

Caudales de río Santa registrados en la estación
Hidrométrica CONDOR CERRO
Los años 2015 hasta 2025

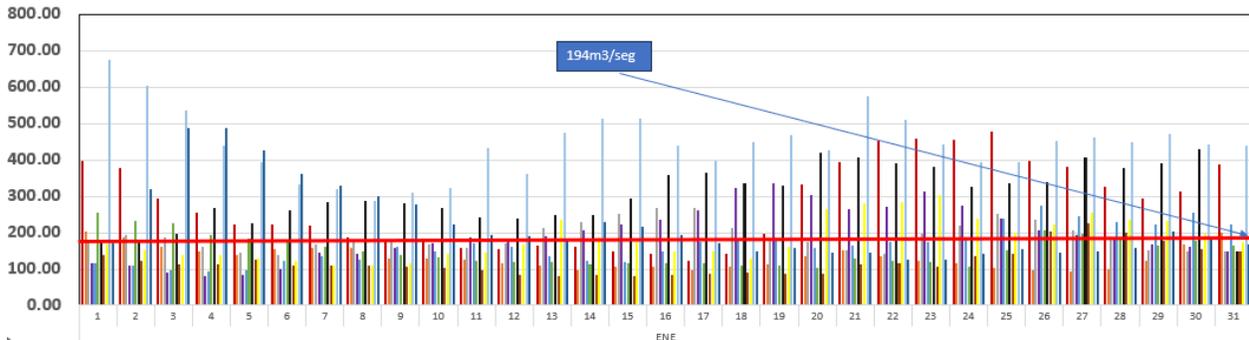
Seis meses donde se registran los mayores caudales en el río Santa
NOVIEMBRE – DICIEMBRE – ENERO – FEBRERO- MARZO – ABRIL

CAUDALES NECESARIOS PARA EL ABASTECIMIENTO DE LAS TIERRAS EN
LOS SECTORES HIDRAULICOS EN AMBAS MARGENES

BOCA TOMA CHAVIMOCHIC (1ra, 2da y 3ra etapa)	88m ³ /seg.
BOCA TOMA LA HUACA	22m ³ /seg.
BOCA TOMA LA VIBORA	7m ³ /seg.
TOMA SAN BARTOLO	1 m ³ /seg.
TOMAS GUADALITO	1m ³ /seg.
TOMAS OTROS (Dos Márgenes)	5m ³ /seg.
CAUDAL ECOLOGICO	5m ³ /seg.
SUB TOTAL	129.00m ³ /seg.
BOCA TOMA CHUQUICARA	65m ³ /seg.
TOTAL	194.00m³/seg

Noviembre

PERIODOS 2015-2025

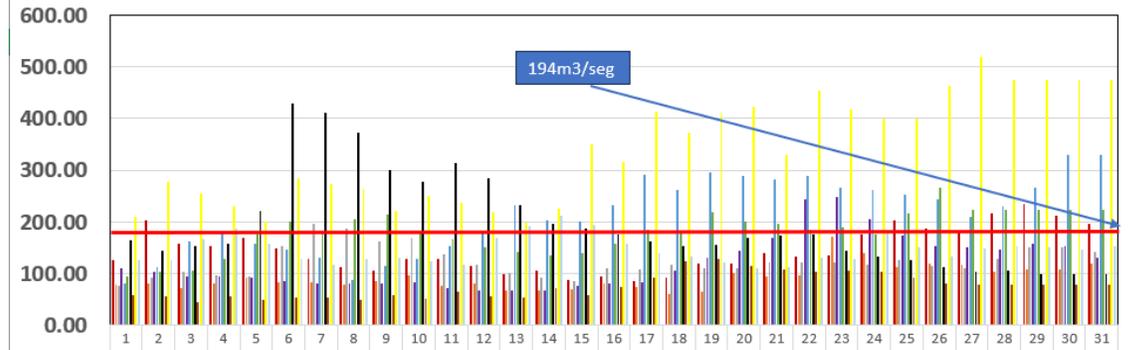


2015	398.50	376.13	293.43	254.33	222.17	222.17	220.63	188.33	176.63	176.00	159.07	154.07	163.83	162.53	148.80	140.80	123.03	141.83	196.73	331.17	392.53	452.33	457.43	454.93	478.80	397.10	382.33	326.90	293.33	314.57	386.40
2016	203.63	188.03	162.90	149.07	140.00	155.73	159.50	157.30	130.63	128.20	126.10	115.50	108.87	96.50	105.70	106.73	95.43	108.00	113.53	137.07	152.87	134.20	122.70	116.40	102.37	97.50	94.40	99.80	122.77	166.90	201.03
2017	176.33	193.00	186.83	162.67	145.97	137.97	169.37	175.37	180.90	167.63	158.03	169.63	214.07	229.40	251.83	267.97	268.87	213.33	182.13	173.17	153.10	140.40	195.63	218.63	250.57	235.87	207.13	179.33	151.00	147.90	147.50
2018	114.57	110.37	88.87	80.00	83.70	100.23	145.40	141.10	157.33	172.60	187.97	178.77	191.43	207.13	223.63	235.87	263.00	321.37	334.17	303.07	263.73	270.60	314.53	273.67	237.83	205.30	192.07	184.43	166.50	162.17	147.93
2019	117.73	110.47	96.83	95.27	95.93	122.20	134.77	125.87	160.43	147.80	171.33	160.93	136.13	122.20	118.60	147.50	174.17	182.53	183.63	159.37	165.33	173.47	175.00	185.60	238.80	273.80	246.70	228.93	222.27	255.93	221.07
2020	255.87	231.20	225.20	194.27	185.30	174.47	161.47	148.80	139.53	133.27	122.67	119.93	120.37	113.33	115.47	116.80	117.27	108.47	110.67	103.03	129.60	121.77	120.80	106.77	152.93	207.70	195.90	183.17	164.00	176.00	164.00
2021	175.53	176.77	196.23	268.67	227.02	262.22	285.07	288.33	281.73	267.23	242.23	237.33	249.63	248.40	292.23	358.23	364.27	335.13	329.57	419.03	407.17	391.80	380.53	325.93	336.57	337.97	407.27	376.77	392.00	430.83	149.27
2022	137.70	122.60	111.57	114.00	124.63	111.07	111.10	110.20	108.07	104.20	97.93	83.57	82.03	84.43	80.17	84.33	88.63	90.03	86.40	88.70	113.47	117.03	107.40	134.73	140.60	202.43	225.90	199.13	176.07	153.80	149.27
2023	166.23	150.37	138.90	138.20	128.70	123.43	109.27	110.80	114.93	140.43	145.93	168.87	236.20	188.67	173.60	148.37	148.90	127.73	161.27	264.07	279.97	285.30	303.97	238.97	200.60	223.17	255.67	235.20	231.30	198.00	173.20
2024	673.90	603.93	534.60	439.17	395.33	332.20	318.03	287.40	310.00	323.50	432.97	359.93	472.93	514.63	512.87	439.17	396.93	449.33	468.60	426.63	573.10	510.90	441.40	392.97	395.07	452.03	462.83	447.53	472.60	441.43	437.63
2025	170.47	318.89	487.73	486.39	427.20	361.10	327.69	299.81	276.01	222.36	194.76	191.06	178.40	230.12	216.37	193.93	170.65	148.38	157.87	144.51	143.72	125.53	124.96	140.74	154.65	146.78	148.39	159.59	203.17	188.37	167.95

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025

Diciembre

PERIODOS 2015-2024

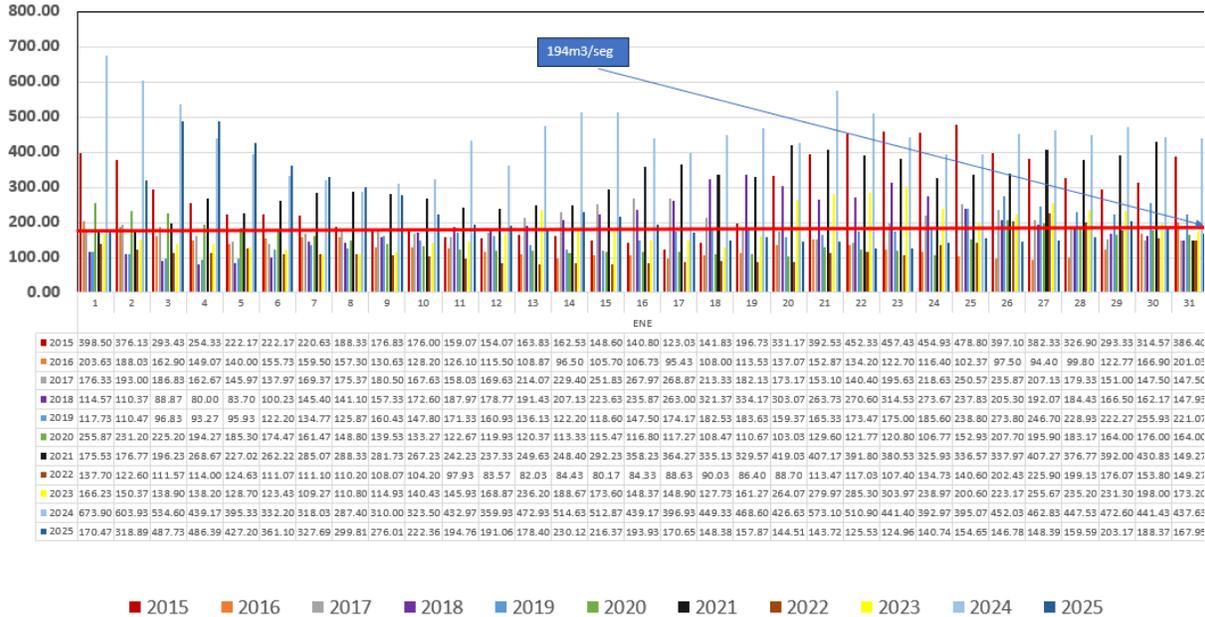


2015	126.	201.	157.	152.	169.	149.	127.	112.	106.	128.	128.	113.	99.3	105.	86.4	94.5	85.8	90.8	118.	119.	139.	131.	134.	176.	202.	188.	182.	216.	233.	212.	196.
2016	78.9	80.3	71.5	81.5	91.9	82.4	83.7	77.6	84.9	95.9	75.2	81.3	66.5	67.9	69.7	80.4	72.7	61.0	64.4	101.	93.0	97.2	171.	140.	111.	119.	116.	102.	107.	107.	119.
2017	75.7	92.6	102.	97.3	93.3	153.	195.	188.	162.	168.	137.	115.	100.	90.7	85.8	110.	106.	117.	108.	109.	122.	121.	120.	115.	125.	115.	110.	127.	151.	151.	142.
2018	109.	102.	93.0	93.8	91.4	85.9	79.4	80.6	80.5	83.0	70.5	67.8	67.6	66.2	77.0	81.3	81.7	106.	129.	143.	168.	243.	248.	204.	174.	153.	150.	146.	158.	153.	129.
2019	80.2	113.	161.	179.	156.	147.	130.	86.5	115.	127.	154.	182.	232.	201.	200.	232.	292.	262.	294.	288.	281.	288.	265.	262.	253.	243.	210.	230.	267.	329.	329.
2020	94.0	103.	104.	129.	174.	200.	178.	204.	213.	182.	167.	149.	141.	134.	139.	157.	184.	181.	219.	199.	196.	184.	189.	176.	217.	266.	223.	222.	222.	222.	222.
2021	165.	143.	152.	158.	220.	429.	411.	372.	301.	276.	314.	283.	231.	196.	187.	175.	161.	152.	156.	168.	173.	174.	143.	133.	126.	112.	104.	105.	99.6	99.6	99.6
2022	58.3	55.1	44.4	56.4	48.4	54.0	52.5	49.8	58.9	50.7	64.7	54.6	53.1	71.9	57.4	74.2	91.3	104.	104.	102.	91.9	81.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2023	210.	278.	253.	230.	200.	283.	272.	263.	222.	249.	236.	219.	199.	224.	350.	315.	413.	373.	412.	423.	330.	453.	418.	399.	399.	464.	518.	474.	474.	474.	474.
2024	126.	126.	166.	186.	156.	127.	116.	129.	129.	124.	116.	169.	190.	212.	192.	157.	138.	132.	121.	109.	113.	130.	127.	179.	150.	132.	148.	152.	150.	145.	152.

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022 ■ 2023 ■ 2024

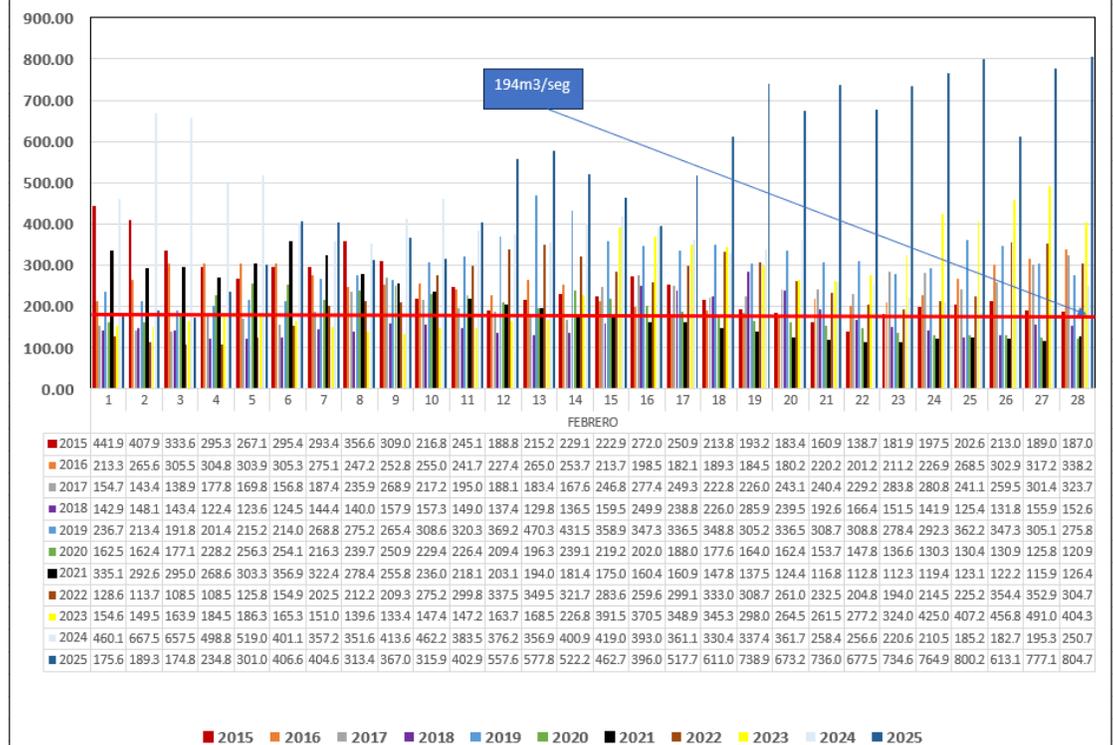
Enero

PERIODOS 2015-2025



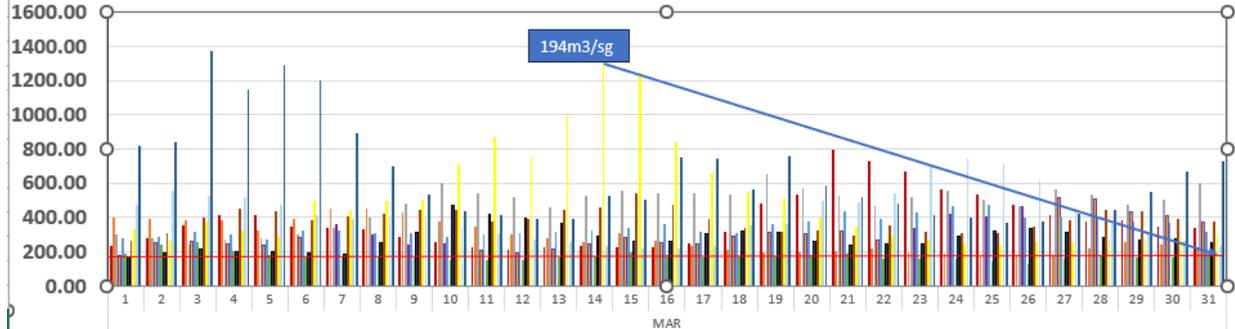
Febrero

PERIODOS 2015 - 2025



Marzo

PERIODOS 2015-2025

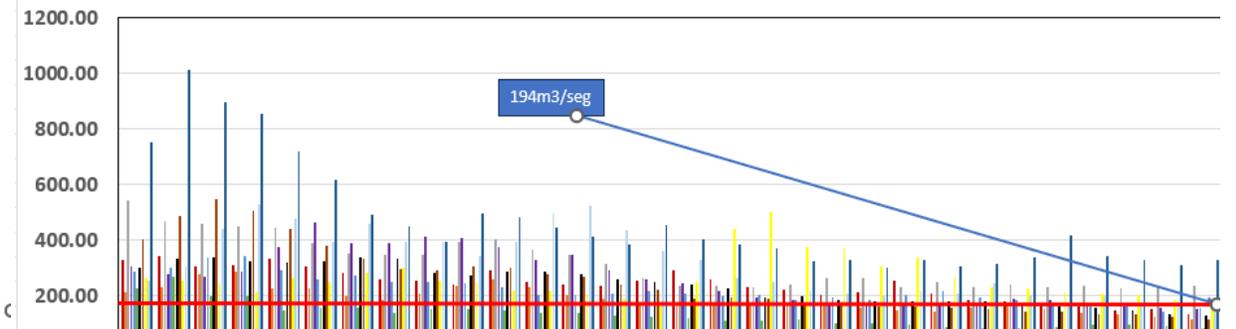


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2015	231	283	357	418	417	348	341	335	288	256	225	212	224	237	227	231	250	315	481	535	798	732	672	562	534	471	412	380	385	346	338
2016	399	392	388	386	325	394	451	449	428	380	350	299	280	259	310	262	234	214	199	196	208	218	196	193	177	181	180	216	254	239	224
2017	304	277	242	275	281	303	342	397	483	602	539	517	459	529	557	542	545	537	656	570	525	468	522	558	508	469	567	534	478	507	601
2018	181	256	262	249	239	281	356	299	236	247	212	195	218	243	282	254	243	288	312	305	319	266	338	417	400	460	513	508	432	409	374
2019	280	284	315	302	275	325	327	312	312	288	301	312	319	322	340	365	315	308	365	376	434	392	430	467	471	403	399	392	380	373	315
2020	188	244	259	201	179	165	176	174	171	154	155	150	164	176	198	182	165	172	171	182	190	160	163	158	144	131	162	182	166	164	182
2021	170	191	219	199	199	196	188	255	311	470	420	399	365	293	260	259	302	323	315	262	239	246	246	291	318	336	311	285	265	278	255
2022	264	311	398	448	438	384	407	419	442	442	375	392	447	462	540	471	391	340	316	323	298	356	315	306	307	344	383	441	434	392	380
2023	333	265	374	324	286	493	442	499	501	715	871	754	999	1,38	1,24	841	664	552	512	401	347	292	262	251	237	258	260	262	266	286	295
2024	472	556	530	521	472	416	389	405	403	344	309	270	256	237	220	217	236	355	359	496	493	542	701	741	717	619	445	363	301	267	236
2025	816	845	1,37	1,14	1,29	1,20	891	696	534	437	414	391	393	524	506	753	743	564	759	585	519	484	412	397	368	377	419	446	546	667	732

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025

Abril

PERIODOS 2015-2025



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2015	327.8	343.8	308.0	308.8	331.8	305.1	281.1	258.3	253.4	240.2	292.5	250.1	242.6	234.7	254.3	293.3	257.6	232.2	220.6	203.4	213.0	254.3	206.3	187.2	178.1	169.9	160.9	148.5	152.9	134.8
2016	214.4	232.3	280.2	285.7	227.5	228.9	201.0	183.2	206.2	237.7	257.7	231.0	205.4	188.0	173.7	166.9	166.3	173.2	171.4	176.1	158.3	146.8	143.8	157.6	168.1	152.5	136.9	134.6	123.2	115.1
2017	541.1	470.8	459.4	449.6	445.8	387.6	353.2	346.0	348.5	395.8	402.3	366.7	347.5	317.3	263.2	235.8	237.9	231.2	242.8	263.5	265.3	232.6	251.2	230.1	239.9	229.6	233.8	226.0	237.9	235.2
2018	306.7	279.3	267.9	285.9	374.2	464.3	387.7	391.9	413.0	409.5	377.7	329.9	348.4	293.3	260.2	243.1	219.7	193.8	185.6	167.5	173.1	176.4	172.0	170.8	187.5	184.3	170.8	159.7	158.9	153.6
2019	285.0	301.7	339.3	340.8	291.7	259.0	271.7	249.6	249.6	243.5	231.2	204.8	204.8	207.7	216.4	210.5	199.1	203.6	185.3	195.2	183.1	205.0	219.4	196.3	185.2	166.5	164.0	164.0	141.1	157.3
2020	228.5	268.9	199.2	200.4	148.8	156.3	156.8	139.0	153.8	152.8	146.8	139.0	137.6	129.5	124.9	118.1	112.0	111.4	115.9	102.9	100.8	95.20	89.47	83.23	84.03	87.20	95.57	97.83	91.60	81.63
2021	302.7	335.1	340.0	322.4	318.3	325.2	336.7	335.1	282.3	274.4	285.7	285.6	278.3	259.1	252.1	238.5	225.2	196.3	198.1	186.9	179.8	182.5	182.5	180.9	169.2	163.4	158.3	146.8	135.6	131.4
2022	405.7	488.1	548.3	505.1	442.8	380.4	332.9	298.3	290.3	305.9	300.4	279.0	268.7	242.8	223.4	187.3	196.4	189.6	174.4	169.2	159.8	160.4	159.3	151.2	143.8	142.9	132.3	132.3	124.9	112.8
2023	266.0	255.5	240.6	215.0	263.3	251.2	281.8	301.2	254.5	246.5	217.8	217.8	204.3	188.0	174.4	249.5	439.7	499.1	376.1	370.1	306.5	339.6	267.3	233.4	227.6	215.1	207.2	203.0	182.7	179.1
2024	255.2	304.6	442.7	530.8	479.2	392.3	457.7	394.9	395.0	342.6	394.9	497.5	525.0	435.4	360.9	328.0	262.8	248.4	219.1	206.9	196.6	217.9	208.6	243.4	203.0	167.5	200.4	173.1	180.3	161.7
2025	751.1	1,012	898.1	856.4	719.1	619.2	490.4	449.2	395.5	495.8	482.9	443.1	411.7	382.7	453.9	402.7	385.5	370.1	324.2	328.6	300.2	328.6	304.8	315.4	338.1	418.6	342.0	327.4	309.9	328.7

■ 2015 ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 ■ 2021 ■ 2022 ■ 2023 ■ 2024 ■ 2025

Los caudales de río Santa registrados en la estación Hidrométrica CONDOR CERRO conforme indican las laminas no satisfacen las demandas totales especialmente los meses que se indica en el diseño planteado por CONSORCIO LSH&AEM.

POR LO QUE ES NECESARIO CORREGIR EL PERFIL EN LO QUE RESPECTA A LA CAPTACIÓN Y LA CONDUCCIÓN

GRACIAS