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Estudio de los Caudales Ecológicos en el río Aragón (Plan de Restitución Territorial - 2000)

ESTUDIO DE LOS CAUDALES ECOLÓGICOS EN EL RÍO ARAGÓN Y SU COMPATIBILIDAD CON LOS APROVECHAMIENTOS HIDROELÉCTRICOS Y DE REGADÍOS

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1.- INTRODUCCIÓN

En el presente Estudio se analizan las posibilidades de aprovechar el recurso hídrico del río Aragón, aguas arriba y aguas abajo del Embalse de Yesa, examinando su régimen hidráulico para establecer sus necesidades ecológicas, como consecuencia de las históricas y extensas pretensiones de ampliación y transformación agraria de los terrenos de su entorno para regadío, así como para su aprovechamiento hidroeléctrico.

Para ello el Estudio se ha dividido en 5 apartados:

- en el primero se justifica y aplica un método para la determinación de los caudales ecológicos a mantener aguas abajo de la Presa de Yesa, concluyendo con una Ley de Caudales Ecológicos a considerar durante la explotación de las obras proyectadas para el recrecimiento de la misma, basándonos en los datos de explotación registrados durante los últimos once años hidrológicos

- en el segundo se justifica la determinación, a partir de la anterior ley, de los caudales ecológicos aguas arriba del Embalse

- en el tercero se analizan los datos registrados durante los últimos quince años en la estación de foronómica EA-170, río Aragón en "Yesa C.E.", en relación con la Ley de Caudales Ecológicos determinada para aguas arriba del Embalse

- en el cuarto se analizan los caudales que se barajan para regadíos y para aprovechamientos hidroeléctricos

- finalmente, en el quinto apartado, se dan unas conclusiones sobre la compatibilidad entre los caudales del río Aragón y los dos usos citados: riego e hidroeléctrico.

2.- CAUDALES ECOLÓGICOS A SATISFACER CON LA PRESA DE YESA

2.1.- MÉTODO Y DATOS DE PARTIDA

Como datos de aportaciones del río Aragón al embalse de Yesa, se han utilizado los registros diarios recogidos en la presa, formados por la serie de 11 años entre los años hidrológicos 1.986/87 y 1.996/97, ambos inclusive, en los que la aportación y caudal medios tomaron valores de 1,086.13 Hm^3/año y 34.43 m^3/s, respectivamente (ver Resumen de Aportaciones y Caudales de la página siguiente).

Para la realización de este estudio de los CAUDALES ECOLÓGICOS A SATISFACER CON LA PRESA DE YESA, se ha utilizado la metodología propuesta en el libro “Restauración de Ríos y Riberas”, escrito por Marta González del Tánago del Río y Diego García de Jalón Lastra, y editado por la E.T.S. de Ingenieros de Montes de la U.P.M.

De entre los numerosos métodos existentes para la determinación de los caudales ecológicos deseables en los ríos, desechando los más simples (que determinan estos caudales como un cierto porcentaje de valores medios anuales, sin discriminar tan siquiera entre las distintas épocas del año), y los más complejos (que analizan por módulos, denominados "células", cada zona del río de una forma exahustiva), se ha aplicado un MÉTODO BASADO EN LOS CAUDALES HISTÓRICOS y que permite fijar caudales realmente ecológicos ligados con las exigencias de la biología de los ríos que, de una forma lógica y natural, a lo largo del transcurso del tiempo se han ido adaptando a las condiciones climáticas, y particularmente a las hidrológicas, a las que se encuentran sometidos.

El CRITERIO BIOLÓGICO empleado ha sido el de buscar los caudales medios mínimos que se han dado históricamente en días consecutivos durante un periodo de tiempo representativo, que ha sido considerado de 30 días. Así, obtendremos los caudales bajos para los que las comunidades del río están adaptadas y toleran durante periodos largos y con una cierta frecuencia, y no los estiajes extremos ocasionales.

RESUMEN DE LAS APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA

PERIODO	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	MEDIA	TOTAL
1.986 / 87	32,20	84,85	69,66	82,50	106,99	73,13	254,40	61,12	40,16	55,86	17,64	10,19	**74,06**	**888,69**
1.987 / 88	213,18	58,96	105,90	224,91	242,18	119,54	266,48	156,55	168,67	99,16	24,93	20,11	**141,71**	**1.700,56**
1.988 / 89	30,24	18,89	24,67	16,75	26,49	91,47	162,12	125,50	45,02	18,77	27,02	14,88	**50,15**	**601,81**
1.989 / 90	16,70	79,01	79,86	35,44	100,77	38,15	89,35	125,10	64,04	26,62	17,31	18,52	**57,57**	**690,86**
1.990 / 91	91,24	98,11	105,85	98,49	44,97	130,28	107,82	125,78	67,13	19,00	7,29	28,54	**77,04**	**924,48**
1.991 / 92	70,67	168,66	52,67	20,69	20,10	28,02	186,75	85,19	80,78	40,26	58,00	29,17	**70,08**	**840,94**
1.992 / 93	299,27	148,34	253,98	46,18	18,49	26,88	86,39	148,60	66,85	24,79	17,01	62,21	**99,92**	**1.198,99**
1.993 / 94	184,59	76,39	129,73	229,82	120,37	116,33	138,22	172,75	62,39	24,85	15,13	28,20	**108,23**	**1.298,76**
1.994 / 95	89,61	173,48	72,74	185,54	129,50	166,88	71,30	103,20	40,55	25,91	13,77	17,80	**90,86**	**1.090,28**
1.995 / 96	12,86	70,41	237,86	252,51	172,78	111,23	105,75	146,38	88,95	46,73	30,02	39,01	**109,54**	**1.314,47**
1.996 / 97	37,94	153,48	340,32	240,13	86,39	65,19	58,33	111,21	88,42	117,25	60,26	38,66	**116,47**	**1.397,61**
MÍNIMO	**12,86**	**18,89**	**24,67**	**16,75**	**18,49**	**26,88**	**58,33**	**61,12**	**40,16**	**18,77**	**7,29**	**10,19**	**50,15**	**601,81**
MEDIO	**98,05**	**102,78**	**133,93**	**130,27**	**97,18**	**87,92**	**138,81**	**123,76**	**73,90**	**45,38**	**26,22**	**27,93**	**90,51**	**1.086,13**
MÁXIMO	**299,27**	**173,48**	**340,32**	**252,51**	**242,18**	**166,88**	**266,48**	**172,75**	**168,67**	**117,25**	**60,26**	**62,21**	**141,71**	**1.700,56**

RESUMEN DE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA

PERIODO	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	MEDIA
1.986 / 87	12,02	32,73	26,01	30,80	44,22	27,30	98,15	22,82	15,49	20,86	6,59	3,93	**28,41**
1.987 / 88	79,59	22,74	39,54	83,97	96,66	44,63	102,81	58,45	65,07	37,02	9,31	7,76	**53,96**
1.988 / 89	11,29	7,29	9,21	6,26	10,95	34,15	62,55	46,86	17,37	7,01	10,09	5,74	**19,06**
1.989 / 90	6,24	30,48	29,82	13,23	41,65	14,24	34,47	46,71	24,71	9,94	6,46	7,14	**22,09**
1.990 / 91	34,06	37,85	39,52	36,77	18,59	48,64	41,60	46,96	25,90	7,09	2,72	11,01	**29,23**
1.991 / 92	26,39	65,07	19,66	7,73	8,02	10,46	72,05	31,81	31,17	15,03	21,65	11,25	**26,69**
1.992 / 93	111,73	57,23	94,83	17,24	7,64	10,03	33,33	55,48	25,79	9,26	6,35	24,00	**37,74**
1.993 / 94	68,92	29,47	48,43	85,80	49,76	43,43	53,32	64,50	24,07	9,28	5,65	10,88	**41,13**
1.994 / 95	33,46	66,93	27,16	69,27	53,53	62,30	27,51	38,53	15,64	9,67	5,14	6,87	**34,67**
1.995 / 96	4,80	27,16	88,80	94,28	68,96	41,53	40,80	54,65	34,32	17,45	11,21	15,05	**41,58**
1.996 / 97	14,17	59,21	127,06	89,65	35,71	24,34	22,51	41,52	34,11	43,78	22,50	14,92	**44,12**
MÍNIMO	**4,80**	**7,29**	**9,21**	**6,26**	**7,64**	**10,03**	**22,51**	**22,82**	**15,49**	**7,01**	**2,72**	**3,93**	**19,06**
MEDIO	**36,61**	**39,65**	**50,00**	**48,64**	**39,61**	**32,82**	**53,55**	**46,21**	**28,51**	**16,94**	**9,79**	**10,78**	**34,43**
MÁXIMO	**111,73**	**66,93**	**127,06**	**94,28**	**96,66**	**62,30**	**102,81**	**64,50**	**65,07**	**43,78**	**22,50**	**24,00**	**53,96**

2.2.- DESARROLLO DEL MÉTODO

Sobre la serie histórica de caudales medios diarios en el río Aragón (Apéndice 1.1), deducidos de las aportaciones diarias registradas en la presa de Yesa (Apéndice 1.2), se han calculado los caudales medios de todos los grupos de 30 días consecutivos, denominados Q30.

El método se aplicaría, aunque en este caso concreto no ha lugar dados los valores registrados, desestimando todos aquellos grupos en los que cualquiera de sus 30 datos fuera nulo o no registrado:

- Los nulos reflejan situaciones de extrema sequía que no se quieren considerar en los cálculos a pesar de que, de esta forma, resultarán valores de caudal ecológico mayores

- Las faltas en los registros no se ajustan al criterio de buscar los caudales mínimos a los que el río está adaptado a soportar durante un periodo de tiempo continuado, por lo que tampoco se consideran

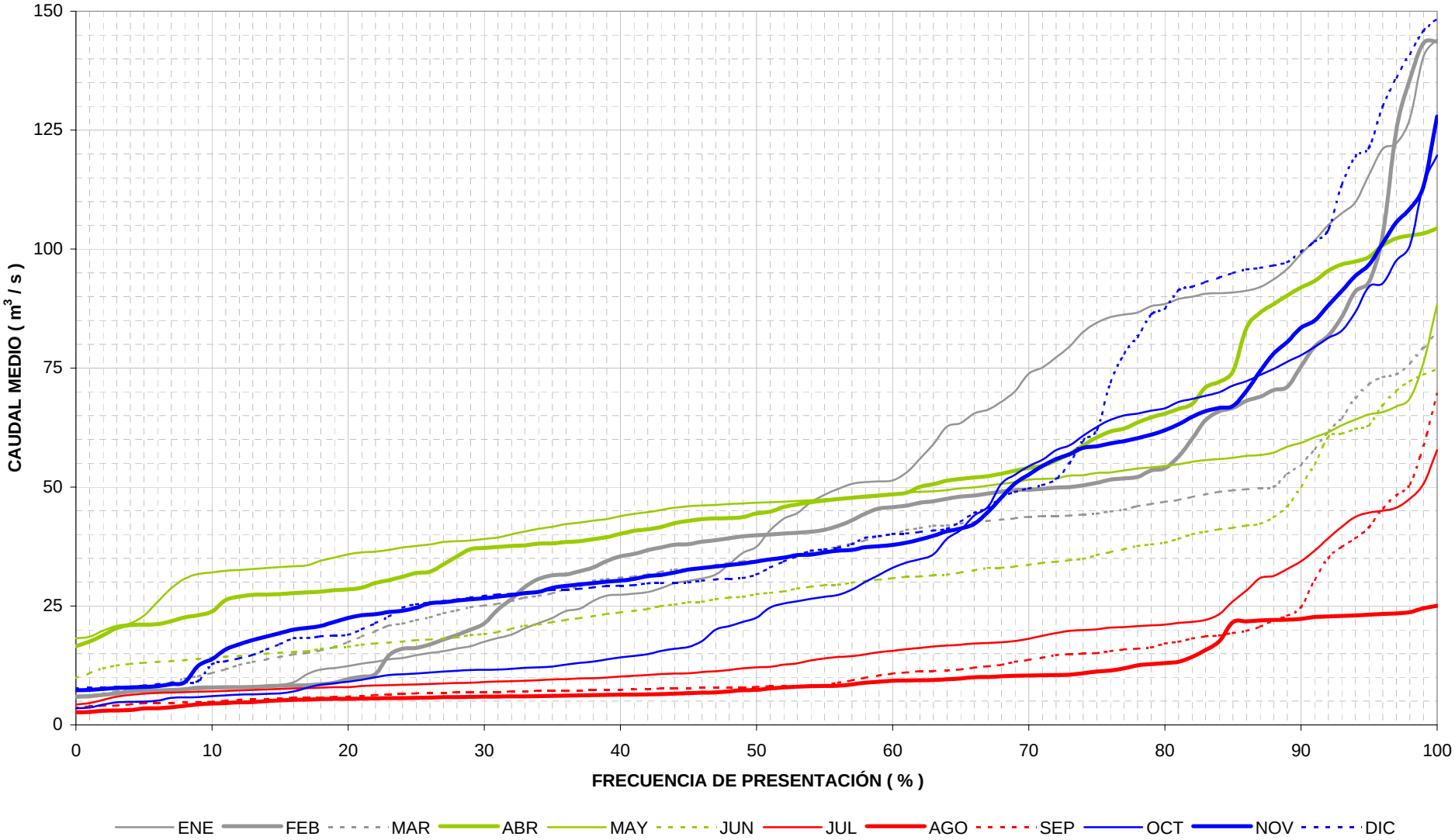
Cada caudal medio Q30 así obtenido se ha asignado al mes del año en el que se encuentra el dato central del grupo, considerando como tal al quinceavo dato anterior al último del grupo de 30 datos con el que se obtuvo dicha media.

Posteriormente, se han agrupado dichos caudales medios Q30 en columnas por meses y, dentro de cada mes, se han ordenado en orden creciente indicando, en columna paralela, el porcentaje de valores inferiores o iguales a cada uno de ellos en dicho mes, dando lugar a la Tabla adjunta y a su Gráfico asociado.

Esta ordenación permite ver instantáneamente el menor valor mensual del caudal medio de un grupo de 30 días consecutivos (el primero de cada mes, al estar ordenados de forma ascendente) y que, según el método descrito, sería el que se debería mantener como caudal ecológico del cauce.

CAUDALES MEDIOS Q_{30} Y FRECUENCIAS DE PRESENTACIÓN DE UN $Q<=Q_{30}$

DEL RÍO ARAGÓN EN EL EMBALSE DE YESA



CAUDALES MEDIOS Q_{30} (m^3/s) Y FRECUENCIA (%) DE PRESENTACIÓN DE CAUDALES INFERIORES O IGUALES

%	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
0	6.169	5.895	5.896	16.544	18.188	9.864	4.269	2.665	3.540	3.507	7.286	7.692
1	6.241	6.000	6.001	17.523	18.517	10.848	4.574	2.721	3.915	3.656	7.358	7.755
2	6.482	6.329	6.577	18.911	19.828	11.899	5.267	2.967	3.994	4.285	7.585	7.853
3	6.796	6.602	7.087	20.365	20.806	12.487	5.941	3.044	4.096	4.772	7.759	7.915
4	6.927	7.065	7.292	20.997	21.335	12.828	6.339	3.109	4.317	4.841	7.879	8.010
5	7.109	7.192	7.613	21.074	22.969	13.058	6.587	3.422	4.523	4.908	7.975	8.300
6	7.246	7.258	8.312	21.170	25.880	13.251	6.714	3.519	4.566	5.137	8.164	8.553
7	7.300	7.331	8.943	21.794	28.728	13.404	6.763	3.679	4.661	5.662	8.562	8.756
8	7.408	7.529	9.692	22.580	30.717	13.623	6.884	4.042	4.702	5.806	8.969	8.937
9	7.511	7.843	10.203	23.042	31.742	13.882	6.999	4.326	4.747	5.866	12.493	9.253
10	7.611	7.882	10.885	23.869	32.037	14.140	7.032	4.494	4.829	6.030	13.842	12.724
11	7.732	7.912	11.676	26.258	32.379	14.353	7.138	4.603	5.118	6.209	15.841	13.332
12	7.830	7.921	12.638	26.957	32.579	14.496	7.230	4.728	5.287	6.344	16.945	14.001
13	7.885	7.991	13.225	27.315	32.786	14.692	7.338	4.810	5.354	6.393	17.864	14.691
14	8.147	8.145	13.750	27.415	32.988	14.968	7.459	4.992	5.422	6.534	18.570	15.785
15	8.392	8.223	14.301	27.480	33.180	15.194	7.558	5.179	5.548	6.633	19.301	16.984
16	8.975	8.298	14.815	27.702	33.340	15.327	7.653	5.277	5.741	7.049	20.021	18.209
17	10.676	8.366	15.151	27.884	33.524	15.510	7.724	5.323	5.775	7.832	20.389	18.276
18	11.641	8.534	15.669	28.032	34.549	15.986	7.813	5.413	5.798	8.456	20.841	18.626
19	11.925	8.863	16.374	28.319	35.172	16.259	7.921	5.477	5.888	8.773	21.644	18.803
20	12.384	9.635	17.398	28.470	35.844	16.443	7.953	5.499	5.952	9.084	22.485	18.936
21	12.912	10.124	18.549	28.863	36.280	16.843	8.198	5.543	6.035	9.520	23.055	20.087
22	13.269	10.683	19.730	29.856	36.392	17.120	8.301	5.571	6.279	9.993	23.282	21.408
23	13.784	14.630	20.863	30.406	36.794	17.308	8.348	5.624	6.419	10.478	23.722	22.730
24	14.063	16.038	21.262	31.169	37.330	17.531	8.438	5.654	6.496	10.623	23.999	24.601
25	14.657	16.155	22.043	31.930	37.609	17.788	8.501	5.711	6.643	10.795	24.618	25.365
26	15.143	16.910	22.609	32.168	37.947	17.973	8.607	5.753	6.725	11.001	25.565	25.723
27	15.492	17.931	23.487	33.755	38.453	18.174	8.701	5.845	6.802	11.216	25.785	26.035
28	16.071	18.876	24.034	35.434	38.633	18.341	8.816	5.857	6.872	11.374	26.115	26.327
29	16.534	20.048	24.705	36.935	38.776	18.879	8.877	5.897	6.909	11.507	26.379	26.754
30	17.502	21.335	25.113	37.201	39.089	19.104	9.014	5.928	6.926	11.561	26.628	27.117
31	18.245	24.236	25.469	37.402	39.400	19.514	9.127	5.958	6.946	11.610	26.953	27.445
32	19.007	26.511	26.052	37.599	40.067	20.171	9.176	6.013	7.034	11.810	27.296	27.566
33	20.302	28.997	26.755	37.710	40.643	20.825	9.279	6.024	7.096	11.983	27.724	27.790
34	21.379	30.692	27.116	38.062	41.240	21.073	9.414	6.043	7.176	12.125	27.983	28.093
35	22.479	31.449	27.634	38.146	41.620	21.596	9.548	6.106	7.213	12.267	28.788	28.373
36	23.973	31.624	28.520	38.472	42.184	22.056	9.622	6.142	7.235	12.686	29.214	28.442
37	24.413	32.297	29.084	38.635	42.503	22.422	9.768	6.214	7.266	13.036	29.510	28.598
38	26.011	33.053	30.315	39.030	42.937	22.842	9.800	6.283	7.285	13.328	29.799	28.886
39	27.203	34.420	30.636	39.467	43.231	23.317	9.989	6.322	7.292	13.762	30.101	29.165
40	27.331	35.425	30.923	40.170	43.875	23.651	10.172	6.347	7.334	14.212	30.296	29.262
41	27.599	35.948	31.204	40.777	44.348	23.998	10.313	6.382	7.444	14.530	30.661	29.370
42	27.934	36.715	31.615	41.136	44.718	24.353	10.497	6.434	7.547	14.887	31.242	29.728
43	28.773	37.328	32.186	41.592	45.158	25.008	10.710	6.486	7.649	15.542	31.533	29.803
44	29.773	37.865	32.656	42.418	45.637	25.283	10.788	6.589	7.693	16.031	32.015	29.889
45	30.256	37.985	32.694	42.894	45.981	25.777	10.876	6.688	7.726	16.358	32.659	29.957
46	30.782	38.518	33.134	43.270	46.117	25.890	11.109	6.787	7.781	17.660	32.975	30.329
47	31.614	38.812	33.589	43.401	46.246	26.397	11.288	6.830	7.802	20.034	33.299	30.585
48	33.747	39.215	34.062	43.457	46.423	26.752	11.530	7.031	7.867	20.769	33.622	30.750
49	36.156	39.668	34.361	43.693	46.538	26.919	11.887	7.303	7.893	21.630	33.922	30.910
50	37.451	39.856	34.513	44.449	46.687	27.517	12.106	7.379	8.003	22.542	34.351	31.592

CAUDALES MEDIOS Q_{30} (m^3/s) Y FRECUENCIA (%) DE PRESENTACIÓN DE CAUDALES INFERIORES O IGUALES

%	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
51	40.923	40.027	34.837	44.831	46.779	27.766	12.225	7.664	8.126	24.680	34.796	33.078
52	43.359	40.247	35.081	45.815	46.917	28.090	12.671	7.865	8.175	25.535	35.168	34.340
53	44.484	40.377	35.774	46.316	47.053	28.664	12.949	8.041	8.216	25.959	35.661	35.424
54	46.810	40.582	36.280	46.782	47.238	29.057	13.564	8.151	8.298	26.527	35.806	36.603
55	48.389	40.985	36.723	47.178	47.411	29.363	13.975	8.185	8.339	26.926	36.239	36.870
56	49.621	41.844	37.524	47.455	47.509	29.491	14.306	8.240	8.892	27.335	36.640	37.235
57	50.673	43.015	38.079	47.759	47.724	29.901	14.434	8.526	9.347	28.445	36.796	37.909
58	51.005	44.403	38.757	48.025	47.762	30.256	14.806	8.883	9.887	30.057	37.350	39.350
59	51.186	45.475	39.715	48.193	48.028	30.539	15.279	9.074	10.388	31.522	37.541	39.675
60	51.382	45.760	40.082	48.445	48.466	30.832	15.566	9.312	10.779	33.046	37.851	40.133
61	53.009	46.076	40.978	48.757	48.838	31.102	15.928	9.342	11.034	34.132	38.291	40.230
62	55.955	46.680	41.363	50.051	48.977	31.206	16.150	9.366	11.250	34.841	38.997	40.516
63	58.988	46.992	41.818	50.621	49.113	31.384	16.465	9.428	11.309	35.865	39.771	40.842
64	62.701	47.525	41.887	51.360	49.378	31.543	16.671	9.580	11.402	39.156	40.694	41.236
65	63.445	47.992	42.325	51.687	49.711	32.032	16.864	9.743	11.612	40.967	41.286	42.705
66	65.489	48.229	42.607	52.039	49.906	32.515	17.096	10.018	12.033	44.023	42.246	44.553
67	66.249	48.631	42.869	52.255	50.306	32.986	17.209	10.095	12.314	45.840	44.766	45.579
68	67.928	49.028	43.131	52.824	50.646	33.037	17.373	10.212	12.637	50.717	47.785	47.766
69	70.112	49.344	43.432	53.412	51.011	33.264	17.619	10.322	13.242	52.589	50.741	48.925
70	73.827	49.405	43.795	53.990	51.554	33.663	18.084	10.404	13.663	54.342	52.604	49.664
71	75.111	49.598	43.867	54.494	51.725	34.084	18.720	10.444	14.134	55.744	54.407	50.398
72	77.295	49.893	43.897	55.551	51.815	34.287	19.293	10.511	14.641	57.770	55.868	51.627
73	79.517	49.988	43.970	56.952	52.369	34.664	19.794	10.540	14.870	58.770	56.868	54.975
74	82.567	50.329	44.233	58.744	52.480	34.912	19.953	10.867	14.950	60.782	58.237	59.813
75	84.496	50.885	44.380	60.403	52.952	35.664	20.102	11.217	15.099	62.613	58.535	61.930
76	85.696	51.535	44.863	61.661	53.055	36.336	20.430	11.419	15.521	64.131	59.186	71.981
77	86.262	51.818	45.244	62.282	53.499	36.960	20.576	11.891	15.874	65.068	59.659	78.072
78	86.672	52.125	45.944	63.572	53.921	37.600	20.786	12.533	16.029	65.435	60.253	81.554
79	88.002	53.463	46.412	64.622	54.117	37.946	20.941	12.778	16.268	66.067	61.017	86.245
80	88.443	53.947	46.882	65.442	54.401	38.297	21.088	12.969	17.100	66.501	61.917	87.539
81	89.513	56.387	47.266	66.400	54.781	39.070	21.434	13.253	17.454	67.867	63.208	91.291
82	90.015	60.166	47.886	67.451	55.322	40.078	21.677	14.301	18.169	68.479	64.752	92.083
83	90.610	64.065	48.489	70.949	55.647	40.607	22.063	15.754	18.609	69.203	65.932	93.103
84	90.726	65.896	48.971	72.120	55.892	41.116	23.263	17.588	18.805	69.913	66.649	94.015
85	90.895	66.610	49.292	74.273	56.136	41.400	25.969	21.616	19.306	71.322	67.039	94.937
86	91.274	68.149	49.491	83.504	56.575	41.904	28.291	21.767	19.774	72.278	70.243	95.728
87	92.053	68.959	49.749	86.643	56.707	42.271	30.892	21.942	20.660	73.569	74.415	96.062
88	93.657	70.395	50.027	88.459	57.234	43.618	31.281	22.078	21.952	74.796	78.063	96.569
89	95.838	71.037	52.770	90.284	58.507	45.903	32.785	22.135	22.955	76.320	80.482	97.237
90	98.994	75.338	54.695	91.956	59.252	50.098	34.368	22.291	24.712	77.687	83.494	99.422
91	101.822	79.490	58.007	93.312	60.475	54.825	36.603	22.671	30.545	79.463	85.002	101.595
92	105.055	81.830	61.599	95.458	61.499	60.513	39.238	22.788	35.070	81.328	88.191	104.022
93	107.509	85.747	64.502	96.805	62.961	61.191	41.643	22.879	37.416	82.865	91.192	113.507
94	109.874	91.124	68.711	97.410	64.193	62.209	43.701	23.033	39.173	86.760	94.381	119.495
95	115.599	93.118	71.630	98.342	65.291	62.991	44.588	23.172	41.506	92.137	96.752	121.375
96	121.031	103.013	73.073	100.800	65.741	67.215	45.034	23.309	45.556	92.812	101.242	130.029
97	122.262	125.078	73.686	102.266	66.943	70.234	45.671	23.427	48.263	97.631	105.664	136.073
98	127.414	135.642	76.066	102.813	68.631	72.187	47.507	23.695	50.558	100.677	108.459	141.026
99	140.489	143.295	79.301	103.314	76.113	73.557	50.683	24.527	58.649	113.524	113.182	145.887
100	144.028	143.612	82.547	104.371	88.382	74.771	57.755	25.038	69.570	119.684	127.902	148.362

2.3.- CAUDAL ECOLÓGICO ADOPTADO

Puesto que la distribución mensual de caudales ecológicos así obtenida presenta unos valores muy pequeños durante los meses de estiaje: Julio, Agosto y Septiembre, fundamentalmente, se ha analizado el gráfico anterior de frecuencia de presentación de caudales iguales o inferiores a un Q30 dado en cada mes.

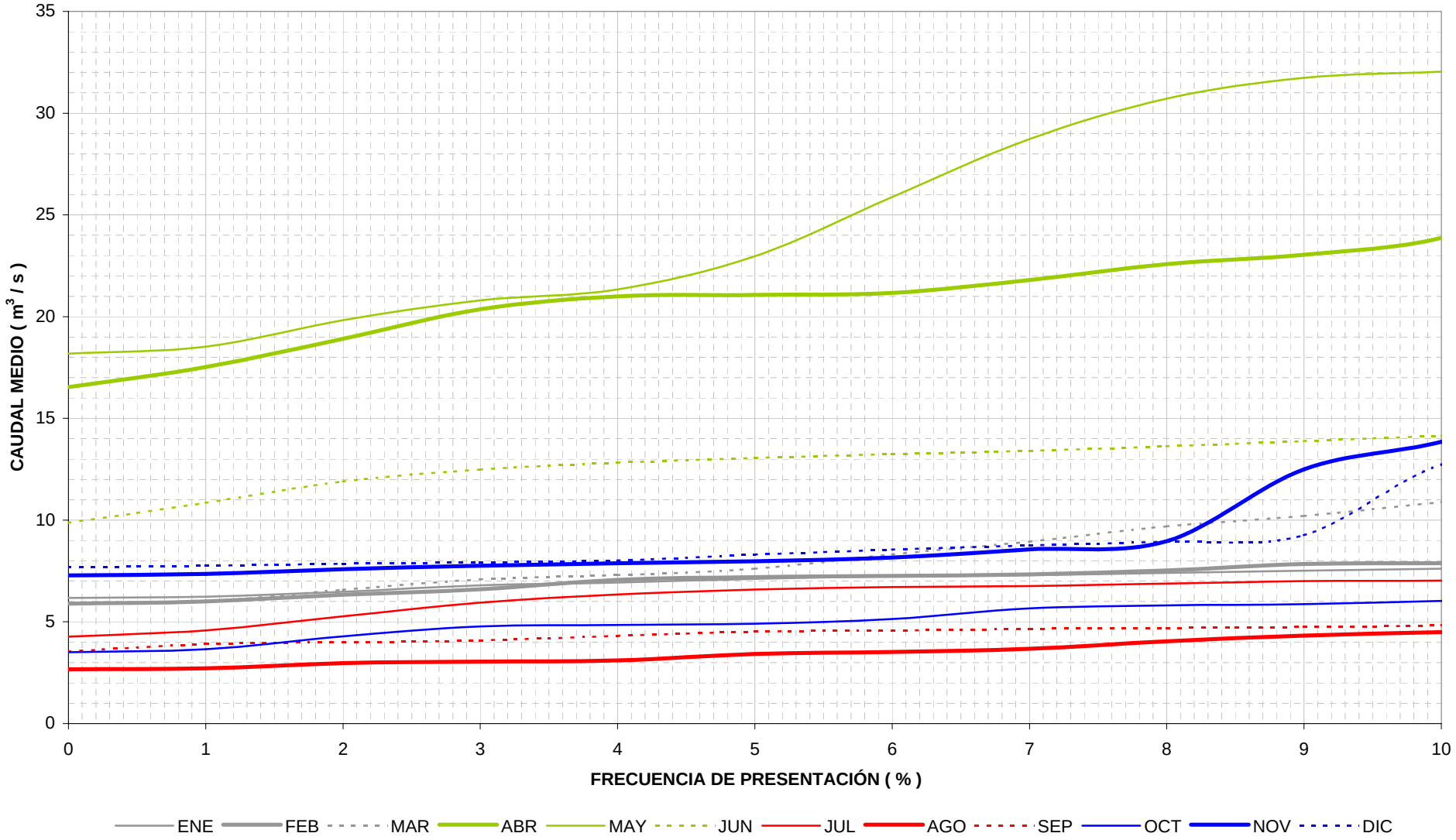
En este gráfico se aprecian unas singularidades entorno a las frecuencias del 5 % de presentación, para las que los caudales dan una especie de salto brusco en sus valores. Este detalle se aprecia mejor en una ampliación de esta zona del gráfico y que abarca hasta caudales con un 10 % de frecuencia de presentación de un caudal menor o igual al mismo (ver Gráfico de la página siguiente).

Considerando que los valores inferiores de esta zona del gráfico responden a sequías extremas, se han adoptado como caudales ecológicos los valores correspondientes al entorno del 5 %, redondeándolos y mayorándolos en general, de forma que se mantendrá todos los días del año un caudal superior al medio que, en los 15 días anteriores y posteriores a dicho día, se ha presentado de hecho un 5 % de las veces, y con igual o mayor severidad, de forma natural, por lo que el río estará con unas condiciones garantizadas mejores que las naturales con unos caudales regulados que reproducirán su comportamiento natural, a excepción del 5 % de los años más secos.

La Ley de Caudales Ecológicos a mantener aguas abajo de la Presa de Yesa, en base a los datos obtenidos del río Aragón con la explotación del actual Embalse, es la que se recoge a continuación en forma de Cuadro y de Gráfico.

CAUDALES MEDIOS Q_{30} Y FRECUENCIAS DE PRESENTACIÓN DE UN Q<=Q30

DEL RÍO ARAGÓN EN EL EMBALSE DE YESA (HASTA UN 10 % DE FRECUENCIA)

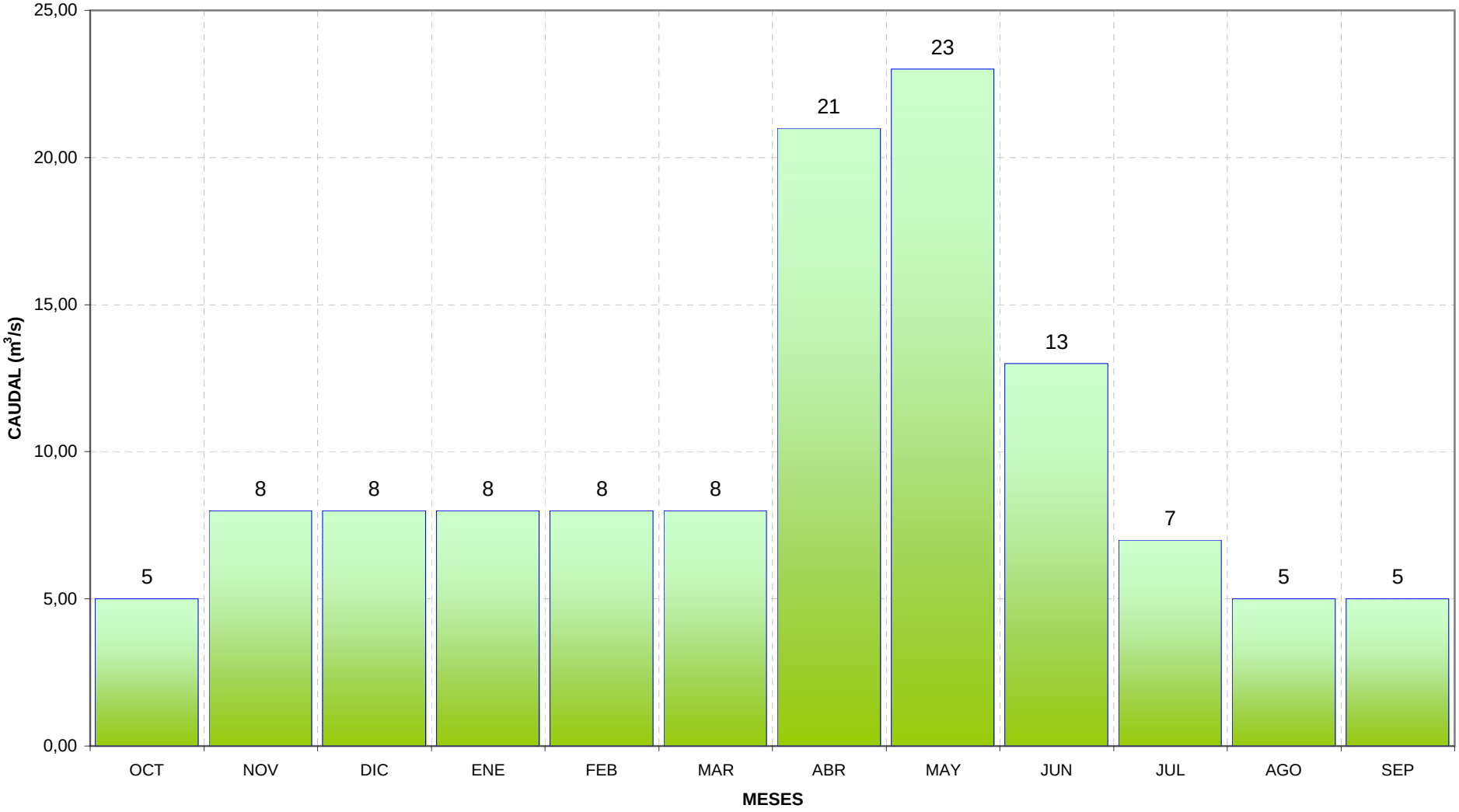


LEY DE CAUDALES ECOLÓGICOS ESTIMADOS EN EL RÍO ARAGÓN, AGUAS ABAJO DE LA PRESA DE YESA

FREC	CAUDALES Q30 EN M^3/S												
%	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
0	3,507	7,286	7,692	6,169	5,895	5,896	16,544	18,188	9,864	4,269	2,665	3,540	
1	3,656	7,358	7,755	6,241	6,000	6,001	17,523	18,517	10,848	4,574	2,721	3,915	
2	4,285	7,585	7,853	6,482	6,329	6,577	18,911	19,828	11,899	5,267	2,967	3,994	
3	4,772	7,759	7,915	6,796	6,602	7,087	20,365	20,806	12,487	5,941	3,044	4,096	
4	4,841	7,879	8,010	6,927	7,065	7,292	20,997	21,335	12,828	6,339	3,109	4,317	
5	4,908	7,975	8,300	7,109	7,192	7,613	21,074	22,969	13,058	6,587	3,422	4,523	
6	5,137	8,164	8,553	7,246	7,258	8,312	21,170	25,880	13,251	6,714	3,519	4,566	
7	5,662	8,562	8,756	7,300	7,331	8,943	21,794	28,728	13,404	6,763	3,679	4,661	
8	5,806	8,969	8,937	7,408	7,529	9,692	22,580	30,717	13,623	6,884	4,042	4,702	
9	5,866	12,493	9,253	7,511	7,843	10,203	23,042	31,742	13,882	6,999	4,326	4,747	
10	6,030	13,842	12,724	7,611	7,882	10,885	23,869	32,037	14,140	7,032	4,494	4,829	
LEY (m^3/s)	**5,000**	**8,000**	**8,000**	**8,000**	**8,000**	**8,000**	**21,000**	**23,000**	**13,000**	**7,000**	**5,000**	**5,000**	MEDIA = 9.917 m3/s
LEY (Hm^3)	**13,392**	**19,526**	**21,427**	**20,736**	**21,427**	**20,736**	**56,246**	**61,603**	**33,696**	**18,749**	**12,960**	**13,392**	TOTAL = 313.891 Hm3

DISTRIBUCIÓN MENSUAL DE LOS CAUDALES ECOLÓGICOS

RÍO ARAGÓN, AGUAS ABAJO DEL EMBALSE DE YESA



3.- CAUDALES ECOLÓGICOS AGUAS ARRIBA DEL EMBALSE DE YESA

3.1.- MÉTODO Y DATOS DE PARTIDA

Para el análisis de los caudales ecológicos en el río Aragón aguas arriba del Embalse de Yesa se cuenta con la estación foronómica EA-170, río Aragón en "Yesa C.E." : con sus datos registrados diariamente sobre caudales medios durante 15 años hidrológicos, comprendidos entre 1.980/81 y 1.994/95, y con el dato de su superficie de cuenca de aportación.

Los datos de caudales de esta estación de aforo se utilizarán posteriormente, para el estudio de compatibilidad entre los caudales ecológicos y otros usos, habiéndose empleado únicamente para este apartado como datos de partida su superficie de cuenca y los caudales recogidos en la Ley de Caudales Ecológicos a satisfacer por la Presa de Yesa, determinados en el apartado anterior, basados en las aportaciones del río Aragón al embalse de Yesa registradas diariamente en la presa.

Para la realización de este estudio de los CAUDALES ECOLÓGICOS AGUAS ARRIBA DEL EMBALSE DE YESA, se ha utilizado la metodología standar que relaciona las aportaciones, y por tanto los caudales medios, entre dos cuencas afines mediante la relación entre sus superficies elevada a un cierto exponente.

3.2.- APLICACIÓN DEL MÉTODO

La superficie de cuenca del río Aragón en la Presa de Yesa es de 2.180 Km^2 y de 1.471 Km^2 en la E.A.-170. Así, la relación entre superficie de cuenca del río Aragón aguas arriba del Embalse y en la Presa, elevada al exponente 0,65 (valor usual para esta zona), toma el valor 0,774 con el que multiplicando los valores de la Ley obtenida en el apartado anterior se obtiene la buscada.

3.3.- CAUDAL ECOLÓGICO ADOPTADO

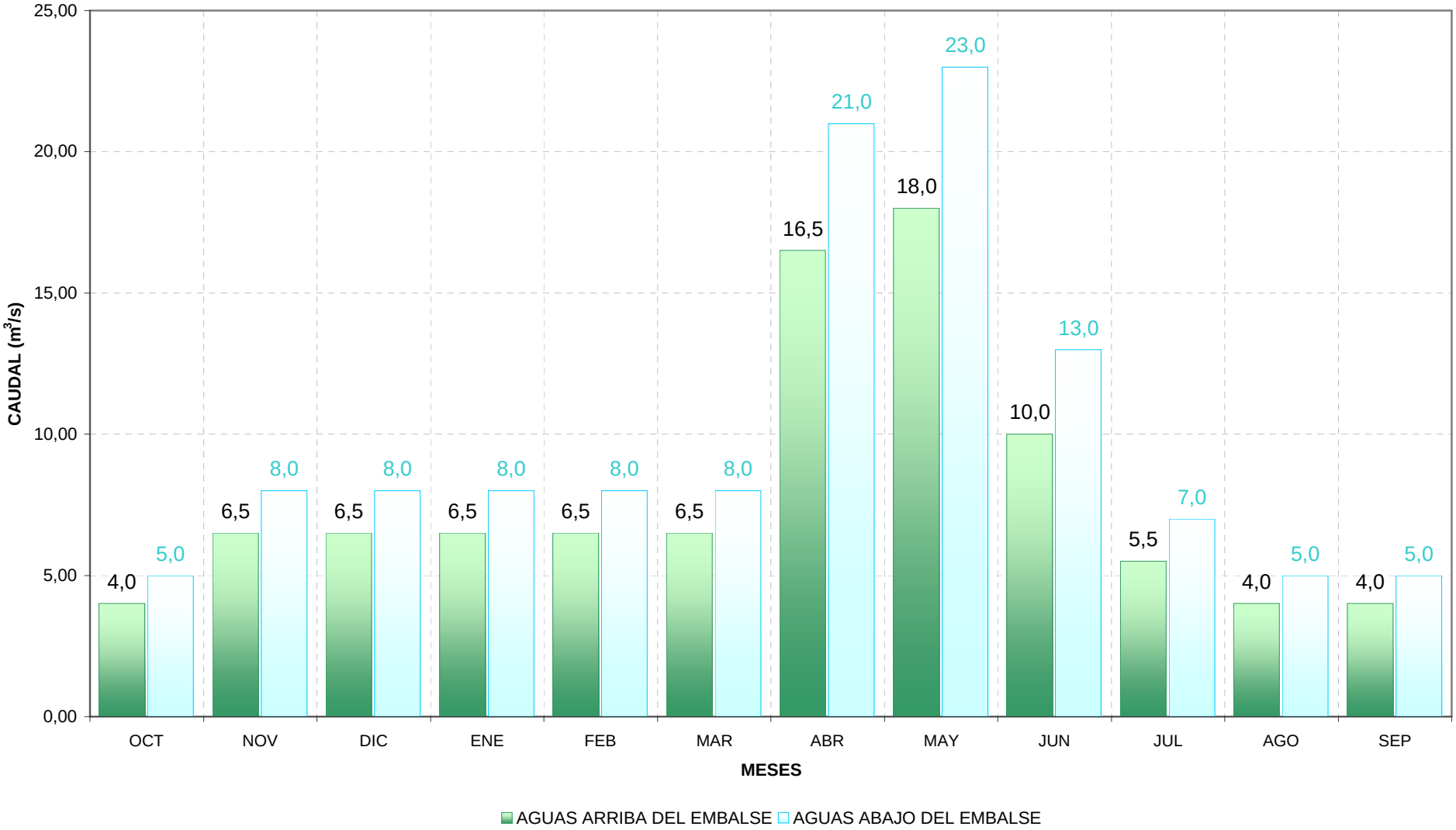
Los valores que se tienen tras la aplicación del método, redondeados y mayorados en general, nos dan la Ley de Caudales Ecológicos aguas arriba del Embalse de Yesa, en la E.A.-170, y que se recoge en las siguientes páginas en forma de Cuadro y de Gráfico, conjuntamente con la Ley obtenida anteriormente para el Aragón, aguas debajo de la Presa de Yesa.

LEY DE CAUDALES ECOLÓGICOS EN EL RÍO ARAGÓN, AGUAS ARRIBA Y ABAJO DEL EMBALSE DE YESA

	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
AGUAS ABAJO DE LA PRESA													
LEY (m^3/s)	**5,000**	**8,000**	**8,000**	**8,000**	**8,000**	**8,000**	**21,000**	**23,000**	**13,000**	**7,000**	**5,000**	**5,000**	MEDIA = 9.917 m3/s
LEY (Hm^3)	13,392	19,526	21,427	20,736	21,427	20,736	56,246	61,603	33,696	18,749	12,960	13,392	TOTAL = 313.891 Hm3
AGUAS ARRIBA DE LA PRESA													
LEY (m^3/s)	**4,000**	**6,500**	**6,500**	**6,500**	**6,500**	**6,500**	**16,500**	**18,000**	**10,000**	**5,500**	**4,000**	**4,000**	MEDIA = 7.875 m3/s
LEY (Hm^3)	10,714	15,865	17,410	16,848	17,410	16,848	44,194	48,211	25,920	14,731	10,368	10,714	TOTAL = 249.232 Hm3

DISTRIBUCIÓN MENSUAL DE LOS CAUDALES ECOLÓGICOS

EN EL RÍO ARAGÓN, AGUAS ARRIBA Y ABAJO DEL EMBALSE DE YESA



4.- ANÁLISIS DE AFOROS EN LA EA-170 "YESA C.E." Y LA LEY DE CAUDALES ECOLÓGICOS

Como se citó anteriormente, para el análisis de los caudales ecológicos en el río Aragón aguas arriba del Embalse de Yesa se cuenta con la estación foronómica EA-170, río Aragón en "Yesa C.E." : con sus datos registrados diariamente sobre caudales y aportaciones medios durante 15 años hidrológicos, comprendidos entre 1.980/81 y 1.994/95 (Apéndices 2.1 y 2.2).

Se ha realizado una comprobación día a día, durante estos quince años, entre el caudal aforado y el ecológico determinado anteriormente (el Apéndice 2.3 recoge estas diferencias día a día), resultando un total de 1.063 días en los que el caudal aforado fue inferior al determinado en la Ley de Caudales Ecológicos, lo que representa un total del 19,4 % de los dias del año, especialmente concentrados en los meses de Julio (37,4 %), Agosto (59,4 %) y Septiembre (47,6 %).

Un resumen de estos datos se acompaña en la Tabla de la página siguiente en la que se observa cómo el río Aragón, aguas arriba del Embalse de Yesa, ha presentado frecuentes valores de caudales medios diarios inferiores a los determinados como necesarios para no poner en peligro su ecología actual. Esta situación se agudiza en los meses de verano y también se aprecia cómo va aumentando conforme nos acercamos a fechas más actuales.

RESUMEN DE DÍAS CON DIFERENCIA DEFICITARIA ENTRE LOS CAUDALES DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS

AÑO HIDR	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	TOTAL
1.980 / 81	1	0	0	0	0	0	0	0	0	0	10	21	**32**
1.981 / 82	0	16	1	0	0	0	0	0	0	0	0	0	**17**
1.982 / 83	0	0	3	0	0	0	0	0	0	8	17	23	**51**
1.983 / 84	31	9	8	0	0	0	0	0	0	1	17	6	**72**
1.984 / 85	0	0	0	0	0	0	0	0	0	0	0	0	**0**
1.985 / 86	0	0	0	0	0	0	0	0	2	27	27	0	**56**
1.986 / 87	0	14	0	0	0	4	0	7	4	0	22	26	**77**
1.987 / 88	0	0	0	0	0	0	0	0	0	0	19	30	**49**
1.988 / 89	13	25	25	31	24	0	2	0	8	25	18	26	**197**
1.989 / 90	21	4	0	2	0	0	6	0	0	20	27	19	**99**
1.990 / 91	8	0	0	0	0	0	0	0	1	16	31	17	**73**
1.991 / 92	0	0	0	22	11	1	1	0	0	7	6	0	**48**
1.992 / 93	0	0	0	0	12	18	13	0	1	26	27	21	**118**
1.993 / 94	0	0	0	0	0	0	0	0	0	22	30	14	**66**
1.994 / 95	0	0	14	0	0	0	13	8	15	22	25	11	**108**
TOT	74,0	68,0	51,0	55,0	47,0	23,0	35,0	15,0	31,0	174,0	276,0	214,0	**1.063,0**
MED	4,9	4,5	3,4	3,7	3,1	1,5	2,3	1,0	2,1	11,6	18,4	14,3	**70,9**
MAX	31,0	25,0	25,0	31,0	24,0	18,0	13,0	8,0	15,0	27,0	31,0	30,0	**197,0**
MIN	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	**0,0**

5.- DEMANDAS PARA USOS HIDROELÉCTRICOS Y REGADÍOS

Tal y como se recoge entre los Antecedentes del Anteproyecto de Nuevas Zonas Regables en el Entorno del Embalse de Yesa, perteneciente al Plan de Restitución Territorial de la Presa de Yesa, el intento de transformación por parte de los habitantes de los municipios situados alrededor del Embalse de Yesa, y en toda la zona de La Canal de Berdún en general, de hectáreas de secano en regadío, tiene su origen hace varias décadas.

Existen, como se citan entre los citados Antecedentes, múltiples estudios y propuestas que, en ocasiones plantean simultaneamente un uso integral y un aprovechamiento hidroeléctrico de las aguas del río Aragón, aguas arriba del Embalse de Yesa.

Centrándonos en los regadíos, en primer lugar, dentro del P.R.T. el Anteproyecto de Nuevas Zonas Regables plantea las obras necesarias para un riego a corto plazo de 1.258 Has en Martes, Mianos, Artieda y Sigües, con dotaciones máximas de 0,43 l/s/Ha que supondrían caudales contínuos máximos en los meses pésimos de 541 l/s, y que se dividiría en tres sectores de riego.

El mismo Anteproyecto evalua una segunda fase de puesta en riego a más largo plazo de terrenos en La Canal de Berdún, con una superficie total de 3.900 Has que se dividirían en 6 sectores y que se localizarían en Jaca, Santa Cilia de Jaca, Puente La Reina, Berdún, Santa Cruz de la Serós y Bailo. Para esta fase, suponiendo la misma dotación, el caudal contínuo pésimo sería de 1.677 l/s.

Sumando ambas fases, el caudal contínuo pésimo total ascendería a la cantidad de 2.218 l/s.

Por otra parte, centrándonos en los aprovechamientos hidroeléctricos, las cifras de caudal que se barajan son infinitamente superiores. Como ejemplo, la Central Hidroeléctrica del Salto de La Canal, con dos tuberías forzadas capaces de turbinar conjuntamente 110 m^3/s durante un plazo de 9 horas.

6.- CONCLUSIONES SOBRE LA COMPATIBILIDAD DE LOS CAUDALES ECOLÓGICOS CON OTRAS DEMANDAS EN EL RÍO ARAGÓN

6.1.- AGUAS ARRIBA DEL EMBALSE DE YESA

En vista de la frecuente escasez de recursos hidráulicos que presenta el río Aragón para hacer frente a los caudales ecológicos que debería mantener, cualquier demanda adicional lo perjudicaría en este sentido, especialmente en las épocas de estiaje en las que esta escasez es más acusada.

Para examinar el efecto de estas posibles demandas derivadas aguas arriba del Embalse en los caudales ecológicos del río Aragón, se ha determinado el número de días que como media, cada mes del año, el caudal del río no alcanzaría al mínimo ecológico establecido en la Ley de Caudales Ecológicos aguas arriba del Embalse.

En el Cuadro y Gráfico adjuntos al final de este apartado, se aprecia cómo evolucionan estos días deficitarios en caudal frente a los caudales ecológicos, al quitar para atender otras demandas caudales de 0, 1, 2, 3, 4, 5, 10, 15, 20, 25, 50, 75 y 100 m^3/s.

Las conclusiones sobre la compatibilidad de los caudales ecológicos en el río Aragón, aguas arriba del Embalse, con otras demandas son:

- Cualquier demanda atendida empeorará el régimen de caudales ecológicos en el río Aragón, ya deficitario

- Pequeñas demandas lo empeorarán muy levemente y en años especialmente secos, por lo que el grado de compatibilidad de los regadíos anteproyectados a corto plazo (para 1.258 Has con 0,5 m3/s contínuos en meses pésimos) se podría considerar ADMISIBLE

- Demandas intermedias para regadío, como las consideradas a largo plazo en el Anteproyecto citado anteriormente (para 3.900 Has adicionales con otros 1,7 m^3/s contínuos en meses pésimos, que elevarían el valor total hasta los 2,2 m^3/s) empezarían a ser graves, aunque su compatibilidad aun se podría considerar ADMISIBLE

- Demandas hidroeléctricas del orden de los 55 o 110 m^3/s, como la del Salto de La Canal, tienen una compatibilidad INADMISIBLE al dejar tramos de río muy perjudicados incluso en años en que no lo serían si no se restaran dichos caudales para este fin

6.2.- AGUAS ABAJO DE LA PRESA

Aguas abajo de la Presa de Yesa, la compatibilidad de cualquier demanda con los caudales ecológicos determinados para el río Aragón depende de la explotación del Embalse.

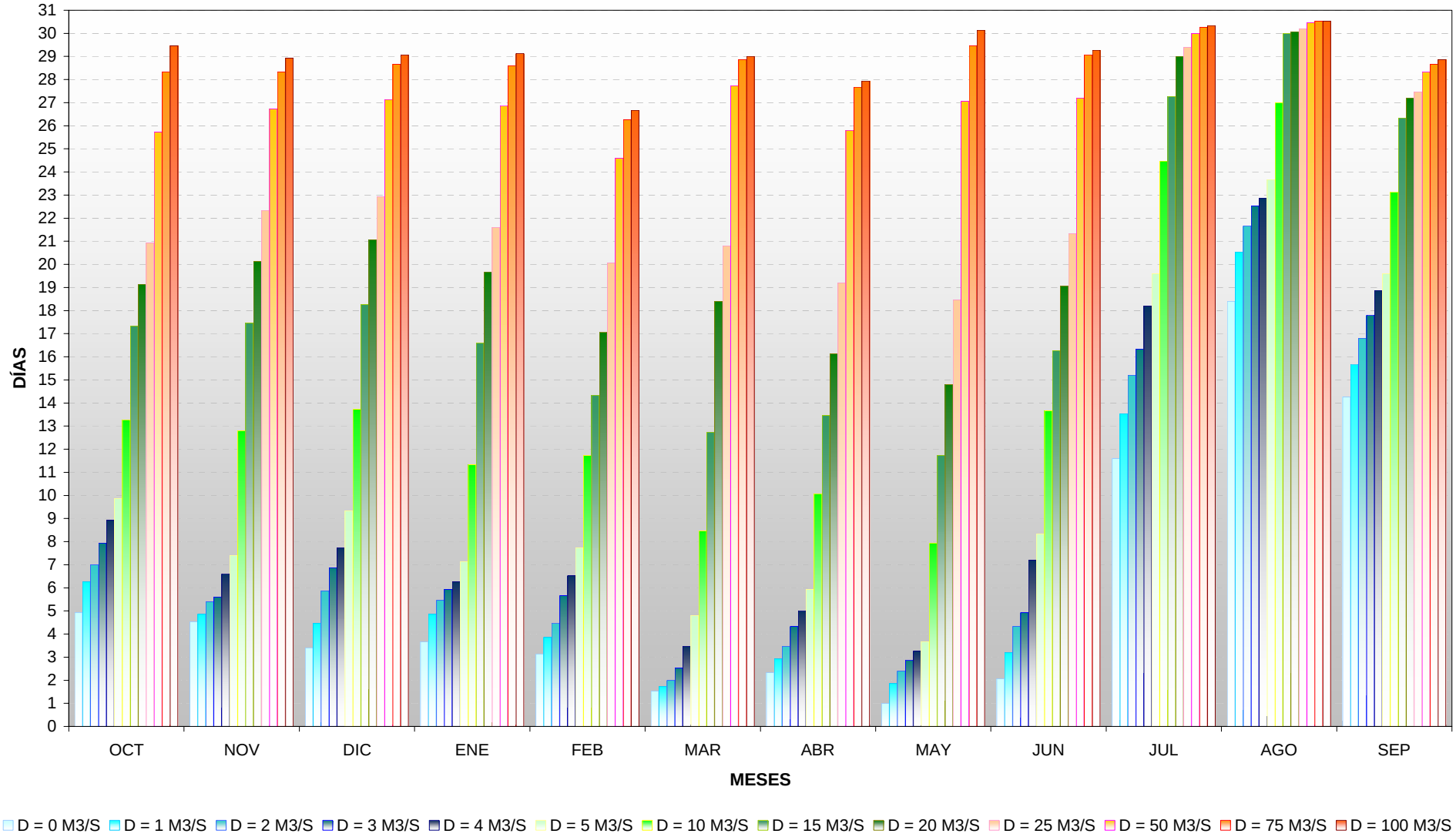
Así, siempre podrá ceñirse la explotación a unos planes en los que se establezcan prioridades de garantía y nivel de satisfacción de las distintas demandas atendidas por el mismo.

Según se elaboren dichos planes de explotación, y dado que el recrecimiento de la Presa de Yesa aumentará de forma considerable la regulación del río Aragón aguas abajo de la misma, las posibilidades de mantener el caudal ecológico pueden ser totales si se establece como prioritario este fin, y cualquier otra demanda tendría una compatibilidad TOTAL

DÍAS MENSUALES EN LOS QUE EL CAUDAL DEL RÍO ES INFERIOR AL ECOLÓGICO
EN FUNCIÓN DE DISTINTOS CONSUMOS (D EN M3/S) AGUAS ARRIBA DEL EMBALSE DE YESA

CONSUMOS	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP
0	4,9	4,5	3,4	3,7	3,1	1,5	2,3	1,0	2,1	11,6	18,4	14,3
1	6,3	4,9	4,5	4,9	3,9	1,7	2,9	1,9	3,2	13,5	20,5	15,7
2	7,0	5,4	5,9	5,5	4,5	2,0	3,5	2,4	4,3	15,2	21,7	16,8
3	7,9	5,6	6,9	5,9	5,7	2,5	4,3	2,9	4,9	16,3	22,5	17,8
4	8,9	6,6	7,7	6,3	6,5	3,5	5,0	3,3	7,2	18,2	22,9	18,9
5	9,9	7,4	9,3	7,1	7,7	4,8	5,9	3,7	8,3	19,6	23,7	19,6
10	13,3	12,8	13,7	11,3	11,7	8,5	10,1	7,9	13,7	24,5	27,0	23,1
15	17,3	17,5	18,3	16,6	14,3	12,7	13,5	11,7	16,3	27,3	30,0	26,3
20	19,1	20,1	21,1	19,7	17,1	18,4	16,1	14,8	19,1	29,0	30,1	27,2
25	20,9	22,3	22,9	21,6	20,1	20,8	19,2	18,5	21,3	29,4	30,2	27,5
50	25,7	26,7	27,1	26,9	24,6	27,7	25,8	27,1	27,2	30,0	30,5	28,3
75	28,3	28,3	28,7	28,6	26,3	28,9	27,7	29,5	29,1	30,3	30,5	28,7
100	29,5	28,9	29,1	29,1	26,7	29,0	27,9	30,1	29,3	30,3	30,5	28,9

DÍAS MENSUALES EN LOS QUE EL CAUDAL DEL RÍO ES INFERIOR AL ECOLÓGICO
EN FUNCIÓN DE DISTINTOS CONSUMOS (D) AGUAS ARRIBA DEL EMBALSE DE YESA



APÉNDICES

1. EMBALSE DE YESA

1.1. CAUDALES MEDIOS DIARIOS

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,986 / 1,987

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	8.044	7.234	15.718	34.363	39.248	71.586	39.688	36.319	20.428	13.900	12.222	5.926	
2	6.134	4.792	13.889	36.019	45.938	55.150	66.655	31.597	15.417	12.269	9.444	4.630	
3	10.347	6.042	12.512	31.447	104.352	57.662	179.132	31.863	18.252	12.095	9.780	4.421	
4	11.516	6.053	12.512	23.715	60.475	40.718	72.454	27.708	18.391	12.616	7.292	7.002	
5	14.699	6.053	12.315	21.019	44.514	34.340	58.935	24.572	17.581	10.822	8.600	4.329	
6	35.035	4.375	10.949	18.576	38.171	30.081	77.269	19.688	18.183	14.896	10.579	5.706	
7	21.470	4.942	12.338	22.535	42.905	32.338	386.007	20.162	18.356	15.556	7.025	4.086	
8	16.493	3.623	18.669	16.725	82.199	25.891	439.410	22.847	17.674	11.481	6.030	3.866	
9	12.060	3.750	25.347	16.736	67.697	31.493	348.657	25.035	16.273	11.586	9.167	2.083	
10	9.803	4.942	18.206	18.009	54.861	33.935	137.118	30.822	11.806	8.391	6.991	4.583	
11	6.262	3.738	13.947	12.569	45.162	34.028	93.634	25.544	13.819	7.049	8.461	3.148	
12	8.762	3.750	14.468	18.831	36.134	34.120	90.081	24.988	12.488	10.243	7.361	2.546	
13	8.773	4.988	22.141	25.127	40.845	23.009	77.697	24.236	13.310	11.366	5.880	3.889	
14	12.847	17.141	37.662	23.576	51.227	19.410	61.262	22.060	12.442	8.646	5.752	3.275	
15	12.847	260.301	27.905	20.451	50.718	17.454	58.472	18.727	25.486	12.639	5.694	2.222	
16	12.847	110.197	24.803	15.718	42.488	15.220	56.447	22.894	17.477	14.190	4.606	3.507	
17	14.097	60.000	26.308	15.729	32.674	17.141	59.213	20.648	14.699	37.037	4.722	1.632	
18	14.086	38.947	23.484	14.653	26.759	16.262	55.648	15.428	10.243	38.692	4.722	3.831	
19	12.847	28.414	20.660	14.271	24.803	17.569	53.229	16.759	14.028	22.199	3.750	3.102	
20	11.609	21.609	20.660	14.769	22.824	13.264	58.843	17.002	28.275	15.382	4.190	3.530	
21	9.769	20.266	17.801	16.181	16.794	16.215	50.127	16.343	17.488	15.498	3.738	2.500	
22	9.248	32.616	17.813	14.618	18.831	10.972	45.069	17.535	18.993	14.850	6.285	2.373	
23	12.118	50.729	15.613	18.125	18.935	11.134	50.139	25.255	16.424	69.132	8.056	3.889	
24	12.674	74.907	12.720	17.720	19.120	13.056	57.130	29.444	15.093	97.813	4.884	3.090	
25	10.185	58.912	12.488	18.715	42.870	14.641	57.477	23.194	13.056	43.715	7.072	2.894	
26	10.185	42.222	104.352	26.644	39.745	21.794	43.356	27.512	10.775	25.475	4.560	5.428	
27	12.269	38.113	106.447	68.819	48.877	18.495	43.218	19.109	11.736	21.887	3.854	4.838	
28	10.046	23.831	48.947	79.525	79.109	30.324	45.822	19.757	13.206	17.199	5.532	5.324	
29	8.808	20.648	35.405	109.236		33.484	45.278	15.729	8.125	13.646	6.007	5.532	
30	7.674	18.900	26.609	117.141		22.778	36.921	15.220	5.313	11.655	7.789	4.780	
31	9.086		23.576	53.241		32.824		19.387		14.630	4.167		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	12.021	32.735	26.008	30.800	44.224	27.303	98.146	22.819	15.495	20.856	6.588	3.932	**28.180**
MAX	35.035	260.301	106.447	117.141	104.352	71.586	439.410	36.319	28.275	97.813	12.222	7.002	**439.410**
MIN	6.134	3.623	10.949	12.569	16.794	10.972	36.921	15.220	5.313	7.049	3.738	1.632	**1.632**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,987 / 1,988

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	16.157	28.924	16.678	17.141	199.514	27.292	39.838	70.787	45.938	171.748	10.694	10.567	
2	15.810	20.625	16.678	11.678	129.653	29.479	45.729	61.678	45.938	58.854	8.808	13.762	
3	142.674	14.051	40.220	22.581	114.340	18.785	59.086	55.012	41.400	56.887	6.898	7.384	
4	88.646	14.132	158.993	22.581	100.405	22.512	92.292	54.954	46.296	52.836	13.634	9.294	
5	81.435	17.465	145.486	20.752	122.697	27.269	84.329	62.396	48.866	122.431	14.977	9.826	
6	92.581	14.259	67.164	20.764	337.743	18.183	78.623	68.565	33.333	62.280	17.639	6.447	
7	46.748	12.697	42.245	26.227	163.657	34.097	62.986	77.396	32.419	52.523	17.211	5.093	
8	31.215	12.789	33.287	37.176	213.275	55.324	65.405	77.905	35.475	43.102	14.931	6.829	
9	28.125	12.720	32.674	45.394	234.884	38.171	49.525	64.977	59.606	37.778	11.389	9.282	
10	349.375	12.546	30.868	37.836	140.359	29.873	57.836	55.579	71.146	35.394	8.380	8.715	
11	98.229	41.019	36.331	26.817	118.067	31.991	136.227	51.863	43.750	32.743	6.701	6.574	
12	67.627	23.241	41.817	23.148	113.646	24.190	211.250	60.451	46.111	31.227	4.896	5.440	
13	51.157	28.137	51.435	30.579	87.141	26.354	101.597	53.912	43.681	26.551	5.208	8.762	
14	40.000	42.882	64.711	39.954	72.697	34.120	92.049	69.711	142.188	26.701	7.940	6.192	
15	254.329	41.389	48.819	47.778	73.519	29.583	89.850	71.910	79.537	26.574	8.958	11.285	
16	213.113	37.338	43.299	92.940	67.222	44.444	175.938	52.674	265.556	24.120	11.042	5.856	
17	102.014	34.444	41.470	69.653	55.243	120.162	127.303	65.637	94.896	20.174	13.310	6.400	
18	57.338	29.572	39.479	56.331	49.826	121.609	95.775	71.065	95.046	16.366	11.806	14.421	
19	26.412	25.278	36.042	44.919	45.868	79.306	291.944	61.088	66.065	19.641	6.597	9.155	
20	57.998	21.400	30.336	43.125	48.079	65.637	176.458	52.465	52.095	22.025	3.194	8.623	
21	54.028	19.734	30.347	45.255	46.701	62.604	106.609	50.856	44.907	18.819	4.387	9.306	
22	42.025	19.734	22.928	177.338	44.282	48.530	113.565	48.970	52.697	21.400	9.873	7.708	
23	84.688	21.412	24.803	140.394	41.736	52.361	205.347	75.012	40.440	15.868	8.067	8.229	
24	53.935	19.734	17.454	97.859	41.863	36.782	98.472	60.023	48.414	29.734	8.218	6.470	
25	39.873	23.090	13.843	214.109	31.412	52.442	90.579	55.590	38.727	20.382	10.058	6.181	
26	36.875	21.424	15.741	110.532	31.458	44.919	88.113	53.576	33.692	21.539	11.863	4.815	
27	54.491	24.398	15.810	97.512	32.685	44.086	65.509	40.637	37.627	17.801	8.588	7.477	
28	76.065	19.051	13.553	121.574	22.037	39.039	56.308	43.067	45.544	20.301	7.037	4.734	
29	101.574	18.924	18.947	461.076	23.021	32.419	69.780	40.637	43.750	12.789	7.419	3.970	
30	35.567	9.942	15.313	227.037		50.683	55.914	43.287	177.002	14.398	1.088	3.970	
31	27.257		18.947	173.102		41.285		40.208		14.688	7.755		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	79.592	22.745	39.539	83.973	96.656	44.630	102.808	58.448	65.071	37.022	9.309	7.759	53.777
MAX	349.375	42.882	158.993	461.076	337.743	121.609	291.944	77.905	265.556	171.748	17.639	14.421	461.076
MIN	15.810	9.942	13.553	11.678	22.037	18.183	39.838	40.208	32.419	12.789	1.088	3.970	1.088

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,988 / 1,989

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	5.648	6.736	8.356	7.049	5.301	93.900	19.502	48.588	41.771	9.329	6.169	2.917	
2	4.167	5.625	7.303	6.100	5.116	66.968	20.671	52.431	36.227	7.616	6.273	4.282	
3	5.729	5.637	16.968	6.100	71.759	86.030	30.775	50.972	28.704	8.032	4.977	5.243	
4	5.590	5.648	13.750	4.225	5.683	77.361	42.813	52.049	19.201	6.782	5.394	5.278	
5	6.644	5.694	9.711	8.125	4.375	61.493	33.773	58.067	24.178	5.486	17.384	7.106	
6	4.514	5.706	13.669	8.843	2.697	61.794	31.794	60.972	20.833	10.289	6.424	2.083	
7	2.280	6.829	13.056	7.894	2.384	47.650	50.197	55.891	17.037	14.514	10.116	3.056	
8	3.657	7.951	13.056	7.905	6.632	42.650	91.933	60.660	21.296	10.880	4.792	2.813	
9	4.896	16.933	8.866	6.204	7.188	30.243	82.269	62.419	19.780	7.037	12.315	3.519	
10	6.505	19.190	5.822	6.111	1.609	26.111	93.819	52.049	21.042	9.132	21.227	4.618	
11	4.317	12.442	5.764	7.998	6.400	32.477	38.843	59.734	22.373	6.563	13.947	5.174	
12	6.875	10.185	10.000	6.123	6.505	32.986	101.065	57.002	19.097	7.824	9.583	5.116	
13	6.644	10.243	11.088	8.750	3.079	32.407	80.289	43.322	16.505	5.660	10.602	4.306	
14	3.993	8.576	7.106	5.694	2.975	37.905	63.102	42.720	21.285	6.933	56.030	4.572	
15	7.500	8.194	5.521	6.632	4.757	16.817	63.692	30.023	17.211	5.289	16.736	5.718	
16	10.799	3.993	5.926	5.289	5.475	14.583	95.764	36.123	19.120	4.525	12.894	5.856	
17	14.132	4.016	5.984	6.076	3.530	15.741	86.019	36.481	13.426	5.729	8.727	5.081	
18	40.382	4.653	6.053	5.405	3.507	18.044	112.801	38.472	12.766	5.463	7.257	3.715	
19	53.819	8.657	3.067	4.294	5.903	14.676	86.076	38.600	17.813	6.019	14.097	4.340	
20	33.102	5.660	14.306	7.222	5.405	12.940	84.248	42.998	15.532	3.310	6.921	5.394	
21	20.625	3.831	11.262	7.072	4.595	15.799	61.181	55.174	11.215	7.141	9.016	5.058	
22	15.961	5.498	9.282	5.104	5.012	23.866	52.616	38.310	15.243	9.028	5.347	8.241	
23	12.581	4.444	6.921	2.512	6.991	19.317	51.100	39.387	4.387	7.593	6.863	13.414	
24	9.155	3.912	8.102	9.711	10.336	15.891	45.509	39.120	13.426	6.806	7.118	10.822	
25	10.440	6.296	7.905	5.255	41.157	18.125	67.188	32.106	5.729	7.824	4.468	8.102	
26	8.356	7.338	9.502	5.359	31.667	19.722	70.509	34.595	12.153	6.979	5.266	6.238	
27	9.005	8.322	8.229	6.146	19.873	21.563	49.549	28.194	5.810	2.604	6.678	5.787	
28	6.713	5.081	7.164	4.375	26.701	27.037	62.917	37.546	12.870	4.398	4.317	7.697	
29	7.940	5.093	13.542	4.421		24.653	57.674	49.780	9.641	5.787	3.391	9.630	
30	10.150	6.204	10.532	5.787		23.831	48.669	60.150	5.417	6.181	5.150	6.991	
31	7.882		7.674	6.134		26.065		58.657		6.505	3.252		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	11.290	7.286	9.209	6.255	10.950	34.150	62.545	46.858	17.370	7.008	10.088	5.739	19.083
MAX	53.819	19.190	16.968	9.711	71.759	93.900	112.801	62.419	41.771	14.514	56.030	13.414	112.801
MIN	2.280	3.831	3.067	2.512	1.609	12.940	19.502	28.194	4.387	2.604	3.252	2.083	1.609

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,989 / 1,990

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	4.120	8.252	20.556	12.153	21.829	28.287	13.264	37.002	24.722	15.069	6.447	5.266	
2	2.188	7.396	16.100	10.775	19.387	22.940	9.826	34.282	23.981	11.458	16.111	8.079	
3	6.366	7.396	14.664	14.931	19.282	19.988	5.405	31.215	24.861	10.000	7.546	3.414	
4	5.961	8.252	12.998	12.164	19.711	15.208	8.067	35.370	22.986	10.035	6.609	5.648	
5	6.377	21.979	12.975	11.701	19.711	15.405	17.060	37.350	30.243	11.169	6.632	6.215	
6	4.109	27.303	14.132	8.877	17.627	13.935	46.528	35.405	31.215	11.088	5.278	3.970	
7	2.801	32.766	10.648	10.567	21.030	15.521	46.296	31.262	21.921	10.845	7.454	5.683	
8	2.245	43.854	11.817	13.449	20.046	11.053	30.324	32.049	19.363	10.637	6.759	6.609	
9	4.826	35.370	11.829	13.137	23.542	17.303	37.824	35.336	15.741	10.764	7.014	5.475	
10	6.713	26.505	10.648	12.153	18.947	13.866	23.183	36.319	17.014	11.019	8.310	3.484	
11	7.292	29.456	10.660	9.977	21.759	12.269	39.676	40.752	48.009	9.537	8.322	5.370	
12	5.220	40.972	14.155	20.174	160.845	12.292	53.542	32.384	29.722	10.046	6.493	6.053	
13	5.278	34.769	16.505	10.127	232.326	13.866	44.884	41.979	22.234	8.507	5.556	7.199	
14	2.986	26.169	25.914	9.375	97.905	13.889	34.456	41.042	30.799	9.942	7.338	20.718	
15	4.560	21.042	39.063	7.998	62.025	17.546	37.731	34.491	30.544	12.234	7.083	3.194	
16	4.097	18.137	55.475	9.676	54.375	14.456	33.275	36.586	24.884	8.993	5.822	15.775	
17	4.734	27.060	85.382	9.826	42.014	12.616	30.313	35.197	19.190	10.741	6.146	18.206	
18	4.734	21.563	95.845	9.826	36.331	10.926	32.014	34.688	24.398	10.637	5.775	14.306	
19	9.873	29.884	85.150	9.826	30.127	13.542	73.519	35.949	22.963	9.155	6.875	8.067	
20	9.884	94.722	51.273	9.826	25.127	14.745	58.345	47.060	37.373	8.310	3.322	7.627	
21	9.016	89.340	38.530	9.826	26.088	12.917	40.972	45.231	30.995	8.600	4.618	6.389	
22	4.734	52.361	46.829	9.745	30.162	11.840	33.032	83.576	28.900	7.801	5.868	5.498	
23	4.722	37.616	54.769	9.618	26.389	15.347	32.130	103.310	17.662	6.123	3.623	4.549	
24	6.690	31.250	30.255	8.657	29.248	13.981	40.000	171.181	17.130	9.664	4.919	4.919	
25	5.683	30.324	24.491	11.412	23.079	12.269	34.803	96.759	19.051	5.081	5.093	4.109	
26	5.683	25.984	28.484	12.789	20.127	9.213	33.819	54.144	19.942	6.713	4.722	6.042	
27	4.850	21.308	20.336	11.412	20.880	11.088	36.586	45.139	30.336	11.586	2.766	5.637	
28	13.368	22.419	17.627	41.875	26.412	10.972	35.035	35.150	21.574	10.255	4.074	5.336	
29	12.535	18.403	17.650	27.789		11.563	35.266	30.521	18.102	12.315	2.847	5.116	
30	10.822	22.604	15.324	20.498		9.595	37.002	30.556	15.324	11.343	10.336	6.354	
31	10.822		14.213	19.965		13.079		26.597		8.438	10.637		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	6.235	30.482	29.816	13.230	41.655	14.242	34.473	46.706	24.706	9.939	6.464	7.144	21.907
MAX	13.368	94.722	95.845	41.875	232.326	28.287	73.519	171.181	48.009	15.069	16.111	20.718	232.326
MIN	2.188	7.396	10.648	7.998	17.627	9.213	5.405	26.597	15.324	5.081	2.766	3.194	2.188

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,990 / 1,991

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	9.421	82.894	19.375	98.403	16.123	26.632	26.435	43.958	29.583	4.826	3.414	4.664	
2	13.160	46.157	16.424	63.252	9.734	22.535	25.625	44.039	30.521	7.442	3.785	30.868	
3	7.824	40.567	14.942	50.660	12.211	24.653	29.479	39.398	29.641	17.245	2.164	36.991	
4	7.546	34.792	17.049	43.484	10.255	30.995	27.014	32.407	25.220	8.866	3.935	16.412	
5	5.521	27.627	18.866	38.542	10.278	41.609	30.845	34.722	29.815	7.002	3.866	11.262	
6	5.625	20.336	15.903	34.225	7.928	92.963	28.021	36.956	42.303	10.567	2.558	7.639	
7	5.660	24.097	15.903	43.819	12.245	180.382	36.829	28.194	80.567	6.273	1.620	7.500	
8	7.384	87.153	15.903	44.063	15.278	114.201	44.745	32.419	57.836	4.167	1.505	5.567	
9	5.081	104.583	15.266	42.407	16.447	67.708	43.704	72.350	37.130	12.593	1.516	5.162	
10	5.197	121.713	22.894	63.912	33.692	51.748	40.741	122.975	42.373	5.544		4.560	
11	6.470	77.500	56.019	62.569	17.928	57.500	33.125	45.324	34.734	9.306	0.081	7.697	
12	7.940	52.049	94.919	80.995	19.919	52.396	30.984	46.644	21.956	5.833	3.889	6.250	
13	4.815	39.977	77.882	57.905	15.972	47.951	43.032	77.326	26.748	8.704	2.975	6.377	
14	4.259	31.806	39.421	44.213	15.972	49.479	33.530	63.785	29.572	7.373	2.581	5.336	
15	4.456	24.896	36.481	34.317	13.993	41.042	47.326	63.935	30.046	7.627	3.044	4.282	
16	6.146	22.141	30.278	30.359	15.995	47.789	88.461	55.972	24.167	5.359	3.299	4.410	
17	6.910	20.764	28.785	28.414	14.005	60.417	91.794	38.692	21.308	5.324	2.407	3.484	
18	10.949	17.951	27.269	27.975	18.032	37.627	58.773	38.310	17.720	38.600	2.025	2.500	
19	6.412	19.410	24.120	26.759	12.014	36.632	38.565	34.965	14.063	2.269	3.472	4.097	
20	5.995	16.586	22.558	26.782	18.056	45.486	34.155	32.164	13.507	1.389	3.472	2.257	
21	5.995	18.032	20.058	20.486	22.106	54.977	32.245	35.035	15.278	1.481	2.269	3.252	
22	71.806	15.185	23.194	21.875	19.248	57.650	29.525	46.366	20.185	7.512	2.512	2.627	
23	67.847	20.370	21.586	23.264	18.924	33.819	25.938	54.248	19.213	3.866	4.178	2.060	
24	54.074	19.954	18.345	21.887	23.796	30.648	31.725	57.477	15.162	2.118	4.965	3.090	
25	43.345	33.495	19.977	15.833	32.396	37.604	28.530	51.655	13.507	2.245	5.012	8.831	
26	38.854	24.005	21.736	15.868	32.523	31.007	55.324	41.100	12.847	2.569	3.229	26.007	
27	146.551	28.449	81.505	15.903	32.627	27.049	53.611	38.194	13.472	3.021		15.174	
28	142.500	27.083	70.706	11.088	32.743	26.979	62.083	44.792	12.824	3.310	2.442	16.528	
29	235.752	19.792	102.049	14.896		25.451	54.502	33.264	8.252	1.146	2.384	33.380	
30	102.315	16.157	110.625	16.910		28.171	41.262	36.829	7.373	13.345	1.343	42.083	
31	110.174		125.035	18.912		24.769		32.303		2.940	4.387		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	34.064	37.851	39.518	36.773	18.587	48.641	41.598	46.961	25.897	7.092	2.908	11.012	29.477
MAX	235.752	121.713	125.035	98.403	33.692	180.382	91.794	122.975	80.567	38.600	5.012	42.083	235.752
MIN	4.259	15.185	14.942	11.088	7.928	22.535	25.625	28.194	7.373	1.146	0.081	2.060	0.081

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,991 / 1,992

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	40.197	14.410	41.968	8.206	4.398	7.998	34.792	41.435	55.752	63.356	5.822	20.174	
2	26.157	14.410	42.153	8.206	5.706	7.998	87.558	50.648	58.970	41.644	5.521	16.609	
3	18.507	42.905	36.620	7.025	4.259	7.998	205.012	37.106	46.910	30.984	4.931	8.819	
4	13.009	149.525	29.074	7.072	4.259	6.262	138.576	32.049	36.968	20.150	3.067	6.609	
5	10.856	75.475	27.222	9.282	6.134	6.273	108.889	27.257	32.963	20.150	3.171	6.088	
6	9.907	54.850	21.493	7.361	7.998	5.891	75.266	23.275	25.023	26.076	3.762	6.215	
7	9.421	39.826	21.516	7.396	8.773	6.331	60.625	31.412	21.042	25.544	7.118	6.632	
8	8.102	31.690	23.461	7.419	4.988	5.706	62.546	29.641	23.102	16.875	88.287	10.995	
9	29.340	33.252	18.461	11.933	3.773	6.273	66.921	31.308	28.391	19.259	268.704	8.623	
10	119.317	22.083	18.854	11.447	3.727	7.998	55.521	33.472	41.516	13.796	58.588	10.197	
11	115.949	20.741	16.933	8.900	5.891	7.998	55.903	33.484	30.810	14.178	30.266	8.611	
12	42.488	19.352	14.988	10.313	7.940	7.998	49.838	30.220	29.421	12.269	20.660	7.049	
13	34.421	78.264	16.933	10.012	18.229	6.551	50.313	34.711	25.914	17.639	17.720	7.037	
14	32.211	85.926	13.056	7.269	18.981	6.678	62.315	35.556	23.461	10.810	11.725	5.579	
15	29.954	232.882	13.056	5.602	12.870	10.938	60.590	30.104	22.963	11.331	9.699	4.398	
16	23.819	185.949	13.056	6.725	11.134	4.595	52.789	30.197	59.167	11.493	10.174	5.382	
17	18.252	100.324	13.056	9.294	12.338	5.544	33.333	27.766	32.870	12.025	9.954	3.252	
18	17.789	118.125	13.056	7.569	11.597	7.407	95.417	22.072	24.525	7.743	10.891	4.861	
19	15.359	100.081	13.056	4.884	6.748	6.539	75.255	29.896	24.606	7.928	12.488	3.368	
20	12.905	98.380	15.683	4.225	6.181	6.678	75.995	26.204	19.606	7.303	13.380	4.514	
21	11.910	67.245	25.150	7.998	7.373	6.377	67.731	21.782	9.850	7.257	7.060	2.488	
22	11.701	49.317	28.009	7.998	6.829	9.063	72.847	34.306	19.063	7.627	5.729	2.720	
23	11.713	40.752	22.269	7.998	8.426	11.829	77.419	43.924	29.398	5.660	4.051	2.731	
24	7.998	35.035	19.502	6.123	3.611	14.896	81.863	48.935	49.213	3.565	2.720	4.236	
25	11.713	40.637	19.387	6.123	6.713	10.544	79.306	29.155	32.569	4.595	4.155	4.306	
26	14.201	50.000	11.551	6.111	9.734	19.248	71.551	26.875	22.523	7.535	7.523	4.792	
27	30.417	42.917	10.891	7.998	7.998	17.384	66.563	23.773	21.852	7.894	4.016	43.947	
28	28.067	39.086	13.009	7.998	7.998	15.764	59.259	28.067	19.097	8.194	3.380	64.641	
29	25.648	28.646	13.877	7.998	7.998	16.308	45.208	33.866	25.949	9.005	10.845	31.435	
30	19.398	39.942	12.095	7.998		30.023	32.234	28.634	41.458	5.718	7.211	21.262	
31	17.222		10.139	5.012		33.264		28.866		8.345	18.623		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	26.386	65.068	19.664	7.726	8.021	10.463	72.048	31.806	31.165	15.031	21.653	11.252	**26.593**
MAX	119.317	232.882	42.153	11.933	18.981	33.264	205.012	50.648	59.167	63.356	268.704	64.641	**268.704**
MIN	7.998	14.410	10.139	4.225	3.611	4.595	32.234	21.782	9.850	3.565	2.720	2.488	**2.488**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,992 / 1,993

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	19.803	105.984	20.231	21.181	7.373	2.431	11.597	50.417	37.685	15.231	7.176	3.472	
2	16.875	80.243	27.269	21.204	11.574	3.600	13.148	45.046	34.167	12.083	4.595	6.343	
3	22.755	72.859	51.516	19.155	9.537	3.611	9.074	52.384	29.896	13.125	4.479	4.016	
4	133.229	65.984	216.308	17.558	10.405	5.336	20.683	46.285	28.345	13.495	8.206	3.900	
5	411.262	55.567	196.713	19.641	9.225	6.366	16.481	46.725	23.623	7.361	6.539	3.611	
6	203.148	42.257	157.431	19.641	9.097	4.618	16.400	43.981	27.106	17.477	6.377	2.454	
7	88.600	39.387	306.238	18.900	7.014	4.653	27.234	46.296	22.442	13.819	5.266	4.410	
8	57.824	33.079	450.486	20.949	9.097	5.266	23.507	40.336	23.252	10.197	3.993	2.674	
9	86.875	26.481	209.144	18.889	8.287	6.181	20.718	32.616	24.444	6.690	3.322	1.262	
10	102.604	24.398	139.317	16.829	8.264	6.505	15.428	52.616	35.370	7.211	3.681	5.150	
11	61.655	24.676	90.313	16.817	8.275	4.363	13.542	39.132	45.046	9.502	4.167	2.130	
12	45.382	28.438	99.387	18.912	7.778	4.444	8.472	48.056	28.090	13.495	3.808	2.407	
13	36.007	26.331	110.197	21.146	7.731	6.539	15.961	44.931	24.271	9.873	5.602	2.836	
14	29.606	36.863	78.866	25.324	7.743	6.181	19.769	41.377	21.551	7.581	5.613	2.870	
15	29.120	53.831	74.711	23.275	7.731	6.377	21.956	37.870	20.104	13.692	11.539	5.336	
16	89.225	71.516	72.650	19.097	5.671	7.998	23.252	31.771	21.632	8.877	5.868	5.706	
17	174.803	166.458	64.178	19.109	7.755	7.500	21.146	31.319	17.014	4.699	4.583	5.359	
18	71.620	127.280	59.919	16.181	8.877	7.512	21.250	57.257	17.708	7.176	3.553	3.889	
19	68.449	128.472	51.400	16.169	8.102	10.926	29.120	84.294	16.343	5.243	3.785	5.313	
20	65.104	152.720	49.271	16.181	8.125	11.053	28.796	77.488	24.711	11.007	2.049	4.525	
21	59.630	64.387	45.023	14.086	7.025	12.963	26.192	58.403	35.914	7.755	4.942	9.097	
22	181.609	53.044	38.692	14.074	6.863	18.322	29.410	49.711	55.625	5.058	0.984	169.595	
23	77.731	42.535	45.093	14.086	4.803	15.718	40.394	39.699	32.975	7.049	3.796	88.472	
24	135.162	33.935	42.986	16.181	4.826	45.301	101.817	50.266	25.486	7.419	6.273	142.523	
25	93.519	32.095	45.127	16.192	5.579	21.713	85.255	70.891	21.331	6.921	5.521	80.116	
26	71.111	32.211	38.854	11.979	5.648	21.366	92.951	167.593	17.049	5.718	21.759	44.155	
27	67.141	27.118	36.817	15.081	6.887	12.998	68.472	111.574	16.204	5.405	17.326	33.229	
28	107.188	24.769	34.225	13.773	4.757	9.155	63.218	81.343	11.308	5.648	12.373	26.377	
29	377.581	23.310	33.287	11.713		10.475	61.875	52.199	13.796	9.468	7.280	20.394	
30	317.801	20.613	29.294	11.667		10.914	52.813	47.743	21.227	9.896	6.597	28.426	
31	161.296		24.664	9.479		10.683		40.324		8.796	5.799		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	111.733	57.228	94.826	17.241	7.645	10.034	33.331	55.482	25.791	9.257	6.350	24.002	38.020
MAX	411.262	166.458	450.486	25.324	11.574	45.301	101.817	167.593	55.625	17.477	21.759	169.595	450.486
MIN	16.875	20.613	20.231	9.479	4.757	2.431	8.472	31.319	11.308	4.699	0.984	1.262	0.984

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,993 / 1,994

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	46.111	33.449	22.292	136.794	32.697	52.963	38.299	73.194	54.630	12.581	6.400	3.171	
2	72.604	40.914	40.833	94.456	35.058	42.269	39.387	73.843	71.319	15.324	6.794	5.602	
3	109.294	108.056	39.375	111.088	97.685	52.998	34.572	-73.808	47.280	14.907	7.014	5.127	
4	93.530	58.785	27.940	113.704	95.880	70.104	47.569	90.972	30.243	11.655	7.245	5.394	
5	68.137	44.039	21.285	79.676	64.491	74.352	51.574	67.188	45.884	8.542	6.157	3.646	
6	69.039	65.428	22.546	314.977	47.778	66.331	48.530	49.468	29.549	9.676	6.632	2.049	
7	80.637	79.722	21.655	141.748	41.400	57.662	117.813	72.176	26.273	16.736	7.338	4.236	
8	71.829	43.252	21.632	104.248	42.708	51.678	73.947	86.058	12.569	9.676	6.991	2.477	
9	58.981	41.505	29.051	124.572	40.266	50.822	54.120	50.093	25.995	4.745	10.382	3.750	
10	70.567	33.218	28.831	204.861	62.407	53.021	56.447	37.940	22.600	14.850	6.701	3.750	
11	189.942	28.067	24.688	137.905	86.146	49.421	52.106	40.972	19.295	8.264	3.368	2.766	
12	176.725	32.928	18.206	154.236	57.813	45.162	58.079	44.190	17.118	15.579	6.528	3.576	
13	142.581	24.757	15.382	111.088	62.593	39.398	53.079	38.368	20.100	7.400	1.944	2.847	
14	100.243	20.023	17.569	78.322	44.433	38.102	39.572	67.072	16.516	8.252	5.116	3.183	
15	69.711	20.035	15.475	74.225	38.472	39.294	36.088	45.926	15.451	7.627	3.472	3.403	
16	59.016	20.081	13.391	57.234	34.375	38.264	30.035	71.053	19.086	7.303	3.727	8.067	
17	64.444	18.079	15.475	59.387	-34.375	40.278	24.583	64.664	23.542	5.729	5.394	9.884	
18	54.190	18.102	13.403	44.433	38.426	35.845	29.109	46.759	21.921	7.917	5.833	5.058	
19	44.560	16.910	13.391	38.623	34.734	31.354	32.940	41.400	17.593	8.403	4.965	3.611	
20	41.493	14.144	13.403	39.711	48.484	33.032	37.905	45.914	20.127	9.722	4.745	3.530	
21	33.275	16.100	17.569	33.299	41.921	37.500	37.905	138.576	18.113	9.063	6.200	7.060	
22	33.414	10.023	15.417	33.299	37.685	33.032	56.250	161.181	20.412	7.141	4.178	6.354	
23	28.426	12.060	11.169	26.887	46.331	29.942	82.789	133.264	15.995	6.347	2.975	78.762	
24	25.093	14.086	32.338	29.988	53.113	35.069	73.611	113.646	14.583	5.532	2.824	58.495	
25	25.162	14.097	339.884	40.509	52.350	37.292	50.938	85.150	12.685	5.417	2.083	27.650	
26	26.933	10.035	145.313	51.979	62.975	43.275	45.486	75.463	20.891	6.690	3.310	15.266	
27	32.222	12.060	86.968	43.252	65.845	37.917	64.028	54.294	19.711	7.523	3.762	12.546	
28	95.509	10.035	80.324	53.461	61.505	34.664	77.419	43.727	13.819	7.442	4.086	11.655	
29	66.632	7.998	70.058	48.623		33.194	75.301	48.310	14.907	9.352	2.350	12.188	
30	49.282	16.169	130.544	42.951		32.801	80.243	56.377	13.900	8.090	18.368	11.227	
31	36.921		136.042	34.398		29.363		55.984		10.127	8.275		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	68.920	29.472	48.434	85.804	49.757	43.432	53.324	64.497	24.070	9.278	5.650	10.878	41.184
MAX	189.942	108.056	339.884	314.977	97.685	74.352	117.813	161.181	71.319	16.736	18.368	78.762	339.884
MIN	25.093	7.998	11.169	26.887	-34.375	29.363	24.583	-73.808	12.569	4.745	1.944	2.049	-73.808

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,994 / 1,995

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	16.574	22.361	13.507	183.495	42.604	51.898	22.813	32.384	27.824	17.384	9.838	1.250	
2	15.150	21.215	19.051	86.470	39.942	48.009	28.519	34.491	20.289	13.796	7.685	2.431	
3	17.025	55.336	9.838	57.512	31.829	51.319	31.296	38.715	18.565	11.331	10.787	3.692	
4	13.623	507.546	9.838	40.683	25.845	143.507	31.516	34.294	20.498	11.331	8.414	3.634	
5	11.898	196.829	11.690	42.546	29.769	109.977	40.567	32.211	20.764	13.090	4.549	3.056	
6	9.225	83.947	9.850	106.319	29.803	155.764	34.271	30.718	18.125	10.938	7.743	3.148	
7	10.127	77.708	16.065	56.852	28.113	107.789	32.269	29.572	16.400	11.875	7.593	2.384	
8	7.431	67.998	10.243	50.301	30.486	92.813	34.514	27.639	25.150	10.324	6.377	3.681	
9	8.287	89.329	12.257	96.076	30.764	68.021	34.514	27.037	12.616	8.796	6.852	3.264	
10	9.213	116.678	8.519	56.528	28.762	60.590	34.074	32.153	14.780	11.829	8.704	4.618	
11	8.380	104.468	8.241	124.005	22.303	161.215	33.090	25.984	16.806	6.898	6.875	5.683	
12	9.317	108.218	7.998	120.567	22.882	110.382	31.435	31.447	8.912	11.493	6.354	3.877	
13	11.215	98.356	9.838	82.060	37.072	89.514	27.025	37.639	16.493	7.083	5.810	5.069	
14	11.331	66.887	9.838	65.313	98.148	68.021	29.375	25.914	12.951	15.266	2.535	6.088	
15	11.273	51.759	10.949	43.380	94.699	52.095	22.743	37.731	14.340	7.917	1.771	2.986	
16	33.785	39.745	10.000	37.350	92.708	47.581	24.676	115.822	14.491	6.794	6.319	3.495	
17	26.806	38.183	9.838	33.692	72.731	39.838	35.498	106.725	12.488	9.907	3.380	4.688	
18	17.928	22.269	7.998	90.394	82.917	39.410	18.981	77.257	12.361	10.972	3.611	27.211	
19	51.007	20.949	7.998	64.907	55.613	37.546	23.218	59.144	10.266	9.560	4.097	18.079	
20	56.701	25.532	17.222	51.933	42.025	38.264	22.824	44.248	12.674	7.072	4.387	19.769	
21	32.789	29.595	97.407	41.111	44.722	37.014	20.509	34.236	20.532	6.632	3.333	20.069	
22	61.424	26.065	79.907	36.782	40.336	32.512	18.889	32.141	16.910	6.771	2.766	11.470	
23	83.009	22.512	32.211	38.958	33.785	37.188	14.688	28.461	17.222	11.053	3.171	9.086	
24	39.734	17.083	22.720	72.407	71.736	35.382	27.720	32.118	11.632	10.266	3.912	6.157	
25	29.734	18.924	16.979	96.667	110.289	31.146	25.278	27.836	10.150	8.704	3.206	7.523	
26	23.646	17.118	16.968	81.991	118.148	34.780	17.905	29.259	11.863	5.359	3.380	4.387	
27	105.093	15.313	15.058	66.157	86.169	29.931	18.611	25.069	14.120	8.611	3.160	5.463	
28	188.600	15.324	15.058	53.229	54.618	25.741	29.282	27.106	9.074	7.083	3.692	4.757	
29	58.669	15.324	15.058	49.132		36.782	30.891	25.174	15.266	7.442	2.650	4.387	
30	36.331	15.347	80.660	65.174		32.211	28.206	24.884	15.764	7.558	3.461	4.618	
31	21.829		229.074	55.509		25.208		26.991		6.748	3.009		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	33.457	66.931	27.157	69.274	53.529	62.305	27.507	38.529	15.644	9.674	5.143	6.867	34.572
MAX	188.600	507.546	229.074	183.495	118.148	161.215	40.567	115.822	27.824	17.384	10.787	27.211	507.546
MIN	7.431	15.313	7.998	33.692	22.303	25.208	14.688	24.884	8.912	5.359	1.771	1.250	1.250

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,995 / 1,996

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	5.544	3.773	14.907	113.472	55.266	37.674	63.391	36.609	54.583	16.979	10.903	8.160	
2	3.299	3.623	14.931	113.657	50.509	37.836	56.111	31.505	47.477	17.188	10.208	8.646	
3	4.988	3.843	152.106	74.294	50.590	31.053	44.711	30.856	25.799	9.826	14.838	9.155	
4	4.109	2.326	90.718	59.201	43.796	28.819	30.660	25.729	26.505	17.789	16.644	9.190	
5	12.153	2.894	56.817	93.843	50.602	28.900	26.817	25.741	30.000	18.067	13.819	8.194	
6	11.111	2.894	31.539	119.861	168.715	27.975	28.981	30.544	32.766	18.310	13.530	7.164	
7	8.866	2.894	24.340	113.762	192.164	31.389	27.095	144.375	34.271	20.741	19.352	7.338	
8	7.662	2.384	30.949	79.502	167.674	25.451	27.905	100.162	31.019	33.264	15.046	3.692	
9	7.465	2.940	36.655	207.801	80.648	27.755	32.002	59.525	26.597	22.002	12.118	8.935	
10	3.542	3.495	25.972	164.063	77.014	29.630	32.188	52.986	34.560	20.972	8.484	5.822	
11	5.972	47.326	21.458	119.873	76.447	38.750	34.734	60.162	41.701	21.586	8.646	6.493	
12	7.188	156.921	18.299	98.681	90.984	31.933	35.382	59.155	34.734	18.727	5.961	5.648	
13	4.792	44.329	18.750	79.699	132.280	30.995	40.856	45.961	31.528	13.079	6.354	7.604	
14	3.993	26.644	11.354	70.787	98.032	33.368	40.949	35.463	30.567	19.306	4.641	4.850	
15	4.595	21.701	15.810	54.734	62.060	30.995	46.204	37.546	28.403	16.863	8.912	7.604	
16	4.606	80.255	126.539	44.421	57.188	30.995	43.368	43.970	26.192	17.060	5.440	4.850	
17	4.016	42.662	49.757	39.618	48.264	23.970	66.910	50.706	23.079	16.632	6.250	8.310	
18	0.463	30.486	32.350	35.116	50.509	21.539	47.535	112.014	164.000	13.958	5.046	5.104	
19	0.208	21.910	24.132	32.870	59.502	27.350	42.396	113.900	34.155	13.356	7.095	26.227	
20	1.782	15.660	21.771	32.870	48.137	30.741	38.102	79.120	31.956	9.340	8.889	42.199	
21	4.132	15.729	18.148	32.870	45.602	33.160	40.289	54.896	45.347	0.914	17.465	57.928	
22	4.132	51.053	27.569	198.171	36.597	46.632	57.905	39.109	39.873	15.104	10.289	51.991	
23	2.975	68.194	79.491	270.903	33.576	64.306	80.093	40.961	24.907	13.368	14.201	37.801	
24	4.132	34.884	265.810	192.384	33.889	76.470	45.810	49.861	23.831	13.113	6.343	25.521	
25	3.866	29.086	517.153	115.822	34.352	100.382	34.583	52.662	17.338	13.738	8.137	18.044	
26	3.600	30.324	382.245	77.292	45.602	81.389	31.609	50.370	15.394	20.903	4.618	16.968	
27	3.588	21.505	175.046	59.537	35.463	73.785	31.840	45.683	26.204	33.981	38.484	14.942	
28	3.438	17.951	103.600	61.840	39.433	71.759	31.875	49.711	14.132	32.118	17.986	10.671	
29	5.764	15.266	85.949	55.174	34.861	46.285	30.104	43.854	15.868	14.132	10.000	10.093	
30	3.113	11.921	146.887	57.442		41.852	33.553	45.093	16.678	15.926	8.519	12.373	
31	3.773		131.898	52.986		44.201		45.926		12.546	9.282		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	4.802	27.162	88.805	94.276	68.957	41.527	40.799	54.650	34.315	17.448	11.210	15.051	**41.568**
MAX	12.153	156.921	517.153	270.903	192.164	100.382	80.093	144.375	164.000	33.981	38.484	57.928	**517.153**
MIN	0.208	2.326	11.354	32.870	33.576	21.539	26.817	25.729	14.132	0.914	4.618	3.692	**0.208**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN EL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,996 / 1,997

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	18.866	5.995	219.236	41.690	53.542	27.176	22.400	28.000	69.600	22.600	20.500	30.900	
2	22.106	6.991	131.806	39.653	47.188	27.095	24.400	28.100	56.200	181.400	17.800	34.500	
3	34.259	4.005	74.711	58.588	48.889	27.593	17.900	25.100	49.300	108.100	15.500	18.500	
4	21.412	5.995	90.613	53.160	41.887	27.731	22.400	27.300	83.200	54.000	32.300	19.400	
5	15.093	7.998	578.171	51.111	37.685	27.801	21.500	41.000	135.200	44.500	13.300	18.600	
6	13.032	8.993	212.940	40.903	37.338	27.859	19.600	61.100	67.345	28.800	16.700	13.400	
7	15.150	7.002	108.750	41.273	30.926	32.581	19.200	46.500	43.977	32.600	21.300	10.100	
8	14.201	6.400	86.771	51.910	30.949	23.310	20.600	38.100	39.000	31.000	17.200	19.900	
9	12.222	7.373	72.940	80.174	26.678	28.032	21.500	33.200	29.400	37.200	15.650	16.700	
10	14.120	6.551	58.819	99.213	28.831	28.102	19.400	36.400	23.900	39.900	20.100	15.800	
11	8.900	33.762	57.303	98.171	28.970	23.438	21.000	40.100	23.700	29.700	22.600	17.800	
12	8.808	69.595	109.757	121.748	28.993	30.648	17.600	39.800	25.400	28.300	19.900	11.700	
13	7.824	39.942	217.454	101.204	39.792	25.486	20.000	49.000	19.400	27.100	23.100	15.800	
14	13.715	23.600	194.780	88.704	35.532	26.354	16.800	50.400	16.900	16.200	13.800	10.700	
15	25.775	19.514	100.359	75.961	70.428	22.778	22.200	45.200	55.000	22.200	19.300	19.210	
16	30.521	13.241	83.576	80.394	47.153	22.720	24.600	44.100	51.100	104.700	13.700	6.100	
17	23.831	12.211	66.875	160.718	34.271	22.847	20.400	142.200	24.400	112.300	80.400	15.600	
18	19.861	28.079	154.259	110.278	29.954	22.859	26.508	80.800	21.000	68.500	26.900	8.100	
19	11.435	29.317	166.157	92.106	27.824	26.736	23.865	53.700	14.400	47.200	21.900	6.800	
20	15.116	52.257	111.713	162.604	27.882	25.394	26.500	44.400	17.400	33.800	55.300	12.300	
21	15.127	54.132	154.583	205.394	29.120	23.542	24.200	37.200	12.600	31.500	29.400	11.300	
22	11.470	121.065	186.933	152.037	29.039	21.690	17.600	29.700	12.100	32.800	25.400	11.500	
23	6.979	205.903	137.616	183.819	31.343	19.549	17.900	28.700	10.400	37.100	16.200	12.300	
24	9.074	83.970	115.475	118.692	29.792	21.273	13.400	29.900	10.700	40.900	15.800	12.800	
25	10.914	141.667	95.625	106.933	31.863	24.757	13.600	28.210	5.800	20.400	16.600	18.300	
26	4.375	196.296	85.035	79.329	35.660	17.627	13.600	28.700	8.800	22.700	13.900	9.400	
27	6.991	178.727	67.824	67.049	31.215	16.991	20.100	28.200	9.500	22.000	16.034	11.200	
28	6.991	116.169	59.931	61.690	27.153	22.905	47.700	23.200	28.700	14.100	23.700	9.900	
29	4.988	79.433	51.782	54.352		20.139	48.200	20.800	32.600	29.200	22.100	13.700	
30	7.998	210.185	45.417	51.134		17.870	30.500	28.000	26.400	17.000	18.800	15.200	
31	7.998		41.701	49.271		21.655		50.100		19.300	12.300		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	14.166	59.212	127.062	89.654	35.711	24.340	22.506	41.523	34.114	43.777	22.499	14.917	**44.318**
MAX	34.259	210.185	578.171	205.394	70.428	32.581	48.200	142.200	135.200	181.400	80.400	34.500	**578.171**
MIN	4.375	4.005	41.701	39.653	26.678	16.991	13.400	20.800	5.800	14.100	12.300	6.100	**4.005**

1.2. APORTACIONES MEDIAS DIARIAS

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,986 / 1,987

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.695	0.625	1.358	2.969	3.391	6.185	3.429	3.138	1.765	1.201	1.056	0.512	
2	0.530	0.414	1.200	3.112	3.969	4.765	5.759	2.730	1.332	1.060	0.816	0.400	
3	0.894	0.522	1.081	2.717	9.016	4.982	15.477	2.753	1.577	1.045	0.845	0.382	
4	0.995	0.523	1.081	2.049	5.225	3.518	6.260	2.394	1.589	1.090	0.630	0.605	
5	1.270	0.523	1.064	1.816	3.846	2.967	5.092	2.123	1.519	0.935	0.743	0.374	
6	3.027	0.378	0.946	1.605	3.298	2.599	6.676	1.701	1.571	1.287	0.914	0.493	
7	1.855	0.427	1.066	1.947	3.707	2.794	33.351	1.742	1.586	1.344	0.607	0.353	
8	1.425	0.313	1.613	1.445	7.102	2.237	37.965	1.974	1.527	0.992	0.521	0.334	
9	1.042	0.324	2.190	1.446	5.849	2.721	30.124	2.163	1.406	1.001	0.792	0.180	
10	0.847	0.427	1.573	1.556	4.740	2.932	11.847	2.663	1.020	0.725	0.604	0.396	
11	0.541	0.323	1.205	1.086	3.902	2.940	8.090	2.207	1.194	0.609	0.731	0.272	
12	0.757	0.324	1.250	1.627	3.122	2.948	7.783	2.159	1.079	0.885	0.636	0.220	
13	0.758	0.431	1.913	2.171	3.529	1.988	6.713	2.094	1.150	0.982	0.508	0.336	
14	1.110	1.481	3.254	2.037	4.426	1.677	5.293	1.906	1.075	0.747	0.497	0.283	
15	1.110	22.490	2.411	1.767	4.382	1.508	5.052	1.618	2.202	1.092	0.492	0.192	
16	1.110	9.521	2.143	1.358	3.671	1.315	4.877	1.978	1.510	1.226	0.398	0.303	
17	1.218	5.184	2.273	1.359	2.823	1.481	5.116	1.784	1.270	3.200	0.408	0.141	
18	1.217	3.365	2.029	1.266	2.312	1.405	4.808	1.333	0.885	3.343	0.408	0.331	
19	1.110	2.455	1.785	1.233	2.143	1.518	4.599	1.448	1.212	1.918	0.324	0.268	
20	1.003	1.867	1.785	1.276	1.972	1.146	5.084	1.469	2.443	1.329	0.362	0.305	
21	0.844	1.751	1.538	1.398	1.451	1.401	4.331	1.412	1.511	1.339	0.323	0.216	
22	0.799	2.818	1.539	1.263	1.627	0.948	3.894	1.515	1.641	1.283	0.543	0.205	
23	1.047	4.383	1.349	1.566	1.636	0.962	4.332	2.182	1.419	5.973	0.696	0.336	
24	1.095	6.472	1.099	1.531	1.652	1.128	4.936	2.544	1.304	8.451	0.422	0.267	
25	0.880	5.090	1.079	1.617	3.704	1.265	4.966	2.004	1.128	3.777	0.611	0.250	
26	0.880	3.648	9.016	2.302	3.434	1.883	3.746	2.377	0.931	2.201	0.394	0.469	
27	1.060	3.293	9.197	5.946	4.223	1.598	3.734	1.651	1.014	1.891	0.333	0.418	
28	0.868	2.059	4.229	6.871	6.835	2.620	3.959	1.707	1.141	1.486	0.478	0.460	
29	0.761	1.784	3.059	9.438		2.893	3.912	1.359	0.702	1.179	0.519	0.478	
30	0.663	1.633	2.299	10.121		1.968	3.190	1.315	0.459	1.007	0.673	0.413	
31	0.785		2.037	4.600		2.836		1.675		1.264	0.360		
RESUMEN MENSUAL Y ANUAL													
TOT	32.196	84.848	69.661	82.495	106.987	73.128	254.395	61.118	40.162	55.862	17.644	10.192	888.688
MED	1.039	2.828	2.247	2.661	3.821	2.359	8.480	1.972	1.339	1.802	0.569	0.340	2.435
MAX	3.027	22.490	9.197	10.121	9.016	6.185	37.965	3.138	2.443	8.451	1.056	0.605	37.965
MIN	0.530	0.313	0.946	1.086	1.451	0.948	3.190	1.315	0.459	0.609	0.323	0.141	0.141

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,987 / 1,988

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.396	2.499	1.441	1.481	17.238	2.358	3.442	6.116	3.969	14.839	0.924	0.913	
2	1.366	1.782	1.441	1.009	11.202	2.547	3.951	5.329	3.969	5.085	0.761	1.189	
3	12.327	1.214	3.475	1.951	9.879	1.623	5.105	4.753	3.577	4.915	0.596	0.638	
4	7.659	1.221	13.737	1.951	8.675	1.945	7.974	4.748	4.000	4.565	1.178	0.803	
5	7.036	1.509	12.570	1.793	10.601	2.356	7.286	5.391	4.222	10.578	1.294	0.849	
6	7.999	1.232	5.803	1.794	29.181	1.571	6.793	5.924	2.880	5.381	1.524	0.557	
7	4.039	1.097	3.650	2.266	14.140	2.946	5.442	6.687	2.801	4.538	1.487	0.440	
8	2.697	1.105	2.876	3.212	18.427	4.780	5.651	6.731	3.065	3.724	1.290	0.590	
9	2.430	1.099	2.823	3.922	20.294	3.298	4.279	5.614	5.150	3.264	0.984	0.802	
10	30.186	1.084	2.667	3.269	12.127	2.581	4.997	4.802	6.147	3.058	0.724	0.753	
11	8.487	3.544	3.139	2.317	10.201	2.764	11.770	4.481	3.780	2.829	0.579	0.568	
12	5.843	2.008	3.613	2.000	9.819	2.090	18.252	5.223	3.984	2.698	0.423	0.470	
13	4.420	2.431	4.444	2.642	7.529	2.277	8.778	4.658	3.774	2.294	0.450	0.757	
14	3.456	3.705	5.591	3.452	6.281	2.948	7.953	6.023	12.285	2.307	0.686	0.535	
15	21.974	3.576	4.218	4.128	6.352	2.556	7.763	6.213	6.872	2.296	0.774	0.975	
16	18.413	3.226	3.741	8.030	5.808	3.840	15.201	4.551	22.944	2.084	0.954	0.506	
17	8.814	2.976	3.583	6.018	4.773	10.382	10.999	5.671	8.199	1.743	1.150	0.553	
18	4.954	2.555	3.411	4.867	4.305	10.507	8.275	6.140	8.212	1.414	1.020	1.246	
19	2.282	2.184	3.114	3.881	3.963	6.852	25.224	5.278	5.708	1.697	0.570	0.791	
20	5.011	1.849	2.621	3.726	4.154	5.671	15.246	4.533	4.501	1.903	0.276	0.745	
21	4.668	1.705	2.622	3.910	4.035	5.409	9.211	4.394	3.880	1.626	0.379	0.804	
22	3.631	1.705	1.981	15.322	3.826	4.193	9.812	4.231	4.553	1.849	0.853	0.666	
23	7.317	1.850	2.143	12.130	3.606	4.524	17.742	6.481	3.494	1.371	0.697	0.711	
24	4.660	1.705	1.508	8.455	3.617	3.178	8.508	5.186	4.183	2.569	0.710	0.559	
25	3.445	1.995	1.196	18.499	2.714	4.531	7.826	4.803	3.346	1.761	0.869	0.534	
26	3.186	1.851	1.360	9.550	2.718	3.881	7.613	4.629	2.911	1.861	1.025	0.416	
27	4.708	2.108	1.366	8.425	2.824	3.809	5.660	3.511	3.251	1.538	0.742	0.646	
28	6.572	1.646	1.171	10.504	1.904	3.373	4.865	3.721	3.935	1.754	0.608	0.409	
29	8.776	1.635	1.637	39.837	1.989	2.801	6.029	3.511	3.780	1.105	0.641	0.343	
30	3.073	0.859	1.323	19.616		4.379	4.831	3.740	15.293	1.244	0.094	0.343	
31	2.355		1.637	14.956		3.567		3.474		1.269	0.670		
RESUMEN MENSUAL Y ANUAL													
TOT	213.180	58.955	105.902	224.913	242.182	119.537	266.478	156.547	168.665	99.159	24.932	20.111	**1,700.561**
MED	6.877	1.965	3.416	7.255	8.351	3.856	8.883	5.050	5.622	3.199	0.804	0.670	**4.646**
MAX	30.186	3.705	13.737	39.837	29.181	10.507	25.224	6.731	22.944	14.839	1.524	1.246	**39.837**
MIN	1.366	0.859	1.171	1.009	1.904	1.571	3.442	3.474	2.801	1.105	0.094	0.343	**0.094**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,988 / 1,989

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.488	0.582	0.722	0.609	0.458	8.113	1.685	4.198	3.609	0.806	0.533	0.252	
2	0.360	0.486	0.631	0.527	0.442	5.786	1.786	4.530	3.130	0.658	0.542	0.370	
3	0.495	0.487	1.466	0.527	6.200	7.433	2.659	4.404	2.480	0.694	0.430	0.453	
4	0.483	0.488	1.188	0.365	0.491	6.684	3.699	4.497	1.659	0.586	0.466	0.456	
5	0.574	0.492	0.839	0.702	0.378	5.313	2.918	5.017	2.089	0.474	1.502	0.614	
6	0.390	0.493	1.181	0.764	0.233	5.339	2.747	5.268	1.800	0.889	0.555	0.180	
7	0.197	0.590	1.128	0.682	0.206	4.117	4.337	4.829	1.472	1.254	0.874	0.264	
8	0.316	0.687	1.128	0.683	0.573	3.685	7.943	5.241	1.840	0.940	0.414	0.243	
9	0.423	1.463	0.766	0.536	0.621	2.613	7.108	5.393	1.709	0.608	1.064	0.304	
10	0.562	1.658	0.503	0.528	0.139	2.256	8.106	4.497	1.818	0.789	1.834	0.399	
11	0.373	1.075	0.498	0.691	0.553	2.806	3.356	5.161	1.933	0.567	1.205	0.447	
12	0.594	0.880	0.864	0.529	0.562	2.850	8.732	4.925	1.650	0.676	0.828	0.442	
13	0.574	0.885	0.958	0.756	0.266	2.800	6.937	3.743	1.426	0.489	0.916	0.372	
14	0.345	0.741	0.614	0.492	0.257	3.275	5.452	3.691	1.839	0.599	4.841	0.395	
15	0.648	0.708	0.477	0.573	0.411	1.453	5.503	2.594	1.487	0.457	1.446	0.494	
16	0.933	0.345	0.512	0.457	0.473	1.260	8.274	3.121	1.652	0.391	1.114	0.506	
17	1.221	0.347	0.517	0.525	0.305	1.360	7.432	3.152	1.160	0.495	0.754	0.439	
18	3.489	0.402	0.523	0.467	0.303	1.559	9.746	3.324	1.103	0.472	0.627	0.321	
19	4.650	0.748	0.265	0.371	0.510	1.268	7.437	3.335	1.539	0.520	1.218	0.375	
20	2.860	0.489	1.236	0.624	0.467	1.118	7.279	3.715	1.342	0.286	0.598	0.466	
21	1.782	0.331	0.973	0.611	0.397	1.365	5.286	4.767	0.969	0.617	0.779	0.437	
22	1.379	0.475	0.802	0.441	0.433	2.062	4.546	3.310	1.317	0.780	0.462	0.712	
23	1.087	0.384	0.598	0.217	0.604	1.669	4.415	3.403	0.379	0.656	0.593	1.159	
24	0.791	0.338	0.700	0.839	0.893	1.373	3.932	3.380	1.160	0.588	0.615	0.935	
25	0.902	0.544	0.683	0.454	3.556	1.566	5.805	2.774	0.495	0.676	0.386	0.700	
26	0.722	0.634	0.821	0.463	2.736	1.704	6.092	2.989	1.050	0.603	0.455	0.539	
27	0.778	0.719	0.711	0.531	1.717	1.863	4.281	2.436	0.502	0.225	0.577	0.500	
28	0.580	0.439	0.619	0.378	2.307	2.336	5.436	3.244	1.112	0.380	0.373	0.665	
29	0.686	0.440	1.170	0.382		2.130	4.983	4.301	0.833	0.500	0.293	0.832	
30	0.877	0.536	0.910	0.500		2.059	4.205	5.197	0.468	0.534	0.445	0.604	
31	0.681		0.663	0.530		2.252		5.068		0.562	0.281		
RESUMEN MENSUAL Y ANUAL													
TOT	30.240	18.886	24.666	16.754	26.491	91.467	162.117	125.504	45.022	18.771	27.020	14.875	601.813
MED	0.975	0.630	0.796	0.540	0.946	2.951	5.404	4.049	1.501	0.606	0.872	0.496	1.649
MAX	4.650	1.658	1.466	0.839	6.200	8.113	9.746	5.393	3.609	1.254	4.841	1.159	9.746
MIN	0.197	0.331	0.265	0.217	0.139	1.118	1.685	2.436	0.379	0.225	0.281	0.180	0.139

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,989 / 1,990

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.356	0.713	1.776	1.050	1.886	2.444	1.146	3.197	2.136	1.302	0.557	0.455	
2	0.189	0.639	1.391	0.931	1.675	1.982	0.849	2.962	2.072	0.990	1.392	0.698	
3	0.550	0.639	1.267	1.290	1.666	1.727	0.467	2.697	2.148	0.864	0.652	0.295	
4	0.515	0.713	1.123	1.051	1.703	1.314	0.697	3.056	1.986	0.867	0.571	0.488	
5	0.551	1.899	1.121	1.011	1.703	1.331	1.474	3.227	2.613	0.965	0.573	0.537	
6	0.355	2.359	1.221	0.767	1.523	1.204	4.020	3.059	2.697	0.958	0.456	0.343	
7	0.242	2.831	0.920	0.913	1.817	1.341	4.000	2.701	1.894	0.937	0.644	0.491	
8	0.194	3.789	1.021	1.162	1.732	0.955	2.620	2.769	1.673	0.919	0.584	0.571	
9	0.417	3.056	1.022	1.135	2.034	1.495	3.268	3.053	1.360	0.930	0.606	0.473	
10	0.580	2.290	0.920	1.050	1.637	1.198	2.003	3.138	1.470	0.952	0.718	0.301	
11	0.630	2.545	0.921	0.862	1.880	1.060	3.428	3.521	4.148	0.824	0.719	0.464	
12	0.451	3.540	1.223	1.743	13.897	1.062	4.626	2.798	2.568	0.868	0.561	0.523	
13	0.456	3.004	1.426	0.875	20.073	1.198	3.878	3.627	1.921	0.735	0.480	0.622	
14	0.258	2.261	2.239	0.810	8.459	1.200	2.977	3.546	2.661	0.859	0.634	1.790	
15	0.394	1.818	3.375	0.691	5.359	1.516	3.260	2.980	2.639	1.057	0.612	0.276	
16	0.354	1.567	4.793	0.836	4.698	1.249	2.875	3.161	2.150	0.777	0.503	1.363	
17	0.409	2.338	7.377	0.849	3.630	1.090	2.619	3.041	1.658	0.928	0.531	1.573	
18	0.409	1.863	8.281	0.849	3.139	0.944	2.766	2.997	2.108	0.919	0.499	1.236	
19	0.853	2.582	7.357	0.849	2.603	1.170	6.352	3.106	1.984	0.791	0.594	0.697	
20	0.854	8.184	4.430	0.849	2.171	1.274	5.041	4.066	3.229	0.718	0.287	0.659	
21	0.779	7.719	3.329	0.849	2.254	1.116	3.540	3.908	2.678	0.743	0.399	0.552	
22	0.409	4.524	4.046	0.842	2.606	1.023	2.854	7.221	2.497	0.674	0.507	0.475	
23	0.408	3.250	4.732	0.831	2.280	1.326	2.776	8.926	1.526	0.529	0.313	0.393	
24	0.578	2.700	2.614	0.748	2.527	1.208	3.456	14.790	1.480	0.835	0.425	0.425	
25	0.491	2.620	2.116	0.986	1.994	1.060	3.007	8.360	1.646	0.439	0.440	0.355	
26	0.491	2.245	2.461	1.105	1.739	0.796	2.922	4.678	1.723	0.580	0.408	0.522	
27	0.419	1.841	1.757	0.986	1.804	0.958	3.161	3.900	2.621	1.001	0.239	0.487	
28	1.155	1.937	1.523	3.618	2.282	0.948	3.027	3.037	1.864	0.886	0.352	0.461	
29	1.083	1.590	1.525	2.401		0.999	3.047	2.637	1.564	1.064	0.246	0.442	
30	0.935	1.953	1.324	1.771		0.829	3.197	2.640	1.324	0.980	0.893	0.549	
31	0.935		1.228	1.725		1.130		2.298		0.729	0.919		
RESUMEN MENSUAL Y ANUAL													
TOT	16.700	79.009	79.859	35.435	100.771	38.147	89.353	125.097	64.038	26.620	17.314	18.516	690.859
MED	0.539	2.634	2.576	1.143	3.599	1.231	2.978	4.035	2.135	0.859	0.559	0.617	1.893
MAX	1.155	8.184	8.281	3.618	20.073	2.444	6.352	14.790	4.148	1.302	1.392	1.790	20.073
MIN	0.189	0.639	0.920	0.691	1.523	0.796	0.467	2.298	1.324	0.439	0.239	0.276	0.189

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,990 / 1,991

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.814	7.162	1.674	8.502	1.393	2.301	2.284	3.798	2.556	0.417	0.295	0.403	
2	1.137	3.988	1.419	5.465	0.841	1.947	2.214	3.805	2.637	0.643	0.327	2.667	
3	0.676	3.505	1.291	4.377	1.055	2.130	2.547	3.404	2.561	1.490	0.187	3.196	
4	0.652	3.006	1.473	3.757	0.886	2.678	2.334	2.800	2.179	0.766	0.340	1.418	
5	0.477	2.387	1.630	3.330	0.888	3.595	2.665	3.000	2.576	0.605	0.334	0.973	
6	0.486	1.757	1.374	2.957	0.685	8.032	2.421	3.193	3.655	0.913	0.221	0.660	
7	0.489	2.082	1.374	3.786	1.058	15.585	3.182	2.436	6.961	0.542	0.140	0.648	
8	0.638	7.530	1.374	3.807	1.320	9.867	3.866	2.801	4.997	0.360	0.130	0.481	
9	0.439	9.036	1.319	3.664	1.421	5.850	3.776	6.251	3.208	1.088	0.131	0.446	
10	0.449	10.516	1.978	5.522	2.911	4.471	3.520	10.625	3.661	0.479		0.394	
11	0.559	6.696	4.840	5.406	1.549	4.968	2.862	3.916	3.001	0.804	0.007	0.665	
12	0.686	4.497	8.201	6.998	1.721	4.527	2.677	4.030	1.897	0.504	0.336	0.540	
13	0.416	3.454	6.729	5.003	1.380	4.143	3.718	6.681	2.311	0.752	0.257	0.551	
14	0.368	2.748	3.406	3.820	1.380	4.275	2.897	5.511	2.555	0.637	0.223	0.461	
15	0.385	2.151	3.152	2.965	1.209	3.546	4.089	5.524	2.596	0.659	0.263	0.370	
16	0.531	1.913	2.616	2.623	1.382	4.129	7.643	4.836	2.088	0.463	0.285	0.381	
17	0.597	1.794	2.487	2.455	1.210	5.220	7.931	3.343	1.841	0.460	0.208	0.301	
18	0.946	1.551	2.356	2.417	1.558	3.251	5.078	3.310	1.531	3.335	0.175	0.216	
19	0.554	1.677	2.084	2.312	1.038	3.165	3.332	3.021	1.215	0.196	0.300	0.354	
20	0.518	1.433	1.949	2.314	1.560	3.930	2.951	2.779	1.167	0.120	0.300	0.195	
21	0.518	1.558	1.733	1.770	1.910	4.750	2.786	3.027	1.320	0.128	0.196	0.281	
22	6.204	1.312	2.004	1.890	1.663	4.981	2.551	4.006	1.744	0.649	0.217	0.227	
23	5.862	1.760	1.865	2.010	1.635	2.922	2.241	4.687	1.660	0.334	0.361	0.178	
24	4.672	1.724	1.585	1.891	2.056	2.648	2.741	4.966	1.310	0.183	0.429	0.267	
25	3.745	2.894	1.726	1.368	2.799	3.249	2.465	4.463	1.167	0.194	0.433	0.763	
26	3.357	2.074	1.878	1.371	2.810	2.679	4.780	3.551	1.110	0.222	0.279	2.247	
27	4.022	2.458	7.042	1.374	2.819	2.337	4.632	3.300	1.164	0.261		1.311	
28	12.312	2.340	6.109	0.958	2.829	2.331	5.364	3.870	1.108	0.286	0.211	1.428	
29	20.369	1.710	8.817	1.287		2.199	4.709	2.874	0.713	0.099	0.206	2.884	
30	8.840	1.396	9.558	1.461		2.434	3.565	3.182	0.637	1.153	0.116	3.636	
31	9.519		10.803	1.634		2.140		2.791		0.254	0.379		
RESUMEN MENSUAL Y ANUAL													
TOT	91.237	98.109	105.846	98.494	44.966	130.280	107.821	125.781	67.126	18.996	7.286	28.542	**924.484**
MED	2.943	3.270	3.414	3.177	1.606	4.203	3.594	4.057	2.238	0.613	0.251	0.951	**2.547**
MAX	20.369	10.516	10.803	8.502	2.911	15.585	7.931	10.625	6.961	3.335	0.433	3.636	**20.369**
MIN	0.368	1.312	1.291	0.958	0.685	1.947	2.214	2.436	0.637	0.099	0.007	0.178	**0.007**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,991 / 1,992

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	3.473	1.245	3.626	0.709	0.380	0.691	3.006	3.580	4.817	5.474	0.503	1.743	
2	2.260	1.245	3.642	0.709	0.493	0.691	7.565	4.376	5.095	3.598	0.477	1.435	
3	1.599	3.707	3.164	0.607	0.368	0.691	17.713	3.206	4.053	2.677	0.426	0.762	
4	1.124	12.919	2.512	0.611	0.368	0.541	11.973	2.769	3.194	1.741	0.265	0.571	
5	0.938	6.521	2.352	0.802	0.530	0.542	9.408	2.355	2.848	1.741	0.274	0.526	
6	0.856	4.739	1.857	0.636	0.691	0.509	6.503	2.011	2.162	2.253	0.325	0.537	
7	0.814	3.441	1.859	0.639	0.758	0.547	5.238	2.714	1.818	2.207	0.615	0.573	
8	0.700	2.738	2.027	0.641	0.431	0.493	5.404	2.561	1.996	1.458	7.628	0.950	
9	2.535	2.873	1.595	1.031	0.326	0.542	5.782	2.705	2.453	1.664	23.216	0.745	
10	10.309	1.908	1.629	0.989	0.322	0.691	4.797	2.892	3.587	1.192	5.062	0.881	
11	10.018	1.792	1.463	0.769	0.509	0.691	4.830	2.893	2.662	1.225	2.615	0.744	
12	3.671	1.672	1.295	0.891	0.686	0.691	4.306	2.611	2.542	1.060	1.785	0.609	
13	2.974	6.762	1.463	0.865	1.575	0.566	4.347	2.999	2.239	1.524	1.531	0.608	
14	2.783	7.424	1.128	0.628	1.640	0.577	5.384	3.072	2.027	0.934	1.013	0.482	
15	2.588	20.121	1.128	0.484	1.112	0.945	5.235	2.601	1.984	0.979	0.838	0.380	
16	2.058	16.066	1.128	0.581	0.962	0.397	4.561	2.609	5.112	0.993	0.879	0.465	
17	1.577	8.668	1.128	0.803	1.066	0.479	2.880	2.399	2.840	1.039	0.860	0.281	
18	1.537	10.206	1.128	0.654	1.002	0.640	8.244	1.907	2.119	0.669	0.941	0.420	
19	1.327	8.647	1.128	0.422	0.583	0.565	6.502	2.583	2.126	0.685	1.079	0.291	
20	1.115	8.500	1.355	0.365	0.534	0.577	6.566	2.264	1.694	0.631	1.156	0.390	
21	1.029	5.810	2.173	0.691	0.637	0.551	5.852	1.882	0.851	0.627	0.610	0.215	
22	1.011	4.261	2.420	0.691	0.590	0.783	6.294	2.964	1.647	0.659	0.495	0.235	
23	1.012	3.521	1.924	0.691	0.728	1.022	6.689	3.795	2.540	0.489	0.350	0.236	
24	0.691	3.027	1.685	0.529	0.312	1.287	7.073	4.228	4.252	0.308	0.235	0.366	
25	1.012	3.511	1.675	0.529	0.580	0.911	6.852	2.519	2.814	0.397	0.359	0.372	
26	1.227	4.320	0.998	0.528	0.841	1.663	6.182	2.322	1.946	0.651	0.650	0.414	
27	2.628	3.708	0.941	0.691	0.691	1.502	5.751	2.054	1.888	0.682	0.347	3.797	
28	2.425	3.377	1.124	0.691	0.691	1.362	5.120	2.425	1.650	0.708	0.292	5.585	
29	2.216	2.475	1.199	0.691	0.691	1.409	3.906	2.926	2.242	0.778	0.937	2.716	
30	1.676	3.451	1.045	0.691		2.594	2.785	2.474	3.582	0.494	0.623	1.837	
31	1.488		0.876	0.433		2.874		2.494		0.721	1.609		
RESUMEN MENSUAL Y ANUAL													
TOT	70.671	168.655	52.667	20.692	20.097	28.024	186.748	85.190	80.780	40.258	57.995	29.166	**840.943**
MED	2.280	5.622	1.699	0.667	0.693	0.904	6.225	2.748	2.693	1.299	1.871	0.972	**2.298**
MAX	10.309	20.121	3.642	1.031	1.640	2.874	17.713	4.376	5.112	5.474	23.216	5.585	**23.216**
MIN	0.691	1.245	0.876	0.365	0.312	0.397	2.785	1.882	0.851	0.308	0.235	0.215	**0.215**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,992 / 1,993

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.711	9.157	1.748	1.830	0.637	0.210	1.002	4.356	3.256	1.316	0.620	0.300	
2	1.458	6.933	2.356	1.832	1.000	0.311	1.136	3.892	2.952	1.044	0.397	0.548	
3	1.966	6.295	4.451	1.655	0.824	0.312	0.784	4.526	2.583	1.134	0.387	0.347	
4	11.511	5.701	18.689	1.517	0.899	0.461	1.787	3.999	2.449	1.166	0.709	0.337	
5	35.533	4.801	16.996	1.697	0.797	0.550	1.424	4.037	2.041	0.636	0.565	0.312	
6	17.552	3.651	13.602	1.697	0.786	0.399	1.417	3.800	2.342	1.510	0.551	0.212	
7	7.655	3.403	26.459	1.633	0.606	0.402	2.353	4.000	1.939	1.194	0.455	0.381	
8	4.996	2.858	38.922	1.810	0.786	0.455	2.031	3.485	2.009	0.881	0.345	0.231	
9	7.506	2.288	18.070	1.632	0.716	0.534	1.790	2.818	2.112	0.578	0.287	0.109	
10	8.865	2.108	12.037	1.454	0.714	0.562	1.333	4.546	3.056	0.623	0.318	0.445	
11	5.327	2.132	7.803	1.453	0.715	0.377	1.170	3.381	3.892	0.821	0.360	0.184	
12	3.921	2.457	8.587	1.634	0.672	0.384	0.732	4.152	2.427	1.166	0.329	0.208	
13	3.111	2.275	9.521	1.827	0.668	0.565	1.379	3.882	2.097	0.853	0.484	0.245	
14	2.558	3.185	6.814	2.188	0.669	0.534	1.708	3.575	1.862	0.655	0.485	0.248	
15	2.516	4.651	6.455	2.011	0.668	0.551	1.897	3.272	1.737	1.183	0.997	0.461	
16	7.709	6.179	6.277	1.650	0.490	0.691	2.009	2.745	1.869	0.767	0.507	0.493	
17	15.103	14.382	5.545	1.651	0.670	0.648	1.827	2.706	1.470	0.406	0.396	0.463	
18	6.188	10.997	5.177	1.398	0.767	0.649	1.836	4.947	1.530	0.620	0.307	0.336	
19	5.914	11.100	4.441	1.397	0.700	0.944	2.516	7.283	1.412	0.453	0.327	0.459	
20	5.625	13.195	4.257	1.398	0.702	0.955	2.488	6.695	2.135	0.951	0.177	0.391	
21	5.152	5.563	3.890	1.217	0.607	1.120	2.263	5.046	3.103	0.670	0.427	0.786	
22	15.691	4.583	3.343	1.216	0.593	1.583	2.541	4.295	4.806	0.437	0.085	14.653	
23	6.716	3.675	3.896	1.217	0.415	1.358	3.490	3.430	2.849	0.609	0.328	7.644	
24	11.678	2.932	3.714	1.398	0.417	3.914	8.797	4.343	2.202	0.641	0.542	12.314	
25	8.080	2.773	3.899	1.399	0.482	1.876	7.366	6.125	1.843	0.598	0.477	6.922	
26	6.144	2.783	3.357	1.035	0.488	1.846	8.031	14.480	1.473	0.494	1.880	3.815	
27	5.801	2.343	3.181	1.303	0.595	1.123	5.916	9.640	1.400	0.467	1.497	2.871	
28	9.261	2.140	2.957	1.190	0.411	0.791	5.462	7.028	0.977	0.488	1.069	2.279	
29	32.623	2.014	2.876	1.012		0.905	5.346	4.510	1.192	0.818	0.629	1.762	
30	27.458	1.781	2.531	1.008		0.943	4.563	4.125	1.834	0.855	0.570	2.456	
31	13.936		2.131	0.819		0.923		3.484		0.760	0.501		
RESUMEN MENSUAL Y ANUAL													
TOT	299.265	148.335	253.982	46.178	18.494	26.876	86.394	148.603	66.849	24.794	17.008	62.212	**1,198.990**
MED	9.654	4.945	8.193	1.490	0.661	0.867	2.880	4.794	2.228	0.800	0.549	2.074	**3.285**
MAX	35.533	14.382	38.922	2.188	1.000	3.914	8.797	14.480	4.806	1.510	1.880	14.653	**38.922**
MIN	1.458	1.781	1.748	0.819	0.411	0.210	0.732	2.706	0.977	0.406	0.085	0.109	**0.085**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,993 / 1,994

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	3.984	2.890	1.926	11.819	2.825	4.576	3.309	6.324	4.720	1.087	0.553	0.274	
2	6.273	3.535	3.528	8.161	3.029	3.652	3.403	6.380	6.162	1.324	0.587	0.484	
3	9.443	9.336	3.402	9.598	8.440	4.579	2.987	-6.377	4.085	1.288	0.606	0.443	
4	8.081	5.079	2.414	9.824	8.284	6.057	4.110	7.860	2.613	1.007	0.626	0.466	
5	5.887	3.805	1.839	6.884	5.572	6.424	4.456	5.805	3.964	0.738	0.532	0.315	
6	5.965	5.653	1.948	27.214	4.128	5.731	4.193	4.274	2.553	0.836	0.573	0.177	
7	6.967	6.888	1.871	12.247	3.577	4.982	10.179	6.236	2.270	1.446	0.634	0.366	
8	6.206	3.737	1.869	9.007	3.690	4.465	6.389	7.435	1.086	0.836	0.604	0.214	
9	5.096	3.586	2.510	10.763	3.479	4.391	4.676	4.328	2.246	0.410	0.897	0.324	
10	6.097	2.870	2.491	17.700	5.392	4.581	4.877	3.278	1.953	1.283	0.579	0.324	
11	16.411	2.425	2.133	11.915	7.443	4.270	4.502	3.540	1.667	0.714	0.291	0.239	
12	15.269	2.845	1.573	13.326	4.995	3.902	5.018	3.818	1.479	1.346	0.564	0.309	
13	12.319	2.139	1.329	9.598	5.408	3.404	4.586	3.315	1.737	0.639	0.168	0.246	
14	8.661	1.730	1.518	6.767	3.839	3.292	3.419	5.795	1.427	0.713	0.442	0.275	
15	6.023	1.731	1.337	6.413	3.324	3.395	3.118	3.968	1.335	0.659	0.300	0.294	
16	5.099	1.735	1.157	4.945	2.970	3.306	2.595	6.139	1.649	0.631	0.322	0.697	
17	5.568	1.562	1.337	5.131	-2.970	3.480	2.124	5.587	2.034	0.495	0.466	0.854	
18	4.682	1.564	1.158	3.839	3.320	3.097	2.515	4.040	1.894	0.684	0.504	0.437	
19	3.850	1.461	1.157	3.337	3.001	2.709	2.846	3.577	1.520	0.726	0.429	0.312	
20	3.585	1.222	1.158	3.431	4.189	2.854	3.275	3.967	1.739	0.840	0.410	0.305	
21	2.875	1.391	1.518	2.877	3.622	3.240	3.275	11.973	1.565	0.783	0.536	0.610	
22	2.887	0.866	1.332	2.877	3.256	2.854	4.860	13.926	1.764	0.617	0.361	0.549	
23	2.456	1.042	0.965	2.323	4.003	2.587	7.153	11.514	1.382	0.548	0.257	6.805	
24	2.168	1.217	2.794	2.591	4.589	3.030	6.360	9.819	1.260	0.478	0.244	5.054	
25	2.174	1.218	29.366	3.500	4.523	3.222	4.401	7.357	1.096	0.468	0.180	2.389	
26	2.327	0.867	12.555	4.491	5.441	3.739	3.930	6.520	1.805	0.578	0.286	1.319	
27	2.784	1.042	7.514	3.737	5.689	3.276	5.532	4.691	1.703	0.650	0.325	1.084	
28	8.252	0.867	6.940	4.619	5.314	2.995	6.689	3.778	1.194	0.643	0.353	1.007	
29	5.757	0.691	6.053	4.201		2.868	6.506	4.174	1.288	0.808	0.203	1.053	
30	4.258	1.397	11.279	3.711		2.834	6.933	4.871	1.201	0.699	1.587	0.970	
31	3.190		11.754	2.972		2.537		4.837		0.875	0.715		
RESUMEN MENSUAL Y ANUAL													
TOT	184.594	76.391	129.725	229.818	120.372	116.329	138.216	172.749	62.390	24.850	15.134	28.195	**1,298.763**
MED	5.955	2.546	4.185	7.413	4.299	3.753	4.607	5.573	2.080	0.802	0.488	0.940	**3.558**
MAX	16.411	9.336	29.366	27.214	8.440	6.424	10.179	13.926	6.162	1.446	1.587	6.805	**29.366**
MIN	2.168	0.691	0.965	2.323	-2.970	2.537	2.124	-6.377	1.086	0.410	0.168	0.177	**-6.377**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,994 / 1,995

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.432	1.932	1.167	15.854	3.681	4.484	1.971	2.798	2.404	1.502	0.850	0.108	
2	1.309	1.833	1.646	7.471	3.451	4.148	2.464	2.980	1.753	1.192	0.664	0.210	
3	1.471	4.781	0.850	4.969	2.750	4.434	2.704	3.345	1.604	0.979	0.932	0.319	
4	1.177	43.852	0.850	3.515	2.233	12.399	2.723	2.963	1.771	0.979	0.727	0.314	
5	1.028	17.006	1.010	3.676	2.572	9.502	3.505	2.783	1.794	1.131	0.393	0.264	
6	0.797	7.253	0.851	9.186	2.575	13.458	2.961	2.654	1.566	0.945	0.669	0.272	
7	0.875	6.714	1.388	4.912	2.429	9.313	2.788	2.555	1.417	1.026	0.656	0.206	
8	0.642	5.875	0.885	4.346	2.634	8.019	2.982	2.388	2.173	0.892	0.551	0.318	
9	0.716	7.718	1.059	8.301	2.658	5.877	2.982	2.336	1.090	0.760	0.592	0.282	
10	0.796	10.081	0.736	4.884	2.485	5.235	2.944	2.778	1.277	1.022	0.752	0.399	
11	0.724	9.026	0.712	10.714	1.927	13.929	2.859	2.245	1.452	0.596	0.594	0.491	
12	0.805	9.350	0.691	10.417	1.977	9.537	2.716	2.717	0.770	0.993	0.549	0.335	
13	0.969	8.498	0.850	7.090	3.203	7.734	2.335	3.252	1.425	0.612	0.502	0.438	
14	0.979	5.779	0.850	5.643	8.480	5.877	2.538	2.239	1.119	1.319	0.219	0.526	
15	0.974	4.472	0.946	3.748	8.182	4.501	1.965	3.260	1.239	0.684	0.153	0.258	
16	2.919	3.434	0.864	3.227	8.010	4.111	2.132	10.007	1.252	0.587	0.546	0.302	
17	2.316	3.299	0.850	2.911	6.284	3.442	3.067	9.221	1.079	0.856	0.292	0.405	
18	1.549	1.924	0.691	7.810	7.164	3.405	1.640	6.675	1.068	0.948	0.312	2.351	
19	4.407	1.810	0.691	5.608	4.805	3.244	2.006	5.110	0.887	0.826	0.354	1.562	
20	4.899	2.206	1.488	4.487	3.631	3.306	1.972	3.823	1.095	0.611	0.379	1.708	
21	2.833	2.557	8.416	3.552	3.864	3.198	1.772	2.958	1.774	0.573	0.288	1.734	
22	5.307	2.252	6.904	3.178	3.485	2.809	1.632	2.777	1.461	0.585	0.239	0.991	
23	7.172	1.945	2.783	3.366	2.919	3.213	1.269	2.459	1.488	0.955	0.274	0.785	
24	3.433	1.476	1.963	6.256	6.198	3.057	2.395	2.775	1.005	0.887	0.338	0.532	
25	2.569	1.635	1.467	8.352	9.529	2.691	2.184	2.405	0.877	0.752	0.277	0.650	
26	2.043	1.479	1.466	7.084	10.208	3.005	1.547	2.528	1.025	0.463	0.292	0.379	
27	9.080	1.323	1.301	5.716	7.445	2.586	1.608	2.166	1.220	0.744	0.273	0.472	
28	16.295	1.324	1.301	4.599	4.719	2.224	2.530	2.342	0.784	0.612	0.319	0.411	
29	5.069	1.324	1.301	4.245		3.178	2.669	2.175	1.319	0.643	0.229	0.379	
30	3.139	1.326	6.969	5.631		2.783	2.437	2.150	1.362	0.653	0.299	0.399	
31	1.886		19.792	4.796		2.178		2.332		0.583	0.260		
RESUMEN MENSUAL Y ANUAL													
TOT	89.610	173.484	72.738	185.544	129.498	166.877	71.297	103.196	40.550	25.910	13.774	17.800	**1,090.278**
MED	2.891	5.783	2.346	5.985	4.625	5.383	2.377	3.329	1.352	0.836	0.444	0.593	**2.987**
MAX	16.295	43.852	19.792	15.854	10.208	13.929	3.505	10.007	2.404	1.502	0.932	2.351	**43.852**
MIN	0.642	1.323	0.691	2.911	1.927	2.178	1.269	2.150	0.770	0.463	0.153	0.108	**0.108**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,995 / 1,996

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.479	0.326	1.288	9.804	4.775	3.255	5.477	3.163	4.716	1.467	0.942	0.705	
2	0.285	0.313	1.290	9.820	4.364	3.269	4.848	2.722	4.102	1.485	0.882	0.747	
3	0.431	0.332	13.142	6.419	4.371	2.683	3.863	2.666	2.229	0.849	1.282	0.791	
4	0.355	0.201	7.838	5.115	3.784	2.490	2.649	2.223	2.290	1.537	1.438	0.794	
5	1.050	0.250	4.909	8.108	4.372	2.497	2.317	2.224	2.592	1.561	1.194	0.708	
6	0.960	0.250	2.725	10.356	14.577	2.417	2.504	2.639	2.831	1.582	1.169	0.619	
7	0.766	0.250	2.103	9.829	16.603	2.712	2.341	12.474	2.961	1.792	1.672	0.634	
8	0.662	0.206	2.674	6.869	14.487	2.199	2.411	8.654	2.680	2.874	1.300	0.319	
9	0.645	0.254	3.167	17.954	6.968	2.398	2.765	5.143	2.298	1.901	1.047	0.772	
10	0.306	0.302	2.244	14.175	6.654	2.560	2.781	4.578	2.986	1.812	0.733	0.503	
11	0.516	4.089	1.854	10.357	6.605	3.348	3.001	5.198	3.603	1.865	0.747	0.561	
12	0.621	13.558	1.581	8.526	7.861	2.759	3.057	5.111	3.001	1.618	0.515	0.488	
13	0.414	3.830	1.620	6.886	11.429	2.678	3.530	3.971	2.724	1.130	0.549	0.657	
14	0.345	2.302	0.981	6.116	8.470	2.883	3.538	3.064	2.641	1.668	0.401	0.419	
15	0.397	1.875	1.366	4.729	5.362	2.678	3.992	3.244	2.454	1.457	0.770	0.657	
16	0.398	6.934	10.933	3.838	4.941	2.678	3.747	3.799	2.263	1.474	0.470	0.419	
17	0.347	3.686	4.299	3.423	4.170	2.071	5.781	4.381	1.994	1.437	0.540	0.718	
18	0.040	2.634	2.795	3.034	4.364	1.861	4.107	9.678	14.170	1.206	0.436	0.441	
19	0.018	1.893	2.085	2.840	5.141	2.363	3.663	9.841	2.951	1.154	0.613	2.266	
20	0.154	1.353	1.881	2.840	4.159	2.656	3.292	6.836	2.761	0.807	0.768	3.646	
21	0.357	1.359	1.568	2.840	3.940	2.865	3.481	4.743	3.918	0.079	1.509	5.005	
22	0.357	4.411	2.382	17.122	3.162	4.029	5.003	3.379	3.445	1.305	0.889	4.492	
23	0.257	5.892	6.868	23.406	2.901	5.556	6.920	3.539	2.152	1.155	1.227	3.266	
24	0.357	3.014	22.966	16.622	2.928	6.607	3.958	4.308	2.059	1.133	0.548	2.205	
25	0.334	2.513	44.682	10.007	2.968	8.673	2.988	4.550	1.498	1.187	0.703	1.559	
26	0.311	2.620	33.026	6.678	3.940	7.032	2.731	4.352	1.330	1.806	0.399	1.466	
27	0.310	1.858	15.124	5.144	3.064	6.375	2.751	3.947	2.264	2.936	3.325	1.291	
28	0.297	1.551	8.951	5.343	3.407	6.200	2.754	4.295	1.221	2.775	1.554	0.922	
29	0.498	1.319	7.426	4.767	3.012	3.999	2.601	3.789	1.371	1.221	0.864	0.872	
30	0.269	1.030	12.691	4.963		3.616	2.899	3.896	1.441	1.376	0.736	1.069	
31	0.326		11.396	4.578		3.819		3.968		1.084	0.802		
RESUMEN MENSUAL Y ANUAL													
TOT	12.862	70.405	237.855	252.508	172.779	111.226	105.750	146.375	88.946	46.733	30.024	39.011	**1,314.474**
MED	0.415	2.347	7.673	8.145	5.958	3.588	3.525	4.722	2.965	1.508	0.969	1.300	**3.591**
MAX	1.050	13.558	44.682	23.406	16.603	8.673	6.920	12.474	14.170	2.936	3.325	5.005	**44.682**
MIN	0.018	0.201	0.981	2.840	2.901	1.861	2.317	2.223	1.221	0.079	0.399	0.319	**0.018**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN AL EMBALSE DE YESA.

AÑO HIDROLÓGICO: 1,996 / 1,997

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.630	0.518	18.942	3.602	4.626	2.348	1.935	2.419	6.013	1.953	1.771	2.670	
2	1.910	0.604	11.388	3.426	4.077	2.341	2.108	2.428	4.856	15.673	1.538	2.981	
3	2.960	0.346	6.455	5.062	4.224	2.384	1.547	2.169	4.260	9.340	1.339	1.598	
4	1.850	0.518	7.829	4.593	3.619	2.396	1.935	2.359	7.188	4.666	2.791	1.676	
5	1.304	0.691	49.954	4.416	3.256	2.402	1.858	3.542	11.681	3.845	1.149	1.607	
6	1.126	0.777	18.398	3.534	3.226	2.407	1.693	5.279	5.819	2.488	1.443	1.158	
7	1.309	0.605	9.396	3.566	2.672	2.815	1.659	4.018	3.800	2.817	1.840	0.873	
8	1.227	0.553	7.497	4.485	2.674	2.014	1.780	3.292	3.370	2.678	1.486	1.719	
9	1.056	0.637	6.302	6.927	2.305	2.422	1.858	2.868	2.540	3.214	1.352	1.443	
10	1.220	0.566	5.082	8.572	2.491	2.428	1.676	3.145	2.065	3.447	1.737	1.365	
11	0.769	2.917	4.951	8.482	2.503	2.025	1.814	3.465	2.048	2.566	1.953	1.538	
12	0.761	6.013	9.483	10.519	2.505	2.648	1.521	3.439	2.195	2.445	1.719	1.011	
13	0.676	3.451	18.788	8.744	3.438	2.202	1.728	4.234	1.676	2.341	1.996	1.365	
14	1.185	2.039	16.829	7.664	3.070	2.277	1.452	4.355	1.460	1.400	1.192	0.924	
15	2.227	1.686	8.671	6.563	6.085	1.968	1.918	3.905	4.752	1.918	1.668	1.660	
16	2.637	1.144	7.221	6.946	4.074	1.963	2.125	3.810	4.415	9.046	1.184	0.527	
17	2.059	1.055	5.778	13.886	2.961	1.974	1.763	12.286	2.108	9.703	6.947	1.348	
18	1.716	2.426	13.328	9.528	2.588	1.975	2.290	6.981	1.814	5.918	2.324	0.700	
19	0.988	2.533	14.356	7.958	2.404	2.310	2.062	4.640	1.244	4.078	1.892	0.588	
20	1.306	4.515	9.652	14.049	2.409	2.194	2.290	3.836	1.503	2.920	4.778	1.063	
21	1.307	4.677	13.356	17.746	2.516	2.034	2.091	3.214	1.089	2.722	2.540	0.976	
22	0.991	10.460	16.151	13.136	2.509	1.874	1.521	2.566	1.045	2.834	2.195	0.994	
23	0.603	17.790	11.890	15.882	2.708	1.689	1.547	2.480	0.899	3.205	1.400	1.063	
24	0.784	7.255	9.977	10.255	2.574	1.838	1.158	2.583	0.924	3.534	1.365	1.106	
25	0.943	12.240	8.262	9.239	2.753	2.139	1.175	2.437	0.501	1.763	1.434	1.581	
26	0.378	16.960	7.347	6.854	3.081	1.523	1.175	2.480	0.760	1.961	1.201	0.812	
27	0.604	15.442	5.860	5.793	2.697	1.468	1.737	2.436	0.821	1.901	1.385	0.968	
28	0.604	10.037	5.178	5.330	2.346	1.979	4.121	2.004	2.480	1.218	2.048	0.855	
29	0.431	6.863	4.474	4.696		1.740	4.164	1.797	2.817	2.523	1.909	1.184	
30	0.691	18.160	3.924	4.418		1.544	2.635	2.419	2.281	1.469	1.624	1.313	
31	0.691		3.603	4.257		1.871		4.329		1.668	1.063		
RESUMEN MENSUAL Y ANUAL													
TOT	37.943	153.478	340.322	240.128	86.391	65.192	58.335	111.215	88.424	117.253	60.263	38.665	**1,397.608**
MED	1.224	5.116	10.978	7.746	3.085	2.103	1.944	3.588	2.947	3.782	1.944	1.289	**3.829**
MAX	2.960	18.160	49.954	17.746	6.085	2.815	4.164	12.286	11.681	15.673	6.947	2.981	**49.954**
MIN	0.378	0.346	3.603	3.426	2.305	1.468	1.158	1.797	0.501	1.218	1.063	0.527	**0.346**

2. EA-170. RÍO ARAGÓN EN “YESA C.E.”

2.1. CAUDALES MEDIOS DIARIOS

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,980 / 1,981

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	4.920	28.740	14.260	15.120	14.260	77.280	74.240	30.380	83.360	14.260	8.920	4.600	
2	5.560	21.410	15.120	16.840	13.830	41.120	50.300	29.560	71.200	15.980	33.680	3.960	
3	4.280	20.880	15.120	15.980	14.260	28.740	38.640	28.740	58.420	21.940	20.880	3.320	
4	3.640	21.940	13.400	16.410	14.260	24.640	30.380	26.280	42.360	19.290	14.260	3.000	
5	4.920	21.940	13.400	20.880	15.550	21.940	31.200	27.920	36.160	14.260	11.880	2.400	
6	4.920	16.410	12.640	18.760	15.120	27.920	36.160	21.940	34.920	12.640	10.360	1.800	
7	4.920	15.980	11.880	17.270	14.260	33.680	48.960	26.280	36.160	15.120	9.980	0.900	
8	4.920	17.700	11.500	16.840	13.400	59.840	48.960	42.360	48.960	14.690	17.700	0.900	
9	4.920	115.240	11.880	15.550	13.400	57.000	44.940	87.940	54.320	13.400	10.740	1.200	
10	7.560	68.360	13.020	14.690	14.690	51.640	58.420	108.520	50.300	16.840	8.580	1.800	
11	48.960	44.940	13.830	13.020	14.690	58.420	128.680	68.360	41.120	16.840	6.540	1.800	
12	54.320	81.840	12.640	11.120	14.690	54.320	86.400	57.000	36.160	14.690	5.880	1.200	
13	25.460	108.520	12.640	13.020	13.020	55.660	69.780	47.620	37.400	12.640	4.920	1.200	
14	19.820	55.660	13.830	11.120	11.880	34.920	66.940	38.640	31.200	15.550	5.560	1.500	
15	22.470	36.160	17.700	18.760	10.740	23.000	61.260	34.920	30.380	15.120	4.920	1.500	
16	137.180	27.920	17.700	108.520	11.120	18.760	48.960	51.640	30.380	12.640	4.280	1.800	
17	118.600	24.640	11.880	64.100	13.020	16.840	44.940	46.280	24.640	11.880	4.280	1.800	
18	98.720	25.460	11.120	34.920	11.500	15.550	42.360	34.920	21.410	11.120	4.600	1.500	
19	65.520	23.820	18.230	24.640	10.360	16.840	36.160	46.280	15.980	9.260	4.600	1.500	
20	41.120	20.880	128.680	28.740	10.360	16.410	37.400	64.100	14.260	8.920	4.280	1.500	
21	37.400	18.760	62.680	115.240	10.360	13.830	31.200	65.520	13.830	8.580	4.280	1.500	
22	41.120	16.840	37.400	97.180	9.600	17.270	32.440	54.320	13.830	9.260	3.640	3.640	
23	43.600	16.410	26.280	65.520	8.920	19.290	33.680	43.600	13.830	9.600	3.640	14.260	
24	77.280	14.260	21.940	39.880	8.920	37.400	36.160	51.640	12.640	9.600	3.320	9.600	
25	106.840	15.120	18.760	27.920	10.740	61.260	31.200	71.200	11.120	8.920	3.320	8.240	
26	62.680	14.260	18.760	22.470	9.600	86.400	31.200	58.420	14.260	8.580	3.000	36.160	
27	57.000	14.260	19.290	20.880	16.840	71.200	30.380	36.160	15.980	8.240	3.320	55.660	
28	43.600	15.980	15.550	19.820	57.000	80.320	27.920	29.560	29.560	8.920	2.400	33.680	
29	38.640	20.350	15.120	20.350		128.680	29.560	26.280	19.820	8.920	3.000	23.820	
30	33.680	19.290	15.980	19.290		89.480	31.200	30.380	15.980	9.980	3.320	19.290	
31	33.680		15.550	15.980		75.760		59.840		8.920	3.000		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	40.589	32.132	21.219	30.995	14.157	45.658	46.667	46.665	31.998	12.471	7.519	8.168	**28.285**
MAX	137.180	115.240	128.680	115.240	57.000	128.680	128.680	108.520	83.360	21.940	33.680	55.660	**137.180**
MIN	3.640	14.260	11.120	11.120	8.920	13.830	27.920	21.940	11.120	8.240	2.400	0.900	**0.900**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,981 / 1,982

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	16.840	21.940	5.880	79.980	34.120	59.390	22.180	25.540	34.120		13.150	13.480	
2	19.290	19.290	13.020	58.360	34.120	46.600	24.930	21.720	33.300	14.800	13.150	13.480	
3	20.880	18.760	9.260	48.540	34.120	41.080	22.640	25.540	34.940		13.150	12.820	
4	44.940	14.260	8.920	48.540	30.020	35.760	22.180	37.400	48.540		13.480	12.820	
5	21.940	11.880	8.240	44.760	28.590	35.760	33.300	47.570	35.760		12.820	13.480	
6	15.980	11.120	8.240	42.920	27.370	34.120	44.760	34.940	32.480	15.170	12.490	12.820	
7	12.640	9.600	7.900	68.780	27.370	29.200	39.240	27.980	30.840		11.500	12.820	
8	11.120	9.600	7.900	67.690	26.760	27.370	39.240	23.100	31.660		11.830	12.490	
9	9.600	7.220	7.900	46.600	26.760	26.760	42.920	21.260	28.590	14.800	12.160	12.490	
10	8.240	8.580	10.740	39.240	24.320	24.930	41.080	20.340	30.840		11.830	12.160	
11	7.560	7.560	16.840	46.600	23.100	24.320	39.240	23.100	38.320		11.830	12.160	
12	10.740	6.880	283.500	44.760	22.180	29.200	39.240	23.710	47.570		11.830	12.160	
13	25.460	6.880	268.200	37.400	21.720	29.200	45.680	27.980	56.300	15.540	11.500	12.160	
14	20.880	6.880	270.750	34.120	23.100	25.540	46.600	29.200	49.510	14.140	12.160	11.830	
15	15.980	5.560	75.320	32.480	21.260	24.930	34.120	32.480	34.120	13.480	11.830	11.500	
16	13.400	5.560	237.300	31.660	27.980	24.320	27.980	37.400	30.840	13.480	12.160	11.500	
17	11.500	4.920	62.480	32.480	27.980	23.710	29.200	37.400	27.370	17.760	12.160	11.500	
18	10.360	4.920	67.690	32.480	26.150	24.320	22.180	44.760	34.120	14.140	11.830	11.500	
19	8.580	4.600	44.760	30.020	29.200	24.320	22.640	50.480		12.820	11.830	11.500	
20	7.900	4.920	28.590	29.200	30.020	42.920	27.980	42.000		12.820	11.830	11.500	
21	7.900	3.960	25.540	26.150	27.980	39.240	30.840	42.000	20.340	13.480	15.170	11.830	
22	7.900	4.280	30.020	24.930	52.420	66.600	32.480	40.160		12.820	13.480	11.830	
23	8.240	3.640	60.420	25.540	46.600	50.480	34.120	35.760		12.160	14.800	12.490	
24	6.880	3.960	132.180	27.980	38.320	34.940	35.760	38.320		12.160	14.140	12.490	
25	6.880	3.960	66.600	35.760	36.580	29.200	32.480	35.760	18.500	11.830	12.820	12.160	
26	11.880	3.960	50.480	28.590	37.400	24.320	27.370	35.760		12.160	12.160	37.400	
27	6.540	4.920	42.000	42.000	50.480	23.100	22.180	36.580		12.160	30.020	26.760	
28	23.000	4.920	60.420	39.240	77.500	23.100	23.100	30.020		12.160	26.150	16.280	
29	21.410	4.600	88.660	17.760		22.180	25.540	34.120		11.830		13.150	
30	17.270	4.280	116.160	32.480		22.180	25.540	41.080	16.280	12.160		41.080	
31	15.980		119.300	34.120		22.180		42.920		15.170	13.480		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	14.442	7.780	72.104	39.715	32.626	31.976	31.891	33.754	34.016	13.502	13.681	14.721	**28.711**
MAX	44.940	21.940	283.500	79.980	77.500	66.600	46.600	50.480	56.300	17.760	30.020	41.080	**283.500**
MIN	6.540	3.640	5.880	17.760	21.260	22.180	22.180	20.340	16.280	11.830	11.500	11.500	**3.640**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,982 / 1,983

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	23.710	19.420	7.560	23.820	12.260	48.960	23.820	62.680	57.000	15.980	3.320	38.640	
2	16.280	17.760	6.540	21.940	12.640	39.880	23.000	47.620	43.600	15.120	3.640	19.820	
3	13.480	18.500	6.880	19.820	11.880	31.200	19.820	38.640	38.640	15.120	3.640	13.830	
4	12.820	17.020	6.200	19.820	10.740	28.740	18.760	38.640	41.120	19.820	3.640	8.240	
5	12.820	14.800	5.560	19.290	11.880	27.100	17.700	50.300	43.600	15.980	3.640	7.560	
6	14.800	14.800	5.560	18.230	13.400	26.280	18.760	57.000	46.280	16.840	3.640	7.560	
7	41.080	188.000	21.410	17.700	16.840	23.820	20.350	66.940	46.280	16.840	3.640	5.560	
8	25.540	172.000	30.380	17.270	13.400	23.000	23.000	64.100	51.640	15.980	3.640	3.960	
9	22.640	91.020	57.000	16.840	12.640	22.470	31.200	48.960	43.600	14.260	3.640	3.640	
10	24.320	36.160	24.640	16.840	11.880	24.640	41.120	51.640	41.120	11.500	3.640	3.320	
11	29.200	20.350	29.560	17.700	11.120	24.640	34.920	43.600	38.640	11.880	3.640	3.320	
12	26.760	13.830	146.080	16.840	9.600	23.000	26.280	52.980	33.680	11.880	3.640	3.640	
13	114.590	51.640	92.560	15.550	8.920	22.470	20.350	115.240	29.560	11.120	3.640	3.640	
14	105.170	36.160	52.980	15.120	8.240	25.460	18.760	86.400	24.640	9.600	3.320	3.640	
15	50.480	26.280	36.160	13.020	8.240	27.100	17.700	68.360	54.320	8.920	3.320	3.640	
16	34.940	24.640	71.200	15.980	7.900	24.640	20.350	54.320	20.880	7.220	6.540	3.320	
17	27.980	33.680	59.840	15.550	7.900	21.410	23.820	43.600	19.820	6.200	6.200	3.000	
18	24.320	26.280	47.620	14.260	8.240	20.880	52.980	33.680	18.760	6.880	3.640	3.000	
19	46.600	19.820	34.920	15.120	9.600	21.940	75.760	29.560	15.980	6.880	3.320	3.000	
20	39.240	17.700	48.960	13.400	10.360	21.940	39.880	28.740	15.120	6.880	6.540	3.000	
21	35.760	15.550	62.680	12.640	11.880	22.470	84.880	32.440	14.260	6.540	4.600	3.640	
22	35.760	14.260	39.880	11.880	15.120	24.640	51.640	27.100	13.830	6.200	8.920	3.320	
23	39.240	12.640	31.200	11.120	51.640	22.470	57.000	26.280	13.830	6.200	13.400	3.000	
24	54.360	15.980	34.920	10.740	65.520	22.470	48.960	24.640	13.830	4.600	8.580	2.700	
25	42.920	15.980	68.360	11.120	127.000	19.820	103.480	21.940	16.840	4.280	6.540	2.700	
26	48.540	13.830	51.640	11.120	206.000	18.760	57.000	23.000	28.740	4.280	6.880	2.700	
27	41.080	11.500	51.640	11.120	97.180	19.820	44.940	23.000	29.560	4.280	5.880	3.000	
28	31.660	9.980	44.940	13.400	64.100	20.880	39.880	24.640	19.290	4.280	8.240	3.000	
29	25.540	8.240	36.160	12.640		20.350	36.160	26.280	17.700	4.280	5.880	3.000	
30	22.640	7.900	29.560	14.260		19.820	37.400	32.440	16.840	3.640	6.200	3.000	
31	20.800		26.280	14.260		17.700		46.280		3.000	15.120		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	35.647	32.857	40.931	15.433	30.576	24.476	37.656	44.872	30.300	9.564	5.488	5.846	**26.095**
MAX	114.590	188.000	146.080	23.820	206.000	48.960	103.480	115.240	57.000	19.820	15.120	38.640	**206.000**
MIN	12.820	7.900	5.560	10.740	7.900	17.700	17.700	21.940	13.830	3.000	3.320	2.700	**2.700**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,983 / 1,984

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	3.000	3.000	13.830	19.820	20.880	11.880	133.720	59.840	42.360	39.880	10.360	3.000	
2	3.000	3.000	12.260	17.700	33.680	10.360	69.780	87.940	59.840	36.160	7.900	3.000	
3	3.000	3.000	10.360	16.840	31.200	10.360	47.620	55.660	74.240	28.740	5.560	3.320	
4	3.000	3.000	8.240	15.550	59.840	9.260	36.160	41.120	87.940	26.280	4.920	3.640	
5	3.000	3.000	7.220	13.400	48.960	8.240	41.120	36.160	120.280	23.820	5.240	3.640	
6	3.000	3.000	7.220	13.400	32.440	7.560	37.400	72.720	84.880	22.470	4.600	3.640	
7	3.000	3.320	5.880	17.700	25.460	9.260	28.740	86.400	64.100	21.940	4.280	4.280	
8	3.000	4.280	6.200	21.410	55.660	10.740	26.280	57.000	57.000	22.470	3.960	4.600	
9	3.000	3.960	6.540	17.270	75.760	11.120	26.280	47.620	55.660	24.640	3.960	4.280	
10	3.000	9.600	5.560	15.120	34.920	10.740	26.280	39.880	57.000	25.460	3.640	4.600	
11	3.000	19.820	5.880	14.260	23.000	10.360	28.740	33.680	54.320	23.000	3.640	4.920	
12	3.000	13.020	5.560	12.640	19.820	9.260	29.560	28.740	58.420	20.880	3.640	4.920	
13	3.000	9.980	5.880	13.020	18.760	8.240	31.200	24.640	61.260	17.700	3.640	4.920	
14	3.000	7.560	5.240	14.260	16.840	11.120	36.160	23.000	66.940	16.840	3.640	4.920	
15	3.000	18.760	6.200	13.830	15.980	14.260	30.380	23.820	68.360	14.260	3.640	4.920	
16	3.000	21.940	9.260	13.400	15.120	15.120	23.820	21.940	74.240	13.020	3.640	4.600	
17	3.000	19.820	11.880	12.640	13.830	13.400	20.880	20.880	68.360	12.640	3.640	4.280	
18	3.000	15.980	12.260	11.880	14.260	12.640	20.880	51.640	66.940	11.120	3.320	4.280	
19	3.000	12.640	36.160	14.260	14.260	12.260	24.640	54.320	65.520	11.120	3.320	5.560	
20	3.000	9.600	19.290	19.820	14.260	11.880	29.560	36.160	86.400	12.640	3.320	6.880	
21	3.000	16.410	33.680	20.880	13.400	15.120	36.160	29.560	80.320	13.020	3.320	5.560	
22	3.000	15.980	27.920	33.680	13.020	15.120	42.360	27.100	65.520	10.740	3.320	5.560	
23	3.000	16.410	72.720	38.640	14.260	15.980	46.280	24.640	61.260	9.260	13.020	6.200	
24	3.000	12.640	41.120	68.360	13.400	15.120	46.280	38.640	48.960	10.360	14.260	11.880	
25	3.000	9.980	25.460	39.880	13.400	46.280	51.640	64.100	48.960	9.600	11.120	16.410	
26	3.000	8.240	20.350	30.380	10.740	27.100	51.640	71.200	43.600	8.240	6.880	15.120	
27	3.000	7.560	19.290	25.460	10.360	20.880	46.280	68.360	48.960	8.580	5.560	17.700	
28	3.000	10.740	21.940	20.880	11.120	43.600	42.360	51.640	52.980	6.200	4.600	16.840	
29	3.320	13.830	27.920	18.760	11.500	74.240	41.120	42.360	43.600	5.560	3.640	58.420	
30	3.640	15.120	22.470	17.270		36.160	43.600	41.120	36.160	5.240	3.320	32.440	
31	3.640		20.880	17.700		29.560		38.640		6.200	4.280		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	3.052	10.506	17.247	20.649	24.004	17.975	39.897	45.178	63.479	16.712	5.264	9.144	**22.665**
MAX	3.640	21.940	72.720	68.360	75.760	74.240	133.720	87.940	120.280	39.880	14.260	58.420	**133.720**
MIN	3.000	3.000	5.240	11.880	10.360	7.560	20.880	20.880	36.160	5.240	3.320	3.000	**3.000**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,984 / 1,985

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	23.000	10.740	67.380	20.880	37.080	27.000	27.000	42.000	61.200	22.760	18.830	18.420	
2	29.560	10.360	42.000	21.290	36.260	32.440	33.800	43.880	59.240	23.820	18.830	18.420	
3	37.400	26.280	34.620	21.290	36.260	27.680	37.080	46.700	61.200	23.820	18.830	18.420	
4	37.400	19.820	33.120	20.880	35.440	27.680	40.360	40.360	72.590	25.410	18.830	18.420	
5	71.200	26.280	30.400	20.880	37.080	26.470	67.380	35.440	74.770	22.760	18.830	18.420	
6	58.420	30.380	27.680	20.880	31.080	25.940	61.200	32.440	71.500	21.700	18.830	18.420	
7	41.120	29.560	25.410	20.880	31.080	24.350	47.640	29.720	60.220	21.700	18.830	18.420	
8	27.100	265.650	24.350	20.880	40.360	22.760	118.500	32.440	44.820	21.700	18.420	18.420	
9	27.100	489.600	23.290	20.880	45.760	22.760	111.000	29.720	37.080	21.290	18.420	18.420	
10	29.560	137.000	22.760	20.880	55.320	22.230	70.470	29.040	35.440	21.290	18.420	18.420	
11	27.920	84.720	22.230	20.060	51.400	22.230	52.380	27.000	36.260	20.880	18.420	18.420	
12	23.000	57.280	22.230	20.470	118.500	21.700	45.760	26.470	37.900	20.060	18.420	18.420	
13	20.880	44.820	22.230	20.470	98.800	21.700	41.180	25.940	43.880	20.060	18.420	18.420	
14	18.760	49.520	23.820	20.470	70.470	20.880	38.720	25.410	50.460	20.060	18.420	18.420	
15	16.840	49.520	22.760	20.470	75.860	20.880	33.800	25.940	45.760	20.060	18.420	18.420	
16	15.980	134.200	22.230	20.470	67.380	20.880	32.440	53.360	36.260	20.060	18.420	18.420	
17	15.120	62.230	21.700	20.470	72.590	21.290	33.800	50.460	35.440	20.060	18.420	18.420	
18	13.830	47.640	23.290	21.290	67.380	21.290	38.720	41.180	32.440	19.650	18.420	18.420	
19	15.980	69.440	23.820	21.700	50.460	21.700	42.000	39.540	34.620	19.650	18.420	18.420	
20	12.640	80.220	22.760	21.700	42.000	21.700	42.000	43.880	33.800	19.650	18.420	18.420	
21	24.640	55.320	40.360	33.800	37.900	24.880	43.880	49.520	29.720	19.240	18.420	18.420	
22	18.760	54.340	42.000	130.110	33.800	41.180	40.360	47.640	29.720	19.240	18.420	18.420	
23	15.550	59.240	29.040	151.320	31.760	37.900	43.880	60.220	28.360	19.240	18.420	18.420	
24	13.400	53.360	24.880	75.860	30.400	29.720	42.940	68.410	25.940	19.240	18.420	18.420	
25	13.020	47.640	21.700	51.400	29.040	26.470	37.080	61.200	26.470	19.240	18.420	18.420	
26	25.460	45.760	21.290	65.320	27.680	25.940	37.900	67.380	25.940	19.240	18.420	18.420	
27	21.940	37.900	20.880	51.400	26.470	25.410	37.080	80.220	26.470	19.240	18.420	18.420	
28	17.700	33.120	21.700	43.880	25.940	24.880	37.080	71.500	25.410	18.830	18.420	18.420	
29	14.260	29.720	21.700	42.000		23.820	33.800	58.260	23.820	18.830	18.420	18.420	
30	13.400	28.360	21.290	45.760		23.820	37.900	51.400	22.760	18.830	18.420	18.420	
31	13.020		20.880	40.360		23.820		57.280		18.830	18.420		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	24.321	72.334	27.219	37.045	47.984	25.206	46.904	44.966	40.983	20.530	18.513	18.420	**35.163**
MAX	71.200	489.600	67.380	151.320	118.500	41.180	118.500	80.220	74.770	25.410	18.830	18.420	**489.600**
MIN	12.640	10.360	20.880	20.060	25.940	20.880	27.000	25.410	22.760	18.830	18.420	18.420	**10.360**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,985 / 1,986

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	18.420	17.600	17.270	19.240	20.880	54.340	27.000	25.960	24.340	6.060	2.640		
2	18.420	17.600	16.940	24.350	21.290	50.460	31.080	34.940	22.720	5.600	2.640		
3	18.010	18.010	16.940	24.880	23.820	58.260	43.880	72.050	24.340	6.980	2.640		
4	17.600	18.420	17.270	23.820	21.700	55.320	37.080	56.300	25.960	6.060	2.640		
5	17.600	19.650	16.940	21.700	20.880	47.640	29.720	40.160	22.720	5.140	2.640		
6	17.600	35.440	17.270	22.230	20.880	45.760	55.320	43.840	29.200	4.680	2.640		
7	17.600	70.470	17.600	20.880	20.880	42.000	56.300	51.450	21.910	4.680	2.640		
8	17.600	42.000	17.600	20.060	21.700	37.080	43.880	42.920	18.220	3.760	2.640		
9	17.600	25.940	17.600	19.240	20.880	31.080	35.440	43.840	17.500	3.300	2.640		
10	17.600	20.470	17.600	20.470	19.650	29.040	31.080	61.450	18.220	3.300	2.640		
11	17.600	19.240	16.940	20.470	19.650	26.470	29.720	69.870	20.380	3.300	2.640		
12	17.600	50.460	16.940	24.880	20.060	25.410	27.680	82.460	20.380	3.300	2.640		
13	17.600	50.460	16.610	24.350	19.650	26.470	25.410	103.600	20.380	5.140	2.640		
14	17.600	27.680	16.610	22.760	20.880	24.880	23.290	99.490	16.780	3.300	2.640		
15	17.600	21.700	16.610	27.000	23.290	24.350	22.760	72.050	16.060	3.300	2.640		
16	17.600	19.650	16.610	37.080	25.940	24.880	21.700	72.050	16.780	2.970	2.640		
17	17.600	19.240	17.270	28.360	78.040	24.880	21.700	78.740	15.340	2.970	2.640		
18	18.010	19.240	16.610	22.230	64.290	24.350	21.700	88.660	13.900	2.640	2.640	15.200	
19	17.600	19.240	16.610	20.060	50.460	23.820	21.700	89.900	13.900	2.640	2.640	27.000	
20	17.600	19.240	16.940	19.240	35.440	22.760	21.290	94.010	13.900	2.640	2.640	14.475	
21	17.600	19.240	16.610	19.240	37.900	23.290	22.760	84.940	35.760	2.640	2.640	8.395	
22	17.600	18.420	16.610	19.240	38.720	22.230	75.860	66.600	52.420	2.640	2.640	6.285	
23	17.600	18.420	17.600	18.420	47.640	22.760	40.160	73.140	29.200	2.640	2.310	5.275	
24	17.600	18.010	18.010	25.410	80.220	37.080	30.840	65.570	20.380	2.640	1.980	5.780	
25	17.600	18.010	51.400	25.410	62.230	45.760	56.300	60.420	16.060	2.640	1.650	13.750	
26	18.420	18.010	38.720	21.290	51.400	33.120	59.390	58.360	13.300	2.640	0.990	19.550	
27	18.420	18.010	24.880	26.470	47.640	27.000	41.080	56.300	12.700	2.640	0.660	21.000	
28	18.420	18.010	25.410	28.360	49.520	33.800	32.480	47.570	10.900	2.640		11.965	
29	18.420	16.940	41.180	25.940		31.080	25.960	37.400	7.440	2.640		8.395	
30	18.010	17.270	24.350	22.760		27.000	24.340	27.580	7.440	2.640		6.790	
31	17.600		20.470	22.230		23.820		25.150		2.640			
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	17.798	24.403	20.517	23.164	35.198	33.103	34.563	62.154	19.951	3.574	2.432	12.605	**24.861**
MAX	18.420	70.470	51.400	37.080	80.220	58.260	75.860	103.600	52.420	6.980	2.640	27.000	**103.600**
MIN	17.600	16.940	16.610	18.420	19.650	22.230	21.290	25.150	7.440	2.640	0.660	5.275	**0.660**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,986 / 1,987

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	5.780	4.770	12.560			57.025	20.275	34.825	15.200	10.180	8.990	2.750	
2	4.265	4.265	11.370		27.000	46.700	25.000		16.650	9.585	7.295	3.255	
3	4.265	3.760	10.775	17.375		43.750	87.950		16.650	8.990	6.790	3.255	
4	9.585	2.750	9.585		41.200	34.825	55.550	26.000	17.375	8.395	5.275	3.255	
5	8.395	3.760	8.990	13.750	28.000	28.000	38.650		17.375	7.800	4.770	3.760	
6	27.000	2.750	7.800			24.000	41.200	20.275	16.650	8.990	4.770	3.255	
7	21.000	2.450	6.790		23.000	24.000	134.750		17.375	11.965	4.770	2.450	
8	15.200	1.850	6.790	8.990		23.000	350.920		18.100	11.965	4.265	2.150	
9	11.370	1.850	15.925		55.550	24.000	214.120	25.000	15.200	8.990	3.760	2.150	
10	7.800	1.850	11.965	10.775		28.000	123.500		11.965	7.295	3.760	2.150	
11	6.285	2.450	8.990		34.825	25.000	80.600	24.000	10.180	6.790	3.760	2.150	
12	6.285	2.450	7.800	7.800	31.000	21.000	67.350		10.180	6.790	3.760	2.150	
13	7.295	1.850	7.800		24.000	18.825	67.350		11.965	7.800	3.255	2.150	
14	10.775	5.780			24.000	15.925	51.125	23.000	12.560	7.295	2.750	2.150	
15	10.180	137.000	7.800		24.000	10.775	43.750	16.650	18.100	8.395	2.750	1.550	
16	10.180	128.000			24.000	10.775	43.750		16.650	11.370	2.750	1.550	
17	11.370	61.450		7.295	20.275	11.370	46.700		12.560	30.000	2.750	1.250	
18	11.370	38.650	8.395		18.825	10.180	46.700	14.475	10.180	38.650	2.750	1.050	
19	11.370	28.000		6.790	16.650	10.180	46.700		9.585	25.000	2.750	1.050	
20	9.585	21.000	13.155	7.800	14.475	6.285	49.650		20.275	16.650	2.750	1.050	
21	8.395	10.180			12.560	4.265	46.700	12.560	19.550	13.155	3.760	1.550	
22	8.395	24.000	13.155	7.295	11.965	3.255	51.125	14.475	14.475	10.775	3.760	1.550	
23	8.395	31.000			10.775	3.760		18.100	13.155	11.370	5.275	1.850	
24	9.585	38.650		10.180	10.775	7.295	49.650	25.000	11.965	87.950	3.255	2.150	
25	7.800	43.750			13.155	10.180		24.000	10.775	49.650	3.760	2.150	
26	7.800	32.275	7.800	10.180	21.000	10.775		23.000	9.585	28.000	3.760	2.450	
27	8.395	26.000			20.275	9.585	39.925	23.000	8.990	19.550	3.760	6.285	
28	8.395	20.275			45.225	6.790		18.825	8.990	15.200	3.760	6.790	
29	6.790	15.925		58.500		8.395	38.650	15.200	10.775	12.560	3.760	6.285	
30	6.285	15.200				12.560		13.750	10.180	11.965	3.255	5.780	
31	5.780			39.925		18.825		15.200		9.585	2.450		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	9.528	23.798	9.858	15.897	24.023	18.365	74.466	20.386	13.774	16.860	4.033	2.712	**18.931**
MAX	27.000	137.000	15.925	58.500	55.550	57.025	350.920	34.825	20.275	87.950	8.990	6.790	**350.920**
MIN	4.265	1.850	6.790	6.790	10.775	3.255	20.275	12.560	8.990	6.790	2.450	1.050	**1.050**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,987 / 1,988

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	4.770	21.000	8.990	15.200	93.000	17.850	23.725	40.225	32.500	183.200	6.650	1.500	
2	16.650	17.375	8.990	13.750	95.350	17.850	21.350	54.388	40.225	59.988	6.650	2.750	
3	119.000	15.925	12.560	15.925	66.938	17.150	22.750	49.238	37.650	49.238	8.600	3.850	
4	98.975	13.155	87.950	20.275	58.250	16.450	55.675	45.375	47.950	38.938	7.400	3.500	
5	65.875	12.560	134.750	18.100	75.625	15.750	37.650	51.813	40.225	77.363	6.650	3.250	
6	102.650	11.370	62.925	18.100	137.650	14.800	61.725	56.963	26.650	58.250	5.600	3.000	
7	57.025	10.180	43.750	21.000	118.850	13.850	42.800	66.938	22.750	38.938	5.600	2.250	
8	38.650	10.180	34.825	19.550	79.100	19.950	37.650	70.412	22.750	30.550	5.600	1.750	
9	27.000	8.990	29.000	31.000	150.800	18.550	50.525	54.388	44.088	26.650	5.950	1.750	
10	241.480	13.155	27.000	28.000	102.400	16.450	40.225	50.525	51.813	23.725	5.250	1.500	
11	104.488	18.100	25.000	24.000	70.412	15.750	37.650	46.663	45.375	20.650	4.900	1.500	
12	51.125	15.925	34.825	22.000	68.675	15.275	188.600	47.950	37.650	19.950	4.550	1.500	
13	37.375	14.475	41.200	20.275	54.388	16.450	97.700	68.675	32.500	18.550	3.850	1.750	
14	27.000	31.000	62.925	25.000	47.950	17.850	72.150	58.250	77.363	17.150	3.850	1.500	
15	155.000	23.000	46.700	25.000	63.463	18.550	65.200	61.725	66.938	15.275	3.500	2.000	
16	195.000	20.275	41.200	62.925	44.088	21.350	116.500	54.388	158.900	13.850	3.500	2.750	
17	106.325	22.000	41.200	58.500	40.225	49.238	118.850	55.675	100.050	12.900	3.500	2.500	
18	55.550	19.550	38.650	46.700	37.650	68.675	84.313	58.250	68.675	12.425	3.250	3.850	
19	37.375	16.650	38.650	37.375	35.075	55.675	177.800	58.250	56.963	12.900	2.500	3.500	
20	29.000	14.475	32.275	38.650	35.075	47.950	167.000	46.663	46.663	12.900	2.500	3.250	
21	37.375	13.750	28.000	33.550	33.788	42.800	91.263	42.800	41.513	11.950	2.750	3.250	
22	29.000	11.965	27.000	58.500	30.550	40.225	79.100	44.088	40.225	10.600	2.500	3.850	
23	48.175	11.965	25.000	116.750	29.575	31.525	118.850	63.463	37.650	9.800	2.250	3.250	
24	43.750	11.965	23.000	73.250	29.575	30.550	86.050	55.675	40.225	11.475	2.250	3.000	
25	31.000	11.965	21.000	152.750	26.650	33.788	66.938	49.238	35.075	12.900	2.000	2.750	
26	26.000	11.965	19.550	98.975	24.700	38.938	58.250	49.238	29.575	10.600	2.000	2.250	
27	20.275	11.370	18.100	71.775	22.050	35.075	54.388	40.225	33.788	10.200	2.000	2.000	
28	86.113	10.775	16.650	102.650	20.650	28.600	46.663	35.075	35.075	9.800	2.000	1.750	
29	49.650	9.585	16.650	282.020	18.550	26.650	46.663	35.075	37.650	9.000	1.750	1.750	
30	36.100	8.395	15.925	145.400		27.625	42.800	40.225	51.813	8.200	1.500	2.250	
31	27.000		15.200	86.050		25.675		33.788		7.000	1.500		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	64.669	14.768	34.821	57.516	59.002	27.641	73.693	51.150	48.009	27.578	3.947	2.510	**38.709**
MAX	241.480	31.000	134.750	282.020	150.800	68.675	188.600	70.412	158.900	183.200	8.600	3.850	**282.020**
MIN	4.770	8.395	8.990	13.750	18.550	13.850	21.350	33.788	22.750	7.000	1.500	1.500	**1.500**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,988 / 1,989

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	2.500	3.850	3.850	4.900	2.250	37.650	16.450	29.575	38.938	5.600	1.500	1.000	
2	1.750	3.850	4.200	4.550	2.750	46.663	15.275	30.550	28.600	5.600	1.500	1.250	
3	1.750	3.500	6.650	4.550	2.500	54.388	17.150	35.075	22.750	4.900	1.000	1.250	
4	1.750	3.500	7.800	4.200	2.500	46.663	25.675	41.513	17.850	4.900	1.250	1.000	
5	1.500	4.200	6.650	4.900	2.500	50.525	22.050	45.375	15.275	4.550	3.500	1.000	
6	1.500	3.250	7.000	4.900	2.500	46.663	19.250	50.525	14.800	4.200	4.200	0.900	
7	1.500	3.250	7.400	5.600	2.000	40.225	19.250	53.100	13.850	9.800	3.500	0.900	
8	1.500	3.250	7.000	4.550	2.000	29.575	42.800	50.525	13.850	7.400	3.850	0.900	
9	1.500	11.475	6.300	4.200	2.000	21.350	49.238	53.100	15.750	5.600	2.500	1.000	
10	1.500	14.800	5.600	4.550	2.000	21.350	73.888	51.813	16.450	5.600	11.000	1.250	
11	1.500	9.800	5.600	4.900	2.250	25.675	46.663	51.813	15.750	5.250	10.200	0.400	
12	4.900	8.200	6.300	4.900	2.500	24.700	61.725	47.950	13.850	4.900	7.000	2.500	
13	4.200	7.000	6.300	4.900	2.000	26.650	65.200	38.938	14.800	4.200	4.200	2.750	
14	3.000	6.300	5.600	4.550	2.000	20.650	45.375	31.525	14.800	3.500	33.788	2.500	
15	3.000	6.300	4.550	3.850	2.000	17.150	37.650	29.575	13.850	3.500	16.450	2.500	
16	4.900	5.600	4.200	3.500	2.250	15.275	61.725	30.550	12.425	3.000	8.600	2.000	
17	7.400	5.600	4.200	4.200	2.250	14.325	54.388	30.550	11.475	3.000	7.000	1.500	
18	23.725	5.600	4.200	3.500	2.250	12.900	55.675	28.600	11.000	2.500	4.550	1.000	
19	37.650	5.250	4.200	3.250	2.250	11.475	55.675	30.550	11.000	2.250	4.900	1.500	
20	37.650	4.550	4.200	3.000	3.000	10.200	53.100	36.363	11.950	2.000	4.200	2.750	
21	17.850	3.500	5.600	3.850	2.500	10.600	45.375	47.950	11.000	1.750	4.550	3.000	
22	12.900	3.500	5.600	3.500	2.500	11.475	37.650	38.938	10.200	1.500	3.000	3.850	
23	9.800	3.500	5.600	3.000	3.000	12.900	33.788	31.525	9.400	1.750	3.000	11.000	
24	8.200	3.500	5.250	3.250	4.900	11.475	29.575	31.525	9.000	3.850	2.500	7.400	
25	7.400	3.850	4.550	2.750	10.600	11.000	47.950	28.600	7.800	4.200	2.000	5.250	
26	7.400	3.500	4.550	3.000	19.950	12.425	59.988	22.750	6.650	3.000	1.750	4.900	
27	6.650	3.500	4.200	3.000	10.200	15.275	37.650	23.725	7.400	2.500	2.000	3.000	
28	5.250	3.500	4.900	2.500	10.200	20.650	33.788	23.725	7.000	2.000	1.500	3.850	
29	4.900	3.500	4.900	2.500		19.950	32.500	42.800	6.650	1.500	1.250	3.500	
30	6.300	3.500	4.900	2.250		17.850	29.575	45.375	5.950	1.500	1.000	3.500	
31	4.200		4.900	2.250		17.150		50.525		1.250	1.000		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	7.598	5.149	5.379	3.848	3.914	23.703	40.868	38.226	13.669	3.776	5.104	2.637	**12.866**
MAX	37.650	14.800	7.800	5.600	19.950	54.388	73.888	53.100	38.938	9.800	33.788	11.000	**73.888**
MIN	1.500	3.250	3.850	2.250	2.000	10.200	15.275	22.750	5.950	1.250	1.000	0.400	**0.400**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,989 / 1,990

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	2.250	5.600	14.800	11.475	13.850	22.050	8.600	26.650	19.950	9.400	4.200	6.300	
2	2.000	4.550	13.850	11.000	13.375	18.550	8.600	24.700	19.950	8.600	3.500	4.200	
3	2.500	4.200	12.425	10.600	12.900	15.275	8.600	24.700	19.250	8.600	5.950	3.250	
4	1.750	6.300	11.000	10.600	12.900	13.375	8.600	23.725	17.850	7.800	4.550	2.750	
5	1.500	13.850	10.600	9.800	11.950	12.425	9.400	30.550	25.675	7.000	3.500	2.500	
6	2.000	15.750	9.800	9.400	11.950	12.900	23.725	26.650	26.650	6.300	3.000	2.250	
7	2.250	16.450	9.400	8.600	14.800	11.950	37.650	24.700	19.250	5.950	2.750	1.750	
8	1.500	32.500	9.000	9.000	14.325	11.475	26.650	22.750	17.850	5.600	2.750	1.250	
9	2.000	24.700	8.600	9.000	16.450	11.475	22.750	26.650	15.750	5.250	2.750	1.500	
10	3.500	18.550	8.600	8.600	17.150	11.000	18.550	28.600	12.900	4.550	2.750	2.000	
11	3.000	16.450	7.800	8.200	15.275	10.200	14.800	30.550	26.650	4.200	2.500	2.000	
12	3.000	32.500	7.800	7.800	45.375	11.475	29.575	26.650	31.525	4.200	2.250	2.000	
13	2.000	29.575	10.600	7.400	207.040	14.325	30.550	36.363	18.550	3.500	2.500	1.750	
14	1.750	19.250	19.950	7.000	95.350	15.275	22.750	36.363	22.050	3.500	2.500	8.200	
15	1.500	15.750	36.363	7.000	51.813	14.800	20.650	29.575	27.625	4.900	2.500	7.000	
16	1.500	13.850	32.500	7.000	46.663	14.325	22.050	29.575	19.950	5.250	2.000	12.900	
17	1.500	13.850	107.100	7.400	37.650	13.850	19.250	28.600	19.250	4.900	1.750	17.150	
18	2.500	22.750	75.625	7.400	29.575	12.900	17.150	29.575	17.150	4.200	2.750	11.475	
19	6.300	24.700	89.525	7.400	25.675	12.425	17.850	30.550	15.275	3.850	2.750	7.400	
20	10.200	56.963	47.950	7.000	23.725	11.950	30.550	35.075	30.550	3.250	1.500	5.950	
21	7.800	87.787	32.500	6.300	22.750	12.900	22.050	38.938	28.600	3.000	1.250	5.250	
22	5.600	51.813	36.363	6.300	24.700	12.425	17.850	68.675	21.350	2.250	1.000	4.550	
23	4.550	32.500	45.375	7.000	24.700	13.375	17.150	84.313	18.550	2.000	1.000	3.500	
24	4.200	24.700	29.575	7.000	22.750	14.325	17.150	100.050	14.325	2.250	1.250	3.500	
25	3.850	24.700	22.750	7.000	19.950	12.900	17.150	104.750	13.375	2.500	1.750	3.250	
26	3.250	28.600	19.950	8.200	18.550	11.950	17.850	53.100	12.900	2.500	1.750	3.000	
27	2.500	18.550	17.850	10.200	17.850	10.600	18.550	38.938	15.750	2.500	1.500	2.750	
28	6.650	18.550	15.275	15.750	22.050	10.200	21.350	31.525	22.050	5.600	1.250	2.750	
29	13.850	17.150	13.850	20.650		9.400	23.725	27.625	13.375	9.400	1.000	2.500	
30	8.600	15.750	12.900	14.325		9.000	26.650	22.750	11.000	6.300	3.850	2.750	
31	6.650		11.950	12.900		8.600		20.650		4.900	8.600		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	3.935	23.606	25.859	9.268	31.825	12.828	19.926	37.544	19.831	4.968	2.674	4.579	**16.270**
MAX	13.850	87.787	107.100	20.650	207.040	22.050	37.650	104.750	31.525	9.400	8.600	17.150	**207.040**
MIN	1.500	4.200	7.800	6.300	11.950	8.600	8.600	20.650	11.000	2.000	1.000	1.250	**1.000**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,990 / 1,991

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	6.300	86.050	12.425	79.100	15.750	17.850	22.050	33.788	29.575	8.200	1.000	2.500	
2	7.800	44.088	11.475	53.100	9.400	14.800	22.750	32.500	30.550	8.200	1.000	1.500	
3	5.950	32.500	11.000	40.225	9.000	12.900	24.700	26.650	31.525	9.000	2.000	33.788	
4	5.950	26.650	11.000	32.500	8.600	13.375	22.750	22.050	30.550	9.000	2.250	15.750	
5	5.600	20.650	11.000	26.650	8.200	21.350	21.350	20.650	27.625	9.400	1.750	9.000	
6	5.250	18.550	11.000	22.750	7.800	47.950	18.550	19.950	40.225	9.400	1.000	5.250	
7	4.550	15.750	10.600	22.750	7.800	121.200	18.550	19.250	61.725	7.800	0.800	7.000	
8	3.850	28.600	10.200	27.625	8.600	125.900	24.700	18.550	82.575	7.000	0.600	5.600	
9	3.850	111.800	11.000	26.650	8.600	58.250	28.600	18.550	42.800	6.300	0.500	3.850	
10	3.850	89.525	11.000	26.650	15.750	44.088	22.050	28.600	42.800	7.800	0.500	3.250	
11	3.250	75.625	18.550	36.363	14.325	44.088	31.525	32.500	36.363	7.400	0.700	3.250	
12	3.850	45.375	32.500	47.950	12.425	49.238	32.500	25.675	28.600	7.400	1.250	5.600	
13	3.000	33.788	50.525	45.375	11.475	53.100	38.938	33.788	27.625	7.000	2.000	4.900	
14	2.750	26.650	27.625	38.938	11.000	46.663	33.788	42.800	30.550	6.650	1.500	3.500	
15	2.500	20.650	21.350	36.363	10.200	41.513	31.525	45.375	29.575	5.950	1.000	3.250	
16	4.200	18.550	20.650	32.500	9.400	38.938	65.200	44.088	28.600	4.900	0.800	2.500	
17	5.250	16.450	19.250	32.500	9.400	65.200	97.700	31.525	23.725	3.500	0.700	2.250	
18	7.000	14.800	17.850	32.500	9.400	44.088	65.200	30.550	17.850	3.000	0.600	2.500	
19	6.650	14.325	16.450	33.788	9.400	35.075	45.375	24.700	14.800	2.500	0.600	2.750	
20	5.600	14.325	15.275	35.075	9.400	45.375	35.075	22.050	13.850	2.500	0.800	2.250	
21	4.900	14.325	14.325	33.788	11.000	51.813	28.600	30.550	14.325	2.250	1.250	2.000	
22	35.075	13.850	13.850	32.500	12.425	55.675	24.700	37.650	17.150	2.250	1.250	2.000	
23	91.263	13.850	13.375	32.500	11.475	41.513	22.750	44.088	17.850	2.750	2.000	1.000	
24	86.050	13.850	13.375	29.575	11.950	31.525	22.750	58.250	15.750	2.750	2.000	1.000	
25	54.388	13.850	13.375	26.650	16.450	25.675	23.725	55.675	14.325	2.000	1.500	1.000	
26	37.650	12.900	13.375	25.675	19.950	22.050	28.600	44.088	13.850	1.750	0.800	13.375	
27	35.075	13.375	27.625	25.675	19.950	20.650	28.600	40.225	13.375	2.000	0.700	15.275	
28	63.463	13.375	50.525	24.700	19.950	18.550	29.575	41.513	12.900	1.250	0.500	11.000	
29	278.760	12.900	46.663	22.750		19.950	33.788	44.088	10.600	1.000	0.400	26.650	
30	128.250	12.900	70.412	19.950		22.050	31.525	40.225	9.400	1.250	0.400	32.500	
31	89.525		73.888	18.550		22.050		35.075		1.250	0.700		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	32.303	29.663	22.629	32.957	11.753	41.047	32.583	33.710	27.034	4.948	1.060	7.535	**23.183**
MAX	278.760	111.800	73.888	79.100	19.950	125.900	97.700	58.250	82.575	9.400	2.250	33.788	**278.760**
MIN	2.500	12.900	10.200	18.550	7.800	12.900	18.550	18.550	9.400	1.000	0.400	1.000	**0.400**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,991 / 1,992

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	36.363	13.375	27.625	8.200	2.750		15.750	33.788	55.675	68.675	4.550	32.500	
2	27.625	11.475	35.075	7.800	2.750	7.000		46.663	65.200	42.800	3.500	19.950	
3	18.550	18.550	28.600	7.800	3.000			35.075	58.250	29.575	3.500	15.275	
4	13.850	114.150	25.675	7.400	3.000			27.625	41.513	22.050	3.250	13.375	
5	10.200	79.100	21.350	6.650	3.000			26.650	32.500	18.550	2.750	12.425	
6	9.000	46.663	18.550	5.600	3.250		53.100	25.675	25.675	20.650	2.500	11.000	
7	9.400	32.500	17.150	5.600	4.200			27.625	22.050	21.350	3.000	9.400	
8	8.200	26.650	15.275	6.300	4.900			29.575	20.650	17.850	17.150	8.200	
9	9.400	23.725	15.750	6.650	4.900			31.525	22.050	15.275	343.960	13.850	
10	35.075	19.250	15.275	8.600	4.900			32.500	30.550	14.800	77.363	14.325	
11	84.313	15.750	14.800	8.200	5.600		32.500	35.075	28.600	15.275	37.650	12.425	
12	47.950	14.800	13.850	7.000	6.650		35.075	33.788	25.675	12.900	25.675	11.000	
13	29.575	32.500	13.850	6.300	10.600		38.938	32.500	24.700	11.475	18.550	10.200	
14	30.550	80.838	13.850	6.300	14.800			37.650	25.675	11.475	15.275	9.800	
15	31.525	145.400	12.425	5.600	11.475			35.075	20.650	10.200	14.325	11.000	
16	25.675	148.100	10.600	5.250	11.000	5.600		32.500	27.625	9.000	14.325	9.800	
17	17.850	77.363	10.600	5.950	10.200			31.525	26.650	9.800	12.425	8.600	
18	14.800	73.888	11.000	5.250			53.100	27.625	20.650	10.200	10.600	8.200	
19	14.325	86.050	10.600	4.550			55.675	27.625	19.950	7.800	10.200	7.800	
20	12.900	66.938	11.000	4.550			58.250	24.700	17.850	6.300	13.375	7.400	
21	11.475	51.813	11.950	4.550				22.050	14.800	7.000	13.375	5.600	
22	9.800	42.800	12.425	4.550			58.250	21.350	13.375	7.400	12.425	5.950	
23	9.400	30.550	13.375	4.550		8.600	68.675	42.800	17.150	6.300	10.200	7.000	
24	9.000	28.600	11.950	4.550	10.600		79.100	53.100	24.700	4.900	9.000	6.650	
25	9.400	26.650	11.950	4.200			82.575	35.075	31.525	4.550	9.000	6.650	
26	10.600	29.575	10.600	4.200			70.412	25.675	21.350	3.250	8.600	7.800	
27	22.050	27.625	10.200	3.850			70.412	25.675	17.850	2.750	8.200	12.425	
28	25.675	25.675	10.200	3.500			68.675	24.700	14.800	4.550	10.200	59.988	
29	22.050	22.750	10.200	3.250			50.525	29.575	21.350	4.900	9.000	32.500	
30	17.850	25.675	8.200	3.000		11.000	33.788	33.788	30.550	6.300	11.950	22.050	
31	14.325		8.200	3.000				28.600		5.250	11.950		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	20.927	47.959	14.908	5.573	6.532	8.050	54.400	31.521	27.320	13.973	24.123	13.771	**22.819**
MAX	84.313	148.100	35.075	8.600	14.800	11.000	82.575	53.100	65.200	68.675	343.960	59.988	**343.960**
MIN	8.200	11.475	8.200	3.000	2.750	5.600	15.750	21.350	13.375	2.750	2.500	5.600	**2.500**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,992 / 1,993

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	19.250	61.060	20.700	19.100	9.090	4.140	11.490	43.750	41.200	8.990	0.225	2.150	
2	15.750	44.790	21.500	17.500	9.090	3.780	12.750	41.200	39.925	7.295	2.150	1.550	
3	15.750	40.390	38.250	16.700	9.090	3.780	10.860	41.200	25.000	5.780	0.450	1.250	
4	49.238	49.550	101.500	15.270	9.090	3.780	10.860	39.925	23.000	5.275	0.250	0.850	
5	288.540	45.980	146.050	15.270	9.090	3.780	13.380	42.475	18.825	4.770	0.225	0.250	
6	220.080	39.320	55.500	15.270	8.070	3.420	15.270	43.750	18.825	7.800	0.200	0.225	
7	97.700	37.180	140.380	14.640	7.050	3.420	20.700	39.925	18.100	7.295	0.175	0.225	
8	63.463	32.900	193.960	14.640	7.050	3.420	23.900	37.375	18.100	5.275	0.100	0.250	
9	63.463	28.400	113.610	14.640	6.540	3.420	19.100	34.825	18.100	3.760	0.225	0.450	
10	95.350	26.600	72.500	14.010	6.540	6.030	18.300	39.925	23.000	2.150	0.450	0.450	
11	70.412	24.800	55.500	13.380	6.540	4.140	18.300	42.475	43.750	2.150	0.450	0.650	
12	54.388	25.700	47.170	13.380	6.540	5.520	15.270	41.200	28.000	1.850	0.450	0.250	
13	45.375	25.700	45.980	15.900	6.030	4.140	15.900	39.925	21.000	1.550	0.450	0.225	
14	38.938	30.200	50.740	23.100	5.520	4.140	14.640	36.100	17.375	1.550	0.250	0.650	
15	36.363	37.180	47.170	21.500	5.520	4.140	15.270	36.100	16.650	1.250	0.175	0.650	
16	35.075	55.500	43.600	19.900	6.540	5.520	14.010	31.000	15.925	1.250	0.175	0.650	
17	172.400	69.400	42.530	18.300	6.540	4.500	14.010	28.000	14.475	1.050	0.225	0.850	
18	82.575	68.010	38.250	16.700	6.540	5.520	15.270	39.925	13.750	1.050	0.250	3.760	
19	66.938	70.950	36.110	15.900	6.540	9.600	19.100	65.875	13.155	0.850	0.225	3.760	
20	72.150	84.900	32.900	15.270	6.030	10.860	24.800	70.300	13.750	0.450	0.200	2.150	
21	63.463	65.230	31.100	14.640	5.520	12.750	23.100	57.025	19.550	0.450	0.200	2.750	
22	58.250	45.980	29.300	14.640	5.010	18.300	30.200	43.750	49.650	0.450	2.150	89.787	
23	89.525	39.320	28.400	14.640	5.010	15.270	25.700	38.650	27.000	0.225	0.075	80.600	
24	95.350	35.040	31.100	14.010	4.140	37.180	63.840	42.475	20.275	0.225	0.175	91.625	
25	79.100	31.100	33.970	14.010	3.780	24.800	55.550	54.075	16.650	0.225	1.850	65.875	
26	63.463	29.300	30.200	14.010	5.520	17.500	62.925	76.925	13.750	0.200	12.560	38.650	
27	66.938	28.400	27.500	13.380	4.500	12.750	51.125	87.950	10.775	0.650	16.650	39.925	
28	61.725	26.600	24.800	13.380	4.500	9.600	43.750	68.825	8.990	0.850	11.370	23.000	
29	246.160	23.900	23.900	12.120		8.580	48.175	48.175	11.370	0.650	5.275	19.550	
30	273.400	21.500	22.300	10.860		10.230	45.225	38.650	11.370	0.650	3.255	20.275	
31	125.920		20.700	9.600		10.230		33.550		0.650	2.150		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	91.177	41.496	53.135	15.344	6.465	8.846	25.759	45.977	21.043	2.471	2.033	16.443	**27.703**
MAX	288.540	84.900	193.960	23.100	9.090	37.180	63.840	87.950	49.650	8.990	16.650	91.625	**288.540**
MIN	15.750	21.500	20.700	9.600	3.780	3.420	10.860	28.000	8.990	0.200	0.075	0.225	**0.075**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,993 / 1,994

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	29.000	34.825	20.275	95.300	30.000	38.650	37.375	65.875	55.550	10.180	1.050	4.140	
2	61.450	36.100	20.275	64.400	30.000	33.550	37.375	67.350	62.925	8.990	2.150	2.700	
3	61.450	91.625	22.000	62.925	27.000	33.550	31.000	64.400	57.025	9.585	2.150	2.700	
4	84.275	70.300	23.000	82.438	31.000	49.650	28.000	76.925	39.925	9.585	1.850	1.620	
5	59.975	49.650	19.550	59.975	76.925	55.550	34.825	68.825	34.825	7.800	0.650	0.900	
6	61.450	57.025	17.375	139.250	45.225	54.075	29.000	51.125	33.550	7.295	0.850	1.620	
7	62.925	55.550	16.650	93.463	36.100	55.550	36.100	54.075	30.000	7.295	0.450	0.900	
8	61.450	51.125	18.100	59.975	31.000	46.700	46.700	82.438	28.000	6.285	0.200	2.340	
9	49.650	41.200	31.000	55.550	31.000	46.700	32.275	54.075	25.000	5.780	0.200	3.420	
10	54.075	34.825	26.000	100.813	27.000	46.700	28.000	42.475	24.000	5.275	0.225	2.700	
11	102.650	31.000	24.000	80.600	26.000	45.225	27.000	42.475	21.000	5.275	0.450	1.620	
12	200.000	29.000	20.275	70.300	41.200	45.225	29.000	45.225	18.100	5.275	0.250	0.900	
13	114.500	25.000	17.375	76.925	42.475	38.650	29.000	36.100	13.750	4.770	0.225	2.340	
14	119.000	22.000	16.650	64.400	45.225	33.550	28.000	57.025	14.475	4.265	0.200	3.060	
15	70.300	21.000	14.475	55.550	31.000	34.825	26.000	48.175	15.200	4.265	0.175	3.420	
16	54.075	21.000	13.155	49.650	27.000	36.100	23.000	55.550	15.200	4.265	0.150	4.500	
17	61.450	19.550	11.370	43.750	24.000	37.375	20.275	61.450	16.650	4.265	0.175	7.560	
18	58.500	18.100	10.180	36.100	24.000	34.825	18.825	49.650	18.100	2.150	0.200	5.520	
19	51.125	17.375	8.990	33.550	24.000	32.275	19.550	41.200	18.825	3.255	0.125	4.140	
20	43.750	15.925	10.180	31.000	22.000	32.275	22.000	42.475	15.200	3.255	0.075	4.140	
21	37.375	15.200	13.750	29.000	27.000	33.550	24.000	67.350	13.750	2.750	0.075	7.560	
22	33.550	13.155	13.155	27.000	24.000	32.275	27.000	134.750	13.155	2.750	0.100	8.070	
23	30.000	13.155	11.370	23.000	27.000	30.000	52.600	110.000	11.965	3.255	0.075	26.600	
24	25.000	12.560	11.965	23.000	33.550	31.000	55.550	95.300	11.965	2.450	0.150	74.050	
25	23.000	12.560	59.975	26.000	34.825	36.100	41.200	84.275	13.155	1.250	0.150	33.970	
26	25.000	11.965	128.000	28.000	38.650	42.475	33.550	71.775	13.750	0.850	0.175	23.100	
27	25.000	11.370	48.175	29.000	51.125	38.650	41.200	59.975	11.965	1.550	0.175	18.300	
28	65.875	11.370	41.200	32.275	45.225	32.275	55.550	51.125	11.370	1.550	0.100	14.640	
29	64.400	10.180	42.475	36.100		33.550	61.450	51.125	10.180	2.150	0.075	13.380	
30	49.650	11.370	59.975	32.275		36.100	67.350	51.125	10.180	1.850	0.225	12.750	
31	41.200		59.975	30.000		36.100		54.075		1.550	13.750		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	60.681	28.835	27.448	53.921	34.054	39.131	34.758	62.508	22.625	4.550	0.866	9.755	**31.658**
MAX	200.000	91.625	128.000	139.250	76.925	55.550	67.350	134.750	62.925	10.180	13.750	74.050	**200.000**
MIN	23.000	10.180	8.990	23.000	22.000	30.000	18.825	36.100	10.180	0.850	0.075	0.900	**0.075**

CAUDALES MEDIOS (m^3/s) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,994 / 1,995

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	19.100	27.500	8.070	144.160	32.000	20.760	16.395	18.335	16.880	8.460	2.970	2.530	
2	20.700	23.100	8.070	53.120	29.300	19.790	17.365	18.820	15.425	10.060	8.800	2.360	
3	17.500	22.300	6.540	33.970	28.400	19.305	20.275	20.275	14.940	8.120	6.420	2.190	
4	15.270	248.200	6.030	26.600	28.400	20.275	22.215	19.790	14.455	9.640	4.590	2.020	
5	14.640	136.600	5.520	22.300	26.600	35.000	22.700	18.820	13.485	8.800	3.780	2.190	
6	12.750	43.600	6.540	36.110	26.600	77.375	22.215	18.820	13.485	7.440	3.240	2.190	
7	11.490	32.900	5.520	48.360	24.800	40.500	21.245	18.335	13.000	6.420	2.970	2.190	
8	10.860	32.000	7.560	37.180	23.100	31.925	21.245	17.365	11.740	6.080	2.970	2.530	
9	8.580	32.900	5.520	38.250	40.390	27.620	20.275	17.365	13.000	4.860	2.700	2.970	
10	8.580	54.310	5.010	39.320	23.900	25.775	21.245	19.790	12.580	4.860	3.240	3.240	
11	10.230	56.890	6.030	32.900	21.500	28.850	21.245	19.305	10.900	5.130	5.130	3.780	
12	12.120	50.740	7.050	66.620	19.900	33.155	20.760	17.850	8.800	6.420	4.320	6.080	
13	12.750	65.230	6.540	41.460	19.900	32.540	20.760	18.820	8.800	4.590	4.050	8.460	
14	12.120	44.790	5.010	30.200	19.900	31.310	19.790	15.425	8.800	5.130	3.510	7.100	
15	11.490	33.970	3.420	24.800	19.900	26.390	18.335	17.850	8.800	5.400	3.240	6.760	
16	27.500	29.300	2.700	23.900	19.100	23.315	17.365	31.310	8.800	4.320	2.970	5.740	
17	30.200	27.500	0.720	23.900	18.300	21.730	15.425	107.125	8.800	4.320	2.970	6.080	
18	21.500	24.800	0.180	38.250	21.500	20.760	15.910	43.250	7.780	4.050	2.700	19.790	
19	22.300	23.900	0.090	44.790	27.500	21.245	16.880	40.500	8.120	4.860	2.530	18.820	
20	63.840	22.300	0.360	29.300	33.970	21.730	15.910	28.850	10.480	3.780	2.360	16.395	
21	38.250	22.300	0.720	26.600	32.000	21.245	14.940	23.315	10.900	3.510	2.360	19.305	
22	32.000	20.700	27.500	24.800	30.200	19.790	14.455	20.760	10.900	4.590	2.360	14.940	
23	88.220	19.900	9.600	24.800	27.500	19.305	13.485	19.790	10.060	3.780	2.530	11.320	
24	48.360	17.500	8.580	42.530	32.900	19.790	12.580	19.305	9.220	2.700	2.700	9.220	
25	33.970	13.380	8.580	58.280	69.400	19.790	13.485	19.305	8.120	2.530	2.970	8.800	
26	28.400	12.750	9.090	50.740	66.620	19.790	12.160	18.820	7.440	2.530	2.700	7.100	
27	24.800	12.120	9.600	45.980	28.235	20.275	11.740	17.365	7.100	2.530	2.700	7.440	
28	159.320	10.860	9.600	35.040	24.545	20.275	13.485	17.365	6.080	2.970	2.700	7.440	
29	62.450	10.230	10.230	28.400		19.305	16.395	18.820	7.440	2.700	2.700	6.760	
30	42.530	9.090	11.490	40.390		19.790	16.880	18.820	8.120	2.190	2.530	6.760	
31	32.900		88.220	40.390		17.850		17.365		2.190	2.530		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	30.797	39.389	9.345	40.434	29.156	25.695	17.572	23.840	10.482	4.999	3.363	7.417	**20.150**
MAX	159.320	248.200	88.220	144.160	69.400	77.375	22.700	107.125	16.880	10.060	8.800	19.790	**248.200**
MIN	8.580	9.090	0.090	22.300	18.300	17.850	11.740	15.425	6.080	2.190	2.360	2.020	**0.090**

2.2. APORTACIONES MEDIAS DIARIAS

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,980 / 1,981

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.425	2.483	1.232	1.306	1.232	6.677	6.414	2.625	7.202	1.232	0.771	0.397	
2	0.480	1.850	1.306	1.455	1.195	3.553	4.346	2.554	6.152	1.381	2.910	0.342	
3	0.370	1.804	1.306	1.381	1.232	2.483	3.338	2.483	5.047	1.896	1.804	0.287	
4	0.314	1.896	1.158	1.418	1.232	2.129	2.625	2.271	3.660	1.667	1.232	0.259	
5	0.425	1.896	1.158	1.804	1.344	1.896	2.696	2.412	3.124	1.232	1.026	0.207	
6	0.425	1.418	1.092	1.621	1.306	2.412	3.124	1.896	3.017	1.092	0.895	0.156	
7	0.425	1.381	1.026	1.492	1.232	2.910	4.230	2.271	3.124	1.306	0.862	0.078	
8	0.425	1.529	0.994	1.455	1.158	5.170	4.230	3.660	4.230	1.269	1.529	0.078	
9	0.425	9.957	1.026	1.344	1.158	4.925	3.883	7.598	4.693	1.158	0.928	0.104	
10	0.653	5.906	1.125	1.269	1.269	4.462	5.047	9.376	4.346	1.455	0.741	0.156	
11	4.230	3.883	1.195	1.125	1.269	5.047	11.118	5.906	3.553	1.455	0.565	0.156	
12	4.693	7.071	1.092	0.961	1.269	4.693	7.465	4.925	3.124	1.269	0.508	0.104	
13	2.200	9.376	1.092	1.125	1.125	4.809	6.029	4.114	3.231	1.092	0.425	0.104	
14	1.712	4.809	1.195	0.961	1.026	3.017	5.784	3.338	2.696	1.344	0.480	0.130	
15	1.941	3.124	1.529	1.621	0.928	1.987	5.293	3.017	2.625	1.306	0.425	0.130	
16	11.852	2.412	1.529	9.376	0.961	1.621	4.230	4.462	2.625	1.092	0.370	0.156	
17	10.247	2.129	1.026	5.538	1.125	1.455	3.883	3.999	2.129	1.026	0.370	0.156	
18	8.529	2.200	0.961	3.017	0.994	1.344	3.660	3.017	1.850	0.961	0.397	0.130	
19	5.661	2.058	1.575	2.129	0.895	1.455	3.124	3.999	1.381	0.800	0.397	0.130	
20	3.553	1.804	11.118	2.483	0.895	1.418	3.231	5.538	1.232	0.771	0.370	0.130	
21	3.231	1.621	5.416	9.957	0.895	1.195	2.696	5.661	1.195	0.741	0.370	0.130	
22	3.553	1.455	3.231	8.396	0.829	1.492	2.803	4.693	1.195	0.800	0.314	0.314	
23	3.767	1.418	2.271	5.661	0.771	1.667	2.910	3.767	1.195	0.829	0.314	1.232	
24	6.677	1.232	1.896	3.446	0.771	3.231	3.124	4.462	1.092	0.829	0.287	0.829	
25	9.231	1.306	1.621	2.412	0.928	5.293	2.696	6.152	0.961	0.771	0.287	0.712	
26	5.416	1.232	1.621	1.941	0.829	7.465	2.696	5.047	1.232	0.741	0.259	3.124	
27	4.925	1.232	1.667	1.804	1.455	6.152	2.625	3.124	1.381	0.712	0.287	4.809	
28	3.767	1.381	1.344	1.712	4.925	6.940	2.412	2.554	2.554	0.771	0.207	2.910	
29	3.338	1.758	1.306	1.758		11.118	2.554	2.271	1.712	0.771	0.259	2.058	
30	2.910	1.667	1.381	1.667		7.731	2.696	2.625	1.381	0.862	0.287	1.667	
31	2.910		1.344	1.381		6.546		5.170		0.771	0.259		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	3.507	2.776	1.833	2.678	1.223	3.945	4.032	4.032	2.765	1.077	0.650	0.706	**2.444**
MAX	11.852	9.957	11.118	9.957	4.925	11.118	11.118	9.376	7.202	1.896	2.910	4.809	**11.852**
MIN	0.314	1.232	0.961	0.961	0.771	1.195	2.412	1.896	0.961	0.712	0.207	0.078	**0.078**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,981 / 1,982

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.455	1.896	0.508	6.910	2.948	5.131	1.916	2.207	2.948		1.136	1.165	
2	1.667	1.667	1.125	5.042	2.948	4.026	2.154	1.877	2.877	1.279	1.136	1.165	
3	1.804	1.621	0.800	4.194	2.948	3.549	1.956	2.207	3.019		1.136	1.108	
4	3.883	1.232	0.771	4.194	2.594	3.090	1.916	3.231	4.194		1.165	1.108	
5	1.896	1.026	0.712	3.867	2.470	3.090	2.877	4.110	3.090		1.108	1.165	
6	1.381	0.961	0.712	3.708	2.365	2.948	3.867	3.019	2.806	1.311	1.079	1.108	
7	1.092	0.829	0.683	5.943	2.365	2.523	3.390	2.417	2.665		0.994	1.108	
8	0.961	0.829	0.683	5.848	2.312	2.365	3.390	1.996	2.735		1.022	1.079	
9	0.829	0.624	0.683	4.026	2.312	2.312	3.708	1.837	2.470	1.279	1.051	1.079	
10	0.712	0.741	0.928	3.390	2.101	2.154	3.549	1.757	2.665		1.022	1.051	
11	0.653	0.653	1.455	4.026	1.996	2.101	3.390	1.996	3.311		1.022	1.051	
12	0.928	0.594	24.494	3.867	1.916	2.523	3.390	2.049	4.110		1.022	1.051	
13	2.200	0.594	23.172	3.231	1.877	2.523	3.947	2.417	4.864	1.343	0.994	1.051	
14	1.804	0.594	23.393	2.948	1.996	2.207	4.026	2.523	4.278	1.222	1.051	1.022	
15	1.381	0.480	6.508	2.806	1.837	2.154	2.948	2.806	2.948	1.165	1.022	0.994	
16	1.158	0.480	20.503	2.735	2.417	2.101	2.417	3.231	2.665	1.165	1.051	0.994	
17	0.994	0.425	5.398	2.806	2.417	2.049	2.523	3.231	2.365	1.534	1.051	0.994	
18	0.895	0.425	5.848	2.806	2.259	2.101	1.916	3.867	2.948	1.222	1.022	0.994	
19	0.741	0.397	3.867	2.594	2.523	2.101	1.956	4.361		1.108	1.022	0.994	
20	0.683	0.425	2.470	2.523	2.594	3.708	2.417	3.629		1.108	1.022	0.994	
21	0.683	0.342	2.207	2.259	2.417	3.390	2.665	3.629	1.757	1.165	1.311	1.022	
22	0.683	0.370	2.594	2.154	4.529	5.754	2.806	3.470		1.108	1.165	1.022	
23	0.712	0.314	5.220	2.207	4.026	4.361	2.948	3.090		1.051	1.279	1.079	
24	0.594	0.342	11.420	2.417	3.311	3.019	3.090	3.311		1.051	1.222	1.079	
25	0.594	0.342	5.754	3.090	3.161	2.523	2.806	3.090	1.598	1.022	1.108	1.051	
26	1.026	0.342	4.361	2.470	3.231	2.101	2.365	3.090		1.051	1.051	3.231	
27	0.565	0.425	3.629	3.629	4.361	1.996	1.916	3.161		1.051	2.594	2.312	
28	1.987	0.425	5.220	3.390	6.696	1.996	1.996	2.594		1.051	2.259	1.407	
29	1.850	0.397	7.660	1.534		1.916	2.207	2.948		1.022		1.136	
30	1.492	0.370	10.036	2.806		1.916	2.207	3.549	1.407	1.051		3.549	
31	1.381		10.308	2.948		1.916		3.708		1.311	1.165		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	1.248	0.672	6.230	3.431	2.819	2.763	2.755	2.916	2.939	1.167	1.182	1.272	**2.481**
MAX	3.883	1.896	24.494	6.910	6.696	5.754	4.026	4.361	4.864	1.534	2.594	3.549	**24.494**
MIN	0.565	0.314	0.508	1.534	1.837	1.916	1.916	1.757	1.407	1.022	0.994	0.994	**0.314**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,982 / 1,983

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	2.049	1.678	0.653	2.058	1.059	4.230	2.058	5.416	4.925	1.381	0.287	3.338	
2	1.407	1.534	0.565	1.896	1.092	3.446	1.987	4.114	3.767	1.306	0.314	1.712	
3	1.165	1.598	0.594	1.712	1.026	2.696	1.712	3.338	3.338	1.306	0.314	1.195	
4	1.108	1.471	0.536	1.712	0.928	2.483	1.621	3.338	3.553	1.712	0.314	0.712	
5	1.108	1.279	0.480	1.667	1.026	2.341	1.529	4.346	3.767	1.381	0.314	0.653	
6	1.279	1.279	0.480	1.575	1.158	2.271	1.621	4.925	3.999	1.455	0.314	0.653	
7	3.549	16.243	1.850	1.529	1.455	2.058	1.758	5.784	3.999	1.455	0.314	0.480	
8	2.207	14.861	2.625	1.492	1.158	1.987	1.987	5.538	4.462	1.381	0.314	0.342	
9	1.956	7.864	4.925	1.455	1.092	1.941	2.696	4.230	3.767	1.232	0.314	0.314	
10	2.101	3.124	2.129	1.455	1.026	2.129	3.553	4.462	3.553	0.994	0.314	0.287	
11	2.523	1.758	2.554	1.529	0.961	2.129	3.017	3.767	3.338	1.026	0.314	0.287	
12	2.312	1.195	12.621	1.455	0.829	1.987	2.271	4.577	2.910	1.026	0.314	0.314	
13	9.901	4.462	7.997	1.344	0.771	1.941	1.758	9.957	2.554	0.961	0.314	0.314	
14	9.087	3.124	4.577	1.306	0.712	2.200	1.621	7.465	2.129	0.829	0.287	0.314	
15	4.361	2.271	3.124	1.125	0.712	2.341	1.529	5.906	4.693	0.771	0.287	0.314	
16	3.019	2.129	6.152	1.381	0.683	2.129	1.758	4.693	1.804	0.624	0.565	0.287	
17	2.417	2.910	5.170	1.344	0.683	1.850	2.058	3.767	1.712	0.536	0.536	0.259	
18	2.101	2.271	4.114	1.232	0.712	1.804	4.577	2.910	1.621	0.594	0.314	0.259	
19	4.026	1.712	3.017	1.306	0.829	1.896	6.546	2.554	1.381	0.594	0.287	0.259	
20	3.390	1.529	4.230	1.158	0.895	1.896	3.446	2.483	1.306	0.594	0.565	0.259	
21	3.090	1.344	5.416	1.092	1.026	1.941	7.334	2.803	1.232	0.565	0.397	0.314	
22	3.090	1.232	3.446	1.026	1.306	2.129	4.462	2.341	1.195	0.536	0.771	0.287	
23	3.390	1.092	2.696	0.961	4.462	1.941	4.925	2.271	1.195	0.536	1.158	0.259	
24	4.697	1.381	3.017	0.928	5.661	1.941	4.230	2.129	1.195	0.397	0.741	0.233	
25	3.708	1.381	5.906	0.961	10.973	1.712	8.941	1.896	1.455	0.370	0.565	0.233	
26	4.194	1.195	4.462	0.961	17.798	1.621	4.925	1.987	2.483	0.370	0.594	0.233	
27	3.549	0.994	4.462	0.961	8.396	1.712	3.883	1.987	2.554	0.370	0.508	0.259	
28	2.735	0.862	3.883	1.158	5.538	1.804	3.446	2.129	1.667	0.370	0.712	0.259	
29	2.207	0.712	3.124	1.092		1.758	3.124	2.271	1.529	0.370	0.508	0.259	
30	1.956	0.683	2.554	1.232		1.712	3.231	2.803	1.455	0.314	0.536	0.259	
31	1.797		2.271	1.232		1.529		3.999		0.259	1.306		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	3.080	2.839	3.536	1.333	2.642	2.115	3.253	3.877	2.618	0.826	0.474	0.505	**2.255**
MAX	9.901	16.243	12.621	2.058	17.798	4.230	8.941	9.957	4.925	1.712	1.306	3.338	**17.798**
MIN	1.108	0.683	0.480	0.928	0.683	1.529	1.529	1.896	1.195	0.259	0.287	0.233	**0.233**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,983 / 1,984

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.259	0.259	1.195	1.712	1.804	1.026	11.553	5.170	3.660	3.446	0.895	0.259	
2	0.259	0.259	1.059	1.529	2.910	0.895	6.029	7.598	5.170	3.124	0.683	0.259	
3	0.259	0.259	0.895	1.455	2.696	0.895	4.114	4.809	6.414	2.483	0.480	0.287	
4	0.259	0.259	0.712	1.344	5.170	0.800	3.124	3.553	7.598	2.271	0.425	0.314	
5	0.259	0.259	0.624	1.158	4.230	0.712	3.553	3.124	10.392	2.058	0.453	0.314	
6	0.259	0.259	0.624	1.158	2.803	0.653	3.231	6.283	7.334	1.941	0.397	0.314	
7	0.259	0.287	0.508	1.529	2.200	0.800	2.483	7.465	5.538	1.896	0.370	0.370	
8	0.259	0.370	0.536	1.850	4.809	0.928	2.271	4.925	4.925	1.941	0.342	0.397	
9	0.259	0.342	0.565	1.492	6.546	0.961	2.271	4.114	4.809	2.129	0.342	0.370	
10	0.259	0.829	0.480	1.306	3.017	0.928	2.271	3.446	4.925	2.200	0.314	0.397	
11	0.259	1.712	0.508	1.232	1.987	0.895	2.483	2.910	4.693	1.987	0.314	0.425	
12	0.259	1.125	0.480	1.092	1.712	0.800	2.554	2.483	5.047	1.804	0.314	0.425	
13	0.259	0.862	0.508	1.125	1.621	0.712	2.696	2.129	5.293	1.529	0.314	0.425	
14	0.259	0.653	0.453	1.232	1.455	0.961	3.124	1.987	5.784	1.455	0.314	0.425	
15	0.259	1.621	0.536	1.195	1.381	1.232	2.625	2.058	5.906	1.232	0.314	0.425	
16	0.259	1.896	0.800	1.158	1.306	1.306	2.058	1.896	6.414	1.125	0.314	0.397	
17	0.259	1.712	1.026	1.092	1.195	1.158	1.804	1.804	5.906	1.092	0.314	0.370	
18	0.259	1.381	1.059	1.026	1.232	1.092	1.804	4.462	5.784	0.961	0.287	0.370	
19	0.259	1.092	3.124	1.232	1.232	1.059	2.129	4.693	5.661	0.961	0.287	0.480	
20	0.259	0.829	1.667	1.712	1.232	1.026	2.554	3.124	7.465	1.092	0.287	0.594	
21	0.259	1.418	2.910	1.804	1.158	1.306	3.124	2.554	6.940	1.125	0.287	0.480	
22	0.259	1.381	2.412	2.910	1.125	1.306	3.660	2.341	5.661	0.928	0.287	0.480	
23	0.259	1.418	6.283	3.338	1.232	1.381	3.999	2.129	5.293	0.800	1.125	0.536	
24	0.259	1.092	3.553	5.906	1.158	1.306	3.999	3.338	4.230	0.895	1.232	1.026	
25	0.259	0.862	2.200	3.446	1.158	3.999	4.462	5.538	4.230	0.829	0.961	1.418	
26	0.259	0.712	1.758	2.625	0.928	2.341	4.462	6.152	3.767	0.712	0.594	1.306	
27	0.259	0.653	1.667	2.200	0.895	1.804	3.999	5.906	4.230	0.741	0.480	1.529	
28	0.259	0.928	1.896	1.804	0.961	3.767	3.660	4.462	4.577	0.536	0.397	1.455	
29	0.287	1.195	2.412	1.621	0.994	6.414	3.553	3.660	3.767	0.480	0.314	5.047	
30	0.314	1.306	1.941	1.492		3.124	3.767	3.553	3.124	0.453	0.287	2.803	
31	0.314		1.804	1.529		2.554		3.338		0.536	0.370		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	0.264	0.908	1.490	1.784	2.074	1.553	3.447	3.903	5.485	1.444	0.455	0.790	**1.958**
MAX	0.314	1.896	6.283	5.906	6.546	6.414	11.553	7.598	10.392	3.446	1.232	5.047	**11.553**
MIN	0.259	0.259	0.453	1.026	0.895	0.653	1.804	1.804	3.124	0.453	0.287	0.259	**0.259**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,984 / 1,985

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.987	0.928	5.822	1.804	3.204	2.333	2.333	3.629	5.288	1.966	1.627	1.591	
2	2.554	0.895	3.629	1.839	3.133	2.803	2.920	3.791	5.118	2.058	1.627	1.591	
3	3.231	2.271	2.991	1.839	3.133	2.392	3.204	4.035	5.288	2.058	1.627	1.591	
4	3.231	1.712	2.862	1.804	3.062	2.392	3.487	3.487	6.272	2.195	1.627	1.591	
5	6.152	2.271	2.627	1.804	3.204	2.287	5.822	3.062	6.460	1.966	1.627	1.591	
6	5.047	2.625	2.392	1.804	2.685	2.241	5.288	2.803	6.178	1.875	1.627	1.591	
7	3.553	2.554	2.195	1.804	2.685	2.104	4.116	2.568	5.203	1.875	1.627	1.591	
8	2.341	22.952	2.104	1.804	3.487	1.966	10.238	2.803	3.872	1.875	1.591	1.591	
9	2.341	42.301	2.012	1.804	3.954	1.966	9.590	2.568	3.204	1.839	1.591	1.591	
10	2.554	11.837	1.966	1.804	4.780	1.921	6.089	2.509	3.062	1.839	1.591	1.591	
11	2.412	7.320	1.921	1.733	4.441	1.921	4.526	2.333	3.133	1.804	1.591	1.591	
12	1.987	4.949	1.921	1.769	10.238	1.875	3.954	2.287	3.275	1.733	1.591	1.591	
13	1.804	3.872	1.921	1.769	8.536	1.875	3.558	2.241	3.791	1.733	1.591	1.591	
14	1.621	4.279	2.058	1.769	6.089	1.804	3.345	2.195	4.360	1.733	1.591	1.591	
15	1.455	4.279	1.966	1.769	6.554	1.804	2.920	2.241	3.954	1.733	1.591	1.591	
16	1.381	11.595	1.921	1.769	5.822	1.804	2.803	4.610	3.133	1.733	1.591	1.591	
17	1.306	5.377	1.875	1.769	6.272	1.839	2.920	4.360	3.062	1.733	1.591	1.591	
18	1.195	4.116	2.012	1.839	5.822	1.839	3.345	3.558	2.803	1.698	1.591	1.591	
19	1.381	6.000	2.058	1.875	4.360	1.875	3.629	3.416	2.991	1.698	1.591	1.591	
20	1.092	6.931	1.966	1.875	3.629	1.875	3.629	3.791	2.920	1.698	1.591	1.591	
21	2.129	4.780	3.487	2.920	3.275	2.150	3.791	4.279	2.568	1.662	1.591	1.591	
22	1.621	4.695	3.629	11.242	2.920	3.558	3.487	4.116	2.568	1.662	1.591	1.591	
23	1.344	5.118	2.509	13.074	2.744	3.275	3.791	5.203	2.450	1.662	1.591	1.591	
24	1.158	4.610	2.150	6.554	2.627	2.568	3.710	5.911	2.241	1.662	1.591	1.591	
25	1.125	4.116	1.875	4.441	2.509	2.287	3.204	5.288	2.287	1.662	1.591	1.591	
26	2.200	3.954	1.839	5.644	2.392	2.241	3.275	5.822	2.241	1.662	1.591	1.591	
27	1.896	3.275	1.804	4.441	2.287	2.195	3.204	6.931	2.287	1.662	1.591	1.591	
28	1.529	2.862	1.875	3.791	2.241	2.150	3.204	6.178	2.195	1.627	1.591	1.591	
29	1.232	2.568	1.875	3.629		2.058	2.920	5.034	2.058	1.627	1.591	1.591	
30	1.158	2.450	1.839	3.954		2.058	3.275	4.441	1.966	1.627	1.591	1.591	
31	1.125		1.804	3.487		2.058		4.949		1.627	1.591		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	2.101	6.250	2.352	3.201	4.146	2.178	4.053	3.885	3.541	1.774	1.599	1.591	**3.038**
MAX	6.152	42.301	5.822	13.074	10.238	3.558	10.238	6.931	6.460	2.195	1.627	1.591	**42.301**
MIN	1.092	0.895	1.804	1.733	2.241	1.804	2.333	2.195	1.966	1.627	1.591	1.591	**0.895**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,985 / 1,986

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.591	1.521	1.492	1.662	1.804	4.695	2.333	2.243	2.103	0.524	0.228		
2	1.591	1.521	1.464	2.104	1.839	4.360	2.685	3.019	1.963	0.484	0.228		
3	1.556	1.556	1.464	2.150	2.058	5.034	3.791	6.225	2.103	0.603	0.228		
4	1.521	1.591	1.492	2.058	1.875	4.780	3.204	4.864	2.243	0.524	0.228		
5	1.521	1.698	1.464	1.875	1.804	4.116	2.568	3.470	1.963	0.444	0.228		
6	1.521	3.062	1.492	1.921	1.804	3.954	4.780	3.788	2.523	0.404	0.228		
7	1.521	6.089	1.521	1.804	1.804	3.629	4.864	4.445	1.893	0.404	0.228		
8	1.521	3.629	1.521	1.733	1.875	3.204	3.791	3.708	1.574	0.325	0.228		
9	1.521	2.241	1.521	1.662	1.804	2.685	3.062	3.788	1.512	0.285	0.228		
10	1.521	1.769	1.521	1.769	1.698	2.509	2.685	5.309	1.574	0.285	0.228		
11	1.521	1.662	1.464	1.769	1.698	2.287	2.568	6.037	1.761	0.285	0.228		
12	1.521	4.360	1.464	2.150	1.733	2.195	2.392	7.125	1.761	0.285	0.228		
13	1.521	4.360	1.435	2.104	1.698	2.287	2.195	8.951	1.761	0.444	0.228		
14	1.521	2.392	1.435	1.966	1.804	2.150	2.012	8.596	1.450	0.285	0.228		
15	1.521	1.875	1.435	2.333	2.012	2.104	1.966	6.225	1.388	0.285	0.228		
16	1.521	1.698	1.435	3.204	2.241	2.150	1.875	6.225	1.450	0.257	0.228		
17	1.521	1.662	1.492	2.450	6.743	2.150	1.875	6.803	1.325	0.257	0.228		
18	1.556	1.662	1.435	1.921	5.555	2.104	1.875	7.660	1.201	0.228	0.228	1.313	
19	1.521	1.662	1.435	1.733	4.360	2.058	1.875	7.767	1.201	0.228	0.228	2.333	
20	1.521	1.662	1.464	1.662	3.062	1.966	1.839	8.122	1.201	0.228	0.228	1.251	
21	1.521	1.662	1.435	1.662	3.275	2.012	1.966	7.339	3.090	0.228	0.228	0.725	
22	1.521	1.591	1.435	1.662	3.345	1.921	6.554	5.754	4.529	0.228	0.228	0.543	
23	1.521	1.591	1.521	1.591	4.116	1.966	3.470	6.319	2.523	0.228	0.200	0.456	
24	1.521	1.556	1.556	2.195	6.931	3.204	2.665	5.665	1.761	0.228	0.171	0.499	
25	1.521	1.556	4.441	2.195	5.377	3.954	4.864	5.220	1.388	0.228	0.143	1.188	
26	1.591	1.556	3.345	1.839	4.441	2.862	5.131	5.042	1.149	0.228	0.086	1.689	
27	1.591	1.556	2.150	2.287	4.116	2.333	3.549	4.864	1.097	0.228	0.057	1.814	
28	1.591	1.556	2.195	2.450	4.279	2.920	2.806	4.110	0.942	0.228		1.034	
29	1.591	1.464	3.558	2.241		2.685	2.243	3.231	0.643	0.228		0.725	
30	1.556	1.492	2.104	1.966		2.333	2.103	2.383	0.643	0.228		0.587	
31	1.521		1.769	1.921		2.058		2.173		0.228			
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	1.538	2.108	1.773	2.001	3.041	2.860	2.986	5.370	1.724	0.309	0.210	1.089	**2.148**
MAX	1.591	6.089	4.441	3.204	6.931	5.034	6.554	8.951	4.529	0.603	0.228	2.333	**8.951**
MIN	1.521	1.464	1.435	1.591	1.698	1.921	1.839	2.173	0.643	0.228	0.057	0.456	**0.057**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,986 / 1,987

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.499	0.412	1.085			4.927	1.752	3.009	1.313	0.880	0.777	0.238	
2	0.368	0.368	0.982		2.333	4.035	2.160		1.439	0.828	0.630	0.281	
3	0.368	0.325	0.931	1.501		3.780	7.599		1.439	0.777	0.587	0.281	
4	0.828	0.238	0.828		3.560	3.009	4.800	2.246	1.501	0.725	0.456	0.281	
5	0.725	0.325	0.777	1.188	2.419	2.419	3.339		1.501	0.674	0.412	0.325	
6	2.333	0.238	0.674			2.074	3.560	1.752	1.439	0.777	0.412	0.281	
7	1.814	0.212	0.587		1.987	2.074	11.642		1.501	1.034	0.412	0.212	
8	1.313	0.160	0.587	0.777		1.987	30.319		1.564	1.034	0.368	0.186	
9	0.982	0.160	1.376		4.800	2.074	18.500	2.160	1.313	0.777	0.325	0.186	
10	0.674	0.160	1.034	0.931		2.419	10.670		1.034	0.630	0.325	0.186	
11	0.543	0.212	0.777		3.009	2.160	6.964	2.074	0.880	0.587	0.325	0.186	
12	0.543	0.212	0.674	0.674	2.678	1.814	5.819		0.880	0.587	0.325	0.186	
13	0.630	0.160	0.674		2.074	1.626	5.819		1.034	0.674	0.281	0.186	
14	0.931	0.499			2.074	1.376	4.417	1.987	1.085	0.630	0.238	0.186	
15	0.880	11.837	0.674		2.074	0.931	3.780	1.439	1.564	0.725	0.238	0.134	
16	0.880	11.059			2.074	0.931	3.780		1.439	0.982	0.238	0.134	
17	0.982	5.309		0.630	1.752	0.982	4.035		1.085	2.592	0.238	0.108	
18	0.982	3.339	0.725		1.626	0.880	4.035	1.251	0.880	3.339	0.238	0.091	
19	0.982	2.419		0.587	1.439	0.880	4.035		0.828	2.160	0.238	0.091	
20	0.828	1.814	1.137	0.674	1.251	0.543	4.290		1.752	1.439	0.238	0.091	
21	0.725	0.880			1.085	0.368	4.035	1.085	1.689	1.137	0.325	0.134	
22	0.725	2.074	1.137	0.630	1.034	0.281	4.417	1.251	1.251	0.931	0.325	0.134	
23	0.725	2.678			0.931	0.325		1.564	1.137	0.982	0.456	0.160	
24	0.828	3.339		0.880	0.931	0.630	4.290	2.160	1.034	7.599	0.281	0.186	
25	0.674	3.780			1.137	0.880		2.074	0.931	4.290	0.325	0.186	
26	0.674	2.789	0.674	0.880	1.814	0.931		1.987	0.828	2.419	0.325	0.212	
27	0.725	2.246			1.752	0.828	3.450	1.987	0.777	1.689	0.325	0.543	
28	0.725	1.752			3.907	0.587		1.626	0.777	1.313	0.325	0.587	
29	0.587	1.376		5.054		0.725	3.339	1.313	0.931	1.085	0.325	0.543	
30	0.543	1.313				1.085		1.188	0.880	1.034	0.281	0.499	
31	0.499			3.450		1.626		1.313		0.828	0.212		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	0.823	2.056	0.852	1.373	2.076	1.587	6.434	1.761	1.190	1.457	0.348	0.234	**1.636**
MAX	2.333	11.837	1.376	5.054	4.800	4.927	30.319	3.009	1.752	7.599	0.777	0.587	**30.319**
MIN	0.368	0.160	0.587	0.587	0.931	0.281	1.752	1.085	0.777	0.587	0.212	0.091	**0.091**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,987 / 1,988

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.412	1.814	0.777	1.313	8.035	1.542	2.050	3.475	2.808	15.828	0.575	0.130	
2	1.439	1.501	0.777	1.188	8.238	1.542	1.845	4.699	3.475	5.183	0.575	0.238	
3	10.282	1.376	1.085	1.376	5.783	1.482	1.966	4.254	3.253	4.254	0.743	0.333	
4	8.551	1.137	7.599	1.752	5.033	1.421	4.810	3.920	4.143	3.364	0.639	0.302	
5	5.692	1.085	11.642	1.564	6.534	1.361	3.253	4.477	3.475	6.684	0.575	0.281	
6	8.869	0.982	5.437	1.564	11.893	1.279	5.333	4.922	2.303	5.033	0.484	0.259	
7	4.927	0.880	3.780	1.814	10.269	1.197	3.698	5.783	1.966	3.364	0.484	0.194	
8	3.339	0.880	3.009	1.689	6.834	1.724	3.253	6.084	1.966	2.640	0.484	0.151	
9	2.333	0.777	2.506	2.678	13.029	1.603	4.365	4.699	3.809	2.303	0.514	0.151	
10	20.864	1.137	2.333	2.419	8.847	1.421	3.475	4.365	4.477	2.050	0.454	0.130	
11	9.028	1.564	2.160	2.074	6.084	1.361	3.253	4.032	3.920	1.784	0.423	0.130	
12	4.417	1.376	3.009	1.901	5.934	1.320	16.295	4.143	3.253	1.724	0.393	0.130	
13	3.229	1.251	3.560	1.752	4.699	1.421	8.441	5.934	2.808	1.603	0.333	0.151	
14	2.333	2.678	5.437	2.160	4.143	1.542	6.234	5.033	6.684	1.482	0.333	0.130	
15	13.392	1.987	4.035	2.160	5.483	1.603	5.633	5.333	5.783	1.320	0.302	0.173	
16	16.848	1.752	3.560	5.437	3.809	1.845	10.066	4.699	13.729	1.197	0.302	0.238	
17	9.186	1.901	3.560	5.054	3.475	4.254	10.269	4.810	8.644	1.115	0.302	0.216	
18	4.800	1.689	3.339	4.035	3.253	5.934	7.285	5.033	5.934	1.074	0.281	0.333	
19	3.229	1.439	3.339	3.229	3.030	4.810	15.362	5.033	4.922	1.115	0.216	0.302	
20	2.506	1.251	2.789	3.339	3.030	4.143	14.429	4.032	4.032	1.115	0.216	0.281	
21	3.229	1.188	2.419	2.899	2.919	3.698	7.885	3.698	3.587	1.032	0.238	0.281	
22	2.506	1.034	2.333	5.054	2.640	3.475	6.834	3.809	3.475	0.916	0.216	0.333	
23	4.162	1.034	2.160	10.087	2.555	2.724	10.269	5.483	3.253	0.847	0.194	0.281	
24	3.780	1.034	1.987	6.329	2.555	2.640	7.435	4.810	3.475	0.991	0.194	0.259	
25	2.678	1.034	1.814	13.198	2.303	2.919	5.783	4.254	3.030	1.115	0.173	0.238	
26	2.246	1.034	1.689	8.551	2.134	3.364	5.033	4.254	2.555	0.916	0.173	0.194	
27	1.752	0.982	1.564	6.201	1.905	3.030	4.699	3.475	2.919	0.881	0.173	0.173	
28	7.440	0.931	1.439	8.869	1.784	2.471	4.032	3.030	3.030	0.847	0.173	0.151	
29	4.290	0.828	1.439	24.367	1.603	2.303	4.032	3.030	3.253	0.778	0.151	0.151	
30	3.119	0.725	1.376	12.563		2.387	3.698	3.475	4.477	0.708	0.130	0.194	
31	2.333		1.313	7.435		2.218		2.919		0.605	0.130		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	5.587	1.276	3.009	4.969	5.098	2.388	6.367	4.419	4.148	2.383	0.341	0.217	**3.344**
MAX	20.864	2.678	11.642	24.367	13.029	5.934	16.295	6.084	13.729	15.828	0.743	0.333	**24.367**
MIN	0.412	0.725	0.777	1.188	1.603	1.197	1.845	2.919	1.966	0.605	0.130	0.130	**0.130**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,988 / 1,989

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.216	0.333	0.333	0.423	0.194	3.253	1.421	2.555	3.364	0.484	0.130	0.086	
2	0.151	0.333	0.363	0.393	0.238	4.032	1.320	2.640	2.471	0.484	0.130	0.108	
3	0.151	0.302	0.575	0.393	0.216	4.699	1.482	3.030	1.966	0.423	0.086	0.108	
4	0.151	0.302	0.674	0.363	0.216	4.032	2.218	3.587	1.542	0.423	0.108	0.086	
5	0.130	0.363	0.575	0.423	0.216	4.365	1.905	3.920	1.320	0.393	0.302	0.086	
6	0.130	0.281	0.605	0.423	0.216	4.032	1.663	4.365	1.279	0.363	0.363	0.078	
7	0.130	0.281	0.639	0.484	0.173	3.475	1.663	4.588	1.197	0.847	0.302	0.078	
8	0.130	0.281	0.605	0.393	0.173	2.555	3.698	4.365	1.197	0.639	0.333	0.078	
9	0.130	0.991	0.544	0.363	0.173	1.845	4.254	4.588	1.361	0.484	0.216	0.086	
10	0.130	1.279	0.484	0.393	0.173	1.845	6.384	4.477	1.421	0.484	0.950	0.108	
11	0.130	0.847	0.484	0.423	0.194	2.218	4.032	4.477	1.361	0.454	0.881	0.035	
12	0.423	0.708	0.544	0.423	0.216	2.134	5.333	4.143	1.197	0.423	0.605	0.216	
13	0.363	0.605	0.544	0.423	0.173	2.303	5.633	3.364	1.279	0.363	0.363	0.238	
14	0.259	0.544	0.484	0.393	0.173	1.784	3.920	2.724	1.279	0.302	2.919	0.216	
15	0.259	0.544	0.393	0.333	0.173	1.482	3.253	2.555	1.197	0.302	1.421	0.216	
16	0.423	0.484	0.363	0.302	0.194	1.320	5.333	2.640	1.074	0.259	0.743	0.173	
17	0.639	0.484	0.363	0.363	0.194	1.238	4.699	2.640	0.991	0.259	0.605	0.130	
18	2.050	0.484	0.363	0.302	0.194	1.115	4.810	2.471	0.950	0.216	0.393	0.086	
19	3.253	0.454	0.363	0.281	0.194	0.991	4.810	2.640	0.950	0.194	0.423	0.130	
20	3.253	0.393	0.363	0.259	0.259	0.881	4.588	3.142	1.032	0.173	0.363	0.238	
21	1.542	0.302	0.484	0.333	0.216	0.916	3.920	4.143	0.950	0.151	0.393	0.259	
22	1.115	0.302	0.484	0.302	0.216	0.991	3.253	3.364	0.881	0.130	0.259	0.333	
23	0.847	0.302	0.484	0.259	0.259	1.115	2.919	2.724	0.812	0.151	0.259	0.950	
24	0.708	0.302	0.454	0.281	0.423	0.991	2.555	2.724	0.778	0.333	0.216	0.639	
25	0.639	0.333	0.393	0.238	0.916	0.950	4.143	2.471	0.674	0.363	0.173	0.454	
26	0.639	0.302	0.393	0.259	1.724	1.074	5.183	1.966	0.575	0.259	0.151	0.423	
27	0.575	0.302	0.363	0.259	0.881	1.320	3.253	2.050	0.639	0.216	0.173	0.259	
28	0.454	0.302	0.423	0.216	0.881	1.784	2.919	2.050	0.605	0.173	0.130	0.333	
29	0.423	0.302	0.423	0.216		1.724	2.808	3.698	0.575	0.130	0.108	0.302	
30	0.544	0.302	0.423	0.194		1.542	2.555	3.920	0.514	0.130	0.086	0.302	
31	0.363		0.423	0.194		1.482		4.365		0.108	0.086		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	0.656	0.445	0.465	0.333	0.338	2.048	3.531	3.303	1.181	0.326	0.441	0.228	**1.112**
MAX	3.253	1.279	0.674	0.484	1.724	4.699	6.384	4.588	3.364	0.847	2.919	0.950	**6.384**
MIN	0.130	0.281	0.333	0.194	0.173	0.881	1.320	1.966	0.514	0.108	0.086	0.035	**0.035**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,989 / 1,990

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.194	0.484	1.279	0.991	1.197	1.905	0.743	2.303	1.724	0.812	0.363	0.544	
2	0.173	0.393	1.197	0.950	1.156	1.603	0.743	2.134	1.724	0.743	0.302	0.363	
3	0.216	0.363	1.074	0.916	1.115	1.320	0.743	2.134	1.663	0.743	0.514	0.281	
4	0.151	0.544	0.950	0.916	1.115	1.156	0.743	2.050	1.542	0.674	0.393	0.238	
5	0.130	1.197	0.916	0.847	1.032	1.074	0.812	2.640	2.218	0.605	0.302	0.216	
6	0.173	1.361	0.847	0.812	1.032	1.115	2.050	2.303	2.303	0.544	0.259	0.194	
7	0.194	1.421	0.812	0.743	1.279	1.032	3.253	2.134	1.663	0.514	0.238	0.151	
8	0.130	2.808	0.778	0.778	1.238	0.991	2.303	1.966	1.542	0.484	0.238	0.108	
9	0.173	2.134	0.743	0.778	1.421	0.991	1.966	2.303	1.361	0.454	0.238	0.130	
10	0.302	1.603	0.743	0.743	1.482	0.950	1.603	2.471	1.115	0.393	0.238	0.173	
11	0.259	1.421	0.674	0.708	1.320	0.881	1.279	2.640	2.303	0.363	0.216	0.173	
12	0.259	2.808	0.674	0.674	3.920	0.991	2.555	2.303	2.724	0.363	0.194	0.173	
13	0.173	2.555	0.916	0.639	17.888	1.238	2.640	3.142	1.603	0.302	0.216	0.151	
14	0.151	1.663	1.724	0.605	8.238	1.320	1.966	3.142	1.905	0.302	0.216	0.708	
15	0.130	1.361	3.142	0.605	4.477	1.279	1.784	2.555	2.387	0.423	0.216	0.605	
16	0.130	1.197	2.808	0.605	4.032	1.238	1.905	2.555	1.724	0.454	0.173	1.115	
17	0.130	1.197	9.253	0.639	3.253	1.197	1.663	2.471	1.663	0.423	0.151	1.482	
18	0.216	1.966	6.534	0.639	2.555	1.115	1.482	2.555	1.482	0.363	0.238	0.991	
19	0.544	2.134	7.735	0.639	2.218	1.074	1.542	2.640	1.320	0.333	0.238	0.639	
20	0.881	4.922	4.143	0.605	2.050	1.032	2.640	3.030	2.640	0.281	0.130	0.514	
21	0.674	7.585	2.808	0.544	1.966	1.115	1.905	3.364	2.471	0.259	0.108	0.454	
22	0.484	4.477	3.142	0.544	2.134	1.074	1.542	5.934	1.845	0.194	0.086	0.393	
23	0.393	2.808	3.920	0.605	2.134	1.156	1.482	7.285	1.603	0.173	0.086	0.302	
24	0.363	2.134	2.555	0.605	1.966	1.238	1.482	8.644	1.238	0.194	0.108	0.302	
25	0.333	2.134	1.966	0.605	1.724	1.115	1.482	9.050	1.156	0.216	0.151	0.281	
26	0.281	2.471	1.724	0.708	1.603	1.032	1.542	4.588	1.115	0.216	0.151	0.259	
27	0.216	1.603	1.542	0.881	1.542	0.916	1.603	3.364	1.361	0.216	0.130	0.238	
28	0.575	1.603	1.320	1.361	1.905	0.881	1.845	2.724	1.905	0.484	0.108	0.238	
29	1.197	1.482	1.197	1.784		0.812	2.050	2.387	1.156	0.812	0.086	0.216	
30	0.743	1.361	1.115	1.238		0.778	2.303	1.966	0.950	0.544	0.333	0.238	
31	0.575		1.032	1.115		0.743		1.784		0.423	0.743		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	0.340	2.040	2.234	0.801	2.750	1.108	1.722	3.244	1.713	0.429	0.231	0.396	**1.406**
MAX	1.197	7.585	9.253	1.784	17.888	1.905	3.253	9.050	2.724	0.812	0.743	1.482	**17.888**
MIN	0.130	0.363	0.674	0.544	1.032	0.743	0.743	1.784	0.950	0.173	0.086	0.108	**0.086**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,990 / 1,991

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.544	7.435	1.074	6.834	1.361	1.542	1.905	2.919	2.555	0.708	0.086	0.216	
2	0.674	3.809	0.991	4.588	0.812	1.279	1.966	2.808	2.640	0.708	0.086	0.130	
3	0.514	2.808	0.950	3.475	0.778	1.115	2.134	2.303	2.724	0.778	0.173	2.919	
4	0.514	2.303	0.950	2.808	0.743	1.156	1.966	1.905	2.640	0.778	0.194	1.361	
5	0.484	1.784	0.950	2.303	0.708	1.845	1.845	1.784	2.387	0.812	0.151	0.778	
6	0.454	1.603	0.950	1.966	0.674	4.143	1.603	1.724	3.475	0.812	0.086	0.454	
7	0.393	1.361	0.916	1.966	0.674	10.472	1.603	1.663	5.333	0.674	0.069	0.605	
8	0.333	2.471	0.881	2.387	0.743	10.878	2.134	1.603	7.134	0.605	0.052	0.484	
9	0.333	9.660	0.950	2.303	0.743	5.033	2.471	1.603	3.698	0.544	0.043	0.333	
10	0.333	7.735	0.950	2.303	1.361	3.809	1.905	2.471	3.698	0.674	0.043	0.281	
11	0.281	6.534	1.603	3.142	1.238	3.809	2.724	2.808	3.142	0.639	0.060	0.281	
12	0.333	3.920	2.808	4.143	1.074	4.254	2.808	2.218	2.471	0.639	0.108	0.484	
13	0.259	2.919	4.365	3.920	0.991	4.588	3.364	2.919	2.387	0.605	0.173	0.423	
14	0.238	2.303	2.387	3.364	0.950	4.032	2.919	3.698	2.640	0.575	0.130	0.302	
15	0.216	1.784	1.845	3.142	0.881	3.587	2.724	3.920	2.555	0.514	0.086	0.281	
16	0.363	1.603	1.784	2.808	0.812	3.364	5.633	3.809	2.471	0.423	0.069	0.216	
17	0.454	1.421	1.663	2.808	0.812	5.633	8.441	2.724	2.050	0.302	0.060	0.194	
18	0.605	1.279	1.542	2.808	0.812	3.809	5.633	2.640	1.542	0.259	0.052	0.216	
19	0.575	1.238	1.421	2.919	0.812	3.030	3.920	2.134	1.279	0.216	0.052	0.238	
20	0.484	1.238	1.320	3.030	0.812	3.920	3.030	1.905	1.197	0.216	0.069	0.194	
21	0.423	1.238	1.238	2.919	0.950	4.477	2.471	2.640	1.238	0.194	0.108	0.173	
22	3.030	1.197	1.197	2.808	1.074	4.810	2.134	3.253	1.482	0.194	0.108	0.173	
23	7.885	1.197	1.156	2.808	0.991	3.587	1.966	3.809	1.542	0.238	0.173	0.086	
24	7.435	1.197	1.156	2.555	1.032	2.724	1.966	5.033	1.361	0.238	0.173	0.086	
25	4.699	1.197	1.156	2.303	1.421	2.218	2.050	4.810	1.238	0.173	0.130	0.086	
26	3.253	1.115	1.156	2.218	1.724	1.905	2.471	3.809	1.197	0.151	0.069	1.156	
27	3.030	1.156	2.387	2.218	1.724	1.784	2.471	3.475	1.156	0.173	0.060	1.320	
28	5.483	1.156	4.365	2.134	1.724	1.603	2.555	3.587	1.115	0.108	0.043	0.950	
29	24.085	1.115	4.032	1.966		1.724	2.919	3.809	0.916	0.086	0.035	2.303	
30	11.081	1.115	6.084	1.724		1.905	2.724	3.475	0.812	0.108	0.035	2.808	
31	7.735		6.384	1.603		1.905		3.030		0.108	0.060		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	2.791	2.563	1.955	2.847	1.015	3.546	2.815	2.913	2.336	0.428	0.092	0.651	**2.003**
MAX	24.085	9.660	6.384	6.834	1.724	10.878	8.441	5.033	7.134	0.812	0.194	2.919	**24.085**
MIN	0.216	1.115	0.881	1.603	0.674	1.115	1.603	1.603	0.812	0.086	0.035	0.086	**0.035**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,991 / 1,992

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	3.142	1.156	2.387	0.708	0.238		1.361	2.919	4.810	5.934	0.393	2.808	
2	2.387	0.991	3.030	0.674	0.238	0.605		4.032	5.633	3.698	0.302	1.724	
3	1.603	1.603	2.471	0.674	0.259			3.030	5.033	2.555	0.302	1.320	
4	1.197	9.863	2.218	0.639	0.259			2.387	3.587	1.905	0.281	1.156	
5	0.881	6.834	1.845	0.575	0.259			2.303	2.808	1.603	0.238	1.074	
6	0.778	4.032	1.603	0.484	0.281		4.588	2.218	2.218	1.784	0.216	0.950	
7	0.812	2.808	1.482	0.484	0.363			2.387	1.905	1.845	0.259	0.812	
8	0.708	2.303	1.320	0.544	0.423			2.555	1.784	1.542	1.482	0.708	
9	0.812	2.050	1.361	0.575	0.423			2.724	1.905	1.320	29.718	1.197	
10	3.030	1.663	1.320	0.743	0.423			2.808	2.640	1.279	6.684	1.238	
11	7.285	1.361	1.279	0.708	0.484		2.808	3.030	2.471	1.320	3.253	1.074	
12	4.143	1.279	1.197	0.605	0.575		3.030	2.919	2.218	1.115	2.218	0.950	
13	2.555	2.808	1.197	0.544	0.916		3.364	2.808	2.134	0.991	1.603	0.881	
14	2.640	6.984	1.197	0.544	1.279			3.253	2.218	0.991	1.320	0.847	
15	2.724	12.563	1.074	0.484	0.991			3.030	1.784	0.881	1.238	0.950	
16	2.218	12.796	0.916	0.454	0.950	0.484		2.808	2.387	0.778	1.238	0.847	
17	1.542	6.684	0.916	0.514	0.881			2.724	2.303	0.847	1.074	0.743	
18	1.279	6.384	0.950	0.454			4.588	2.387	1.784	0.881	0.916	0.708	
19	1.238	7.435	0.916	0.393			4.810	2.387	1.724	0.674	0.881	0.674	
20	1.115	5.783	0.950	0.393			5.033	2.134	1.542	0.544	1.156	0.639	
21	0.991	4.477	1.032	0.393				1.905	1.279	0.605	1.156	0.484	
22	0.847	3.698	1.074	0.393			5.033	1.845	1.156	0.639	1.074	0.514	
23	0.812	2.640	1.156	0.393		0.743	5.934	3.698	1.482	0.544	0.881	0.605	
24	0.778	2.471	1.032	0.393	0.916		6.834	4.588	2.134	0.423	0.778	0.575	
25	0.812	2.303	1.032	0.363			7.134	3.030	2.724	0.393	0.778	0.575	
26	0.916	2.555	0.916	0.363			6.084	2.218	1.845	0.281	0.743	0.674	
27	1.905	2.387	0.881	0.333			6.084	2.218	1.542	0.238	0.708	1.074	
28	2.218	2.218	0.881	0.302			5.934	2.134	1.279	0.393	0.881	5.183	
29	1.905	1.966	0.881	0.281			4.365	2.555	1.845	0.423	0.778	2.808	
30	1.542	2.218	0.708	0.259		0.950	2.919	2.919	2.640	0.544	1.032	1.905	
31	1.238		0.708	0.259				2.471		0.454	1.032		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	1.808	4.144	1.288	0.481	0.564	0.696	4.700	2.723	2.360	1.207	2.084	1.190	**1.972**
MAX	7.285	12.796	3.030	0.743	1.279	0.950	7.134	4.588	5.633	5.934	29.718	5.183	**29.718**
MIN	0.708	0.991	0.708	0.259	0.238	0.484	1.361	1.845	1.156	0.238	0.216	0.484	**0.216**

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,992 / 1,993

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.663	5.276	1.788	1.650	0.785	0.358	0.993	3.780	3.560	0.777	0.019	0.186	
2	1.361	3.870	1.858	1.512	0.785	0.327	1.102	3.560	3.450	0.630	0.186	0.134	
3	1.361	3.490	3.305	1.443	0.785	0.327	0.938	3.560	2.160	0.499	0.039	0.108	
4	4.254	4.281	8.770	1.319	0.785	0.327	0.938	3.450	1.987	0.456	0.022	0.073	
5	24.930	3.973	12.619	1.319	0.785	0.327	1.156	3.670	1.626	0.412	0.019	0.022	
6	19.015	3.397	4.795	1.319	0.697	0.295	1.319	3.780	1.626	0.674	0.017	0.019	
7	8.441	3.212	12.129	1.265	0.609	0.295	1.788	3.450	1.564	0.630	0.015	0.019	
8	5.483	2.843	16.758	1.265	0.609	0.295	2.065	3.229	1.564	0.456	0.009	0.022	
9	5.483	2.454	9.816	1.265	0.565	0.295	1.650	3.009	1.564	0.325	0.019	0.039	
10	8.238	2.298	6.264	1.210	0.565	0.521	1.581	3.450	1.987	0.186	0.039	0.039	
11	6.084	2.143	4.795	1.156	0.565	0.358	1.581	3.670	3.780	0.186	0.039	0.056	
12	4.699	2.220	4.075	1.156	0.565	0.477	1.319	3.560	2.419	0.160	0.039	0.022	
13	3.920	2.220	3.973	1.374	0.521	0.358	1.374	3.450	1.814	0.134	0.039	0.019	
14	3.364	2.609	4.384	1.996	0.477	0.358	1.265	3.119	1.501	0.134	0.022	0.056	
15	3.142	3.212	4.075	1.858	0.477	0.358	1.319	3.119	1.439	0.108	0.015	0.056	
16	3.030	4.795	3.767	1.719	0.565	0.477	1.210	2.678	1.376	0.108	0.015	0.056	
17	14.895	5.996	3.675	1.581	0.565	0.389	1.210	2.419	1.251	0.091	0.019	0.073	
18	7.134	5.876	3.305	1.443	0.565	0.477	1.319	3.450	1.188	0.091	0.022	0.325	
19	5.783	6.130	3.120	1.374	0.565	0.829	1.650	5.692	1.137	0.073	0.019	0.325	
20	6.234	7.335	2.843	1.319	0.521	0.938	2.143	6.074	1.188	0.039	0.017	0.186	
21	5.483	5.636	2.687	1.265	0.477	1.102	1.996	4.927	1.689	0.039	0.017	0.238	
22	5.033	3.973	2.532	1.265	0.433	1.581	2.609	3.780	4.290	0.039	0.186	7.758	
23	7.735	3.397	2.454	1.265	0.433	1.319	2.220	3.339	2.333	0.019	0.006	6.964	
24	8.238	3.027	2.687	1.210	0.358	3.212	5.516	3.670	1.752	0.019	0.015	7.916	
25	6.834	2.687	2.935	1.210	0.327	2.143	4.800	4.672	1.439	0.019	0.160	5.692	
26	5.483	2.532	2.609	1.210	0.477	1.512	5.437	6.646	1.188	0.017	1.085	3.339	
27	5.783	2.454	2.376	1.156	0.389	1.102	4.417	7.599	0.931	0.056	1.439	3.450	
28	5.333	2.298	2.143	1.156	0.389	0.829	3.780	5.946	0.777	0.073	0.982	1.987	
29	21.268	2.065	2.065	1.047		0.741	4.162	4.162	0.982	0.056	0.456	1.689	
30	23.622	1.858	1.927	0.938		0.884	3.907	3.339	0.982	0.056	0.281	1.752	
31	10.879		1.788	0.829		0.884		2.899		0.056	0.186		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	7.878	3.585	4.591	1.326	0.559	0.764	2.226	3.972	1.818	0.214	0.176	1.421	2.394
MAX	24.930	7.335	16.758	1.996	0.785	3.212	5.516	7.599	4.290	0.777	1.439	7.916	24.930
MIN	1.361	1.858	1.788	0.829	0.327	0.295	0.938	2.419	0.777	0.017	0.006	0.019	0.006

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,993 / 1,994

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	2.506	3.009	1.752	8.234	2.592	3.339	3.229	5.692	4.800	0.880	0.091	0.358	
2	5.309	3.119	1.752	5.564	2.592	2.899	3.229	5.819	5.437	0.777	0.186	0.233	
3	5.309	7.916	1.901	5.437	2.333	2.899	2.678	5.564	4.927	0.828	0.186	0.233	
4	7.281	6.074	1.987	7.123	2.678	4.290	2.419	6.646	3.450	0.828	0.160	0.140	
5	5.182	4.290	1.689	5.182	6.646	4.800	3.009	5.946	3.009	0.674	0.056	0.078	
6	5.309	4.927	1.501	12.031	3.907	4.672	2.506	4.417	2.899	0.630	0.073	0.140	
7	5.437	4.800	1.439	8.075	3.119	4.800	3.119	4.672	2.592	0.630	0.039	0.078	
8	5.309	4.417	1.564	5.182	2.678	4.035	4.035	7.123	2.419	0.543	0.017	0.202	
9	4.290	3.560	2.678	4.800	2.678	4.035	2.789	4.672	2.160	0.499	0.017	0.295	
10	4.672	3.009	2.246	8.710	2.333	4.035	2.419	3.670	2.074	0.456	0.019	0.233	
11	8.869	2.678	2.074	6.964	2.246	3.907	2.333	3.670	1.814	0.456	0.039	0.140	
12	17.280	2.506	1.752	6.074	3.560	3.907	2.506	3.907	1.564	0.456	0.022	0.078	
13	9.893	2.160	1.501	6.646	3.670	3.339	2.506	3.119	1.188	0.412	0.019	0.202	
14	10.282	1.901	1.439	5.564	3.907	2.899	2.419	4.927	1.251	0.368	0.017	0.264	
15	6.074	1.814	1.251	4.800	2.678	3.009	2.246	4.162	1.313	0.368	0.015	0.295	
16	4.672	1.814	1.137	4.290	2.333	3.119	1.987	4.800	1.313	0.368	0.013	0.389	
17	5.309	1.689	0.982	3.780	2.074	3.229	1.752	5.309	1.439	0.368	0.015	0.653	
18	5.054	1.564	0.880	3.119	2.074	3.009	1.626	4.290	1.564	0.186	0.017	0.477	
19	4.417	1.501	0.777	2.899	2.074	2.789	1.689	3.560	1.626	0.281	0.011	0.358	
20	3.780	1.376	0.880	2.678	1.901	2.789	1.901	3.670	1.313	0.281	0.006	0.358	
21	3.229	1.313	1.188	2.506	2.333	2.899	2.074	5.819	1.188	0.238	0.006	0.653	
22	2.899	1.137	1.137	2.333	2.074	2.789	2.333	11.642	1.137	0.238	0.009	0.697	
23	2.592	1.137	0.982	1.987	2.333	2.592	4.545	9.504	1.034	0.281	0.006	2.298	
24	2.160	1.085	1.034	1.987	2.899	2.678	4.800	8.234	1.034	0.212	0.013	6.398	
25	1.987	1.085	5.182	2.246	3.009	3.119	3.560	7.281	1.137	0.108	0.013	2.935	
26	2.160	1.034	11.059	2.419	3.339	3.670	2.899	6.201	1.188	0.073	0.015	1.996	
27	2.160	0.982	4.162	2.506	4.417	3.339	3.560	5.182	1.034	0.134	0.015	1.581	
28	5.692	0.982	3.560	2.789	3.907	2.789	4.800	4.417	0.982	0.134	0.009	1.265	
29	5.564	0.880	3.670	3.119		2.899	5.309	4.417	0.880	0.186	0.006	1.156	
30	4.290	0.982	5.182	2.789		3.119	5.819	4.417	0.880	0.160	0.019	1.102	
31	3.560		5.182	2.592		3.119		4.672		0.134	1.188		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	5.243	2.491	2.372	4.659	2.942	3.381	3.003	5.401	1.955	0.393	0.075	0.843	2.735
MAX	17.280	7.916	11.059	12.031	6.646	4.800	5.819	11.642	5.437	0.880	1.188	6.398	17.280
MIN	1.987	0.880	0.777	1.987	1.901	2.592	1.626	3.119	0.880	0.073	0.006	0.078	0.006

APORTACIONES (Hm^3) DEL RÍO ARAGÓN EN COLA DEL EMBALSE DE YESA. EA-170 "YESA C.E."

AÑO HIDROLÓGICO: 1,994 / 1,995

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.650	2.376	0.697	12.455	2.765	1.794	1.417	1.584	1.458	0.731	0.257	0.219	
2	1.788	1.996	0.697	4.590	2.532	1.710	1.500	1.626	1.333	0.869	0.760	0.204	
3	1.512	1.927	0.565	2.935	2.454	1.668	1.752	1.752	1.291	0.702	0.555	0.189	
4	1.319	21.444	0.521	2.298	2.454	1.752	1.919	1.710	1.249	0.833	0.397	0.175	
5	1.265	11.802	0.477	1.927	2.298	3.024	1.961	1.626	1.165	0.760	0.327	0.189	
6	1.102	3.767	0.565	3.120	2.298	6.685	1.919	1.626	1.165	0.643	0.280	0.189	
7	0.993	2.843	0.477	4.178	2.143	3.499	1.836	1.584	1.123	0.555	0.257	0.189	
8	0.938	2.765	0.653	3.212	1.996	2.758	1.836	1.500	1.014	0.525	0.257	0.219	
9	0.741	2.843	0.477	3.305	3.490	2.386	1.752	1.500	1.123	0.420	0.233	0.257	
10	0.741	4.692	0.433	3.397	2.065	2.227	1.836	1.710	1.087	0.420	0.280	0.280	
11	0.884	4.915	0.521	2.843	1.858	2.493	1.836	1.668	0.942	0.443	0.443	0.327	
12	1.047	4.384	0.609	5.756	1.719	2.865	1.794	1.542	0.760	0.555	0.373	0.525	
13	1.102	5.636	0.565	3.582	1.719	2.811	1.794	1.626	0.760	0.397	0.350	0.731	
14	1.047	3.870	0.433	2.609	1.719	2.705	1.710	1.333	0.760	0.443	0.303	0.613	
15	0.993	2.935	0.295	2.143	1.719	2.280	1.584	1.542	0.760	0.467	0.280	0.584	
16	2.376	2.532	0.233	2.065	1.650	2.014	1.500	2.705	0.760	0.373	0.257	0.496	
17	2.609	2.376	0.062	2.065	1.581	1.877	1.333	9.256	0.760	0.373	0.257	0.525	
18	1.858	2.143	0.016	3.305	1.858	1.794	1.375	3.737	0.672	0.350	0.233	1.710	
19	1.927	2.065	0.008	3.870	2.376	1.836	1.458	3.499	0.702	0.420	0.219	1.626	
20	5.516	1.927	0.031	2.532	2.935	1.877	1.375	2.493	0.905	0.327	0.204	1.417	
21	3.305	1.927	0.062	2.298	2.765	1.836	1.291	2.014	0.942	0.303	0.204	1.668	
22	2.765	1.788	2.376	2.143	2.609	1.710	1.249	1.794	0.942	0.397	0.204	1.291	
23	7.622	1.719	0.829	2.143	2.376	1.668	1.165	1.710	0.869	0.327	0.219	0.978	
24	4.178	1.512	0.741	3.675	2.843	1.710	1.087	1.668	0.797	0.233	0.233	0.797	
25	2.935	1.156	0.741	5.035	5.996	1.710	1.165	1.668	0.702	0.219	0.257	0.760	
26	2.454	1.102	0.785	4.384	5.756	1.710	1.051	1.626	0.643	0.219	0.233	0.613	
27	2.143	1.047	0.829	3.973	2.440	1.752	1.014	1.500	0.613	0.219	0.233	0.643	
28	13.765	0.938	0.829	3.027	2.121	1.752	1.165	1.500	0.525	0.257	0.233	0.643	
29	5.396	0.884	0.884	2.454		1.668	1.417	1.626	0.643	0.233	0.233	0.584	
30	3.675	0.785	0.993	3.490		1.710	1.458	1.626	0.702	0.189	0.219	0.584	
31	2.843		7.622	3.490		1.542		1.500		0.189	0.219		
RESUMEN MENSUAL Y ANUAL													
TOT													
MED	2.661	3.403	0.807	3.493	2.519	2.220	1.518	2.060	0.906	0.432	0.291	0.641	**1.741**
MAX	13.765	21.444	7.622	12.455	5.996	6.685	1.961	9.256	1.458	0.869	0.760	1.710	**21.444**
MIN	0.741	0.785	0.008	1.927	1.581	1.542	1.014	1.333	0.525	0.189	0.204	0.175	**0.008**

2.3. DIFERENCIA ENTRE CAUDALES MEDIOS DIARIOS Y CAUDALES ECOLÓGICOS

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,980 / 1,981

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.9	22.2	7.8	8.6	7.8	70.8	57.7	12.4	73.4	8.8	4.9	0.6	
2	1.6	14.9	8.6	10.3	7.3	34.6	33.8	11.6	61.2	10.5	29.7	0.0	
3	0.3	14.4	8.6	9.5	7.8	22.2	22.1	10.7	48.4	16.4	16.9	-0.7	
4	-0.4	15.4	6.9	9.9	7.8	18.1	13.9	8.3	32.4	13.8	10.3	-1.0	
5	0.9	15.4	6.9	14.4	9.1	15.4	14.7	9.9	26.2	8.8	7.9	-1.6	
6	0.9	9.9	6.1	12.3	8.6	21.4	19.7	3.9	24.9	7.1	6.4	-2.2	
7	0.9	9.5	5.4	10.8	7.8	27.2	32.5	8.3	26.2	9.6	6.0	-3.1	
8	0.9	11.2	5.0	10.3	6.9	53.3	32.5	24.4	39.0	9.2	13.7	-3.1	
9	0.9	108.7	5.4	9.1	6.9	50.5	28.4	69.9	44.3	7.9	6.7	-2.8	
10	3.6	61.9	6.5	8.2	8.2	45.1	41.9	90.5	40.3	11.3	4.6	-2.2	
11	45.0	38.4	7.3	6.5	8.2	51.9	112.2	50.4	31.1	11.3	2.5	-2.2	
12	50.3	75.3	6.1	4.6	8.2	47.8	69.9	39.0	26.2	9.2	1.9	-2.8	
13	21.5	102.0	6.1	6.5	6.5	49.2	53.3	29.6	27.4	7.1	0.9	-2.8	
14	15.8	49.2	7.3	4.6	5.4	28.4	50.4	20.6	21.2	10.1	1.6	-2.5	
15	18.5	29.7	11.2	12.3	4.2	16.5	44.8	16.9	20.4	9.6	0.9	-2.5	
16	133.2	21.4	11.2	102.0	4.6	12.3	32.5	33.6	20.4	7.1	0.3	-2.2	
17	114.6	18.1	5.4	57.6	6.5	10.3	28.4	28.3	14.6	6.4	0.3	-2.2	
18	94.7	19.0	4.6	28.4	5.0	9.1	25.9	16.9	11.4	5.6	0.6	-2.5	
19	61.5	17.3	11.7	18.1	3.9	10.3	19.7	28.3	6.0	3.8	0.6	-2.5	
20	37.1	14.4	122.2	22.2	3.9	9.9	20.9	46.1	4.3	3.4	0.3	-2.5	
21	33.4	12.3	56.2	108.7	3.9	7.3	14.7	47.5	3.8	3.1	0.3	-2.5	
22	37.1	10.3	30.9	90.7	3.1	10.8	15.9	36.3	3.8	3.8	-0.4	-0.4	
23	39.6	9.9	19.8	59.0	2.4	12.8	17.2	25.6	3.8	4.1	-0.4	10.3	
24	73.3	7.8	15.4	33.4	2.4	30.9	19.7	33.6	2.6	4.1	-0.7	5.6	
25	102.8	8.6	12.3	21.4	4.2	54.8	14.7	53.2	1.1	3.4	-0.7	4.2	
26	58.7	7.8	12.3	16.0	3.1	79.9	14.7	40.4	4.3	3.1	-1.0	32.2	
27	53.0	7.8	12.8	14.4	10.3	64.7	13.9	18.2	6.0	2.7	-0.7	51.7	
28	39.6	9.5	9.1	13.3	50.5	73.8	11.4	11.6	19.6	3.4	-1.6	29.7	
29	34.6	13.9	8.6	13.9		122.2	13.1	8.3	9.8	3.4	-1.0	19.8	
30	29.7	12.8	9.5	12.8		83.0	14.7	12.4	6.0	4.5	-0.7	15.3	
31	29.7		9.1	9.5		69.3		41.8		3.4	-1.0		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	1	0	0	0	0	0	0	0	0	0	10	21	32
MED	36.6	25.6	14.7	24.5	7.7	39.2	30.2	28.7	22.0	7.0	3.5	4.2	**20.4**
MAX	133.2	108.7	122.2	108.7	50.5	122.2	112.2	90.5	73.4	16.4	29.7	51.7	**133.2**
MIN	-0.4	7.8	4.6	4.6	2.4	7.3	11.4	3.9	1.1	2.7	-1.6	-3.1	**-3.1**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,981 / 1,982

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	12.8	15.4	-0.6	73.5	27.6	52.9	5.7	7.5	24.1		9.2	9.5	
2	15.3	12.8	6.5	51.9	27.6	40.1	8.4	3.7	23.3	9.3	9.2	9.5	
3	16.9	12.3	2.8	42.0	27.6	34.6	6.1	7.5	24.9		9.2	8.8	
4	40.9	7.8	2.4	42.0	23.5	29.3	5.7	19.4	38.5		9.5	8.8	
5	17.9	5.4	1.7	38.3	22.1	29.3	16.8	29.6	25.8		8.8	9.5	
6	12.0	4.6	1.7	36.4	20.9	27.6	28.3	16.9	22.5	9.7	8.5	8.8	
7	8.6	3.1	1.4	62.3	20.9	22.7	22.7	10.0	20.8		7.5	8.8	
8	7.1	3.1	1.4	61.2	20.3	20.9	22.7	5.1	21.7		7.8	8.5	
9	5.6	0.7	1.4	40.1	20.3	20.3	26.4	3.3	18.6	9.3	8.2	8.5	
10	4.2	2.1	4.2	32.7	17.8	18.4	24.6	2.3	20.8		7.8	8.2	
11	3.6	1.1	10.3	40.1	16.6	17.8	22.7	5.1	28.3		7.8	8.2	
12	6.7	0.4	277.0	38.3	15.7	22.7	22.7	5.7	37.6		7.8	8.2	
13	21.5	0.4	261.7	30.9	15.2	22.7	29.2	10.0	46.3	10.0	7.5	8.2	
14	16.9	0.4	264.3	27.6	16.6	19.0	30.1	11.2	39.5	8.6	8.2	7.8	
15	12.0	-0.9	68.8	26.0	14.8	18.4	17.6	14.5	24.1	8.0	7.8	7.5	
16	9.4	-0.9	230.8	25.2	21.5	17.8	11.5	19.4	20.8	8.0	8.2	7.5	
17	7.5	-1.6	56.0	26.0	21.5	17.2	12.7	19.4	17.4	12.3	8.2	7.5	
18	6.4	-1.6	61.2	26.0	19.7	17.8	5.7	26.8	24.1	8.6	7.8	7.5	
19	4.6	-1.9	38.3	23.5	22.7	17.8	6.1	32.5		7.3	7.8	7.5	
20	3.9	-1.6	22.1	22.7	23.5	36.4	11.5	24.0		7.3	7.8	7.5	
21	3.9	-2.5	19.0	19.7	21.5	32.7	14.3	24.0	10.3	8.0	11.2	7.8	
22	3.9	-2.2	23.5	18.4	45.9	60.1	16.0	22.2		7.3	9.5	7.8	
23	4.2	-2.9	53.9	19.0	40.1	44.0	17.6	17.8		6.7	10.8	8.5	
24	2.9	-2.5	125.7	21.5	31.8	28.4	19.3	20.3		6.7	10.1	8.5	
25	2.9	-2.5	60.1	29.3	30.1	22.7	16.0	17.8	8.5	6.3	8.8	8.2	
26	7.9	-2.5	44.0	22.1	30.9	17.8	10.9	17.8		6.7	8.2	33.4	
27	2.5	-1.6	35.5	35.5	44.0	16.6	5.7	18.6		6.7	26.0	22.8	
28	19.0	-1.6	53.9	32.7	71.0	16.6	6.6	12.0		6.7	22.2	12.3	
29	17.4	-1.9	82.2	11.3		15.7	9.0	16.1		6.3		9.2	
30	13.3	-2.2	109.7	26.0		15.7	9.0	23.1	6.3	6.7		37.1	
31	12.0		112.8	27.6		15.7		24.9		9.7	9.5		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	16	1	0	0	0	0	0	0	0	0	0	17
MED	10.4	1.3	65.6	33.2	26.1	25.5	15.4	15.8	24.0	8.0	9.7	10.7	20.8
MAX	40.9	15.4	277.0	73.5	71.0	60.1	30.1	32.5	46.3	12.3	26.0	37.1	277.0
MIN	2.5	-2.9	-0.6	11.3	14.8	15.7	5.7	2.3	6.3	6.3	7.5	7.5	-2.9

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,982 / 1,983

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	19.7	12.9	1.1	17.3	5.8	42.5	7.3	44.7	47.0	10.5	-0.7	34.6	
2	12.3	11.3	0.0	15.4	6.1	33.4	6.5	29.6	33.6	9.6	-0.4	15.8	
3	9.5	12.0	0.4	13.3	5.4	24.7	3.3	20.6	28.6	9.6	-0.4	9.8	
4	8.8	10.5	-0.3	13.3	4.2	22.2	2.3	20.6	31.1	14.3	-0.4	4.2	
5	8.8	8.3	-0.9	12.8	5.4	20.6	1.2	32.3	33.6	10.5	-0.4	3.6	
6	10.8	8.3	-0.9	11.7	6.9	19.8	2.3	39.0	36.3	11.3	-0.4	3.6	
7	37.1	181.5	14.9	11.2	10.3	17.3	3.9	48.9	36.3	11.3	-0.4	1.6	
8	21.5	165.5	23.9	10.8	6.9	16.5	6.5	46.1	41.6	10.5	-0.4	0.0	
9	18.6	84.5	50.5	10.3	6.1	16.0	14.7	31.0	33.6	8.8	-0.4	-0.4	
10	20.3	29.7	18.1	10.3	5.4	18.1	24.6	33.6	31.1	6.0	-0.4	-0.7	
11	25.2	13.9	23.1	11.2	4.6	18.1	18.4	25.6	28.6	6.4	-0.4	-0.7	
12	22.8	7.3	139.6	10.3	3.1	16.5	9.8	35.0	23.7	6.4	-0.4	-0.4	
13	110.6	45.1	86.1	9.1	2.4	16.0	3.9	97.2	19.6	5.6	-0.4	-0.4	
14	101.2	29.7	46.5	8.6	1.7	19.0	2.3	68.4	14.6	4.1	-0.7	-0.4	
15	46.5	19.8	29.7	6.5	1.7	20.6	1.2	50.4	44.3	3.4	-0.7	-0.4	
16	30.9	18.1	64.7	9.5	1.4	18.1	3.9	36.3	10.9	1.7	2.5	-0.7	
17	24.0	27.2	53.3	9.1	1.4	14.9	7.3	25.6	9.8	0.7	2.2	-1.0	
18	20.3	19.8	41.1	7.8	1.7	14.4	36.5	15.7	8.8	1.4	-0.4	-1.0	
19	42.6	13.3	28.4	8.6	3.1	15.4	59.3	11.6	6.0	1.4	-0.7	-1.0	
20	35.2	11.2	42.5	6.9	3.9	15.4	23.4	10.7	5.1	1.4	2.5	-1.0	
21	31.8	9.1	56.2	6.1	5.4	16.0	68.4	14.4	4.3	1.0	0.6	-0.4	
22	31.8	7.8	33.4	5.4	8.6	18.1	35.1	9.1	3.8	0.7	4.9	-0.7	
23	35.2	6.1	24.7	4.6	45.1	16.0	40.5	8.3	3.8	0.7	9.4	-1.0	
24	50.4	9.5	28.4	4.2	59.0	16.0	32.5	6.6	3.8	-0.9	4.6	-1.3	
25	38.9	9.5	61.9	4.6	120.5	13.3	87.0	3.9	6.8	-1.2	2.5	-1.3	
26	44.5	7.3	45.1	4.6	199.5	12.3	40.5	5.0	18.7	-1.2	2.9	-1.3	
27	37.1	5.0	45.1	4.6	90.7	13.3	28.4	5.0	19.6	-1.2	1.9	-1.0	
28	27.7	3.5	38.4	6.9	57.6	14.4	23.4	6.6	9.3	-1.2	4.2	-1.0	
29	21.5	1.7	29.7	6.1		13.9	19.7	8.3	7.7	-1.2	1.9	-1.0	
30	18.6	1.4	23.1	7.8		13.3	20.9	14.4	6.8	-1.9	2.2	-1.0	
31	16.8		19.8	7.8		11.2		28.3		-2.5	11.1		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	3	0	0	0	0	0	0	8	17	23	**51**
MED	31.6	26.4	34.4	8.9	24.1	18.0	21.2	26.9	20.3	4.1	1.5	1.8	**18.2**
MAX	110.6	181.5	139.6	17.3	199.5	42.5	87.0	97.2	47.0	14.3	11.1	34.6	**199.5**
MIN	8.8	1.4	-0.9	4.2	1.4	11.2	1.2	3.9	3.8	-2.5	-0.7	-1.3	**-2.5**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,983 / 1,984

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	-1.0	-3.5	7.3	13.3	14.4	5.4	117.2	41.8	32.4	34.4	6.4	-1.0	
2	-1.0	-3.5	5.8	11.2	27.2	3.9	53.3	69.9	49.8	30.7	3.9	-1.0	
3	-1.0	-3.5	3.9	10.3	24.7	3.9	31.1	37.7	64.2	23.2	1.6	-0.7	
4	-1.0	-3.5	1.7	9.1	53.3	2.8	19.7	23.1	77.9	20.8	0.9	-0.4	
5	-1.0	-3.5	0.7	6.9	42.5	1.7	24.6	18.2	110.3	18.3	1.2	-0.4	
6	-1.0	-3.5	0.7	6.9	25.9	1.1	20.9	54.7	74.9	17.0	0.6	-0.4	
7	-1.0	-3.2	-0.6	11.2	19.0	2.8	12.2	68.4	54.1	16.4	0.3	0.3	
8	-1.0	-2.2	-0.3	14.9	49.2	4.2	9.8	39.0	47.0	17.0	0.0	0.6	
9	-1.0	-2.5	0.0	10.8	69.3	4.6	9.8	29.6	45.7	19.1	0.0	0.3	
10	-1.0	3.1	-0.9	8.6	28.4	4.2	9.8	21.9	47.0	20.0	-0.4	0.6	
11	-1.0	13.3	-0.6	7.8	16.5	3.9	12.2	15.7	44.3	17.5	-0.4	0.9	
12	-1.0	6.5	-0.9	6.1	13.3	2.8	13.1	10.7	48.4	15.4	-0.4	0.9	
13	-1.0	3.5	-0.6	6.5	12.3	1.7	14.7	6.6	51.3	12.2	-0.4	0.9	
14	-1.0	1.1	-1.3	7.8	10.3	4.6	19.7	5.0	56.9	11.3	-0.4	0.9	
15	-1.0	12.3	-0.3	7.3	9.5	7.8	13.9	5.8	58.4	8.8	-0.4	0.9	
16	-1.0	15.4	2.8	6.9	8.6	8.6	7.3	3.9	64.2	7.5	-0.4	0.6	
17	-1.0	13.3	5.4	6.1	7.3	6.9	4.4	2.9	58.4	7.1	-0.4	0.3	
18	-1.0	9.5	5.8	5.4	7.8	6.1	4.4	33.6	56.9	5.6	-0.7	0.3	
19	-1.0	6.1	29.7	7.8	7.8	5.8	8.1	36.3	55.5	5.6	-0.7	1.6	
20	-1.0	3.1	12.8	13.3	7.8	5.4	13.1	18.2	76.4	7.1	-0.7	2.9	
21	-1.0	9.9	27.2	14.4	6.9	8.6	19.7	11.6	70.3	7.5	-0.7	1.6	
22	-1.0	9.5	21.4	27.2	6.5	8.6	25.9	9.1	55.5	5.2	-0.7	1.6	
23	-1.0	9.9	66.2	32.1	7.8	9.5	29.8	6.6	51.3	3.8	9.0	2.2	
24	-1.0	6.1	34.6	61.9	6.9	8.6	29.8	20.6	39.0	4.9	10.3	7.9	
25	-1.0	3.5	19.0	33.4	6.9	39.8	35.1	46.1	39.0	4.1	7.1	12.4	
26	-1.0	1.7	13.9	23.9	4.2	20.6	35.1	53.2	33.6	2.7	2.9	11.1	
27	-1.0	1.1	12.8	19.0	3.9	14.4	29.8	50.4	39.0	3.1	1.6	13.7	
28	-1.0	4.2	15.4	14.4	4.6	37.1	25.9	33.6	43.0	0.7	0.6	12.8	
29	-0.7	7.3	21.4	12.3	5.0	67.7	24.6	24.4	33.6	0.1	-0.4	54.4	
30	-0.4	8.6	16.0	10.8		29.7	27.1	23.1	26.2	-0.3	-0.7	28.4	
31	-0.4		14.4	11.2		23.1		20.6		0.7	0.3		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	31	9	8	0	0	0	0	0	0	1	17	6	72
MED	-0.9	4.0	10.7	14.1	17.5	11.5	23.4	27.2	53.5	11.2	1.3	5.1	**14.8**
MAX	-0.4	15.4	66.2	61.9	69.3	67.7	117.2	69.9	110.3	34.4	10.3	54.4	**117.2**
MIN	-1.0	-3.5	-1.3	5.4	3.9	1.1	4.4	2.9	26.2	-0.3	-0.7	-1.0	**-3.5**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,984 / 1,985

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	19.0	4.2	60.9	14.4	30.6	20.5	10.5	24.0	51.2	17.3	14.8	14.4	
2	25.6	3.9	35.5	14.8	29.8	25.9	17.3	25.9	49.2	18.3	14.8	14.4	
3	33.4	19.8	28.1	14.8	29.8	21.2	20.6	28.7	51.2	18.3	14.8	14.4	
4	33.4	13.3	26.6	14.4	28.9	21.2	23.9	22.4	62.6	19.9	14.8	14.4	
5	67.2	19.8	23.9	14.4	30.6	20.0	50.9	17.4	64.8	17.3	14.8	14.4	
6	54.4	23.9	21.2	14.4	24.6	19.4	44.7	14.4	61.5	16.2	14.8	14.4	
7	37.1	23.1	18.9	14.4	24.6	17.9	31.1	11.7	50.2	16.2	14.8	14.4	
8	23.1	259.2	17.9	14.4	33.9	16.3	102.0	14.4	34.8	16.2	14.4	14.4	
9	23.1	483.1	16.8	14.4	39.3	16.3	94.5	11.7	27.1	15.8	14.4	14.4	
10	25.6	130.5	16.3	14.4	48.8	15.7	54.0	11.0	25.4	15.8	14.4	14.4	
11	23.9	78.2	15.7	13.6	44.9	15.7	35.9	9.0	26.3	15.4	14.4	14.4	
12	19.0	50.8	15.7	14.0	112.0	15.2	29.3	8.5	27.9	14.6	14.4	14.4	
13	16.9	38.3	15.7	14.0	92.3	15.2	24.7	7.9	33.9	14.6	14.4	14.4	
14	14.8	43.0	17.3	14.0	64.0	14.4	22.2	7.4	40.5	14.6	14.4	14.4	
15	12.8	43.0	16.3	14.0	69.4	14.4	17.3	7.9	35.8	14.6	14.4	14.4	
16	12.0	127.7	15.7	14.0	60.9	14.4	15.9	35.4	26.3	14.6	14.4	14.4	
17	11.1	55.7	15.2	14.0	66.1	14.8	17.3	32.5	25.4	14.6	14.4	14.4	
18	9.8	41.1	16.8	14.8	60.9	14.8	22.2	23.2	22.4	14.2	14.4	14.4	
19	12.0	62.9	17.3	15.2	44.0	15.2	25.5	21.5	24.6	14.2	14.4	14.4	
20	8.6	73.7	16.3	15.2	35.5	15.2	25.5	25.9	23.8	14.2	14.4	14.4	
21	20.6	48.8	33.9	27.3	31.4	18.4	27.4	31.5	19.7	13.7	14.4	14.4	
22	14.8	47.8	35.5	123.6	27.3	34.7	23.9	29.6	19.7	13.7	14.4	14.4	
23	11.6	52.7	22.5	144.8	25.3	31.4	27.4	42.2	18.4	13.7	14.4	14.4	
24	9.4	46.9	18.4	69.4	23.9	23.2	26.4	50.4	15.9	13.7	14.4	14.4	
25	9.0	41.1	15.2	44.9	22.5	20.0	20.6	43.2	16.5	13.7	14.4	14.4	
26	21.5	39.3	14.8	58.8	21.2	19.4	21.4	49.4	15.9	13.7	14.4	14.4	
27	17.9	31.4	14.4	44.9	20.0	18.9	20.6	62.2	16.5	13.7	14.4	14.4	
28	13.7	26.6	15.2	37.4	19.4	18.4	20.6	53.5	15.4	13.3	14.4	14.4	
29	10.3	23.2	15.2	35.5		17.3	17.3	40.3	13.8	13.3	14.4	14.4	
30	9.4	21.9	14.8	39.3		17.3	21.4	33.4	12.8	13.3	14.4	14.4	
31	9.0		14.4	33.9		17.3		39.3		13.3	14.4		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MED	20.3	65.8	20.7	30.5	41.5	18.7	30.4	27.0	31.0	15.0	14.5	14.4	**27.3**
MAX	67.2	483.1	60.9	144.8	112.0	34.7	102.0	62.2	64.8	19.9	14.8	14.4	**483.1**
MIN	8.6	3.9	14.4	13.6	19.4	14.4	10.5	7.4	12.8	13.3	14.4	14.4	**3.9**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,985 / 1,986

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	14.4	11.1	10.8	12.7	14.4	47.8	10.5	8.0	14.3	0.6	-1.4		
2	14.4	11.1	10.4	17.9	14.8	44.0	14.6	16.9	12.7	0.1	-1.4		
3	14.0	11.5	10.4	18.4	17.3	51.8	27.4	54.1	14.3	1.5	-1.4		
4	13.6	11.9	10.8	17.3	15.2	48.8	20.6	38.3	16.0	0.6	-1.4		
5	13.6	13.2	10.4	15.2	14.4	41.1	13.2	22.2	12.7	-0.4	-1.4		
6	13.6	28.9	10.8	15.7	14.4	39.3	38.8	25.8	19.2	-0.8	-1.4		
7	13.6	64.0	11.1	14.4	14.4	35.5	39.8	33.5	11.9	-0.8	-1.4		
8	13.6	35.5	11.1	13.6	15.2	30.6	27.4	24.9	8.2	-1.7	-1.4		
9	13.6	19.4	11.1	12.7	14.4	24.6	18.9	25.8	7.5	-2.2	-1.4		
10	13.6	14.0	11.1	14.0	13.2	22.5	14.6	43.5	8.2	-2.2	-1.4		
11	13.6	12.7	10.4	14.0	13.2	20.0	13.2	51.9	10.4	-2.2	-1.4		
12	13.6	44.0	10.4	18.4	13.6	18.9	11.2	64.5	10.4	-2.2	-1.4		
13	13.6	44.0	10.1	17.9	13.2	20.0	8.9	85.6	10.4	-0.4	-1.4		
14	13.6	21.2	10.1	16.3	14.4	18.4	6.8	81.5	6.8	-2.2	-1.4		
15	13.6	15.2	10.1	20.5	16.8	17.9	6.3	54.1	6.1	-2.2	-1.4		
16	13.6	13.2	10.1	30.6	19.4	18.4	5.2	54.1	6.8	-2.5	-1.4		
17	13.6	12.7	10.8	21.9	71.5	18.4	5.2	60.7	5.3	-2.5	-1.4		
18	14.0	12.7	10.1	15.7	57.8	17.9	5.2	70.7	3.9	-2.9	-1.4	11.2	
19	13.6	12.7	10.1	13.6	44.0	17.3	5.2	71.9	3.9	-2.9	-1.4	23.0	
20	13.6	12.7	10.4	12.7	28.9	16.3	4.8	76.0	3.9	-2.9	-1.4	10.5	
21	13.6	12.7	10.1	12.7	31.4	16.8	6.3	66.9	25.8	-2.9	-1.4	4.4	
22	13.6	11.9	10.1	12.7	32.2	15.7	59.4	48.6	42.4	-2.9	-1.4	2.3	
23	13.6	11.9	11.1	11.9	41.1	16.3	23.7	55.1	19.2	-2.9	-1.7	1.3	
24	13.6	11.5	11.5	18.9	73.7	30.6	14.3	47.6	10.4	-2.9	-2.0	1.8	
25	13.6	11.5	44.9	18.9	55.7	39.3	39.8	42.4	6.1	-2.9	-2.4	9.8	
26	14.4	11.5	32.2	14.8	44.9	26.6	42.9	40.4	3.3	-2.9	-3.0	15.6	
27	14.4	11.5	18.4	20.0	41.1	20.5	24.6	38.3	2.7	-2.9	-3.3	17.0	
28	14.4	11.5	18.9	21.9	43.0	27.3	16.0	29.6	0.9	-2.9		8.0	
29	14.4	10.4	34.7	19.4		24.6	9.5	19.4	-2.6	-2.9		4.4	
30	14.0	10.8	17.9	16.3		20.5	7.8	9.6	-2.6	-2.9		2.8	
31	13.6		14.0	15.7		17.3		7.2		-2.9			
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	0	0	0	0	0	2	27	27	0	56
MED	13.8	17.9	14.0	16.7	28.7	26.6	18.1	44.2	10.0	-1.9	-1.6	8.6	**16.8**
MAX	14.4	64.0	44.9	30.6	73.7	51.8	59.4	85.6	42.4	1.5	-1.4	23.0	**85.6**
MIN	13.6	10.4	10.1	11.9	13.2	15.7	4.8	7.2	-2.6	-2.9	-3.3	1.3	**-3.3**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,986 / 1,987

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	1.8	-1.7	6.1			50.5	3.8	16.8	5.2	4.7	5.0	-1.3	
2	0.3	-2.2	4.9		20.5	40.2	8.5		6.7	4.1	3.3	-0.7	
3	0.3	-2.7	4.3	10.9		37.3	71.5		6.7	3.5	2.8	-0.7	
4	5.6	-3.8	3.1		34.7	28.3	39.1	8.0	7.4	2.9	1.3	-0.7	
5	4.4	-2.7	2.5	7.3	21.5	21.5	22.2		7.4	2.3	0.8	-0.2	
6	23.0	-3.8	1.3			17.5	24.7	2.3	6.7	3.5	0.8	-0.7	
7	17.0	-4.1	0.3		16.5	17.5	118.3		7.4	6.5	0.8	-1.6	
8	11.2	-4.7	0.3	2.5		16.5	334.4		8.1	6.5	0.3	-1.9	
9	7.4	-4.7	9.4		49.1	17.5	197.6	7.0	5.2	3.5	-0.2	-1.9	
10	3.8	-4.7	5.5	4.3		21.5	107.0		2.0	1.8	-0.2	-1.9	
11	2.3	-4.1	2.5		28.3	18.5	64.1	6.0	0.2	1.3	-0.2	-1.9	
12	2.3	-4.1	1.3	1.3	24.5	14.5	50.9		0.2	1.3	-0.2	-1.9	
13	3.3	-4.7	1.3		17.5	12.3	50.9		2.0	2.3	-0.7	-1.9	
14	6.8	-0.7			17.5	9.4	34.6	5.0	2.6	1.8	-1.3	-1.9	
15	6.2	130.5	1.3		17.5	4.3	27.3	-1.4	8.1	2.9	-1.3	-2.5	
16	6.2	121.5			17.5	4.3	27.3		6.7	5.9	-1.3	-2.5	
17	7.4	55.0		0.8	13.8	4.9	30.2		2.6	24.5	-1.3	-2.8	
18	7.4	32.2	1.9		12.3	3.7	30.2	-3.5	0.2	33.2	-1.3	-3.0	
19	7.4	21.5		0.3	10.2	3.7	30.2		-0.4	19.5	-1.3	-3.0	
20	5.6	14.5	6.7	1.3	8.0	-0.2	33.2		10.3	11.2	-1.3	-3.0	
21	4.4	3.7			6.1	-2.2	30.2	-5.4	9.6	7.7	-0.2	-2.5	
22	4.4	17.5	6.7	0.8	5.5	-3.2	34.6	-3.5	4.5	5.3	-0.2	-2.5	
23	4.4	24.5			4.3	-2.7		0.1	3.2	5.9	1.3	-2.2	
24	5.6	32.2		3.7	4.3	0.8	33.2	7.0	2.0	82.5	-0.7	-1.9	
25	3.8	37.3			6.7	3.7		6.0	0.8	44.2	-0.2	-1.9	
26	3.8	25.8	1.3	3.7	14.5	4.3		5.0	-0.4	22.5	-0.2	-1.6	
27	4.4	19.5			13.8	3.1	23.4	5.0	-1.0	14.1	-0.2	2.3	
28	4.4	13.8			38.7	0.3		0.8	-1.0	9.7	-0.2	2.8	
29	2.8	9.4		52.0		1.9	22.2	-2.8	0.8	7.1	-0.2	2.3	
30	2.3	8.7				6.1		-4.3	0.2	6.5	-0.7	1.8	
31	1.8			33.4		12.3		-2.8		4.1	-1.6		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	14	0	0	0	4	0	7	4	0	22	26	**77**
MED	5.5	17.3	3.4	9.4	17.5	11.9	58.0	2.4	3.8	11.4	0.0	-1.3	**11.4**
MAX	23.0	130.5	9.4	52.0	49.1	50.5	334.4	16.8	10.3	82.5	5.0	2.8	**334.4**
MIN	0.3	-4.7	0.3	0.3	4.3	-3.2	3.8	-5.4	-1.0	1.3	-1.6	-3.0	**-5.4**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,987 / 1,988

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	0.8	14.5	2.5	8.7	86.5	11.4	7.2	22.2	22.5	177.7	2.7	-2.5	
2	12.7	10.9	2.5	7.3	88.9	11.4	4.9	36.4	30.2	54.5	2.7	-1.3	
3	115.0	9.4	6.1	9.4	60.4	10.7	6.3	31.2	27.7	43.7	4.6	-0.2	
4	95.0	6.7	81.5	13.8	51.8	10.0	39.2	27.4	38.0	33.4	3.4	-0.5	
5	61.9	6.1	128.3	11.6	69.1	9.3	21.2	33.8	30.2	71.9	2.7	-0.8	
6	98.7	4.9	56.4	11.6	131.2	8.3	45.2	39.0	16.7	52.8	1.6	-1.0	
7	53.0	3.7	37.3	14.5	112.4	7.4	26.3	48.9	12.8	33.4	1.6	-1.8	
8	34.7	3.7	28.3	13.1	72.6	13.5	21.2	52.4	12.8	25.1	1.6	-2.3	
9	23.0	2.5	22.5	24.5	144.3	12.1	34.0	36.4	34.1	21.2	2.0	-2.3	
10	237.5	6.7	20.5	21.5	95.9	10.0	23.7	32.5	41.8	18.2	1.3	-2.5	
11	100.5	11.6	18.5	17.5	63.9	9.3	21.2	28.7	35.4	15.2	0.9	-2.5	
12	47.1	9.4	28.3	15.5	62.2	8.8	172.1	30.0	27.7	14.5	0.6	-2.5	
13	33.4	8.0	34.7	13.8	47.9	10.0	81.2	50.7	22.5	13.1	-0.2	-2.3	
14	23.0	24.5	56.4	18.5	41.5	11.4	55.7	40.3	67.4	11.7	-0.2	-2.5	
15	151.0	16.5	40.2	18.5	57.0	12.1	48.7	43.7	56.9	9.8	-0.5	-2.0	
16	191.0	13.8	34.7	56.4	37.6	14.9	100.0	36.4	148.9	8.4	-0.5	-1.3	
17	102.3	15.5	34.7	52.0	33.7	42.7	102.4	37.7	90.1	7.4	-0.5	-1.5	
18	51.6	13.1	32.2	40.2	31.2	62.2	67.8	40.3	58.7	6.9	-0.8	-0.2	
19	33.4	10.2	32.2	30.9	28.6	49.2	161.3	40.3	47.0	7.4	-1.5	-0.5	
20	25.0	8.0	25.8	32.2	28.6	41.5	150.5	28.7	36.7	7.4	-1.5	-0.8	
21	33.4	7.3	21.5	27.1	27.3	36.3	74.8	24.8	31.5	6.5	-1.3	-0.8	
22	25.0	5.5	20.5	52.0	24.1	33.7	62.6	26.1	30.2	5.1	-1.5	-0.2	
23	44.2	5.5	18.5	110.3	23.1	25.0	102.4	45.5	27.7	4.3	-1.8	-0.8	
24	39.8	5.5	16.5	66.8	23.1	24.1	69.6	37.7	30.2	6.0	-1.8	-1.0	
25	27.0	5.5	14.5	146.3	20.2	27.3	50.4	31.2	25.1	7.4	-2.0	-1.3	
26	22.0	5.5	13.1	92.5	18.2	32.4	41.8	31.2	19.6	5.1	-2.0	-1.8	
27	16.3	4.9	11.6	65.3	15.6	28.6	37.9	22.2	23.8	4.7	-2.0	-2.0	
28	82.1	4.3	10.2	96.2	14.2	22.1	30.2	17.1	25.1	4.3	-2.0	-2.3	
29	45.7	3.1	10.2	275.5	12.1	20.2	30.2	17.1	27.7	3.5	-2.3	-2.3	
30	32.1	1.9	9.4	138.9		21.1	26.3	22.2	41.8	2.7	-2.5	-1.8	
31	23.0		8.7	79.6		19.2		15.8		1.5	-2.5		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	0	0	0	0	0	0	0	19	30	49
MED	60.7	8.3	28.3	51.0	52.5	21.1	57.2	33.1	38.0	22.1	-0.1	-1.5	30.8
MAX	237.5	24.5	128.3	275.5	144.3	62.2	172.1	52.4	148.9	177.7	4.6	-0.2	275.5
MIN	0.8	1.9	2.5	7.3	12.1	7.4	4.9	15.8	12.8	1.5	-2.5	-2.5	-2.5

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,988 / 1,989

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	-1.5	-2.7	-2.7	-1.6	-4.3	31.2	-0.1	11.6	28.9	0.1	-2.5	-3.0	
2	-2.3	-2.7	-2.3	-2.0	-3.8	40.2	-1.2	12.6	18.6	0.1	-2.5	-2.8	
3	-2.3	-3.0	0.2	-2.0	-4.0	47.9	0.6	17.1	12.8	-0.6	-3.0	-2.8	
4	-2.3	-3.0	1.3	-2.3	-4.0	40.2	9.2	23.5	7.9	-0.6	-2.8	-3.0	
5	-2.5	-2.3	0.2	-1.6	-4.0	44.0	5.6	27.4	5.3	-1.0	-0.5	-3.0	
6	-2.5	-3.3	0.5	-1.6	-4.0	40.2	2.8	32.5	4.8	-1.3	0.2	-3.1	
7	-2.5	-3.3	0.9	-0.9	-4.5	33.7	2.8	35.1	3.9	4.3	-0.5	-3.1	
8	-2.5	-3.3	0.5	-2.0	-4.5	23.1	26.3	32.5	3.9	1.9	-0.2	-3.1	
9	-2.5	5.0	-0.2	-2.3	-4.5	14.9	32.7	35.1	5.8	0.1	-1.5	-3.0	
10	-2.5	8.3	-0.9	-2.0	-4.5	14.9	57.4	33.8	6.5	0.1	7.0	-2.8	
11	-2.5	3.3	-0.9	-1.6	-4.3	19.2	30.2	33.8	5.8	-0.3	6.2	-3.6	
12	0.9	1.7	-0.2	-1.6	-4.0	18.2	45.2	30.0	3.9	-0.6	3.0	-1.5	
13	0.2	0.5	-0.2	-1.6	-4.5	20.2	48.7	20.9	4.8	-1.3	0.2	-1.3	
14	-1.0	-0.2	-0.9	-2.0	-4.5	14.2	28.9	13.5	4.8	-2.0	29.8	-1.5	
15	-1.0	-0.2	-2.0	-2.7	-4.5	10.7	21.2	11.6	3.9	-2.0	12.5	-1.5	
16	0.9	-0.9	-2.3	-3.0	-4.3	8.8	45.2	12.6	2.4	-2.5	4.6	-2.0	
17	3.4	-0.9	-2.3	-2.3	-4.3	7.8	37.9	12.6	1.5	-2.5	3.0	-2.5	
18	19.7	-0.9	-2.3	-3.0	-4.3	6.4	39.2	10.6	1.0	-3.0	0.6	-3.0	
19	33.7	-1.3	-2.3	-3.3	-4.3	5.0	39.2	12.6	1.0	-3.3	0.9	-2.5	
20	33.7	-2.0	-2.3	-3.5	-3.5	3.7	36.6	18.4	2.0	-3.5	0.2	-1.3	
21	13.9	-3.0	-0.9	-2.7	-4.0	4.1	28.9	30.0	1.0	-3.8	0.6	-1.0	
22	8.9	-3.0	-0.9	-3.0	-4.0	5.0	21.2	20.9	0.2	-4.0	-1.0	-0.2	
23	5.8	-3.0	-0.9	-3.5	-3.5	6.4	17.3	13.5	-0.6	-3.8	-1.0	7.0	
24	4.2	-3.0	-1.3	-3.3	-1.6	5.0	13.1	13.5	-1.0	-1.7	-1.5	3.4	
25	3.4	-2.7	-2.0	-3.8	4.1	4.5	31.5	10.6	-2.2	-1.3	-2.0	1.3	
26	3.4	-3.0	-2.0	-3.5	13.5	5.9	43.5	4.8	-3.4	-2.5	-2.3	0.9	
27	2.7	-3.0	-2.3	-3.5	3.7	8.8	21.2	5.7	-2.6	-3.0	-2.0	-1.0	
28	1.3	-3.0	-1.6	-4.0	3.7	14.2	17.3	5.7	-3.0	-3.5	-2.5	-0.2	
29	0.9	-3.0	-1.6	-4.0		13.5	16.0	24.8	-3.4	-4.0	-2.8	-0.5	
30	2.3	-3.0	-1.6	-4.3		11.4	13.1	27.4	-4.1	-4.0	-3.0	-0.5	
31	0.2		-1.6	-4.3		10.7		32.5		-4.3	-3.0		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	13	25	25	31	24	0	2	0	8	25	18	26	**197**
MED	3.6	-1.4	-1.1	-2.7	-2.6	17.2	24.4	20.2	3.7	-1.7	1.1	-1.4	**5.0**
MAX	33.7	8.3	1.3	-0.9	13.5	47.9	57.4	35.1	28.9	4.3	29.8	7.0	**57.4**
MIN	-2.5	-3.3	-2.7	-4.3	-4.5	3.7	-1.2	4.8	-4.1	-4.3	-3.0	-3.6	**-4.5**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,989 / 1,990

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	-1.8	-0.9	8.3	5.0	7.4	15.6	-7.9	8.7	10.0	3.9	0.2	2.3	
2	-2.0	-2.0	7.4	4.5	6.9	12.1	-7.9	6.7	10.0	3.1	-0.5	0.2	
3	-1.5	-2.3	5.9	4.1	6.4	8.8	-7.9	6.7	9.3	3.1	2.0	-0.8	
4	-2.3	-0.2	4.5	4.1	6.4	6.9	-7.9	5.7	7.9	2.3	0.6	-1.3	
5	-2.5	7.4	4.1	3.3	5.5	5.9	-7.1	12.6	15.7	1.5	-0.5	-1.5	
6	-2.0	9.3	3.3	2.9	5.5	6.4	7.2	8.7	16.7	0.8	-1.0	-1.8	
7	-1.8	10.0	2.9	2.1	8.3	5.5	21.2	6.7	9.3	0.5	-1.3	-2.3	
8	-2.5	26.0	2.5	2.5	7.8	5.0	10.2	4.8	7.9	0.1	-1.3	-2.8	
9	-2.0	18.2	2.1	2.5	10.0	5.0	6.3	8.7	5.8	-0.3	-1.3	-2.5	
10	-0.5	12.1	2.1	2.1	10.7	4.5	2.1	10.6	2.9	-1.0	-1.3	-2.0	
11	-1.0	10.0	1.3	1.7	8.8	3.7	-1.7	12.6	16.7	-1.3	-1.5	-2.0	
12	-1.0	26.0	1.3	1.3	38.9	5.0	13.1	8.7	21.5	-1.3	-1.8	-2.0	
13	-2.0	23.1	4.1	0.9	200.5	7.8	14.1	18.4	8.6	-2.0	-1.5	-2.3	
14	-2.3	12.8	13.5	0.5	88.9	8.8	6.3	18.4	12.1	-2.0	-1.5	4.2	
15	-2.5	9.3	29.9	0.5	45.3	8.3	4.2	11.6	17.6	-0.6	-1.5	3.0	
16	-2.5	7.4	26.0	0.5	40.2	7.8	5.6	11.6	10.0	-0.3	-2.0	8.9	
17	-2.5	7.4	100.6	0.9	31.2	7.4	2.8	10.6	9.3	-0.6	-2.3	13.2	
18	-1.5	16.3	69.1	0.9	23.1	6.4	0.6	11.6	7.2	-1.3	-1.3	7.5	
19	2.3	18.2	83.0	0.9	19.2	5.9	1.4	12.6	5.3	-1.7	-1.3	3.4	
20	6.2	50.5	41.5	0.5	17.2	5.5	14.1	17.1	20.6	-2.3	-2.5	2.0	
21	3.8	81.3	26.0	-0.2	16.3	6.4	5.6	20.9	18.6	-2.5	-2.8	1.3	
22	1.6	45.3	29.9	-0.2	18.2	5.9	1.4	50.7	11.4	-3.3	-3.0	0.6	
23	0.6	26.0	38.9	0.5	18.2	6.9	0.6	66.3	8.6	-3.5	-3.0	-0.5	
24	0.2	18.2	23.1	0.5	16.3	7.8	0.6	82.1	4.3	-3.3	-2.8	-0.5	
25	-0.2	18.2	16.3	0.5	13.5	6.4	0.6	86.8	3.4	-3.0	-2.3	-0.8	
26	-0.8	22.1	13.5	1.7	12.1	5.5	1.4	35.1	2.9	-3.0	-2.3	-1.0	
27	-1.5	12.1	11.4	3.7	11.4	4.1	2.1	20.9	5.8	-3.0	-2.5	-1.3	
28	2.7	12.1	8.8	9.3	15.6	3.7	4.9	13.5	12.1	0.1	-2.8	-1.3	
29	9.9	10.7	7.4	14.2		2.9	7.2	9.6	3.4	3.9	-3.0	-1.5	
30	4.6	9.3	6.4	7.8		2.5	10.2	4.8	1.0	0.8	-0.2	-1.3	
31	2.7		5.5	6.4		2.1		2.7		-0.6	4.6		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	21	4	0	2	0	0	6	0	0	20	27	19	**99**
MED	-0.1	17.1	19.4	2.8	25.3	6.3	3.4	19.5	9.8	-0.5	-1.3	0.6	**8.4**
MAX	9.9	81.3	100.6	14.2	200.5	15.6	21.2	86.8	21.5	3.9	4.6	13.2	**200.5**
MIN	-2.5	-2.3	1.3	-0.2	5.5	2.1	-7.9	2.7	1.0	-3.5	-3.0	-2.8	**-7.9**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,990 / 1,991

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	2.3	79.6	5.9	72.6	9.3	11.4	5.6	15.8	19.6	2.7	-3.0	-1.5	
2	3.8	37.6	5.0	46.6	2.9	8.3	6.3	14.5	20.6	2.7	-3.0	-2.5	
3	2.0	26.0	4.5	33.7	2.5	6.4	8.2	8.7	21.5	3.5	-2.0	29.8	
4	2.0	20.2	4.5	26.0	2.1	6.9	6.3	4.1	20.6	3.5	-1.8	11.8	
5	1.6	14.2	4.5	20.2	1.7	14.9	4.9	2.7	17.6	3.9	-2.3	5.0	
6	1.3	12.1	4.5	16.3	1.3	41.5	2.1	2.0	30.2	3.9	-3.0	1.3	
7	0.6	9.3	4.1	16.3	1.3	114.7	2.1	1.3	51.7	2.3	-3.2	3.0	
8	-0.2	22.1	3.7	21.1	2.1	119.4	8.2	0.6	72.6	1.5	-3.4	1.6	
9	-0.2	105.3	4.5	20.2	2.1	51.8	12.1	0.6	32.8	0.8	-3.5	-0.2	
10	-0.2	83.0	4.5	20.2	9.3	37.6	5.6	10.6	32.8	2.3	-3.5	-0.8	
11	-0.8	69.1	12.1	29.9	7.8	37.6	15.0	14.5	26.4	1.9	-3.3	-0.8	
12	-0.2	38.9	26.0	41.5	5.9	42.7	16.0	7.7	18.6	1.9	-2.8	1.6	
13	-1.0	27.3	44.0	38.9	5.0	46.6	22.4	15.8	17.6	1.5	-2.0	0.9	
14	-1.3	20.2	21.1	32.4	4.5	40.2	17.3	24.8	20.6	1.2	-2.5	-0.5	
15	-1.5	14.2	14.9	29.9	3.7	35.0	15.0	27.4	19.6	0.5	-3.0	-0.8	
16	0.2	12.1	14.2	26.0	2.9	32.4	48.7	26.1	18.6	-0.6	-3.2	-1.5	
17	1.3	10.0	12.8	26.0	2.9	58.7	81.2	13.5	13.7	-2.0	-3.3	-1.8	
18	3.0	8.3	11.4	26.0	2.9	37.6	48.7	12.6	7.9	-2.5	-3.4	-1.5	
19	2.7	7.8	10.0	27.3	2.9	28.6	28.9	6.7	4.8	-3.0	-3.4	-1.3	
20	1.6	7.8	8.8	28.6	2.9	38.9	18.6	4.1	3.9	-3.0	-3.2	-1.8	
21	0.9	7.8	7.8	27.3	4.5	45.3	12.1	12.6	4.3	-3.3	-2.8	-2.0	
22	31.1	7.4	7.4	26.0	5.9	49.2	8.2	19.7	7.2	-3.3	-2.8	-2.0	
23	87.3	7.4	6.9	26.0	5.0	35.0	6.3	26.1	7.9	-2.8	-2.0	-3.0	
24	82.1	7.4	6.9	23.1	5.5	25.0	6.3	40.3	5.8	-2.8	-2.0	-3.0	
25	50.4	7.4	6.9	20.2	10.0	19.2	7.2	37.7	4.3	-3.5	-2.5	-3.0	
26	33.7	6.4	6.9	19.2	13.5	15.6	12.1	26.1	3.9	-3.8	-3.2	9.4	
27	31.1	6.9	21.1	19.2	13.5	14.2	12.1	22.2	3.4	-3.5	-3.3	11.3	
28	59.5	6.9	44.0	18.2	13.5	12.1	13.1	23.5	2.9	-4.3	-3.5	7.0	
29	274.8	6.4	40.2	16.3		13.5	17.3	26.1	0.6	-4.5	-3.6	22.7	
30	124.3	6.4	63.9	13.5		15.6	15.0	22.2	-0.6	-4.3	-3.6	28.5	
31	85.5		67.4	12.1		15.6		17.1		-4.3	-3.3		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	8	0	0	0	0	0	0	0	1	16	31	17	**73**
MED	28.3	23.2	16.1	26.5	5.3	34.5	16.1	15.7	17.0	-0.6	-2.9	3.5	**15.3**
MAX	274.8	105.3	67.4	72.6	13.5	119.4	81.2	40.3	72.6	3.9	-1.8	29.8	**274.8**
MIN	-1.5	6.4	3.7	12.1	1.3	6.4	2.1	0.6	-0.6	-4.5	-3.6	-3.0	**-4.5**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,991 / 1,992

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	32.4	6.9	21.1	1.7	-3.8		-0.8	15.8	45.7	63.2	0.6	28.5	
2	23.6	5.0	28.6	1.3	-3.8	0.5		28.7	55.2	37.3	-0.5	16.0	
3	14.6	12.1	22.1	1.3	-3.5			17.1	48.3	24.1	-0.5	11.3	
4	9.9	107.7	19.2	0.9	-3.5			9.6	31.5	16.6	-0.8	9.4	
5	6.2	72.6	14.9	0.2	-3.5			8.7	22.5	13.1	-1.3	8.4	
6	5.0	40.2	12.1	-0.9	-3.3		36.6	7.7	15.7	15.2	-1.5	7.0	
7	5.4	26.0	10.7	-0.9	-2.3			9.6	12.1	15.9	-1.0	5.4	
8	4.2	20.2	8.8	-0.2	-1.6			11.6	10.7	12.4	13.2	4.2	
9	5.4	17.2	9.3	0.2	-1.6			13.5	12.1	9.8	340.0	9.9	
10	31.1	12.8	8.8	2.1	-1.6			14.5	20.6	9.3	73.4	10.3	
11	80.3	9.3	8.3	1.7	-0.9		16.0	17.1	18.6	9.8	33.7	8.4	
12	44.0	8.3	7.4	0.5	0.2		18.6	15.8	15.7	7.4	21.7	7.0	
13	25.6	26.0	7.4	-0.2	4.1		22.4	14.5	14.7	6.0	14.6	6.2	
14	26.6	74.3	7.4	-0.2	8.3			19.7	15.7	6.0	11.3	5.8	
15	27.5	138.9	5.9	-0.9	5.0			17.1	10.7	4.7	10.3	7.0	
16	21.7	141.6	4.1	-1.3	4.5	-0.9		14.5	17.6	3.5	10.3	5.8	
17	13.9	70.9	4.1	-0.6	3.7			13.5	16.7	4.3	8.4	4.6	
18	10.8	67.4	4.5	-1.3			36.6	9.6	10.7	4.7	6.6	4.2	
19	10.3	79.6	4.1	-2.0			39.2	9.6	10.0	2.3	6.2	3.8	
20	8.9	60.4	4.5	-2.0			41.8	6.7	7.9	0.8	9.4	3.4	
21	7.5	45.3	5.5	-2.0				4.1	4.8	1.5	9.4	1.6	
22	5.8	36.3	5.9	-2.0			41.8	3.4	3.4	1.9	8.4	2.0	
23	5.4	24.1	6.9	-2.0		2.1	52.2	24.8	7.2	0.8	6.2	3.0	
24	5.0	22.1	5.5	-2.0	4.1		62.6	35.1	14.7	-0.6	5.0	2.7	
25	5.4	20.2	5.5	-2.3			66.1	17.1	21.5	-1.0	5.0	2.7	
26	6.6	23.1	4.1	-2.3			53.9	7.7	11.4	-2.3	4.6	3.8	
27	18.1	21.1	3.7	-2.7			53.9	7.7	7.9	-2.8	4.2	8.4	
28	21.7	19.2	3.7	-3.0			52.2	6.7	4.8	-1.0	6.2	56.0	
29	18.1	16.3	3.7	-3.3			34.0	11.6	11.4	-0.6	5.0	28.5	
30	13.9	19.2	1.7	-3.5		4.5	17.3	15.8	20.6	0.8	8.0	18.1	
31	10.3		1.7	-3.5				10.6		-0.3	8.0		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	22	11	1	1	0	0	7	6	0	48
MED	16.9	41.5	8.4	-0.9	0.0	1.6	37.9	13.5	17.3	8.5	20.1	9.8	15.1
MAX	80.3	141.6	28.6	2.1	8.3	4.5	66.1	35.1	55.2	63.2	340.0	56.0	340.0
MIN	4.2	5.0	1.7	-3.5	-3.8	-0.9	-0.8	3.4	3.4	-2.8	-1.5	1.6	-3.8

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,992 / 1,993

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	15.3	54.6	14.2	12.6	2.6	-2.4	-5.0	25.8	31.2	3.5	-3.8	-1.9	
2	11.8	38.3	15.0	11.0	2.6	-2.7	-3.8	23.2	29.9	1.8	-1.9	-2.5	
3	11.8	33.9	31.8	10.2	2.6	-2.7	-5.6	23.2	15.0	0.3	-3.6	-2.8	
4	45.2	43.1	95.0	8.8	2.6	-2.7	-5.6	21.9	13.0	-0.2	-3.8	-3.2	
5	284.5	39.5	139.6	8.8	2.6	-2.7	-3.1	24.5	8.8	-0.7	-3.8	-3.8	
6	216.1	32.8	49.0	8.8	1.6	-3.1	-1.2	25.8	8.8	2.3	-3.8	-3.8	
7	93.7	30.7	133.9	8.1	0.6	-3.1	4.2	21.9	8.1	1.8	-3.8	-3.8	
8	59.5	26.4	187.5	8.1	0.6	-3.1	7.4	19.4	8.1	-0.2	-3.9	-3.8	
9	59.5	21.9	107.1	8.1	0.0	-3.1	2.6	16.8	8.1	-1.7	-3.8	-3.6	
10	91.4	20.1	66.0	7.5	0.0	-0.5	1.8	21.9	13.0	-3.4	-3.6	-3.6	
11	66.4	18.3	49.0	6.9	0.0	-2.4	1.8	24.5	33.8	-3.4	-3.6	-3.4	
12	50.4	19.2	40.7	6.9	0.0	-1.0	-1.2	23.2	18.0	-3.7	-3.6	-3.8	
13	41.4	19.2	39.5	9.4	-0.5	-2.4	-0.6	21.9	11.0	-4.0	-3.6	-3.8	
14	34.9	23.7	44.2	16.6	-1.0	-2.4	-1.9	18.1	7.4	-4.0	-3.8	-3.4	
15	32.4	30.7	40.7	15.0	-1.0	-2.4	-1.2	18.1	6.7	-4.3	-3.8	-3.4	
16	31.1	49.0	37.1	13.4	0.0	-1.0	-2.5	13.0	5.9	-4.3	-3.8	-3.4	
17	168.4	62.9	36.0	11.8	0.0	-2.0	-2.5	10.0	4.5	-4.5	-3.8	-3.2	
18	78.6	61.5	31.8	10.2	0.0	-1.0	-1.2	21.9	3.8	-4.5	-3.8	-0.2	
19	62.9	64.5	29.6	9.4	0.0	3.1	2.6	47.9	3.2	-4.7	-3.8	-0.2	
20	68.2	78.4	26.4	8.8	-0.5	4.4	8.3	52.3	3.8	-5.1	-3.8	-1.9	
21	59.5	58.7	24.6	8.1	-1.0	6.3	6.6	39.0	9.6	-5.1	-3.8	-1.3	
22	54.3	39.5	22.8	8.1	-1.5	11.8	13.7	25.8	39.7	-5.1	-1.9	85.8	
23	85.5	32.8	21.9	8.1	-1.5	8.8	9.2	20.7	17.0	-5.3	-3.9	76.6	
24	91.4	28.5	24.6	7.5	-2.4	30.7	47.3	24.5	10.3	-5.3	-3.8	87.6	
25	75.1	24.6	27.5	7.5	-2.7	18.3	39.1	36.1	6.7	-5.3	-2.2	61.9	
26	59.5	22.8	23.7	7.5	-1.0	11.0	46.4	58.9	3.8	-5.3	8.6	34.7	
27	62.9	21.9	21.0	6.9	-2.0	6.3	34.6	70.0	0.8	-4.9	12.7	35.9	
28	57.7	20.1	18.3	6.9	-2.0	3.1	27.3	50.8	-1.0	-4.7	7.4	19.0	
29	242.2	17.4	17.4	5.6		2.1	31.7	30.2	1.4	-4.9	1.3	15.6	
30	269.4	15.0	15.8	4.4		3.7	28.7	20.7	1.4	-4.9	-0.7	16.3	
31	121.9		14.2	3.1		3.7		15.6		-4.9	-1.9		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	0	12	18	13	0	1	26	27	21	118
MED	87.2	35.0	46.6	8.8	0.0	2.3	9.3	28.0	11.0	-3.0	-2.0	12.4	19.8
MAX	284.5	78.4	187.5	16.6	2.6	30.7	47.3	70.0	39.7	3.5	12.7	87.6	284.5
MIN	11.8	15.0	14.2	3.1	-2.7	-3.1	-5.6	10.0	-1.0	-5.3	-3.9	-3.8	-5.6

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,993 / 1,994

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	25.0	28.3	13.8	88.8	23.5	32.2	20.9	47.9	45.6	4.7	-3.0	0.1	
2	57.5	29.6	13.8	57.9	23.5	27.1	20.9	49.4	52.9	3.5	-1.9	-1.3	
3	57.5	85.1	15.5	56.4	20.5	27.1	14.5	46.4	47.0	4.1	-1.9	-1.3	
4	80.3	63.8	16.5	75.9	24.5	43.2	11.5	58.9	29.9	4.1	-2.2	-2.4	
5	56.0	43.2	13.1	53.5	70.4	49.1	18.3	50.8	24.8	2.3	-3.4	-3.1	
6	57.5	50.5	10.9	132.8	38.7	47.6	12.5	33.1	23.6	1.8	-3.2	-2.4	
7	58.9	49.1	10.2	87.0	29.6	49.1	19.6	36.1	20.0	1.8	-3.6	-3.1	
8	57.5	44.6	11.6	53.5	24.5	40.2	30.2	64.4	18.0	0.8	-3.8	-1.7	
9	45.7	34.7	24.5	49.1	24.5	40.2	15.8	36.1	15.0	0.3	-3.8	-0.6	
10	50.1	28.3	19.5	94.3	20.5	40.2	11.5	24.5	14.0	-0.2	-3.8	-1.3	
11	98.7	24.5	17.5	74.1	19.5	38.7	10.5	24.5	11.0	-0.2	-3.6	-2.4	
12	196.0	22.5	13.8	63.8	34.7	38.7	12.5	27.2	8.1	-0.2	-3.8	-3.1	
13	110.5	18.5	10.9	70.4	36.0	32.2	12.5	18.1	3.8	-0.7	-3.8	-1.7	
14	115.0	15.5	10.2	57.9	38.7	27.1	11.5	39.0	4.5	-1.2	-3.8	-0.9	
15	66.3	14.5	8.0	49.1	24.5	28.3	9.5	30.2	5.2	-1.2	-3.8	-0.6	
16	50.1	14.5	6.7	43.2	20.5	29.6	6.5	37.6	5.2	-1.2	-3.9	0.5	
17	57.5	13.1	4.9	37.3	17.5	30.9	3.8	43.5	6.7	-1.2	-3.8	3.6	
18	54.5	11.6	3.7	29.6	17.5	28.3	2.3	31.7	8.1	-3.4	-3.8	1.5	
19	47.1	10.9	2.5	27.1	17.5	25.8	3.1	23.2	8.8	-2.2	-3.9	0.1	
20	39.8	9.4	3.7	24.5	15.5	25.8	5.5	24.5	5.2	-2.2	-3.9	0.1	
21	33.4	8.7	7.3	22.5	20.5	27.1	7.5	49.4	3.8	-2.8	-3.9	3.6	
22	29.6	6.7	6.7	20.5	17.5	25.8	10.5	116.8	3.2	-2.8	-3.9	4.1	
23	26.0	6.7	4.9	16.5	20.5	23.5	36.1	92.0	2.0	-2.2	-3.9	22.6	
24	21.0	6.1	5.5	16.5	27.1	24.5	39.1	77.3	2.0	-3.1	-3.9	70.1	
25	19.0	6.1	53.5	19.5	28.3	29.6	24.7	66.3	3.2	-4.3	-3.9	30.0	
26	21.0	5.5	121.5	21.5	32.2	36.0	17.1	53.8	3.8	-4.7	-3.8	19.1	
27	21.0	4.9	41.7	22.5	44.6	32.2	24.7	42.0	2.0	-4.0	-3.8	14.3	
28	61.9	4.9	34.7	25.8	38.7	25.8	39.1	33.1	1.4	-4.0	-3.9	10.6	
29	60.4	3.7	36.0	29.6		27.1	45.0	33.1	0.2	-3.4	-3.9	9.4	
30	45.7	4.9	53.5	25.8		29.6	50.9	33.1	0.2	-3.7	-3.8	8.8	
31	37.2		53.5	23.5		29.6		36.1		-4.0	9.8		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	0	0	0	0	0	0	0	22	30	14	**66**
MED	56.7	22.3	20.9	47.4	27.6	32.6	18.3	44.5	12.6	-0.9	-3.1	5.8	**23.8**
MAX	196.0	85.1	121.5	132.8	70.4	49.1	50.9	116.8	52.9	4.7	9.8	70.1	**196.0**
MIN	19.0	3.7	2.5	16.5	15.5	23.5	2.3	18.1	0.2	-4.7	-3.9	-3.1	**-4.7**

DIFERENCIA ENTRE LOS CAUDALES (m^3/s) DEL RÍO ARAGÓN EN LA EA-170 Y LOS ECOLÓGICOS. DÍAS DEFICITARIOS

AÑO HIDROLÓGICO: 1,994 / 1,995

DÍA	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	
1	15.1	21.0	1.6	137.7	25.5	14.3	-0.1	0.3	6.9	3.0	-1.0	-1.5	
2	16.7	16.6	1.6	46.6	22.8	13.3	0.9	0.8	5.4	4.6	4.8	-1.6	
3	13.5	15.8	0.0	27.5	21.9	12.8	3.8	2.3	4.9	2.6	2.4	-1.8	
4	11.3	241.7	-0.5	20.1	21.9	13.8	5.7	1.8	4.5	4.1	0.6	-2.0	
5	10.6	130.1	-1.0	15.8	20.1	28.5	6.2	0.8	3.5	3.3	-0.2	-1.8	
6	8.8	37.1	0.0	29.6	20.1	70.9	5.7	0.8	3.5	1.9	-0.8	-1.8	
7	7.5	26.4	-1.0	41.9	18.3	34.0	4.7	0.3	3.0	0.9	-1.0	-1.8	
8	6.9	25.5	1.1	30.7	16.6	25.4	4.7	-0.6	1.7	0.6	-1.0	-1.5	
9	4.6	26.4	-1.0	31.8	33.9	21.1	3.8	-0.6	3.0	-0.6	-1.3	-1.0	
10	4.6	47.8	-1.5	32.8	17.4	19.3	4.7	1.8	2.6	-0.6	-0.8	-0.8	
11	6.2	50.4	-0.5	26.4	15.0	22.4	4.7	1.3	0.9	-0.4	1.1	-0.2	
12	8.1	44.2	0.6	60.1	13.4	26.7	4.3	-0.1	-1.2	0.9	0.3	2.1	
13	8.8	58.7	0.0	35.0	13.4	26.0	4.3	0.8	-1.2	-0.9	0.0	4.5	
14	8.1	38.3	-1.5	23.7	13.4	24.8	3.3	-2.6	-1.2	-0.4	-0.5	3.1	
15	7.5	27.5	-3.1	18.3	13.4	19.9	1.8	-0.1	-1.2	-0.1	-0.8	2.8	
16	23.5	22.8	-3.8	17.4	12.6	16.8	0.9	13.3	-1.2	-1.2	-1.0	1.7	
17	26.2	21.0	-5.8	17.4	11.8	15.2	-1.1	89.1	-1.2	-1.2	-1.0	2.1	
18	17.5	18.3	-6.3	31.8	15.0	14.3	-0.6	25.3	-2.2	-1.5	-1.3	15.8	
19	18.3	17.4	-6.4	38.3	21.0	14.7	0.4	22.5	-1.9	-0.6	-1.5	14.8	
20	59.8	15.8	-6.1	22.8	27.5	15.2	-0.6	10.9	0.5	-1.7	-1.6	12.4	
21	34.3	15.8	-5.8	20.1	25.5	14.7	-1.6	5.3	0.9	-2.0	-1.6	15.3	
22	28.0	14.2	21.0	18.3	23.7	13.3	-2.0	2.8	0.9	-0.9	-1.6	10.9	
23	84.2	13.4	3.1	18.3	21.0	12.8	-3.0	1.8	0.1	-1.7	-1.5	7.3	
24	44.4	11.0	2.1	36.0	26.4	13.3	-3.9	1.3	-0.8	-2.8	-1.3	5.2	
25	30.0	6.9	2.1	51.8	62.9	13.3	-3.0	1.3	-1.9	-3.0	-1.0	4.8	
26	24.4	6.3	2.6	44.2	60.1	13.3	-4.3	0.8	-2.6	-3.0	-1.3	3.1	
27	20.8	5.6	3.1	39.5	21.7	13.8	-4.8	-0.6	-2.9	-3.0	-1.3	3.4	
28	155.3	4.4	3.1	28.5	18.0	13.8	-3.0	-0.6	-3.9	-2.5	-1.3	3.4	
29	58.5	3.7	3.7	21.9		12.8	-0.1	0.8	-2.6	-2.8	-1.3	2.8	
30	38.5	2.6	5.0	33.9		13.3	0.4	0.8	-1.9	-3.3	-1.5	2.8	
31	28.9		81.7	33.9		11.4		-0.6		-3.3	-1.5		
RESUMEN MENSUAL Y ANUAL													
DIAS DEF	0	0	14	0	0	0	13	8	15	22	25	11	108
MED	26.8	32.9	2.8	33.9	22.7	19.2	1.1	5.8	0.5	-0.5	-0.6	3.4	12.3
MAX	155.3	241.7	81.7	137.7	62.9	70.9	6.2	89.1	6.9	4.6	4.8	15.8	241.7
MIN	4.6	2.6	-6.4	15.8	11.8	11.4	-4.8	-2.6	-3.9	-3.3	-1.6	-2.0	-6.4