



BALANCE HIDRICO SUPERFICIAL DEL PARAGUAY

CUENCAS VERTIENTES AL RÍO PARAGUAY – REGION ORIENTAL

CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
RÍO APA 4098 Km²	PRECIPITACION CUENCA (mm)	81.54	144.59	175.82	190.01	170.25	160.6	136.29	114.78	125.09	56.24	40.88	38.57	1434.64
	ETP CUENCA (mm)	121.87	145.64	147.33	149.28	141.16	116.08	128.23	102.52	79.98	74.27	88.68	113.43	1408.46
	ETR CUENCA (mm)	71.75	108.02	127.35	136.97	133.1	110.78	120.16	92.81	75.04	71.51	76.02	62.66	1186.18
	ESCORRENTIA (mm)	7.67	17.57	28.2	37.22	32.25	27.96	25.29	18.88	27.63	10.81	8.73	8.35	250.57
	CAUDAL (m³/s)	45.57	101.04	167.55	214.01	185.42	177.96	145.41	112.17	158.89	64.22	50.21	48.02	122.54
	q (CAUDAL ESPECIFICO) (lts/s Km²)	2.96	6.56	10.88	13.9	12.04	11.56	9.44	7.28	10.32	4.17	3.26	3.12	7.96
	APORTACION TOTAL (Hm³)	118.11	270.63	434.29	573.21	496.62	430.53	389.46	290.75	425.57	166.47	134.48	128.61	3858.73
RÍO AQUIDABAN 11.611 Km²	PRECIPITACION CUENCA (mm)	85.78	146.53	187.4	186.35	165.49	160.67	136.28	124.84	131.21	65.25	42.35	38.41	1470.54
	ETP CUENCA (mm)	119.39	144.49	150.11	158.29	150.43	120.94	130.02	100.97	76.36	66.19	80.98	107.76	1405.92
	ETR CUENCA (mm)	76.49	111.28	131	144.75	137.36	109.12	117.64	89.49	71	64.84	73.9	76.71	1203.58
	ESCORRENTIA (mm)	8.18	18.58	35.42	35.84	31.58	29.11	24.33	23.52	32.37	12.58	9.36	8.23	269.11
	CAUDAL (m³/s)	36.66	80.55	158.67	155.35	136.89	139.74	105.49	105.35	140.33	56.35	40.59	35.68	99.3
	q (CAUDAL ESPECIFICO) (lts/s Km²)	3.16	6.94	13.67	13.38	11.79	12.03	9.09	9.07	12.09	4.85	3.5	3.07	8.55
	APORTACION TOTAL (Hm³)	95.01	215.73	411.27	416.09	366.66	338.05	282.54	273.06	375.85	146.06	108.7	95.55	3124.59
RÍO YPANE 9.977 KM²	PRECIPITACION CUENCA (mm)	90.11	150.94	191.08	182.68	156.14	155.47	129.15	131.69	134.57	72.1	50.24	45.28	1489.43
	ETP CUENCA (mm)	109.98	133.37	139.97	146.69	137.85	112.96	119.41	94.52	73	61.56	76.74	101.26	1307.3
	ETR CUENCA (mm)	81.98	109.83	128.39	140.72	129.79	104.72	110.42	85.14	69.24	61.03	73.37	85.81	1180.45
	ESCORRENTIA (mm)	11.85	23.44	42.06	38.57	33.12	30.65	25.21	30.53	38.34	16.82	11.67	9.65	311.91
	CAUDAL (m³/s)	45.62	87.32	161.88	143.68	123.37	126.41	93.9	117.53	142.8	64.74	43.49	35.94	98.89
	q (CAUDAL ESPECIFICO) (lts/s Km2)	4.57	8.75	16.23	14.4	12.37	12.67	9.41	11.78	14.31	6.49	4.36	3.6	9.91
	APORTACION TOTAL (Hm³)	118.24	233.87	419.6	384.84	330.42	305.81	251.49	304.64	382.47	167.81	116.47	96.27	3111.96
INTERCUENCA ARROYO TAGATIYA 4.020 Km²	PRECIPITACION CUENCA (mm)	58.49	137.85	164.83	159.4	162.71	150.17	130.67	111.01	122.95	49.79	35.38	31.93	1315.17
	ETP CUENCA (mm)	132.64	157.66	161.74	172.89	165.87	130.48	144.83	108.26	80.99	75.68	90.97	117.51	1539.51
	ETR CUENCA (mm)	55.95	97.61	125.61	135.22	125.98	104.76	119.65	90.48	69.57	68.47	64.67	53.71	1111.7
	ESCORRENTIA (mm)	5.39	16.04	25.1	25.61	29.28	23.15	19.73	15.59	24.87	7.31	6.78	6.07	204.91
	CAUDAL (m³/s)	8.37	24.1	38.95	38.46	43.98	38.5	29.63	24.19	37.35	11.34	10.18	9.12	26.18
	q (CAUDAL ESPECIFICO) (lts/s Km2)	2.08	5.99	9.68	9.56	10.93	9.57	7.36	6.01	9.28	2.82	2.53	2.27	6.51
	APORTACION TOTAL (Hm³)	21.68	64.54	100.97	103.02	117.8	93.15	79.36	62.7	100.03	29.4	27.27	24.43	824.36
INTERCUENCA Aº CABRAL CUE 3.250 Km²	PRECIPITACION CUENCA (mm)	71.02	126.88	174.17	162.64	147.1	143.27	123.67	126.16	124.19	58.93	42.77	33.54	1334.34
	ETP CUENCA (mm)	116.81	142.2	149.14	164.55	154.87	124.16	129.3	98.29	73.22	59.1	73.85	101.66	1387.14
	ETR CUENCA (mm)	70.15	100.96	120.92	138.67	121.58	98.11	106.67	79.56	66.21	57.47	67.37	73.73	1101.39
	ESCORRENTIA (mm)	6.98	13.34	33.44	26.8	28.74	25.08	20.74	25.78	31.25	8.36	8.26	6.6	235.38
	CAUDAL (m³/s)	8.76	16.19	41.93	32.52	34.87	33.7	25.17	32.32	37.92	10.49	10.03	8.01	24.32
	q (CAUDAL ESPECIFICO) (lts/s Km2)	2.69	4.98	12.9	10.01	10.73	10.37	7.74	9.95	11.67	3.23	3.09	2.47	7.48
	APORTACION TOTAL (Hm³)	22.69	43.36	108.68	87.1	93.39	81.52	67.41	83.78	101.56	27.18	26.86	21.46	764.98



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RÍO TEBICUARY 27.314 Km ²	PRECIPITACION CUENCA (mm)	101.88	170.49	175.04	140.51	154.19	140.33	124.6	172.36	143.78	98.7	80.45	66.22	1568.52
	ETP CUENCA (mm)	99.41	130.95	149.26	170.26	160.4	129.88	128.48	93.99	65.75	47.52	65.43	86.31	1327.64
	ETR CUENCA (mm)	90.16	113.28	128.26	126.92	106.13	97.63	97.35	76.1	62.09	46.22	63.89	79.87	1087.91
	ESCORRENTIA (mm)	26.25	44.67	53.01	39.84	41.19	37.11	33.75	52.58	54.45	39.56	35.39	26.77	484.57
	CAUDAL (m ³ /s)	276.68	455.76	558.86	406.5	420.24	419.2	344.34	554.26	555.45	417.04	361.07	273.07	420.21
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	10.13	16.68	20.45	14.88	15.38	15.34	12.6	20.28	20.33	15.26	13.21	9.99	15.38
	APORTACION TOTAL (Hm ³)	717.16	1220.69	1448.57	1088.76	1125.57	1014.14	922.29	1436.63	1487.73	1080.98	967.09	731.4	13241
	RÍO JEJUI 20.337 Km ²	PRECIPITACION CUENCA (mm)	99.3	156.74	188.38	171.91	137.03	130.16	102.14	145.41	153.4	82.53	67.34	60.09
ETP CUENCA (mm)	101.43	128.23	140.45	153.26	142.1	116.18	119.54	92.16	68.43	52.94	69.05	92.02	1275.78	
ETR CUENCA (mm)	79.46	107	124.66	131.89	110.09	90.45	95.93	71.25	63.24	52.03	67.27	81.82	1075.07	
ESCORRENTIA (mm)	21.09	34.94	52.35	49.26	39.19	33.05	26.62	37.48	54.48	31.06	25.52	19.54	424.59	
CAUDAL (m ³ /s)	165.49	265.26	410.75	373.99	297.53	277.86	202.12	294.1	413.67	243.73	193.79	148.4	273.89	
q (CAUDAL ESPECIFICO) (lts/s Km ²)	8.14	13.04	20.2	18.39	14.63	13.66	9.94	14.46	20.34	11.98	9.53	7.3	13.47	
APORTACION TOTAL (Hm ³)	428.95	710.48	1064.67	1001.71	796.91	672.2	541.37	762.32	1107.99	631.75	519.04	397.49	8634.87	
RÍO MANDUVIRÁ. 14.554 Km ²	PRECIPITACION CUENCA (mm)	92.24	160.41	177.65	157.58	138.57	124.05	106.14	151.15	138.41	80.97	61.92	52.75	1441.83
	ETP CUENCA (mm)	103.86	130.5	146.35	165.41	150.64	123.63	125.54	93.84	68.4	50.94	66.77	91.8	1317.67
	ETR CUENCA (mm)	78.87	105.57	125.08	128.78	104.54	91.85	93.38	71.41	63.43	49.49	63.76	78.58	1054.73
	ESCORRENTIA (mm)	18.56	34.87	48.67	41.3	37.07	30.5	25.85	38.16	46.87	28.75	23.46	17.26	391.33
	CAUDAL (m ³ /s)	104.16	189.39	273.15	224.3	201.34	183.42	140.38	214.19	254.55	161.36	127.44	93.77	180.62
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	7.16	13.02	18.78	15.42	13.84	12.61	9.65	14.72	17.5	11.09	8.76	6.45	12.42
	APORTACION TOTAL (Hm ³)	269.97	507.25	708	600.75	539.26	443.72	376	555.17	681.8	418.25	341.33	251.14	5692.64
	INTERCUENCA LAGO YPOA 6.689 Km ²	PRECIPITACION CUENCA (mm)	85.85	155.41	169.46	160.79	153.95	137.05	127.1	158.35	125.91	83.93	55.48	57.52
ETP CUENCA (mm)		108	132.13	152.78	175.83	159.76	132.43	131.01	96.9	69.16	49.2	65.98	93.85	1367
ETR CUENCA (mm)		81.95	101.33	120.23	126.25	109.87	97.75	97.21	76.07	63.51	47.16	61.13	79.88	1062.35
ESCORRENTIA (mm)		17.55	33.9	46.1	42.25	40.54	35.53	34.31	45.41	44.17	30.56	23.39	18.19	411.9
CAUDAL (m ³ /s)		45.22	84.53	118.8	105.36	101.09	98.09	85.56	117.01	110.15	78.74	58.33	45.35	87.35
q (CAUDAL ESPECIFICO) (lts/s Km ²)		6.77	12.66	17.79	15.77	15.13	14.69	12.81	17.52	16.49	11.79	8.73	6.79	13.08
APORTACION TOTAL (Hm ³)		117.2	226.41	307.92	282.19	270.75	237.3	229.17	303.29	295.03	204.1	156.23	121.47	2751.05
INTERCUENCA ARROYO ÑEEMBUCÚ 6.138 Km ²		PRECIPITACION CUENCA (mm)	89.06	161	168.76	126.77	181.18	148.12	136.6	188.91	140.53	79.53	57.33	47.41
	ETP CUENCA (mm)	103.58	138.73	158.25	178.56	175.07	140.59	135.55	95.33	69.52	50.25	67.74	88.74	1401.88
	ETR CUENCA (mm)	81.54	112.42	121.97	115.82	110.36	102.28	98.56	78.95	66.14	48.68	63.73	75.16	1075.62
	ESCORRENTIA (mm)	16.35	34.08	44.18	32.83	49.73	41.88	38.84	63.86	55.93	34.01	24.57	17.13	453.37
	CAUDAL (m ³ /s)	38.71	78.09	104.61	75.23	113.96	106.26	89.02	151.22	128.17	80.53	56.31	39.26	88.45
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	6.31	12.72	17.04	12.26	18.57	17.31	14.5	24.64	20.88	13.12	9.17	6.4	14.41
	APORTACION TOTAL (Hm ³)	100.34	209.15	271.16	201.5	305.23	257.06	238.42	391.96	343.29	208.73	150.81	105.15	2782.8



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CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
RIO PIRATY 1.541 Km²	PRECIPITACION CUENCA (mm)	113.8	178.1	178.7	199.9	161.7	146.3	111.0	135.5	167.9	90.1	70.1	71.7	1624.8
	ETP CUENCA (mm)	95.2	120.2	133.3	136.9	129.0	107.6	108.3	87.8	66.7	54.4	68.6	88.5	1196.3
	ETR CUENCA (mm)	81.8	107.5	126.1	130.2	123.1	99.3	100.9	76.3	63.6	53.9	68.4	83.0	1114.3
	ESCORRENTIA (mm)	33.52	47.54	50.00	55.17	46.32	39.34	36.75	40.03	59.25	40.05	34.76	32.37	515.09
	CAUDAL (m ³ /s)	19.91	27.34	29.71	31.72	26.63	25.04	21.13	23.78	34.07	23.80	19.99	18.61	25.14
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	12.93	17.75	19.29	20.60	17.29	16.26	13.72	15.44	22.12	15.45	12.98	12.09	16.33
	APORTACION TOTAL (Hm ³)	51.61	73.21	77.00	84.97	71.33	60.58	56.59	61.64	91.25	61.68	53.53	49.85	793.24
ARROYO GASORY 243 km²	PRECIPITACION CUENCA (mm)	115.3	174.3	172.3	196.6	167.2	140.9	107.6	139.8	177.4	99.0	83.0	76.7	1649.9
	ETP CUENCA (mm)	95.2	120.2	133.3	136.9	129.0	107.6	108.3	87.8	66.7	54.4	68.6	88.5	1196.3
	ETR CUENCA (mm)	85.2	108.6	124.3	128.3	121.1	99.6	99.5	75.0	63.1	53.9	67.6	84.5	1110.7
	ESCORRENTIA (mm)	36.88	49.02	50.80	57.32	47.53	39.55	37.45	41.65	65.97	42.61	39.02	36.37	544.17
	CAUDAL (m ³ /s)	3.46	4.45	4.76	5.20	4.31	3.97	3.40	3.91	5.99	4.00	3.54	3.30	4.19
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.23	18.30	19.60	21.40	17.75	16.35	13.98	16.07	24.63	16.44	14.57	13.58	17.23
	APORTACION TOTAL (Hm ³)	8.96	11.91	12.34	13.93	11.55	9.61	9.10	10.12	16.03	10.36	9.48	8.84	132.23
RIO BRILLANTE 123.2 km²	PRECIPITACION CUENCA (mm)	118.2	177.4	166.3	201.3	175.5	145.6	111.5	136.3	182.8	100.5	82.8	78.6	1676.8
	ETP CUENCA (mm)	92.8	120.8	136.0	146.4	136.1	111.0	113.2	87.9	64.6	49.4	64.7	85.6	1208.6
	ETR CUENCA (mm)	86.1	110.7	126.6	134.7	124.8	101.2	102.8	74.9	60.9	49.0	64.0	83.1	1118.9
	ESCORRENTIA (mm)	39.13	52.45	50.65	59.08	50.00	40.75	38.92	41.39	68.54	44.18	40.38	38.37	563.84
	CAUDAL (m ³ /s)	1.86	2.41	2.41	2.72	2.30	2.08	1.79	1.97	3.15	2.10	1.86	1.77	2.20
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	15.10	19.58	19.54	22.06	18.67	16.84	14.53	15.97	25.59	17.05	15.08	14.33	17.84
	APORTACION TOTAL (Hm ³)	4.82	6.46	6.24	7.28	6.16	5.02	4.79	5.10	8.44	5.44	4.98	4.73	69.47
RIO CARAPA 2.678 km²	PRECIPITACION CUENCA (mm)	110.6	167.4	183.5	189.8	151.6	132.9	101.2	145.3	172.4	96.8	82.2	74.1	1608.0
	ETP CUENCA (mm)	91.9	119.8	134.0	141.6	132.4	108.9	111.3	87.2	64.2	50.2	64.8	85.2	1191.4
	ETR CUENCA (mm)	84.2	109.0	125.8	132.6	121.9	97.1	97.8	72.4	60.7	49.8	64.5	82.3	1098.1
	ESCORRENTIA (mm)	35.13	45.42	52.33	54.01	42.09	36.14	34.13	40.27	62.10	40.31	37.61	34.81	514.35
	CAUDAL (m ³ /s)	36.23	45.33	53.97	53.90	42.01	39.94	34.06	41.53	61.98	41.57	37.54	34.74	43.57
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	13.55	16.96	20.19	20.17	15.71	14.94	12.74	15.54	23.19	15.55	14.04	12.99	16.30
	APORTACION TOTAL (Hm ³)	93.90	121.41	139.88	144.37	112.5	96.61	91.23	107.6	166.00	107.74	100.53	93.03	1374.86
ARROYO POZUELO 572.2 km²	PRECIPITACION CUENCA (mm)	113.4	168.6	191.9	167.0	150.2	123.3	105.6	161.3	172.4	104.2	83.7	81.4	1621.6
	ETP CUENCA (mm)	92.2	121.5	138.0	151.3	139.4	113.2	113.0	88.1	63.2	46.5	62.8	83.5	1211.6
	ETR CUENCA (mm)	86.0	112.2	129.8	137.8	116.5	99.2	94.2	73.9	60.3	46.1	62.2	81.4	1099.4
	ESCORRENTIA (mm)	37.61	49.57	53.63	51.67	43.70	36.74	35.70	42.01	61.12	41.97	40.72	38.59	533.04
	CAUDAL (m ³ /s)	8.30	10.59	11.84	11.04	9.34	8.69	7.63	9.28	13.06	9.27	8.70	8.25	9.67
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.51	18.51	20.69	19.29	16.31	15.19	13.33	16.21	22.82	16.19	15.20	14.41	16.89
	APORTACION TOTAL (Hm ³)	21.52	28.36	30.69	29.56	25.00	21.02	20.43	24.04	34.97	24.01	23.30	22.08	305.01



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RIO ITAMBEY 1.746 km ²	PRECIPITACION CUENCA (mm)	111.4	172.1	182.7	178.9	156.7	127.6	99.4	150.9	165.9	102.8	90.3	82.5	1621.4
	ETP CUENCA (mm)	94.7	123.1	138.5	152.5	140.6	114.0	116.0	89.7	65.3	48.9	65.4	87.2	1236.1
	ETR CUENCA (mm)	86.6	111.5	128.2	138.0	119.7	98.7	95.4	73.1	61.6	47.7	64.4	83.0	1107.9
	ESCORRENTIA (mm)	36.38	47.93	53.67	51.62	42.10	34.61	33.28	40.24	58.31	40.87	40.07	38.27	517.33
	CAUDAL (m ³ /s)	24.45	31.17	36.07	33.57	27.38	24.92	21.64	27.05	37.92	27.47	26.06	24.89	28.55
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.03	17.89	20.71	19.27	15.72	14.31	12.42	15.53	21.77	15.77	14.96	14.29	16.39
	APORTACION TOTAL (Hm ³)	63.37	83.49	93.49	89.91	73.33	60.29	57.97	70.10	101.57	71.20	69.81	66.66	901.19
RIO AZUL 97.4 km ²	PRECIPITACION CUENCA (mm)	116.0	176.0	176.6	181.2	164.4	136.4	104.5	146.3	170.4	107.0	92.6	85.0	1656.5
	ETP CUENCA (mm)	85.4	115.7	132.4	139.6	129.5	106.8	106.2	85.0	60.7	46.7	59.6	78.6	1146.0
	ETR CUENCA (mm)	81.6	110.8	125.9	130.4	118.5	98.2	96.6	73.3	57.4	46.2	58.7	78.0	1075.5
	ESCORRENTIA (mm)	41.12	54.10	55.89	55.96	47.02	39.12	37.47	43.24	64.00	44.57	43.86	42.28	568.64
	CAUDAL (m ³ /s)	1.55	1.97	2.10	2.04	1.71	1.58	1.36	1.63	2.33	1.68	1.60	1.54	1.76
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	15.86	20.20	21.56	20.89	17.56	16.17	13.99	16.68	23.90	17.20	16.38	15.79	18.02
	APORTACION TOTAL (Hm ³)	4.00	5.27	5.44	5.45	4.58	3.81	3.65	4.21	6.23	4.34	4.27	4.12	55.39
RIO LIMYOY 1000 km ²	PRECIPITACION CUENCA (mm)	111.4	172.1	182.7	178.9	156.7	127.6	99.4	150.9	165.9	102.8	90.3	82.5	1621.4
	ETP CUENCA (mm)	94.7	123.1	138.5	152.5	140.6	114.0	116.0	89.7	65.3	48.9	65.4	87.2	1236.1
	ETR CUENCA (mm)	86.6	111.5	128.2	138.0	119.7	98.7	95.4	73.1	61.6	47.7	64.4	83.0	1107.9
	ESCORRENTIA (mm)	36.36	47.92	53.67	51.62	42.11	34.62	33.30	40.25	58.30	40.89	40.07	38.26	517.37
	CAUDAL (m ³ /s)	14.03	17.89	20.71	19.27	15.72	14.31	12.43	15.53	21.77	15.78	14.96	14.29	16.39
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.028	17.89	20.708	19.273	15.723	14.313	12.433	15.53	21.765	15.775	14.96	14.285	16.385
	APORTACION TOTAL (Hm ³)	36.36	47.92	53.67	51.62	42.11	34.62	33.30	40.25	58.30	40.89	40.07	38.26	517.37
ARROYO ITABO GUAZU 809 km ²	PRECIPITACION CUENCA (mm)	119.1	183.8	181.5	161.9	169.5	137.7	113.6	156.1	164.1	114.0	88.5	89.2	1679.0
	ETP CUENCA (mm)	86.0	119.0	137.4	150.3	136.6	110.1	108.3	86.3	60.9	44.4	59.2	80.6	1179.2
	ETR CUENCA (mm)	82.3	114.8	129.8	137.1	115.1	99.3	94.0	74.1	57.7	43.8	58.0	80.0	1085.8
	ESCORRENTIA (mm)	43.95	59.13	59.87	52.09	48.44	40.03	40.69	48.51	64.66	47.96	45.08	46.27	596.67
	CAUDAL (m ³ /s)	13.72	17.86	18.69	15.74	14.63	13.39	12.29	15.14	19.53	14.97	13.62	13.98	15.29
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	16.96	22.08	23.10	19.45	18.08	16.55	15.19	18.71	24.14	18.50	16.83	17.27	18.90
	APORTACION TOTAL (Hm ³)	35.56	47.84	48.43	42.14	39.18	32.38	32.92	39.24	52.31	38.80	36.47	37.43	482.71
ARROYO PIRA PYTA 175 km ²	PRECIPITACION CUENCA (mm)	119.1	183.8	181.5	161.9	169.5	137.7	113.6	156.1	164.1	114.0	88.5	89.2	1679.0
	ETP CUENCA (mm)	86.0	119.0	137.4	150.3	136.6	110.1	108.3	86.3	60.9	44.4	59.2	80.6	1179.2
	ETR CUENCA (mm)	82.3	114.8	129.8	137.1	115.1	99.3	94.0	74.1	57.7	43.8	58.0	80.0	1085.8
	ESCORRENTIA (mm)	44.03	59.23	59.95	52.15	48.56	40.19	40.79	48.69	64.89	48.06	45.26	46.41	598.22
	CAUDAL (m ³ /s)	2.97	3.87	4.05	3.41	3.17	2.91	2.67	3.29	4.24	3.25	2.96	3.03	3.32
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	16.99	22.11	23.13	19.47	18.13	16.61	15.23	18.79	24.23	18.54	16.90	17.33	18.94
	APORTACION TOTAL (Hm ³)	7.70	10.37	10.49	9.13	8.50	7.03	7.14	8.52	11.36	8.41	7.92	8.12	104.69



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CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
RIO ACARAY 9.328 km²	PRECIPITACION CUENCA (mm)	111.9	168.6	191.9	167.0	150.2	123.3	105.6	161.3	172.4	104.2	83.7	81.4	1621.6
	ETP CUENCA (mm)	91.0	121.5	138.0	151.3	139.4	113.2	113.0	88.1	63.2	46.5	62.8	83.5	1211.6
	ETR CUENCA (mm)	84.1	109.2	125.9	130.1	108.8	91.8	90.2	71.3	59.8	45.8	62.0	79.1	1058.3
	ESCORRENTIA (mm)	37.97	53.90	66.86	54.46	44.77	35.08	32.37	49.52	73.14	44.00	39.81	37.70	569.58
	CAUDAL (m ³ /s)	136.61	187.67	240.55	189.62	155.88	135.22	112.70	178.19	254.68	158.33	138.63	131.28	168.28
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.65	20.12	25.79	20.33	16.71	14.50	12.08	19.11	27.31	16.98	14.86	14.08	18.04
	APORTACION TOTAL (Hm ³)	354.09	502.65	623.50	507.86	417.50	327.11	301.84	461.86	682.14	410.38	371.30	351.62	5311.86
RIO MONDAY 6.693 km²	PRECIPITACION CUENCA (mm)	106.9	172.6	183.4	139.7	162.9	129.1	122.5	161.4	164.0	108.2	96.0	79.7	1626.4
	ETP CUENCA (mm)	87.1	118.2	137.1	152.0	140.3	114.6	112.1	85.7	60.1	44.0	58.7	76.9	1186.8
	ETR CUENCA (mm)	83.6	113.0	125.0	126.1	107.2	95.2	90.0	71.8	56.7	43.2	57.8	74.5	1044.1
	ESCORRENTIA (mm)	38.65	57.42	64.75	46.24	48.06	37.03	39.73	51.88	69.43	46.29	46.98	41.49	587.93
	CAUDAL (m ³ /s)	99.86	143.54	167.26	115.59	120.15	102.50	99.31	134.03	173.57	119.57	117.46	103.73	124.72
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.913	21.437	24.979	17.262	17.944	15.307	14.832	20.016	25.921	17.857	17.541	15.491	18.62567
	APORTACION TOTAL (Hm ³)	258.83	384.46	433.54	309.59	321.82	247.96	266.00	347.39	464.88	309.93	314.59	277.82	334.04
RIO ÑACUNDAY 2.554 Km²	PRECIPITACION CUENCA (mm)	106.3	173.1	187.5	138.5	163.1	130.8	124.1	165.7	174.4	104.0	95.8	83.0	1646.4
	ETP CUENCA (mm)	87.6	118.7	138.1	154.4	143.4	116.5	114.4	85.8	60.0	44.1	59.4	76.7	1199.1
	ETR CUENCA (mm)	52.3	70.7	80.4	86.2	72.7	64.4	61.9	47.2	35.1	26.5	35.6	45.8	678.9
	ESCORRENTIA (mm)	76.40	98.59	100.50	92.22	83.90	68.75	68.56	74.94	89.63	93.92	86.85	81.63	1015.90
	CAUDAL (m ³ /s)	74.87	93.49	98.49	87.46	79.56	72.18	65.02	73.43	85.00	92.04	82.36	77.41	82.74
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	29.48	36.81	38.77	34.43	31.32	28.42	25.60	28.91	33.46	36.24	32.43	30.48	32.57
	APORTACION TOTAL (Hm ³)	194.06	250.42	255.28	234.25	213.11	174.62	174.14	190.34	227.66	238.56	220.60	207.35	2580.39
ARROYO YACUY GUASU 788 km²	PRECIPITACION CUENCA (mm)	103.59	180.50	178.92	138.62	170.43	141.62	134.23	167.10	181.02	108.96	96.62	78.19	1679.82
	ETP CUENCA (mm)	85.91	117.37	137.36	154.19	143.38	115.89	113.19	84.60	58.09	43.43	56.89	74.09	1184.38
	ETR CUENCA (mm)	85.17	116.28	130.97	134.07	113.47	101.29	97.00	75.15	55.41	43.21	56.42	74.00	1082.44
	ESCORRENTIA (mm)	57.00	58.79	44.30	45.19	42.50	42.04	53.43	71.86	48.00	47.76	43.02	49.49	603.37
	CAUDAL (m ³ /s)	17.29	17.83	13.43	13.70	12.89	12.75	16.20	21.79	14.56	14.48	13.05	15.01	23.77
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	21.99	22.68	17.09	17.43	16.39	16.22	20.61	27.73	18.52	18.42	16.60	19.09	30.24
	APORTACION TOTAL (Hm ³)	44.80	46.21	34.82	35.52	33.40	33.04	42.00	56.48	37.73	37.54	33.82	38.90	61.62
ARROYO YHACAMI 81 km²	PRECIPITACION CUENCA (mm)	102.66	181.55	174.45	137.31	174.19	144.57	138.29	166.86	180.60	112.04	97.81	74.89	1685.22
	ETP CUENCA (mm)	83.78	116.25	136.65	152.44	142.52	114.59	111.21	84.00	56.65	42.53	54.79	72.15	1167.57
	ETR CUENCA (mm)	83.46	115.15	132.03	133.33	114.04	101.29	96.03	75.60	54.11	42.32	54.43	72.09	1073.88
	ESCORRENTIA (mm)	40.87	58.64	58.12	44.65	46.55	43.95	44.19	55.02	73.08	50.05	49.37	43.53	608.02
	CAUDAL (m ³ /s)	1.28	1.83	1.82	1.40	1.45	1.37	1.38	1.72	2.28	1.56	1.54	1.36	1.58
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	15.77	22.62	22.42	17.23	17.96	16.96	17.05	21.23	28.19	19.31	19.05	16.79	19.54
	APORTACION TOTAL (Hm ³)	3.31	4.75	4.71	3.62	3.77	3.56	3.58	4.46	5.92	4.05	4.00	3.53	4.10



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ARROYO SAN JUAN 108,4 km²	PRECIPITACION CUENCA (mm)	102.66	181.55	174.45	137.31	174.19	144.57	138.29	166.86	180.60	112.04	97.81	74.89	1685.22
	ETP CUENCA (mm)	83.78	116.25	136.65	152.44	142.52	114.59	111.21	84.00	56.65	42.53	54.79	72.15	1167.57
	ETR CUENCA (mm)	83.46	115.15	132.03	133.33	114.04	101.29	96.03	75.60	54.11	42.32	54.43	72.09	1073.88
	ESCORRENTIA (mm)	41.03	58.84	58.34	44.82	46.70	44.12	44.33	55.22	73.36	50.23	49.56	43.69	610.24
	CAUDAL (m³/s)	1.71	2.45	2.43	1.87	1.95	1.84	1.85	2.30	3.06	2.09	2.07	1.82	2.12
	q (CAUDAL ESPECIFICO) (lts/s Km²)	15.83	22.70	22.51	17.29	18.02	17.02	17.10	21.31	28.30	19.38	19.12	16.85	19.62
	APORTACION TOTAL (Hm³)	4.43	6.35	6.30	4.84	5.04	4.76	4.79	5.96	7.92	5.43	5.35	4.72	5.49
ARROYO YHACA GUASU 298 km²	PRECIPITACION CUENCA (mm)	102.66	181.55	174.45	137.31	174.19	144.57	138.29	166.86	180.60	112.04	97.81	74.89	1685.22
	ETP CUENCA (mm)	83.78	116.25	136.65	152.44	142.52	114.59	111.21	84.00	56.65	42.53	54.79	72.15	1167.57
	ETR CUENCA (mm)	83.63	115.68	132.54	134.54	122.73	101.46	97.51	76.28	55.41	42.43	54.29	72.35	1088.86
	ESCORRENTIA (mm)	42.01	54.18	55.25	46.03	45.90	44.14	43.82	51.08	65.22	49.79	49.26	44.99	591.67
	CAUDAL (m³/s)	4.83	6.23	6.35	5.29	5.28	5.07	5.04	5.87	7.50	5.72	5.66	5.17	5.67
	q (CAUDAL ESPECIFICO) (lts/s Km²)	16.21	20.90	21.32	17.76	17.71	17.03	16.91	19.71	25.16	19.21	19.01	17.36	19.02
	APORTACION TOTAL (Hm³)	12.52	16.15	16.46	13.72	13.68	13.15	13.06	15.22	19.43	14.84	14.68	13.41	14.69
ARROYO GUARAPAY 441 Km²	PRECIPITACION CUENCA (mm)	107.53	185.99	177.09	140.61	169.52	142.11	134.52	167.60	180.23	113.92	98.43	82.88	1700.43
	ETP CUENCA (mm)	87.46	119.32	139.24	155.39	146.22	117.96	114.19	85.54	58.83	44.99	57.16	74.42	1200.72
	ETR CUENCA (mm)	86.80	118.51	133.15	134.26	115.04	102.11	97.48	75.48	56.35	44.81	56.83	74.32	1095.14
	ESCORRENTIA (mm)	41.24	59.92	58.77	45.26	45.36	43.10	41.84	53.77	71.04	49.26	48.39	44.32	50.19
	CAUDAL (m³/s)	7.02	10.20	10.00	7.70	7.72	7.33	7.12	9.15	12.09	8.38	8.23	7.54	8.54
	q (CAUDAL ESPECIFICO) (lts/s Km²)	15.91	23.12	22.67	17.46	17.50	16.63	16.14	20.75	27.41	19.00	18.67	17.10	19.37
	APORTACION TOTAL (Hm³)	18.19	26.43	25.92	19.96	20.01	19.01	18.45	23.71	31.33	21.72	21.34	19.54	22.14
ARROYO SAN RAFAEL 85 Km²	PRECIPITACION CUENCA (mm)	114.93	197.50	171.20	143.94	169.57	144.58	137.13	168.47	178.43	125.36	102.64	90.60	1744.33
	ETP CUENCA (mm)	89.33	121.06	140.55	156.94	148.34	119.82	115.71	86.25	59.68	46.28	57.82	75.18	1216.92
	ETR CUENCA (mm)	89.01	120.64	134.86	135.29	116.61	102.58	99.00	75.91	57.81	46.11	57.80	75.10	1110.72
	ESCORRENTIA (mm)	44.45	67.14	58.77	47.65	46.82	45.64	42.97	55.70	70.53	53.61	50.76	47.44	631.47
	CAUDAL (m³/s)	1.53	2.31	2.02	1.64	1.61	1.57	1.48	1.91	2.42	1.84	1.74	1.63	1.81
	q (CAUDAL ESPECIFICO) (lts/s Km²)	17.15	25.90	22.67	18.38	18.06	17.61	16.58	21.49	27.21	20.68	19.58	18.30	20.30
	APORTACION TOTAL (Hm³)	3.96	5.98	5.23	4.24	4.17	4.06	3.82	4.96	6.28	4.77	4.52	4.22	4.68
RIO TEMBEY 1.240 km²	PRECIPITACION CUENCA (mm)	106.01	185.36	182.21	141.27	161.07	136.82	126.73	166.65	177.91	110.32	90.64	86.78	1671.76
	ETP CUENCA (mm)	90.45	120.90	141.08	158.53	147.56	119.98	117.88	87.08	60.45	45.64	59.95	77.46	1226.94
	ETR CUENCA (mm)	88.97	119.43	130.69	134.06	113.45	100.83	97.97	75.19	57.68	45.43	59.35	76.81	1099.87
	ESCORRENTIA (mm)	38.27	57.30	58.84	43.94	42.37	40.28	37.95	50.50	66.98	45.80	43.85	42.22	568.30
	CAUDAL (m³/s)	18.31	27.41	28.15	21.02	20.27	19.27	18.16	24.16	32.04	21.91	20.98	20.20	22.66
	q (CAUDAL ESPECIFICO) (lts/s Km²)	14.77	22.11	22.70	16.95	16.35	15.54	14.64	19.48	25.84	17.67	16.92	16.29	18.27
	APORTACION TOTAL (Hm³)	47.46	71.05	72.96	54.48	52.54	49.94	47.06	62.62	83.06	56.79	54.38	52.35	58.72



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CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
ARROYO PIRAYU'I 1.220 km ²	PRECIPITACION CUENCA (mm)	106.01	185.36	182.21	141.27	161.07	136.82	126.73	166.65	177.91	110.32	90.64	86.78	1671.76
	ETP CUENCA (mm)	90.45	120.90	141.08	158.53	147.56	119.98	117.88	87.08	60.45	45.64	59.95	77.46	1226.94
	ETR CUENCA (mm)	88.97	119.43	130.69	134.06	113.45	100.83	97.97	75.19	57.68	45.43	59.35	76.81	1099.87
	ESCORRENTIA (mm)	38.27	57.30	58.84	43.94	42.37	40.28	37.95	50.50	66.98	45.80	43.85	42.22	568.30
	CAUDAL (m ³ /s)	18.01	26.97	27.70	20.68	19.94	18.96	17.86	23.77	31.53	21.56	20.64	19.87	22.29
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.77	22.11	22.70	16.95	16.35	15.54	14.64	19.48	25.84	17.67	16.92	16.29	18.27
	APORTACION TOTAL (Hm ³)	46.69	69.91	71.79	53.60	51.69	49.14	46.30	61.62	81.72	55.88	53.50	51.51	57.78
	PRECIPITACION CUENCA (mm)	107.02	191.78	178.80	141.95	157.35	136.45	125.32	165.83	174.17	116.28	86.45	90.41	1671.80
ARROYO MBOPICUA 48 km ²	ETP CUENCA (mm)	92.85	123.30	144.08	161.12	150.89	122.77	120.59	88.95	61.38	46.95	60.92	78.90	1252.70
	ETR CUENCA (mm)	91.12	121.14	131.64	132.89	113.48	99.97	98.14	76.21	58.63	46.56	59.83	78.19	1107.78
	ESCORRENTIA (mm)	37.56	59.47	57.33	43.74	41.38	40.00	36.68	49.84	63.90	46.31	41.93	41.78	559.91
	CAUDAL (m ³ /s)	0.70	1.10	1.06	0.81	0.77	0.74	0.68	0.92	1.18	0.86	0.78	0.77	0.86
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.49	22.94	22.12	16.88	15.96	15.43	14.15	19.23	24.65	17.86	16.18	16.12	17.99
	APORTACION TOTAL (Hm ³)	1.80	2.85	2.75	2.10	1.99	1.92	1.76	2.39	3.07	2.22	2.01	2.01	2.24
	PRECIPITACION CUENCA (mm)	107.02	191.78	178.80	141.95	157.35	136.45	125.32	165.83	174.17	116.28	86.45	90.41	1671.80
	ARROYO YAGUARASAPA 178 km ²	ETP CUENCA (mm)	92.85	123.30	144.08	161.12	150.89	122.77	120.59	88.95	61.38	46.95	60.92	78.90
ETR CUENCA (mm)		91.12	121.14	131.64	132.89	113.48	99.97	98.14	76.21	58.63	46.56	59.83	78.19	1107.78
ESCORRENTIA (mm)		37.55	59.48	57.34	43.78	41.36	40.02	36.69	49.80	63.92	46.30	41.93	41.79	559.96
CAUDAL (m ³ /s)		2.58	4.08	3.94	3.01	2.84	2.75	2.52	3.42	4.39	3.18	2.88	2.87	3.20
q (CAUDAL ESPECIFICO) (lts/s Km ²)		14.49	22.95	22.12	16.89	15.96	15.44	14.15	19.21	24.66	17.86	16.18	16.12	18.00
APORTACION TOTAL (Hm ³)		6.68	10.59	10.21	7.79	7.36	7.12	6.53	8.86	11.38	8.24	7.46	7.44	8.31
PRECIPITACION CUENCA (mm)		107.02	191.78	178.80	141.95	157.35	136.45	125.32	165.83	174.17	116.28	86.45	90.41	1671.80
ARROYO MANDUVI JU 301 km ²		ETP CUENCA (mm)	92.85	123.30	144.08	161.12	150.89	122.77	120.59	88.95	61.38	46.95	60.92	78.90
	ETR CUENCA (mm)	91.12	121.14	131.64	132.89	113.48	99.97	98.14	76.21	58.63	46.56	59.83	78.19	1107.78
	ESCORRENTIA (mm)	37.54	59.47	57.34	43.78	41.36	40.02	36.69	49.81	63.91	46.31	41.93	41.81	559.96
	CAUDAL (m ³ /s)	4.36	6.91	6.66	5.08	4.80	4.65	4.26	5.78	7.42	5.38	4.87	4.85	5.42
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	14.48	22.94	22.12	16.89	15.96	15.44	14.16	19.22	24.66	17.87	16.18	16.13	18.00
	APORTACION TOTAL (Hm ³)	11.30	17.90	17.26	13.18	12.45	12.05	11.04	14.99	19.24	13.94	12.62	12.58	14.05
	PRECIPITACION CUENCA (mm)	118.62	188.48	189.30	135.84	144.63	154.79	127.57	179.98	186.96	112.06	108.20	94.52	1740.96
	ARROYO PIRAPO 952 km ²	ETP CUENCA (mm)	95.93	127.80	146.93	167.71	158.26	126.16	125.63	91.65	62.31	47.03	62.31	81.45
ETR CUENCA (mm)		94.40	124.89	132.98	133.51	112.16	98.19	103.23	78.31	59.79	46.95	61.61	80.70	1126.71
ESCORRENTIA (mm)		43.29	61.44	63.85	44.88	41.13	45.25	38.58	55.86	71.45	48.12	51.38	46.23	611.46
CAUDAL (m ³ /s)		15.90	22.57	23.45	16.49	15.11	16.62	14.17	20.52	26.24	17.67	18.87	16.98	18.72
q (CAUDAL ESPECIFICO) (lts/s Km ²)		16.70	23.70	24.63	17.32	15.87	17.46	14.88	21.55	27.57	18.56	19.82	17.84	19.66
APORTACION TOTAL (Hm ³)		41.21	58.49	60.79	42.73	39.15	43.08	36.72	53.18	68.02	45.81	48.91	44.01	48.51



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CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
ARROYO MBARARE 160 km²	PRECIPITACION CUENCA (mm)	126.58	198.27	182.37	153.77	151.18	157.05	127.55	177.85	166.42	119.65	109.91	99.11	1769.72
	ETP CUENCA (mm)	95.66	127.99	147.15	168.10	159.26	127.11	125.78	90.23	62.66	45.98	60.61	80.87	1291.39
	ETR CUENCA (mm)	94.23	124.94	132.28	138.72	114.95	99.90	101.86	76.68	59.93	45.40	59.25	79.49	1127.64
	ESCORRENTIA (mm)	46.28	68.87	63.95	51.10	44.79	48.94	40.61	58.26	64.29	50.38	52.82	48.24	638.53
	CAUDAL (m ³ /s)	2.86	4.25	3.95	3.15	2.76	3.02	2.51	3.60	3.97	3.11	3.26	2.98	3.29
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	17.86	26.57	24.67	19.71	17.28	18.88	15.67	22.48	24.80	19.44	20.38	18.61	20.53
	APORTACION TOTAL (Hm ³)	7.41	11.02	10.23	8.18	7.17	7.83	6.50	9.32	10.29	8.06	8.45	7.72	8.52
ARROYO ITA CAGUARE 74 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.74	76.64	64.02	58.16	48.64	52.97	42.71	60.77	58.65	52.86	54.30	50.30	669.76
	CAUDAL (m ³ /s)	1.42	2.19	1.83	1.66	1.39	1.51	1.22	1.74	1.67	1.51	1.55	1.44	1.59
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.19	29.57	24.70	22.44	18.76	20.44	16.48	23.45	22.63	20.40	20.95	19.41	21.53
	APORTACION TOTAL (Hm ³)	3.68	5.67	4.74	4.30	3.60	3.92	3.16	4.50	4.34	3.91	4.02	3.72	4.13
ARROYO CAPIIBARY 1.008 km²	PRECIPITACION CUENCA (mm)	125.31	196.71	183.48	150.90	150.13	156.69	127.56	178.19	169.71	118.44	109.64	98.38	1765.11
	ETP CUENCA (mm)	95.70	127.96	147.11	168.04	159.10	126.96	125.76	90.45	62.60	46.14	60.88	80.96	1291.67
	ETR CUENCA (mm)	94.19	124.99	132.33	138.30	114.53	99.69	102.00	76.91	59.85	45.57	59.52	79.59	1127.47
	ESCORRENTIA (mm)	45.76	67.65	63.92	50.03	44.19	48.32	40.28	57.85	65.33	50.01	52.59	47.91	633.83
	CAUDAL (m ³ /s)	17.76	26.26	24.81	19.42	17.15	18.76	15.63	22.45	25.35	19.41	20.41	18.59	20.50
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	17.65	26.10	24.66	19.30	17.05	18.64	15.54	22.32	25.20	19.29	20.29	18.48	20.38
	APORTACION TOTAL (Hm ³)	46.03	68.06	64.30	50.33	44.45	48.61	40.53	58.20	65.72	50.31	52.90	48.19	53.14
ARROYO JHU 35 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.60	77.07	64.80	58.80	48.90	52.86	42.21	60.36	58.45	52.77	54.34	50.25	670.40
	CAUDAL (m ³ /s)	0.67	1.04	0.88	0.79	0.66	0.71	0.57	0.82	0.79	0.71	0.73	0.68	0.75
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.14	29.74	25.00	22.69	18.86	20.39	16.29	23.29	22.55	20.36	20.96	19.39	21.55
	APORTACION TOTAL (Hm ³)	1.74	2.70	2.27	2.06	1.71	1.85	1.48	2.11	2.05	1.85	1.90	1.76	1.96
ARROYO TEYU CUARE 49 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.71	76.65	64.03	58.13	48.61	52.88	42.68	60.75	58.70	52.83	54.31	50.29	669.60
	CAUDAL (m ³ /s)	0.94	1.45	1.21	1.10	0.92	1.00	0.81	1.15	1.11	1.00	1.03	0.95	1.05
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.18	29.57	24.70	22.43	18.76	20.40	16.46	23.44	22.65	20.38	20.95	19.40	21.53
	APORTACION TOTAL (Hm ³)	2.44	3.76	3.14	2.85	2.38	2.59	2.09	2.98	2.88	2.59	2.66	2.46	2.73



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ARROYO TRES PALMITOS 26 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.72	76.71	64.03	58.17	48.60	52.91	42.62	60.86	58.69	52.89	54.33	50.24	669.78
	CAUDAL (m ³ /s)	0.50	0.77	0.64	0.58	0.49	0.53	0.43	0.61	0.59	0.53	0.55	0.50	0.56
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.18	29.60	24.70	22.44	18.75	20.41	16.44	23.48	22.64	20.40	20.96	19.38	21.56
	APORTACION TOTAL (Hm ³)	1.29	1.99	1.66	1.51	1.26	1.38	1.11	1.58	1.53	1.38	1.41	1.31	1.45
	ARROYO MARCELINA CUE 10 Km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71
ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64	
ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36	
ESCORRENTIA (mm)	49.83	76.59	63.83	58.19	48.47	52.75	42.77	61.04	58.51	52.81	54.56	50.35	669.71	
CAUDAL (m ³ /s)	0.19	0.30	0.25	0.22	0.19	0.20	0.17	0.24	0.23	0.20	0.21	0.19	0.22	
q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.23	29.55	24.63	22.45	18.70	20.35	16.50	23.55	22.58	20.38	21.05	19.43	21.55	
APORTACION TOTAL (Hm ³)	0.50	0.77	0.64	0.58	0.48	0.53	0.43	0.61	0.59	0.53	0.55	0.50	0.56	
ARROYO VERDE 67 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.69	76.69	64.03	58.22	48.64	52.91	42.69	60.80	58.65	52.86	54.28	50.27	669.72
	CAUDAL (m ³ /s)	1.28	1.98	1.66	1.51	1.26	1.37	1.10	1.57	1.52	1.37	1.40	1.30	1.44
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.17	29.59	24.70	22.46	18.76	20.41	16.47	23.46	22.63	20.39	20.94	19.40	21.54
	APORTACION TOTAL (Hm ³)	3.33	5.14	4.29	3.90	3.26	3.55	2.86	4.07	3.93	3.54	3.64	3.37	3.74
	ARROYO OROY 19 km²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71
ETP CUENCA (mm)		95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
ETR CUENCA (mm)		94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
ESCORRENTIA (mm)		49.79	76.63	64.08	58.22	48.74	52.97	42.67	60.81	58.63	52.93	54.40	50.20	670.07
CAUDAL (m ³ /s)		0.37	0.56	0.47	0.43	0.36	0.39	0.31	0.45	0.43	0.39	0.40	0.37	0.41
q (CAUDAL ESPECIFICO) (lts/s Km ²)		19.21	29.57	24.72	22.46	18.80	20.43	16.46	23.46	22.62	20.42	20.99	19.37	21.54
APORTACION TOTAL (Hm ³)		0.95	1.46	1.22	1.11	0.93	1.01	0.81	1.16	1.11	1.01	1.03	0.95	1.06
ARROYO SANTA MARIA 287 km²		PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.72	76.65	64.03	58.17	48.64	52.92	42.70	60.79	58.65	52.87	54.32	50.32	669.77
	CAUDAL (m ³ /s)	5.49	8.46	7.07	6.42	5.37	5.84	4.71	6.71	6.47	5.83	5.99	5.55	6.16
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.18	29.57	24.70	22.44	18.77	20.42	16.47	23.45	22.63	20.40	20.96	19.41	21.53
	APORTACION TOTAL (Hm ³)	14.22	21.92	18.31	16.64	13.91	15.13	12.21	17.39	16.77	15.12	15.54	14.39	15.96



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CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
ARROYO TACUARY 1.010 km ²	PRECIPITACION CUENCA (mm)	121.74	197.11	191.87	132.78	150.98	169.33	123.00	203.00	176.43	126.03	116.45	83.11	1791.84
	ETP CUENCA (mm)	99.63	133.86	152.17	174.06	168.04	132.37	132.21	94.70	65.53	48.77	65.80	84.85	1351.99
	ETR CUENCA (mm)	96.31	127.69	137.10	136.05	110.56	101.86	107.22	78.99	62.99	48.09	65.12	83.95	1155.92
	ESCORRENTIA (mm)	42.86	62.29	65.23	43.66	42.84	50.16	38.61	65.92	68.75	53.00	56.10	43.11	632.53
	CAUDAL (m ³ /s)	16.70	24.27	25.42	17.01	16.69	19.55	15.04	25.69	26.79	20.65	21.86	16.80	20.54
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	16.54	24.03	25.16	16.84	16.53	19.35	14.89	25.43	26.53	20.45	21.64	16.63	20.34
	APORTACION TOTAL (Hm ³)	43.29	62.92	65.88	44.09	43.27	50.66	38.99	66.58	69.44	53.53	56.66	43.54	53.24
ARROYO YPECURU 349 km ²	PRECIPITACION CUENCA (mm)	134.55	208.06	175.43	171.70	157.73	159.30	127.54	175.71	145.88	127.25	111.62	103.71	1798.48
	ETP CUENCA (mm)	95.40	128.19	147.38	168.49	160.27	128.06	125.94	88.80	63.01	44.93	58.90	80.29	1289.64
	ETR CUENCA (mm)	94.36	124.52	131.77	140.24	117.33	101.03	100.21	75.50	60.13	43.88	57.53	78.87	1125.36
	ESCORRENTIA (mm)	49.72	76.64	64.04	58.18	48.64	52.92	42.69	60.78	58.66	52.86	54.31	50.31	669.75
	CAUDAL (m ³ /s)	6.68	10.29	8.60	7.81	6.53	7.10	5.73	8.16	7.88	7.10	7.29	6.75	7.49
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	19.18	29.57	24.71	22.44	18.77	20.42	16.47	23.45	22.63	20.39	20.95	19.41	21.53
	APORTACION TOTAL (Hm ³)	17.30	26.67	22.29	20.25	16.93	18.42	14.86	21.15	20.41	18.39	18.90	17.51	19.42
ARROYO CARAGUATA 174 km ²	PRECIPITACION CUENCA (mm)	128.90	205.68	186.94	150.44	157.72	168.74	124.67	197.25	162.42	132.73	119.26	89.17	1823.90
	ETP CUENCA (mm)	98.66	132.84	151.20	173.41	167.21	132.20	131.29	92.93	65.29	47.48	63.51	83.66	1339.66
	ETR CUENCA (mm)	96.42	126.87	136.63	139.33	114.23	102.66	106.55	78.07	62.83	46.34	62.81	82.74	1155.47
	ESCORRENTIA (mm)	46.20	70.17	66.53	49.78	46.98	53.12	41.00	66.76	65.23	55.61	58.34	45.86	665.58
	CAUDAL (m ³ /s)	3.10	4.71	4.47	3.34	3.15	3.57	2.75	4.48	4.38	3.73	3.92	3.08	3.72
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	17.82	27.07	25.67	19.21	18.13	20.49	15.82	25.76	25.17	21.45	22.51	17.69	21.40
	APORTACION TOTAL (Hm ³)	8.04	12.21	11.58	8.66	8.17	9.24	7.13	11.62	11.35	9.68	10.15	7.98	9.65
ARROYO SAN MARTIN 37 km ²	PRECIPITACION CUENCA (mm)	123.25	203.30	198.45	129.17	157.70	178.18	121.79	218.80	178.96	138.21	126.89	74.63	1849.33
	ETP CUENCA (mm)	101.93	137.49	155.03	178.33	174.14	136.34	136.63	97.05	67.58	50.03	68.12	87.03	1389.68
	ETR CUENCA (mm)	97.65	128.35	136.96	132.60	112.03	103.19	108.64	80.40	65.02	49.08	67.60	85.18	1166.70
	ESCORRENTIA (mm)	44.08	66.11	69.53	44.38	46.08	55.38	40.19	75.54	73.33	59.30	63.00	42.87	679.79
	CAUDAL (m ³ /s)	0.63	0.94	0.99	0.63	0.66	0.79	0.57	1.08	1.05	0.85	0.90	0.61	0.81
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	17.01	25.51	26.82	17.12	17.78	21.36	15.51	29.14	28.29	22.88	24.30	16.54	21.85
	APORTACION TOTAL (Hm ³)	1.63	2.45	2.57	1.64	1.70	2.05	1.49	2.79	2.71	2.19	2.33	1.59	2.10
ARROYO AGUAPEY 1.809 km ²	PRECIPITACION CUENCA (mm)	118.33	189.69	191.36	125.20	156.27	171.51	122.44	211.63	175.37	122.22	114.30	72.89	1771.20
	ETP CUENCA (mm)	101.39	136.36	154.67	176.57	171.36	135.26	134.85	96.37	67.15	49.81	68.02	87.03	1378.83
	ETR CUENCA (mm)	97.03	127.85	138.25	131.49	111.57	103.79	107.15	80.72	64.85	49.20	67.60	84.66	1164.15
	ESCORRENTIA (mm)	39.89	55.32	60.87	39.78	41.80	49.58	36.99	67.91	67.13	51.17	53.79	39.26	603.50
	CAUDAL (m ³ /s)	27.81	38.57	42.44	27.73	29.14	34.57	25.79	47.34	46.80	35.67	37.50	27.37	35.06
	q (CAUDAL ESPECIFICO) (lts/s Km ²)	15.39	21.34	23.49	15.35	16.13	19.13	14.27	26.20	25.90	19.74	20.75	15.15	19.40
	APORTACION TOTAL (Hm ³)	72.09	99.97	110.00	71.89	75.54	89.59	66.83	122.72	121.31	92.47	97.19	70.94	90.88



BALANCE HIDRICO SUPERFICIAL DEL PARAGUAY

CUENCAS VERTIENTES AL RÍO PARANA- REGION ORIENTAL

CUENCA	VARIABLE	SET	OCT	NOV	DIC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	ANUAL
ARROYO ATINGUY 1272 km²	PRECIPITACION CUENCA (mm)	112.67	178.66	190.74	114.46	175.07	168.30	133.02	219.83	178.15	114.66	116.72	59.76	1762.03
	ETP CUENCA (mm)	104.70	140.74	159.38	180.81	177.17	142.35	140.12	97.43	69.60	51.83	69.75	89.13	1422.98
	ETR CUENCA (mm)	98.54	128.45	137.16	124.89	113.94	109.10	109.63	82.70	67.38	51.33	69.19	85.26	1177.57
	ESCORRENTIA (mm)	36.69	48.15	56.11	35.75	43.91	47.84	37.50	70.47	67.57	48.75	52.22	36.33	581.30
	CAUDAL (m³/s)	18.01	23.63	27.54	17.54	21.55	23.48	18.40	34.58	33.16	23.92	25.63	17.83	23.77
	q (CAUDAL ESPECIFICO) (lts/s Km²)	14.16	18.58	21.65	13.79	16.94	18.46	14.47	27.19	26.07	18.81	20.15	14.02	18.69
	APORTACION TOTAL (Hm³)	46.67	61.25	71.37	45.47	55.86	60.85	47.70	89.64	85.95	62.01	66.42	46.22	61.62
	RIO YABEBYRY 1955 km²	PRECIPITACION CUENCA (mm)	102.4	170.1	180.1	124.5	177.1	157.6	133.8	202.3	157.3	98.6	86.6	56.9
ETP CUENCA (mm)	104.7	140.7	159.4	180.8	177.2	142.4	140.1	97.4	69.6	51.8	69.8	89.1	1423.0	
ETR CUENCA (mm)	95.0	124.7	133.5	126.0	116.3	108.2	107.5	82.6	66.9	50.9	68.1	81.7	1161.5	
ESCORRENTIA (mm)	29.45	38.75	45.44	31.93	40.35	41.94	34.20	59.51	54.00	39.65	37.31	29.86	482.39	
CAUDAL (m³/s)	22.20	29.21	34.25	24.07	30.42	31.62	25.79	44.87	40.71	29.89	28.13	22.51	30.31	
q (CAUDAL ESPECIFICO) (lts/s Km²)	11.36	14.95	17.53	12.32	15.57	16.18	13.20	22.96	20.83	15.30	14.40	11.52	15.51	
APORTACION TOTAL (Hm³)	57.55	75.72	88.78	62.38	78.84	81.95	66.83	116.29	105.51	77.47	72.91	58.35	78.56	

BALANCE HIDRICO VERTICAL DE LAS CUENCAS DEL RIO PARAGUAY Y DEL RIO PILCOMAYO - REGION OCCIDENTAL

CUENCA	VARIABLE	1	2	3	4	5	6	7	8	9	10	11	12	Anual
RIO PILCOMAYO (88)	PRECIPITACION	118.9	106.6	104.7	84.3	58.0	32.8	22.6	13.9	33.3	86.7	102.2	107.8	871.8
	EVAPOTRANSPIRACION	171.9	138.8	136.8	101.6	77.3	63.1	80.3	117.0	137.8	154.0	161.1	176.0	1515.6

CUENCA	VARIABLE	1	2	3	4	5	6	7	8	9	10	11	12	Anual
RIO PARAGUAY (88)	PRECIPITACION	106.1	104.8	95.5	64.0	35.6	18.2	15.9	10.0	22.9	64.7	87.2	98.4	723.4
	EVAPOTRANSPIRACION	159.5	126.8	131.9	105.5	84.8	75.8	93.5	134.2	148.1	164.4	159.4	163.4	1547.3