

**PROYECTO ESPECIAL CHIRA-PIURA**  
**DESCARGAS MEDIAS DIARIAS EN M<sup>3</sup>/S. Y VOLUMENES**  
**DEL RESERVORIO DE POECHOS.**

**MES: ENERO 2019**

DIA	CANAL EJIDOS [M <sup>3</sup> /S]	CANAL CHECA [M <sup>3</sup> /S]	TUNEL [M <sup>3</sup> /S]	ALIVIA- DERO [M <sup>3</sup> /S]	TUNEL+ ALIVIAD. [M <sup>3</sup> /S]	CANAL DERIV. [M <sup>3</sup> /S]	CANAL HUAYPIRA [M <sup>3</sup> /S]	EVAPO- RACION [M <sup>3</sup> /S]	SALIDA TOTAL [M <sup>3</sup> /S]	INGRESO [M <sup>3</sup> /S]
1	0.00	0.0	0.00	0.0	0.0	19.6	0.05	3.18	22.8	27.4
2	0.00	2.1	7.08	0.0	7.1	9.5	0.05	3.19	19.8	34.9
3	0.00	0.0	5.00	0.0	5.0	2.1	0.05	3.20	10.4	23.1
4	0.00	0.0	5.00	0.0	5.0	5.0	0.05	3.21	13.3	30.6
5	0.00	0.6	5.55	0.0	5.6	5.0	0.05	3.23	13.8	52.0
6	0.00	0.4	9.17	0.0	9.2	5.0	0.05	3.26	17.5	56.8
7	0.00	0.0	5.00	0.0	5.0	5.0	0.05	3.28	13.3	34.2
8	0.00	0.0	5.00	0.0	5.0	10.6	0.05	3.30	19.0	53.7
9	1.08	0.0	4.99	0.0	5.0	20.4	0.05	3.32	28.7	58.8
10	4.06	1.5	6.46	0.0	6.5	34.2	0.05	3.33	44.1	54.5
11	3.75	0.0	5.00	0.0	5.0	34.0	0.05	3.35	42.4	54.0
12	4.00	0.0	5.00	0.0	5.0	34.0	0.05	3.35	42.4	40.1
13	6.17	6.0	11.04	0.0	11.0	31.4	0.09	3.34	45.9	32.0
14	6.50	15.0	20.00	0.0	20.0	30.0	0.18	3.33	53.5	45.4
15	6.74	8.3	13.62	0.0	13.6	30.0	0.18	3.33	47.1	47.1
16	6.69	9.3	13.96	0.0	14.0	30.0	0.18	3.33	47.5	35.9
17	7.00	11.3	16.23	0.0	16.2	31.0	0.18	3.32	50.7	64.6
18	7.00	11.0	16.00	0.0	16.0	32.7	0.18	3.37	52.3	93.9
19	7.00	11.0	18.38	0.0	18.4	34.0	0.18	3.37	55.9	77.9
20	9.87	12.8	18.37	0.0	18.4	34.0	0.16	3.40	55.9	130.0
21	15.20	16.0	67.92	0.0	67.9	37.9	0.11	3.44	109.4	152.2
22	15.74	16.0	105.00	68.8	173.8	40.0	0.11	3.44	217.3	151.3
23	16.20	16.0	47.50	68.8	116.3	41.5	0.11	3.40	161.2	124.2
24	16.20	15.3	45.00	10.4	55.4	42.0	0.11	3.38	100.9	98.6
25	17.03	11.0	45.00	0.0	45.0	42.0	0.11	3.38	90.5	51.1
26	17.20	9.2	34.50	0.0	34.5	42.0	0.11	3.35	80.0	41.8
27	18.67	9.0	14.00	0.0	14.0	40.0	0.13	3.33	57.4	53.9
28	20.00	12.0	17.00	0.0	17.0	39.0	0.18	3.32	59.5	40.98
29	20.40	12.0	17.00	0.0	17.0	39.0	0.18	3.31	59.5	35.18
30	20.33	10.1	25.29	0.0	25.3	39.0	0.18	3.31	67.8	100.19
31	20.42	6.3	44.00	0.0	44.0	39.5	0.18	3.33	87.0	105.53
01/02										
SUMA	267.25	222.08	653.07	147.92	800.99	879.37	3.44	102.98	1786.8	2002.1
PROM	8.62	7.16	21.07	4.77	25.84	28.37	0.11	3.32	57.6	64.6
MAX	20.42	16.00	105.00	68.75	173.75	42.00	0.18	3.44	217.3	152.2



DIARIOS

PROYEC  
DES  
DE LOS

BALANCE (m <sup>3</sup> /s)		VOL	COTA
(+)	(-)		
Q	Q	[MMC]	[MSNM]
4.6		171.0	96.69
15.0		171.4	96.71
12.7		172.7	96.77
17.4		173.8	96.82
38.2		175.3	96.89
39.4		178.6	97.04
20.8		182.0	97.19
34.7		183.8	97.27
30.1		186.8	97.40
10.4		189.4	97.51
11.6		190.3	97.55
	-2.3	191.3	97.59
	-13.9	191.1	97.58
	-8.1	189.9	97.53
		189.2	97.50
	-11.6	189.2	97.50
13.9		188.2	97.46
41.7		189.4	97.51
22.0		193.0	97.66
74.1		194.9	97.74
42.8		201.3	98.00
	-66.0	205.0	98.15
	-37.0	199.3	97.92
	-2.3	196.1	97.79
	-39.4	195.9	97.78
	-38.2	192.5	97.64
	-3.5	189.2	97.50
	-18.5	188.9	97.49
	-24.3	187.3	97.42
32.4		185.2	97.33
18.5		188.0	97.45
		189.6	97.52
480.3	-265.0		
26.7	-22.1	187.7	97.43
74.1	-2.3	205.0	98.15

DIA	PUENTE INTERN. [M <sup>3</sup> /S]	EL CIRUELO [M <sup>3</sup> /S]	PARAJE GRANDE [M <sup>3</sup> /S]
1	11.1	35.6	2.1
2	10.3	27.8	2.1
3	8.7	22.6	2.1
4	16.9	45.9	7.2
5	18.1	63.7	11.1
6	11.9	42.3	7.1
7	11.2	29.8	0.3
8	31.0	83.8	0.4
9	19.4	68.2	0.3
10	13.1	47.2	0.2
11	15.6	44.1	0.2
12	11.5	35.1	0.2
13	10.9	36.8	0.2
14	16.3	55.6	0.2
15	12.7	44.5	0.1
16	14.8	45.9	0.2
17	26.8	91.9	32.7
18	21.1	92.0	35.7
19	15.4	60.5	61.9
20	41.6	116.7	96.9
21	42.6	146.4	69.0
22	28.8	113.7	58.1
23	22.7	100.9	39.9
24	18.4	85.3	12.4
25	12.5	61.7	1.9
26	10.0	44.5	1.3
27	13.1	47.5	1.2
28	10.0	31.8	1.5
29	21.2	49.5	8.3
30	43.8	112.4	4.9
31	28.4	92.6	2.9
SUMA	589.7	1976.1	462.3
PROM	19.0	63.7	14.9
MAX	43.8	146.4	96.9

4.6	-66.0	171.0	96.69
41.5	-22.9		
	18.6	<b>189.6 MMC</b>	
MMC Q=	60.3	m <sup>3</sup> /s.	

%

3.

Oct	Nov	Dic	Anual
			<b>1,988.6</b>
			<b>107.2</b>
			<b>173.0</b>
			<b>154.4</b>

MIN	8.7	22.6	8.0
VOLUMEN	50.9	170.7	39.9
NORMAL	32.6	78.0	5.8
ANOMALIA	-13.6	-14.3	9.1

( 1 ) PUENTE SANCHEZ CERRA

( 2 ) ESTACION EL PAPAYO

# TO ESPECIAL CHIRA-PIURA

## CARGAS MEDIAS DIARIAS

RIOS CHIRA Y PIURA (M<sup>3</sup>/S)

MES: ENERO 2019

PRESA SULLANA			PUENTE R. PIURA (1) [M <sup>3</sup> /S]	CURUMUY [M <sup>3</sup> /S]	PRESA EJIDOS	
R.Chira [M <sup>3</sup> /S]	C. Norte [M <sup>3</sup> /S]	TOTAL [M <sup>3</sup> /S]			C. EJIDOS [M <sup>3</sup> /S]	R. PIURA (2) [M <sup>3</sup> /S]
12.2	4.6	16.8	0.6	7.07	0.00	-6.5
7.2	5.0	12.2	1.2	3.26	0.00	-2.1
7.3	5.0	12.3	0.0	0.00	0.00	0.0
6.8	7.1	14.0	0.0	0.00	0.00	0.0
6.0	7.1	13.1	0.0	0.00	0.00	0.0
10.0	6.9	16.8	0.0	0.00	0.00	0.0
5.4	9.3	14.7	0.0	0.00	0.00	0.0
5.0	9.5	14.5	0.0	0.00	0.00	0.0
5.0	9.3	14.3	0.0	6.63	1.08	-5.6
11.3	8.8	20.2	0.0	8.58	4.06	-4.5
38.1	5.9	44.0	0.0	8.61	3.75	-4.9
17.9	0.0	17.9	0.0	8.85	4.00	-4.9
9.2	0.0	9.2	0.1	11.01	6.17	-4.7
24.2	0.0	24.2	0.0	8.45	6.50	-2.0
13.8	0.0	13.8	0.0	8.46	6.74	-1.7
9.6	0.0	9.6	0.0	8.17	6.69	-1.5
9.3	0.0	9.3	0.0	8.12	7.00	-1.1
7.1	0.0	7.1	0.0	10.70	7.00	-3.7
17.5	0.0	17.5	0.0	16.54	7.00	-9.5
17.3	0.0	17.3	0.0	17.55	9.87	-7.7
38.5	0.0	38.5	0.0	19.30	15.20	-4.1
137.7	0.0	137.7	1.4	24.00	15.74	-6.9
137.9	5.5	143.4	1.3	24.91	16.20	-7.4
72.0	7.2	79.2	5.0	25.72	16.20	-4.5
33.5	7.3	40.8	5.0	25.64	17.03	-3.6
36.5	7.8	44.3	3.0	24.45	17.20	-4.2
13.3	7.9	21.2	4.1	24.28	18.67	-1.5
5.2	10.5	15.7	0.2	22.19	20.00	-2.0
5.0	10.5	15.5	0.1	23.44	20.40	-2.9
5.0	10.5	15.5	0.1	23.32	20.33	-2.9
20.5	10.5	31.0	0.1	23.35	20.42	-2.8
745.5	156.14	901.59	22.17	392.60	267.3	-103.18
24.0	5.04	29.08	0.72	12.66	8.6	-3.33
137.9	10.50	143.38	5.00	25.72	20.4	0.00

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<b>Total Mensua</b>
PROM
MAX

5.0	0.00	7.08	0.00	0.00	0.0	-9.54
64.4	13.49	77.90	1.92	33.92	23.1	-8.91
50.0		77.9				
Poehos		Sullana				

MIN
NORMAL
ANOMALIA

3

## Proyecto Chira-Piura

Precipitación (mm)

**MES: ENERO 2019**

PTE INT. mm	EL CIR. mm	PJE GDE mm	Ardilla mm	Alivia dero mm	Sullana mm	Check 29+900 mm
	1.2					
2.5	5.3	10.5	1.2			
26.5	8.7	17.3				
		2.5				
1.3	14.2					
15.5	3.4		8.0			
	1.4					
	2.8		0.7			
4.0		8.0				
3.9	4.2	3.8				
2.8						
1.4			0.4			
1.3		2.3				
2.2	1.8		2.0			
7.2	5.4	15.5	1.6			
9.3	11.7	11.0	0.6			
5.5	8.4	5.5	5.4	3.6	2.5	7.2
83.4	68.5	76.4	19.9	3.6	2.5	7.2
6.4	5.7	8.5	2.5	3.6	2.5	7.2
26.5	14.2	17.3	8.0	3.6	2.5	7.2

1.3	1.2	2.3	0.4	3.6	2.5	7.2
38.9	56.1	47.4	30.2	12.2	5.6	6.6
44.5	12.4	29.0	-10.3	-8.6	-3.1	0.6



CPTO PIURA mm	PRESA EJIDOS mm	Chulu canas mm	Tbo Gde mm
			2.5
		0.8	
		0.3	
			12.5
		0.3	
2.0	1.6	1.0	
1.4		0.8	5.5
3.4	1.6	3.2	20.5
1.7	1.6	0.6	6.8
2.0	1.6	1.0	12.5

DIA	TEMP. MAX. °C
1	34.6
2	34.6
3	35.2
4	37.2
5	35.2
6	33.2
7	35.2
8	35.4
9	35.0
10	33.2
11	35.2
12	35.0
13	34.8
14	31.0
15	31.8
16	36.2
17	34.2
18	33.6
19	35.6
20	34.4
21	35.6
22	34.2
23	37.0
24	35.0
25	36.8
26	36.4
27	38.0
28	33.2
29	36.2
30	36.8
31	33.2
<b>Total Mensual</b>	
PROM	34.9
MAX	38.0

1.4	1.6	0.3	2.5
6.0	6.0	20.8	10.4
-2.6	-4.4	-17.6	10.1

MIN	31.0
NORMAL	33.2
ANOMALIA	1.7

# PROYECTO ESPECIAL CHIRA-PIURA

ESTACION MIRAFLORES

MES: ENERO 2019

TEMP. MED °C	TEMP. MIN °C	HUM. REL. %	EVAP. TOTAL mm	HRS SOL	Pp mm
27.7	21.8	69	5.3	8.9	
27.7	21.8	69	5.2	9.5	
28.0	23.0	71	5.0	7.8	
29.5	23.4	66	5.2	9.1	
27.7	23.0	77	5.6	7.6	
28.1	24.8	69	4.5	1.0	
28.1	23.8	75	4.9	2.2	
28.3	24.8	75	5.1	6.9	
29.0	24.8	74	5.0	7.8	
28.3	25.0	77	4.4	3.0	
29.3	24.8	71	5.2	3.6	
28.9	23.8	71	5.9	10.8	
28.5	23.2	72	5.4	9.8	
26.6	22.8	79	4.5	0.2	
27.4	24.0	73	4.4	0.4	
28.9	23.4	66	6.1	7.7	
28.5	22.6	66	6.2	7.8	
28.1	22.8	67	5.4	2.8	
28.9	23.2	65	5.6	8.2	
28.4	23.8	73	4.7	2.9	
29.5	24.0	66	5.0	8.8	
29.0	24.8	67	5.0	2.9	
30.5	25.0	60	6.2	9.7	
28.9	22.8	67	5.1	7.1	
28.9	22.4	62	5.3	10.7	
29.3	24.8	67	5.3	7.8	
30.1	25.0	69	5.7	8.1	
29.5	25.2	68	4.4	0.0	2.5
29.1	23.0	69	4.8	5.0	
30.4	25.6	65	5.6	8.1	
28.7	25.8	77	4.6	1.9	0.7
			160.6		3.2
28.7	23.8	70	5.2	6.1	1.6
30.5	25.8	79	6.2	10.8	2.5

26.6	21.8	60	4.4	0.0	0.7
26.2	21.5	67.0	175.3	6.6	6.0
2.5	2.3	2.7	-14.7	-0.5	-2.8

16.2



MES: ENERO 2019

RIO PIURA

DIA	PUENTE ÑACARA [M <sup>3</sup> /S]	TAMBO- GRANDE [M <sup>3</sup> /S]	PIURA [M <sup>3</sup> /S]
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SUMA	0.0	0.0	0.0
PROM	#¡DIV/0!	#¡DIV/0!	#¡DIV/0!
MAX	0.0	0.0	0.0

MIN	0.0	0.0	0.0
VOL.	0.0	0.0	0.0