

PROYECTO ESPECIAL CHIRA-PIURA
DESCARGAS MEDIAS DIARIAS EN M³/S. Y VOLUMENES DIARIOS
DEL RESERVORIO DE POECHOS.

MES: DICIEMBRE 2021

DIA	CANAL EJIDOS [M3/S]	CANAL CHECA [M3/S]	TUNEL [M3/S]	ALIVIA- DERO [M3/S]	TUNEL+ ALIVIAD. [M3/S]	CANAL DERIV. [M3/S]	CANAL HUAYPIRA [M3/S]	EVAPO- RACION [M3/S]	SALIDA TOTAL [M3/S]	INGRESO [M3/S]	BALANCE		VOL [MMC]	COTA [MSNM]
											(+) Q	(-) Q		
01	5.44	9.6	14.66	0.0	14.7	27.0	0.43	3.25	45.3	40.7		-4.6	162.1	97.12
02	5.43	9.6	14.62	0.0	14.6	27.0	0.43	3.26	45.3	58.0	12.7		161.7	97.10
03	5.44	9.6	15.33	0.0	15.3	27.0	0.43	3.27	46.0	51.8	5.8		162.8	97.15
04	5.40	9.6	14.66	0.0	14.7	26.0	0.43	3.26	44.4	38.6		-5.8	163.3	97.17
05	4.97	11.2	15.30	0.0	15.3	25.0	0.43	3.25	44.0	25.5		-18.5	162.8	97.15
06	3.77	15.1	20.06	0.0	20.1	25.0	0.43	3.24	48.7	32.5		-16.2	161.2	97.08
07	3.79	15.1	20.10	0.0	20.1	25.0	0.43	3.23	48.8	44.1		-4.6	159.8	97.02
08	3.84	15.1	20.10	0.0	20.1	25.0	0.43	3.22	48.8	38.3		-10.4	159.4	97.00
09	3.84	15.1	20.10	0.0	20.1	25.0	0.43	3.21	48.7	15.2		-33.6	158.5	96.96
10	3.71	15.1	20.10	0.0	20.1	26.6	0.43	3.20	50.3	31.8		-18.5	155.6	96.83
11	3.54	15.1	20.10	0.0	20.1	26.7	0.43	3.18	50.4	30.7		-19.7	154.0	96.76
12	5.11	15.1	20.10	0.0	20.1	33.8	0.32	3.18	57.4	66.6	9.3		152.3	96.68
13	9.87	15.1	20.10	0.0	20.1	38.0	0.26	3.21	61.6	134.5	72.9		153.1	96.72
14	9.87	15.1	20.10	0.0	20.1	38.0	0.43	3.25	61.8	101.1	39.4		159.4	97.00
15	9.70	12.1	17.09	0.0	17.1	38.0	0.43	3.27	58.8	69.2	10.4		162.8	97.15
16	9.68	9.0	14.25	0.0	14.3	27.3	0.43	3.27	45.2	51.0	5.8		163.7	97.19
17	5.25	9.0	14.00	0.0	14.0	11.5	0.43	3.29	29.3	61.7	32.4		164.2	97.21
18	1.27	9.0	14.04	0.0	14.0	7.0	0.43	3.32	24.8	86.1	61.3		167.0	97.33
19	0.00	6.0	11.00	0.0	11.0	7.0	0.32	3.38	21.7	149.0	127.3		172.3	97.55
20	0.00	0.4	5.42	0.0	5.4	7.0	0.05	3.46	15.9	142.1	126.2		183.3	97.90
21	0.00	0.2	5.21	0.0	5.2	7.0	0.05	3.54	15.8	125.8	110.0		194.2	98.40
22	0.00	0.2	5.21	0.0	5.2	7.0	0.05	3.61	15.9	147.8	131.9		203.7	98.74
23	0.00	0.2	5.21	0.0	5.2	8.9	0.05	3.67	17.8	102.3	84.5		215.1	99.13
24	0.00	0.2	5.21	0.0	5.2	17.9	0.05	3.71	26.8	81.2	54.4		222.4	99.37
25	0.00	0.2	5.21	0.0	5.2	16.0	0.05	3.74	25.0	91.0	66.0		227.1	99.52
26	0.21	0.2	5.21	0.0	5.2	20.7	0.05	3.77	29.7	56.3	26.6		232.8	99.70
27	0.96	0.4	5.42	0.0	5.4	23.0	0.05	3.78	32.2	54.2	22.0		235.1	99.77
28	1.50	0.2	18.33	0.0	18.3	28.4	0.05	3.79	50.6	55.2	4.6		237.0	99.83
29	3.96	0.0	45.00	0.0	45.0	29.3	0.05	3.78	78.2	55.0		-23.1	237.4	99.84
30	5.88	0.0	45.00	0.0	45.0	26.2	0.05	3.77	75.0	51.8		-23.1	235.4	99.78
31	6.96	0.0	45.00	0.0	45.0	22.9	0.05	3.76	71.7	53.2		-18.5	233.4	99.72
01/01													231.8	99.67
SUMA	119.39	232.95	521.24	0.00	521.24	700.08	8.41	106.12	1335.8	2142.6	1003.5	-178.2		
PROM	3.85	7.51	16.81	0.00	16.81	22.58	0.27	3.42	43.1	69.1	52.8	-16.4	185.8	97.99
MAX	9.87	15.10	45.00	0.00	45.00	38.00	0.43	3.79	78.2	149.0	131.9	-4.6	237.4	99.84
MIN	0.00	0.00	5.21	0.00	5.21	7.00	0.05	3.18	15.8	15.2	4.6	-33.6	152.3	96.68
VOLUMEN	10.32	20.13	45.04	0.00	45.04	60.49	0.73	9.17	115.4	185.1	86.7	-15.4		
Proyectado al 31 de Diciembre (MMC)									115.4	185.1		69.7	231.8	MMC
Volumen Programado									109.2 MMC Q=			40.8	m3/s.	

14.09

169.55 %

PROYECTO ESPECIAL CHIRA PIURA
RIO CHIRA: MASAS MENSUALES EN MMC.

	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Anual
OFERTA RIO CHIRA	165.42	208.67	345.37	403.70	284.13	169.30	111.45	75.82	57.81	58.53	65.36	109.18	2,054.7
Q Promedio Mes	61.8	86.3	128.9	155.7	106.1	65.3	41.6	28.3	22.3	21.9	25.2	40.8	
Aporte Real / Oferta (%)	110.5	75.7	408.9	121.9	129.9	98.7	168.4	98.5	113.3	128.2	143.3	169.6	
Aporte Real (MMC)	182.9	158.0	1412.3	492.2	369.1	167.1	187.6	74.7	65.5	75.0	93.6	185.1	3,463.1
Aporte Acum. (MMC)	182.9	340.8	1,753.1	2,245.3	2,614.4	2,781.5	2,969.1	3,043.8	3,109.3	3,184.3	3,277.9	3,463.1	
SALIDA PADH (MMC)								149.6	143.7	146.7	140.9	112.1	692.9
Q Promedio Salida Mes								55.9	55.4	54.8	54.4	43.2	
SALIDA TOTAL. (MMC)	146.8	197.2	1189.1	464.6	329.3	151.5	201.5	147.2	139.3	150.2	141.6	115.4	3,373.7

PROYECTO ESPECIAL CHIRA-PIURA
DESCARGAS MEDIAS DIARIAS
DE LOS RIOS CHIRA Y PIURA (M3/S)
MES: DICIEMBRE 2021

DIA	PUENTE INTERN. [M3/S]	EL CIRUELO [M3/S]	PARAJE GRANDE [M3/S]	ESA SULLANA		TOTAL [M3/S]	PUENTE R. PIURA (1) [M3/S]	PRESA EJIDOS		
				R.Chira [M3/S]	C. Norte [M3/S]			CURUMUY [M3/S]	C. EJIDOS [M3/S]	R. PIURA (2) [M3/S]
01	10.0	79.7	1.0	6.0	18.4	24.4	0.5	9.5	5.4	-3.6
02	10.0	79.7	1.0	6.0	18.4	24.4	0.5	9.5	5.4	-3.6
03	8.0	70.1	1.0	5.0	18.4	23.4	0.5	9.2	5.4	-3.3
04	6.5	59.9	1.0	5.3	18.2	23.5	0.5	8.9	5.4	-3.0
05	5.1	47.1	1.0	6.9	18.4	25.3	0.5	8.5	5.0	-3.1
06	6.0	48.8	1.0	6.5	18.4	24.9	0.5	10.4	3.8	-6.1
07	6.9	56.2	1.0	8.0	18.6	26.6	0.5	6.8	3.8	-2.5
08	6.4	58.4	1.0	6.3	18.6	24.8	0.5	7.7	3.8	-3.4
09	4.5	44.7	1.0	8.2	18.6	26.8	0.5	8.2	3.8	-3.9
10	5.0	37.6	1.0	5.9	18.6	24.5	0.5	8.1	3.7	-3.9
11	13.1	73.2	1.0	5.8	18.6	24.4	0.5	8.0	3.5	-4.0
12	15.6	149.6	1.0	8.2	18.6	26.8	0.5	8.8	5.1	-3.2
13	15.8	137.1	1.0	8.3	18.6	26.9	0.5	13.5	9.9	-3.1
14	10.7	92.9	1.0	8.0	18.6	26.6	0.5	13.3	9.9	-2.9
15	7.9	78.2	1.0	7.3	18.6	25.9	0.5	13.8	9.7	-3.6
16	7.8	67.1	1.0	10.2	18.6	28.8	0.5	9.8	9.7	0.4
17	15.5	90.1	1.0	8.0	18.6	26.5	5.3	8.4	5.3	-5.8
18	20.1	118.6	2.0	7.7	18.6	26.3	0.0	1.8	1.3	-4.9
19	41.3	182.5	2.0	6.1	18.6	24.7	0.0	0.0	0.0	-5.1
20	28.6	148.5	2.0	5.4	18.6	24.0	0.0	0.0	0.0	-4.4
21	27.9	166.2	2.0	5.0	17.9	22.9	0.0	0.0	0.0	0.0
22	25.3	158.8	2.0	5.0	17.5	22.5	0.0	0.0	0.0	0.0
23	18.1	113.8	2.0	5.0	17.5	22.5	0.0	0.0	0.0	0.0
24	12.5	113.9	2.0	5.0	17.5	22.5	0.0	3.3	0.0	-3.3
25	9.3	77.0	2.0	5.0	17.5	22.5	0.0	4.8	0.0	-4.8
26	8.0	65.0	2.0	5.0	17.5	22.5	0.0	5.6	0.2	-5.4
27	8.3	57.5	2.0	5.0	16.6	21.6	0.0	3.6	1.0	-2.6
28	6.7	55.7	2.0	5.4	16.3	21.8	0.0	6.3	1.5	-4.8
29	7.3	63.2	2.0	38.0	15.9	53.9	0.0	10.0	4.0	-6.0
30	7.3	64.0	2.0	35.9	15.9	51.8	0.5	8.7	5.9	-2.3
31	7.0	58.5	2.0	40.8	15.8	56.7	0.5	6.9	7.0	0.6
SUMA	382.2	2713.4	45.0	294.0	556.29	850.32	14.25	213.22	119.4	-101.37
PROM	12.3	87.5	1.5	9.5	17.94	27.43	0.46	6.88	3.9	-3.27
MAX	41.3	182.5	2.0	40.8	18.58	56.67	5.25	13.76	9.9	0.56
MIN	4.5	37.6	1.0	5.0	15.84	21.56	0.00	0.00	0.0	-6.10
MASA	33.0	234.4	3.9	25.4	48.06	73.47	1.23	18.42	10.3	-8.76
NORMAL	16.8	48.1	4.8	24.9		73.5				
ANOMALIA	-4.5	39.4	-3.3	Poechos		Sullana				

(2) ESTACION EL PAPAYO

Proyecto Chira-Piura

Precipitación (mm.)

MES: DICIEMBRE 2021

DIA	PTE	EL	PJE	Ardi-	Alivia	Su	Check	Cpto	PRESA	Chulu	Tbo
	INT.	CIR.	GDE	dilla	dero	lla	Km 29+90	PIURA	EJIDOS	canas	Gde
	mm	mm	mm	mm	mm	na	mm	mm	mm	mm	mm
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
11	7.0	6.7	0.0	0.0	0.0	0.0	0.0	3.5	0.0	8.8	0.0
12	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.0	2.2	0.0	2.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
20	1.0	0.0	2.0	1.2	1.8	0.0	0.0	0.0	1.0	2.2	0.0
21	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Mensual	14.0	9.7	5.8	3.2	1.8	5.0	0.0	3.5		11.7	0.0
PROM	0.5	0.3	0.2	0.1	0.1	0.2	0.0	0.1		0.4	0.0
MAX	7.0	6.7	2.0	2.0	1.8	5.0	0.0	3.5		8.8	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
NORMAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
ANOMALIA	14.0	9.7	5.8	3.2	1.8	5.0	0.0	3.5		11.7	0.0