976/77	969.867153	373.1184507	142.4143043	845.0044783	20.24561049
1977/78	991.6157708	433.3256022	150.968736	881.3811631	15.49457508
1978/79	853.0345256	366.9058662	131.7040659	763.3999584	12.67816086
1979/80	922.274752	284.5592978	117.7842299	718.3821205	26.55466425
1980/81	423.1814035	118.160901	54.34826251	332.2025922	10.51716703
1981/82	516.5693771	166.6976336	66.40773751	437.0972912	16.32973347
1982/83	497.1312995	142.8362026	60.1380842	378.5680003	13.01319814
1983/84	615.1570338	243.0621975	81.79143324	517.5523309	13.49244278
1984/85	714.773238	289.9247309	90.83169591	615.0814217	15.36243296
1985/86	740.5788499	312.0897674	88.85787797	633.6272908	14.76028542
1986/87	780.8937591	172.2836911	65.92784267	526.4525703	35.01641255
1987/88	1039.543863	271.8172879	120.5655499	771.685457	36.34319223
1988/89	1207.080593	223.7592508	122.4565146	811.9006845	68.24365435
1989/90	1348.452743	244.4739069	142.8786351	965.5105202	100.793484
1990/91	775.5709146	215.1625259	109.9463413	597.6010565	19.94215633
1991/92	687.8097742	183.5776468	76.75172987	524.0874689	26.64928114
1992/93	561.0194675	136.0919271	57.29169959	403.8836204	22.48130064
1993/94	319.4143424	102.2338065	37.12920175	247.1187405	8.42105108
1994/95	292.7453184	70.10434055	29.32177066	205.1891957	10.46612793
1995/96	699.4017548	274.0735496	91.6223679	613.4973415	16.4822317
1996/97	998.4745931	294.5602059	111.5993602	799.7269239	49.12511908
1997/98	887.7125981	311.4857523	110.4700924	760.2944996	30.64993882
1998/99	476.4818677	131.3936323	52.27755473	370.1132764	16.20726009
1999/00	488.1257715	169.4331909	58.12760282	411.9015226	14.97389709
2000/01	840.8425805	316.9105696	86.81920988	662.2948949	32.58088465
2001/02	766.1882856	167.6813394	66.82023664	501.0500638	42.34983551
2002/03	625.898858	258.6195389	84.69676881	529.0724592	12.54692429
2003/04	1159.035741	309.6837687	140.0378294	837.4120418	50.89454331
2004/05	488.780876	96.10748339	66.33143254	375.4614523	15.48309404
2005/06	518.2924354	174.1361508	57.68328929	393.5495726	14.78628283
2006/07	728.4482772	177.4167524	79.15224706	517.2772772	30.42793
2007/08	465.2961195	118.4661762	56.254095	335.2313495	12.58959
2008/09	1142.351622	380.8941795	148.1901572	945.3530815	45.67166
2009/2010	1462.446981	401.1520385	163.6438336	1120.454151	80.64101
2010/2011	933.5629523	351.9832075	130.3284495	813.6009523	27.698
2011/2012	488.8055693	146.8824718	55.67598412	366.6646193	15.00332
MEDIA ANUAL	823.613590	241.168546	97.939560	630.984002	33.900291

ESTACIONES					
COD_CHS	EA-030	EA-001	EA-003	EA-006	EA-007
APOR_MED_A	712711	269007	100570	612791	20109
UBICACIÓN	Río Segura	Río Segura	Río Mundo tras embalse de Talave	Río Segura	Río Quípar tras embalse de Alfonso XIII
NOMBRE	Guardamar	Embalse de la Fuensanta (aguas abajo)	Embalse de Talave (aguas abajo)	Almadenes	Alfonso XIII (aguas abajo)
X_UTM_MODI	706800	569300	599501	626419	622733
Y_UTM_MODI	4221000	4249800	4262801	4233482	4232029
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
MÁXIMO ANUAL	1620.883212	442.137067	189.342437	1120.454151	151.491651
MÍNIMO ANUAL	292.745318	70.104341	29.321771	205.189196	8.421051

ESTACIONES					
COD_CHS	EA-011	EA-012	EA-013	EA-014	EA-016
APOR_MED_A	13483	576087	400057	15709	631813
UBICACIÓN	Río Moratalla	Río Segura	Río Segura	Río Argos	Río Segura
NOMBRE	La Esperanza	Calasparra	Embalse de Cenajo (aguas abajo)	Argos	Cieza
X_UTM_MODI	611840	614579	607602	615324	637394
Y_UTM_MODI	4235625	4234078	4247507	4233609	4233499
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1940/41	14.9331695	757.495587	526.68831	28.7081081	832.982141
1941/42	10.2806286	440.135854	302.363641	25.4709456	507.516429
1942/43	8.14234898	284.886922	189.552364	12.9699512	333.112655
1943/44	24.6168659	390.496878	256.16564	32.642271	494.151524
1944/45	16.5031534	304.348242	191.808995	23.7626905	368.627724
1945/46	45.8478316	690.820442	435.911709	60.2513955	860.552696
1946/47	42.6408057	969.787888	644.118371	56.5696976	1133.16945
1947/48	23.957718	807.684751	554.882437	45.9898364	954.376683
1948/49	54.7237836	661.819685	404.107124	109.068826	973.214514
1949/50	16.712909	337.566307	210.255647	28.1185919	419.966879
1950/51	23.9014061	624.137082	409.936255	36.3878675	749.118527
1951/52	19.2371194	596.190467	389.363344	32.8278201	691.204116
1952/53	13.0242513	329.422915	214.777339	16.5785392	380.944982
1953/54	28.3267949	449.608833	303.688842	65.0236006	604.283266
1954/55	9.66330335	448.530656	325.943434	15.7485729	497.361943
1955/56	14.7921646	480.396969	343.410082	24.2468965	543.726645
1956/57	14.5292742	369.746721	254.235405	22.5099279	436.136175
1957/58	19.0357689	517.564846	340.541911	32.3572112	605.489294
1958/59	35.132412	675.611524	419.627265	82.7325093	878.669881
1959/60	18.1719504	925.861095	645.135118	43.1216981	1037.7733
1960/61	10.6822022	638.382198	437.694576	18.4735405	698.269996
1961/62	23.3401614	636.159813	410.668302	94.4316074	828.807617

ESTACIONES					
COD_CHS	EA-011	EA-012	EA-013	EA-014	EA-016
APOR_MED_A	13483	576087	400057	15709	631813
UBICACIÓN	Río Moratalla	Río Segura	Río Segura	Río Argos	Río Segura
NOMBRE	La Esperanza	Calasparra	Embalse de Cenajo (aguas abajo)	Argos	Cieza
X_UTM_MODI	611840	614579	607602	615324	637394
Y_UTM_MODI	4235625	4234078	4247507	4233609	4233499
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1962/63	28.6689915	954.787279	641.372107	58.7141216	1082.95553
1963/64	17.8290266	655.476305	433.870454	95.3989399	836.48077
1964/65	19.7352344	454.973219	290.880634	50.3633494	590.642264
1965/66	16.6204489	724.551175	501.806885	20.8520825	785.63004
1966/67	16.1406114	392.472617	254.364273	17.661587	458.792794
1967/68	12.3373979	318.17941	199.291937	17.397021	382.560651
1968/69	33.2638357	923.763225	635.463978	29.7730543	1011.63355
1969/70	26.6712868	705.472222	476.526735	35.5194546	819.557686
1970/71	18.8627266	624.852874	438.59885	20.2585987	688.34752
1971/72	28.2025841	773.83836	546.207536	35.6514701	875.027599
1972/73	39.2728431	672.901859	423.942527	50.6248852	820.524719
1973/74	26.1120198	524.180573	352.280935	32.7821969	626.447013
1974/75	24.6172124	494.484604	326.317707	29.3428458	584.039276
1975/76	21.9260052	432.709559	273.011268	25.6164349	514.840741
1976/77	22.8013233	800.287536	558.583661	23.7233276	870.529812
1977/78	16.7278175	847.558794	611.345424	17.6170827	902.083113
1978/79	12.0431316	736.233842	532.757024	13.7782303	781.956103
1979/80	26.6668874	664.186177	448.368412	26.3895599	746.067866
1980/81	10.2651129	308.630582	198.322787	12.3678592	350.623662
1981/82	15.715723	400.832287	273.150762	19.3581234	452.793635
1982/83	12.1402858	351.454143	227.254016	13.3015008	406.065626
1983/84	9.6636996	488.694357	351.379011	14.8064331	535.794055
1984/85	13.0726528	582.762721	426.821909	16.3256317	636.775222
1985/86	13.2809023	601.487244	450.781809	16.6939867	652.881807
1986/87	25.926841	460.297709	297.985591	29.3823907	561.140864
1987/88	43.4729929	697.817793	446.179864	35.9015622	819.636175
1988/89	54.3399248	684.388641	406.929103	56.2267741	872.01408
1989/90	66.2543068	776.919173	459.397755	86.4345801	1007.10244
1990/91	21.0906324	552.29117	350.11446	24.7077518	622.159284
1991/92	28.7392713	467.854866	303.606892	28.7580192	546.575697
1992/93	20.1684603	355.054706	231.626512	25.6908054	426.679101
1993/94	6.77194486	228.433911	154.137883	9.64499241	264.254779
1994/95	8.64295971	182.32973	115.134852	11.7205346	222.305024
1995/96	17.1334238	577.306782	416.819136	18.963039	631.453496
1996/97	31.44696	702.918898	484.809826	46.6769043	831.483546
1997/98	22.4910271	694.236638	491.010939	34.4931258	783.06392
1998/99	12.5168955	335.121215	225.618049	18.1184327	387.862395
1999/00	14.7313674	378.27127	265.430186	18.0439985	427.202697
2000/01	16.559244	602.454057	454.052335	26.435184	683.056333

ESTACIONES					
COD_CHS	EA-011	EA-012	EA-013	EA-014	EA-016
APOR_MED_A	13483	576087	400057	15709	631813
UBICACIÓN	Río Moratalla	Río Segura	Río Segura	Río Argos	Río Segura
NOMBRE	La Esperanza	Calasparra	Embalse de Cenajo (aguas abajo)	Argos	Cieza
X_UTM_MODI	611840	614579	607602	615324	637394
Y_UTM_MODI	4235625	4234078	4247507	4233609	4233499
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
2001/02	21.0533163	425.549307	285.781218	32.0179064	529.994694
2002/03	9.22947662	501.152703	362.324736	14.6681661	547.671729
2003/04	33.8731965	744.809949	491.46669	40.6111729	868.219495
2004/05	16.3248379	339.800136	198.200296	19.5448504	394.18413
2005/06	11.9854464	362.976962	253.994284	15.0302578	411.58763
2006/07	29.16556	456.586727	291.533486	28.84836	541.299087
2007/08	13.7341	307.489049	193.721206	14.01171	364.861159
2008/09	45.7817	852.582102	572.896147	46.00337	969.691912
2009/10	64.68895	968.490521	630.492738	69.09914	1165.73939
2010/11	23.083	756.948952	535.26427	28.717	826.092952
2011/12	12.24371	337.880799	228.587902	13.0706	385.523049
MEDIA ANUAL	22.809491	562.797089	378.204071	33.265702	657.407813
MÁXIMO ANUAL	66.254307	969.787888	645.135118	109.068826	1165.739391
MÍNIMO ANUAL	6.771945	182.329730	115.134852	9.644992	222.305024

ESTACIONES					
COD_CHS	EA-017	EA-033	EA-037	EA-018	EA-019
APOR_MED_A	637340	21375	575936	638795	1865
UBICACIÓN	Río Segura	Río Guadalentín tras embalse de Puentes	Río Segura	Río Segura	Río Mula
NOMBRE	Abarán	Embalse de Puentes (aguas abajo)	Cañaverosa	Archena	La Cierva (aguas abajo)
X_UTM_MODI	641300	604280	613080	648879	632800
Y_UTM_MODI	4229500	4177200	4236310	4221596	4213740
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1940/41	842.479333	11.927623	757.364188	845.172143	4.29410687
1941/42	516.072322	11.6850568	440.01802	517.989873	3.6687887
1942/43	341.836877	16.7548735	284.748074	344.581308	3.42778654
1943/44	504.179801	114.331722	390.239619	507.501738	22.8281487
1944/45	374.910781	20.1944867	304.226295	377.725159	7.54385574
1945/46	874.210956	89.1120644	690.582341	880.422996	18.3899464
1946/47	1148.99556	74.7378844	969.497029	1155.15721	13.1764177
1947/48	963.418733	137.055822	807.508607	965.905671	8.82950341
1948/49	989.405184	218.785038	661.282282	994.891375	41.5834611
1949/50	428.831368	34.1494529	337.389019	431.847367	12.079412
1950/51	771.427754	79.1998117	623.692322	781.257414	16.4559171

ESTACIONES					
COD_CHS	EA-017	EA-033	EA-037	EA-018	EA-019
APOR_MED_A	637340	21375	575936	638795	1865
UBICACIÓN	Río Segura	Río Guadalentín tras embalse de Puentes	Río Segura	Río Segura	Río Mula
NOMBRE	Abarán	Embalse de Puentes (aguas abajo)	Cañaverosa	Archena	La Cierva (aguas abajo)
X_UTM_MODI	641300	604280	613080	648879	632800
Y_UTM_MODI	4229500	4177200	4236310	4221596	4213740
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1951/52	705.213336	104.02716	596.025153	709.433749	8.00344329
1952/53	389.06247	11.4290038	329.301671	391.285739	2.55630148
1953/54	617.110235	50.6186895	449.45627	622.88221	14.1528576
1954/55	502.734492	23.6621182	448.445251	504.347915	3.94996649
1955/56	548.861803	17.6146749	480.283444	550.410777	5.6285843
1956/57	442.947229	20.8451506	369.56361	444.834199	9.47128646
1957/58	619.790159	23.6188349	517.396734	623.543226	6.25172326
1958/59	899.617973	60.5399123	675.266948	907.979032	11.9260721
1959/60	1055.16698	17.594204	925.73222	1058.2683	3.44897987
1960/61	706.047731	12.7943658	638.279043	707.543167	2.29375161
1961/62	836.112412	46.5646119	635.975468	838.750307	7.04818916
1962/63	1090.70737	22.6031148	954.659746	1093.13252	5.10861087
1963/64	842.621051	19.3366558	655.387117	844.112098	3.27718407
1964/65	602.673062	34.1056339	454.807526	606.863818	8.75736624
1965/66	792.855771	12.5778726	724.412496	794.678426	3.49632458
1966/67	469.705955	28.8175562	392.324542	472.703952	4.19114198
1967/68	391.581631	21.3828943	318.079055	394.696332	5.1577617
1968/69	1019.05599	52.6757326	923.664165	1021.2625	3.47060008
1969/70	833.093067	118.94593	705.298403	839.22658	9.94209394
1970/71	696.232126	25.1189016	624.746496	698.013715	2.597475
1971/72	889.026725	41.0405148	773.683372	893.129451	6.347036
1972/73	842.193222	64.722427	672.697977	850.203212	9.81382798
1973/74	636.437541	97.3169587	524.022132	639.798716	9.8220276
1974/75	596.319983	30.1506194	494.307957	600.971852	5.06857279
1975/76	525.163859	44.6528333	432.56201	528.854001	8.43489922
1976/77	879.858642	18.9169455	800.178867	882.281849	2.86528737
1977/78	908.732748	14.6383119	847.465109	910.590914	2.7563425
1978/79	787.436995	20.5838763	736.142903	788.691691	1.66049548
1979/80	758.380103	35.3617588	664.01191	763.499331	4.89905666
1980/81	356.918861	8.96881898	308.538377	358.277974	1.7496394
1981/82	457.739893	16.8015185	400.759656	458.717373	1.54771014
1982/83	416.075971	15.3661126	351.344559	418.158668	2.32916301
1983/84	541.005064	20.6575425	488.622819	542.079667	1.72280908
1984/85	642.992526	19.8009614	582.682893	644.406512	2.26190727
1985/86	658.652638	21.3963006	601.393705	660.082253	2.23687544
1986/87	575.424233	50.2688609	460.039149	580.95859	9.34861685
1987/88	841.011225	16.3260963	697.586843	847.435472	7.04738113
1988/89	906.540081	75.5905258	683.926327	919.505592	10.8481304

ESTACIONES					
COD_CHS	EA-017	EA-033	EA-037	EA-018	EA-019
APOR_MED_A	637340	21375	575936	638795	1865
UBICACIÓN	Río Segura	Río Guadalentín tras embalse de Puentes	Río Segura	Río Segura	Río Mula
NOMBRE	Abarán	Embalse de Puentes (aguas abajo)	Cañaverosa	Archena	La Cierva (aguas abajo)
X_UTM_MODI	641300	604280	613080	648879	632800
Y_UTM_MODI	4229500	4177200	4236310	4221596	4213740
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1989/90	1025.306	114.694579	776.701736	1029.96246	15.5753986
1990/91	629.3484	23.441796	552.205652	631.533279	3.92817522
1991/92	555.385109	34.1058602	467.721571	557.614181	5.298129
1992/93	434.648112	26.4355912	354.971915	436.774245	3.98857571
1993/94	269.202159	7.41658228	228.350687	270.163276	1.41282461
1994/95	227.937884	14.7084228	182.23214	229.301687	2.18929307
1995/96	636.74503	13.2039951	577.170978	637.753361	2.17064161
1996/97	840.963759	56.2523253	702.759707	843.686808	5.40867997
1997/98	789.924875	27.2644727	694.101907	791.456212	4.39245134
1998/99	395.426894	14.3538277	335.015361	398.116126	2.9916646
1999/00	431.843907	14.902046	378.182105	432.840711	2.05531096
2000/01	692.199316	32.0400484	602.332733	695.209615	7.93788693
2001/02	541.780618	64.7338645	425.372108	547.083814	11.5984535
2002/03	553.388726	13.1081174	501.058581	554.898377	2.16818069
2003/04	880.932218	75.8680408	744.638318	887.979535	14.6457838
2004/05	400.216196	13.8100087	339.715574	402.29789	3.18779618
2005/06	417.412215	24.0224695	362.848981	419.576667	3.72900084
2006/07	553.214227	61.36591	456.185647	557.287457	8.65977
2007/08	376.864899	19.5045	307.106269	379.628919	2.98274
2008/09	981.524972	46.54196	852.138582	985.780892	9.75449
2009/10	1189.45055	107.44418	967.695651	1196.1815	12.62468
2010/11	834.801952	23.777	756.747952	837.984952	4.62
2011/12	395.129109	26.79632	337.563029	398.286569	2.09195
MEDIA ANUAL	667.923847	41.682774	562.617179	671.325868	6.905260
MÁXIMO ANUAL	1189.450551	218.785038	969.497029	1196.181501	41.583461
MÍNIMO ANUAL	227.937884	7.416582	182.232140	229.301687	1.412825

ESTACIONES					
COD_CHS	EA-020	EA-022	EA-024	EA-025	EA-102
APOR_MED_A	5894	8263	150037	33453	46433
UBICACIÓN	Río Mula	Río Luchena tras embalse de Valdeinferno	Río Mundo tras embalse de Camarillas	Río Guadalentín	Río Taibilla
NOMBRE	Baños de Mula	Embalse de Valdeinferno (aguas abajo)	Embalse de Camarillas (desagüe total)	Paso de Los Carros	Taibilla (aportaciones azud de derivación)
X_UTM_MODI	638305	591295	617813	656412	563596
Y_UTM_MODI	4211613	4184808	4244163	4200252	4231905
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1940/41	11.0188944	2.89690971	205.054363	34.5739663	68.1524774
1941/42	11.825771	2.6551526	120.501493	37.5812994	45.4150267
1942/43	9.26102143	4.73458413	81.2352367	38.0542785	28.1412665
1943/44	48.8938085	20.7321927	96.0765159	209.670748	38.2829863
1944/45	20.2003103	4.01334425	86.5424179	79.9334409	28.8866883
1945/46	59.580897	21.4054959	183.656237	193.308613	60.3227896
1946/47	29.0334372	20.8854112	258.662118	128.203519	88.5613111
1947/48	18.584903	33.2603648	214.360751	182.847133	82.8798975
1948/49	76.0604162	46.3911846	174.468854	349.430758	72.699649
1949/50	24.9092249	8.69558314	101.044811	81.7141628	37.3839684
1950/51	51.0118288	22.1951535	175.988642	154.048631	49.7691076
1951/52	23.0566177	27.8834735	175.650375	158.842047	61.0779998
1952/53	7.72225398	3.30452985	93.3349759	30.2933136	37.333585
1953/54	37.0642869	13.4312792	102.800757	124.953514	46.4526457
1954/55	11.0151175	7.95345091	106.764192	52.3546432	47.6313964
1955/56	13.2206405	4.6709812	113.426613	56.5432292	48.392506
1956/57	17.9277038	5.90331863	92.1542189	50.34172	35.300332
1957/58	17.2257637	7.09396108	146.646179	56.5208554	49.0669418
1958/59	28.3978619	23.4656999	200.676956	114.988286	64.1108058
1959/60	9.95197869	6.33325031	250.022579	43.5283005	85.3773427
1960/61	6.64115504	3.96317666	182.435236	34.7197843	64.28676
1961/62	23.7467233	20.8610683	188.808781	86.4887423	57.572792
1962/63	12.8145567	7.82773718	265.961004	54.2895014	86.0392116
1963/64	8.02597429	6.44805702	193.4062	42.6979954	67.1890053
1964/65	20.491107	12.0895113	132.502722	71.9788069	49.6605065
1965/66	8.55719759	3.35558849	194.78586	36.768043	64.3373107
1966/67	11.7608036	9.87234958	111.463682	66.6280875	41.6668558
1967/68	14.9146271	7.02495221	98.7572933	61.5165065	28.8581528
1968/69	9.46146196	16.6367542	234.929706	77.5103659	84.9905326
1969/70	27.2735247	32.8626655	186.466488	241.403214	76.2740839
1970/71	6.4043498	8.1073312	155.851118	50.7629623	64.3678363
1971/72	13.7070066	14.8623027	183.086476	86.4515102	78.2049271
1972/73	22.9711206	21.1117488	185.975822	126.309807	67.7392655
1973/74	22.0309638	33.1919894	131.127061	160.684167	56.9642021
1974/75	13.0709073	10.7284447	128.936423	77.8791566	51.2711025
1975/76	17.2539787	12.1015068	124.986155	102.561742	39.1059946
1976/77	7.18980052	7.15073732	204.824976	44.0713291	74.0622963

ESTACIONES					
COD_CHS	EA-020	EA-022	EA-024	EA-025	EA-102
APOR_MED_A	5894	8263	150037	33453	46433
UBICACIÓN	Río Mula	Río Luchena tras embalse de Valdeinferno	Río Mundo tras embalse de Camarillas	Río Guadalentín	Río Taibilla
NOMBRE	Baños de Mula	Embalse de Valdeinferno (aguas abajo)	Embalse de Camarillas (desagüe total)	Paso de Los Carros	Taibilla (aportaciones azud de derivación)
X_UTM_MODI	638305	591295	617813	656412	563596
Y_UTM_MODI	4211613	4184808	4244163	4200252	4231905
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1977/78	6.65699822	4.34982406	208.436783	42.5329609	73.455938
1978/79	4.08831461	7.23650135	182.881846	38.0418758	72.8679337
1979/80	10.4123184	12.180106	173.105436	84.6627611	61.4458283
1980/81	4.60033372	2.84634678	93.0365035	28.2927417	31.7123493
1981/82	3.59808671	5.92059588	102.877276	32.870749	43.7397104
1982/83	6.11264328	5.72973593	103.941097	38.8631891	31.3782265
1983/84	4.38180842	6.08667624	120.97947	44.2293507	47.8173685
1984/85	4.82183234	6.05683968	134.393343	37.6432134	60.3315915
1985/86	5.43734828	8.06381131	128.844179	48.5021057	62.4672373
1986/87	23.8128188	15.7033424	119.185115	106.120799	48.9569076
1987/88	15.8044053	4.43369559	183.644999	49.4389393	59.9159902
1988/89	24.2112406	24.2372183	189.681654	153.781963	63.8938491
1989/90	28.598517	40.5842835	214.20319	208.606341	76.6269889
1990/91	10.3725284	7.14480116	168.235582	75.7683942	50.0091893
1991/92	10.8271405	11.176821	119.133898	74.5613809	42.2024774
1992/93	9.27743153	8.48033622	92.2718246	73.1528063	36.7716001
1993/94	3.85912332	2.29520554	62.9811907	23.0948137	21.8175042
1994/95	5.23570941	4.54217768	53.1790874	35.5426845	16.0085834
1995/96	5.10070842	3.68064031	132.677122	30.7864448	57.6415539
1996/97	11.8484267	22.4204731	168.735963	99.1816194	77.2910133
1997/98	9.52982373	9.84436407	166.720106	53.9399583	74.5044634
1998/99	7.80483789	4.65520156	89.180974	38.9781632	39.6842249
1999/00	5.00530641	5.4299035	89.4059997	29.8408159	39.2824917
2000/01	16.1573351	8.80247125	121.778989	74.4563549	62.7176939
2001/02	36.8735557	22.9316754	106.538618	114.283998	46.2768858
2002/03	6.53266398	3.92991145	123.050299	33.2585914	43.634582
2003/04	54.2834141	28.9975346	200.174892	139.585626	64.4957336
2004/05	10.353745	4.22993156	115.024038	34.7052217	37.2283215
2005/06	9.65207761	7.81172842	90.2595148	53.2853042	35.5718763
2006/07	21.52265	25.11882	117.482477	105.91539	39.2373953
2007/08	7.83449	5.84953	90.509995	41.13949	27.76622
2008/09	21.23698	17.29441	204.038797	88.92385	65.0198053
2009/10	29.89024	38.73078	232.272286	166.22047	86.58153
2010/11	13.975	9.155	183.71045	51.401	77.6908
2011/12	6.32109	7.38781	88.6194341	51.50612	34.59056
MEDIA ANUAL	17.059846	12.769996	147.980079	83.382912	54.700889

ESTACIONES					
COD_CHS	EA-020	EA-022	EA-024	EA-025	EA-102
APOR_MED_A	5894	8263	150037	33453	46433
UBICACIÓN	Río Mula	Río Luchena tras embalse de Valdeinfierno	Río Mundo tras embalse de Camarillas	Río Guadalentín	Río Taibilla
NOMBRE	Baños de Mula	Embalse de Valdeinfierno (aguas abajo)	Embalse de Camarillas (desagüe total)	Paso de Los Carros	Taibilla (aportaciones azud de derivación)
X_UTM_MODI	638305	591295	617813	656412	563596
Y_UTM_MODI	4211613	4184808	4244163	4200252	4231905
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
MÁXIMO ANUAL	76.060416	46.391185	265.961004	349.430758	88.561311
MÍNIMO ANUAL	3.598087	2.295206	53.179087	23.094814	16.008583

ESTACIONES					
COD_CHS	EA-062	EA-064	EA-063	EA-067	EA-051
APOR_MED_A	638035	692341	652701	632147	8129
UBICACIÓN	Río Segura	Río Segura	Río Segura	Río Segura	Río Moratalla
NOMBRE	Ojos	Beniel	Contraparada	El Menjú	Moratalla
X_UTM_MODI	645620	675070	656900	639100	600962
Y_UTM_MODI	4223730	4213300	4208590	4231490	4229907
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1940/41	843.791524	909.474961	869.203389	833.480872	9.25303829
1941/42	516.80103	588.192588	542.597581	507.944159	6.12607416
1942/43	343.139156	411.747991	367.553749	333.563032	4.8108131
1943/44	505.290402	814.543027	583.471329	494.61271	15.024034
1944/45	375.826828	508.817045	418.465639	368.906889	10.2682649
1945/46	876.681911	1188.48518	978.565538	861.312125	31.691729
1946/47	1151.91288	1361.63195	1214.92024	1133.90165	26.682181
1947/48	964.276834	1195.40726	1002.28612	954.807347	14.531609
1948/49	991.510836	1531.51762	1120.32762	974.002627	31.998649
1949/50	429.912684	574.045431	478.558788	420.448839	9.92362935
1950/51	775.967167	1045.10784	877.48827	750.259625	13.6848406
1951/52	706.925998	931.288715	760.06068	691.934051	11.45708
1952/53	389.892938	447.065642	411.600478	381.277638	7.89130121
1953/54	619.765489	825.992418	688.121309	604.88036	16.4276282
1954/55	503.122302	590.752408	530.264005	497.587447	5.80643615
1955/56	549.291701	646.39029	577.017897	543.966057	8.96055111
1956/57	443.712406	536.528715	476.27609	436.524335	8.45730811
1957/58	621.513553	723.709447	660.629716	606.15603	11.0217954
1958/59	904.083112	1098.11723	965.430278	879.619152	20.6070922
1959/60	1056.46712	1138.10576	1086.67131	1038.34351	11.1286509
1960/61	706.548603	763.801987	724.329765	698.659931	6.47588738
1961/62	837.089958	970.627724	879.274723	829.168917	13.7649656
1962/63	1091.65331	1180.08153	1120.89485	1083.27734	17.7687826
1963/64	843.101574	908.274093	861.772808	836.726173	10.7643316
1964/65	604.634135	757.292458	678.419217	591.097521	12.3652354

ESTACIONES					
COD_CHS	EA-062	EA-064	EA-063	EA-067	EA-051
APOR_MED_A	638035	692341	652701	632147	8129
UBICACIÓN	Río Segura	Río Segura	Río Segura	Río Segura	Río Moratalla
NOMBRE	Ojos	Beniel	Contraparada	El Menjú	Moratalla
X_UTM_MODI	645620	675070	656900	639100	600962
Y_UTM_MODI	4223730	4213300	4208590	4231490	4229907
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
1965/66	793.553682	859.231569	815.770532	785.969411	10.0549087
1966/67	471.062192	575.350904	499.759942	459.384156	9.6630199
1967/68	392.988826	500.665246	426.071467	382.94649	7.3765731
1968/69	1019.89576	1125.45747	1043.30171	1011.97035	20.9840142
1969/70	835.876053	1150.44306	893.843729	820.181496	16.6055557
1970/71	697.044355	771.885917	715.695375	688.702913	11.4645323
1971/72	891.240997	1021.76231	925.17255	875.784519	17.6598532
1972/73	846.308803	1062.63016	907.687446	821.619499	24.9577203
1973/74	637.872458	851.893246	680.334756	627.073127	15.927296
1974/75	598.592119	723.925194	633.155194	584.769377	15.5063298
1975/76	527.032387	673.866402	562.030558	515.386826	12.8581844
1976/77	880.987675	951.808483	901.362507	870.992588	14.2238458
1977/78	909.582293	976.036612	927.01591	902.392104	10.2531239
1978/79	788.022811	840.630629	799.014373	782.240401	7.33588421
1979/80	761.426638	889.556471	789.813036	746.732272	15.6833034
1980/81	357.502567	404.470086	370.519145	350.890138	6.40254371
1981/82	458.209936	503.854625	467.408141	453.017642	9.52207887
1982/83	417.092981	478.485916	434.455432	406.481037	7.38418118
1983/84	541.411196	601.924225	553.34864	536.031843	6.16458183
1984/85	643.657994	699.445597	656.506499	637.113864	8.04358968
1985/86	659.264036	727.23609	673.174429	653.171816	8.06427194
1986/87	578.221856	754.913218	632.669405	561.969084	15.3878305
1987/88	844.586935	958.962229	891.188982	820.53393	25.3054234
1988/89	914.554985	1146.3974	975.639584	874.367748	31.0292032
1989/90	1027.42036	1304.96355	1082.08993	1007.82311	40.795306
1990/91	630.091695	749.794101	657.394607	622.560733	13.2310855
1991/92	556.376703	664.407461	581.432701	547.016538	17.2665212
1992/93	435.541108	539.737477	457.608934	427.063056	12.1222073
1993/94	269.535855	307.723205	280.657055	264.49797	4.19384092
1994/95	228.553038	280.781229	241.41841	222.632575	5.18033673
1995/96	637.118617	685.059702	649.954624	631.723043	10.386944
1996/97	842.271712	976.570266	869.49924	832.023292	18.9945136
1997/98	790.404615	871.485639	812.338281	783.401414	14.1643205
1998/99	396.608619	462.496871	417.82562	388.295192	7.61143752
1999/00	432.154439	477.922141	444.712378	427.454791	9.39555081
2000/01	693.593263	817.432604	728.965479	683.529886	10.0107417
2001/02	543.984806	740.820965	613.105812	530.536119	12.1045387
2002/03	553.786828	611.823546	573.593831	547.906442	5.58865614
2003/04	883.30412	1132.98114	982.031587	868.699079	20.042368
2004/05	400.808668	472.047167	430.347868	394.461752	10.2769408

ESTACIONES					
COD_CHS	EA-062	EA-064	EA-063	EA-067	EA-051
APOR_MED_A	638035	692341	652701	632147	8129
UBICACIÓN	Río Segura	Río Segura	Río Segura	Río Segura	Río Moratalla
NOMBRE	Ojos	Beniel	Contraparada	El Menjú	Moratalla
X_UTM_MODI	645620	675070	656900	639100	600962
Y_UTM_MODI	4223730	4213300	4208590	4231490	4229907
FECHA	Hm3/año	Hm3/año	Hm3/año	Hm3/año	Hm3/año
2005/06	418.210858	501.942548	442.123336	411.835911	6.47376661
2006/07	555.351277	712.921967	598.986437	541.708777	21.7454
2007/08	378.456459	449.135589	400.695739	365.362679	9.85824
2008/09	983.867952	1124.44528	1026.06791	970.291502	33.96302
2009/10	1193.24034	1437.13039	1256.60638	1166.75344	47.45455
2010/11	836.352952	926.400952	869.085952	826.538952	16.634
2011/12	397.058489	475.789769	417.131429	386.026769	8.93439
MEDIA ANUAL	669.486052	800.300638	706.705754	657.921167	14.183034
MÁXIMO ANUAL	1193.240341	1531.517622	1256.606381	1166.753441	47.454550
MÍNIMO ANUAL	228.553038	280.781229	241.418410	222.632575	4.193841