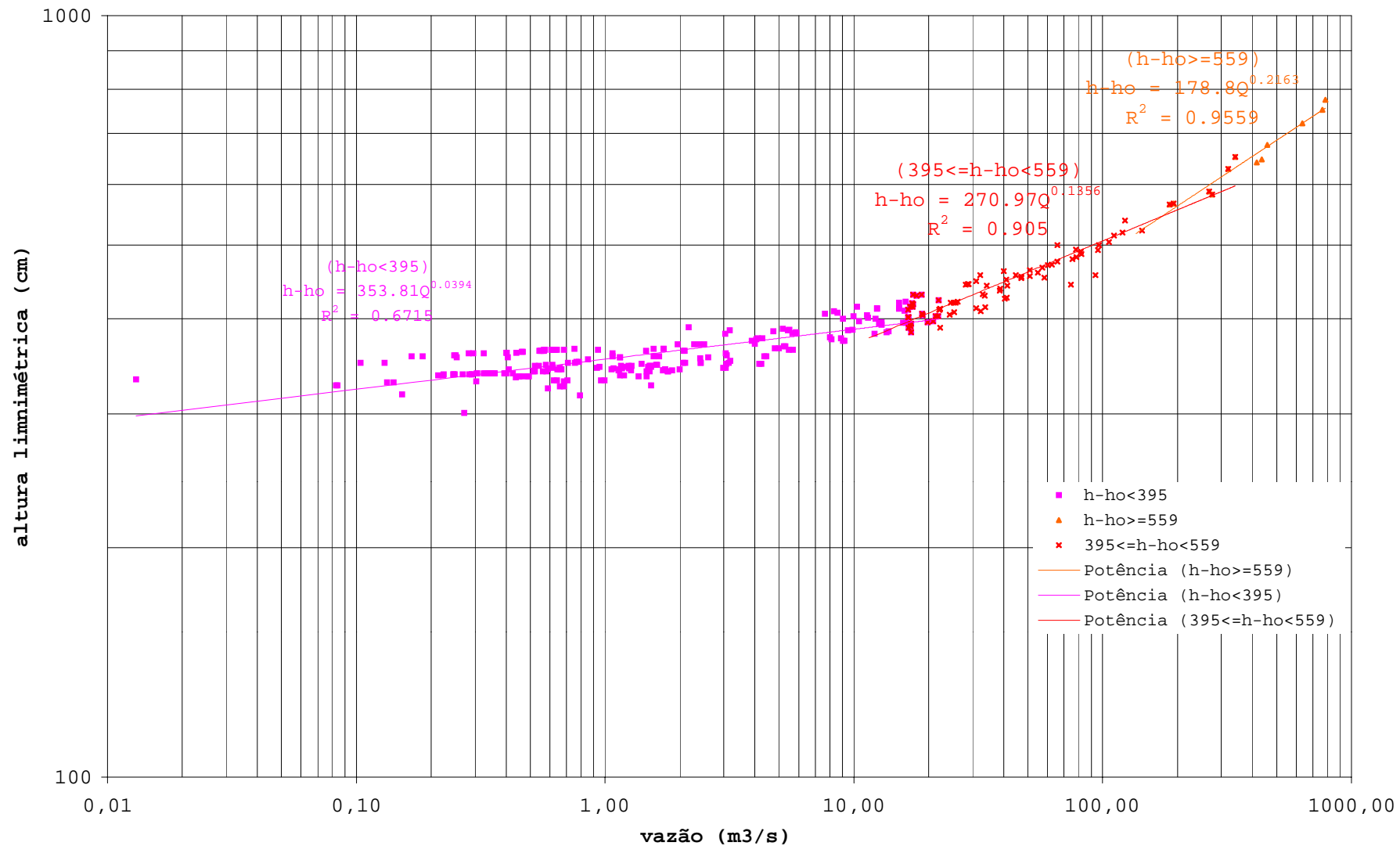
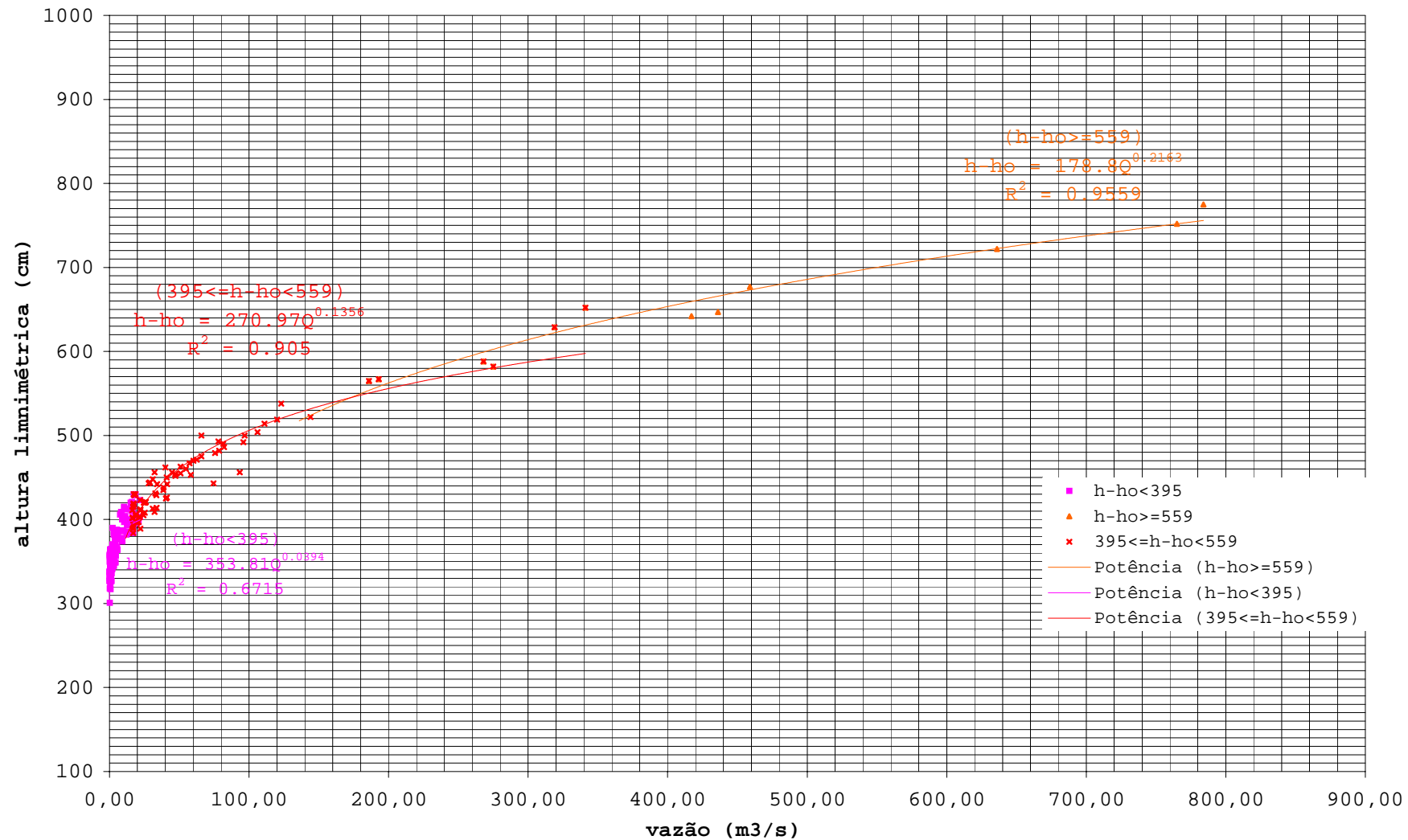


RIO PIANCÓ EM PIANCÓ - (37340000) CURVA-CHAVE



RIO PIANCÓ EM PIANCÓ - (37340000) CURVA-CHAVE



RIO PIANCÓ EM PIANCÓ

Código: 37340000

CURVAS-CHAVE

Período	ho (cm)
01/01/69 a 30/04/98	-260,0

Parâmetros $Q [m^3/s] = a (h-ho)^c$	a (m)	c (ad.)
$h-ho < 395$	2,044E-65	25,381
$395 \leq h-ho < 559$	1,143E-18	7,375
$559 \leq h-ho$	3,862E-11	4,623

MEDIÇÕES DE DESCARGA NO POSTO FLUVIOMÉTRICO PIANCÓ

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
05/10/62	187	1,510	0,237	6,370	28,700	0,220
05/10/62	187	1,520	0,247	6,160	28,700	0,210
05/10/62	186	1,490	0,249	5,980	28,300	0,210
05/10/62	186	1,530	0,248	6,180	28,600	0,220
05/11/62	184	1,250	0,251	4,970	26,000	0,190
05/11/62	184	1,170	0,234	5,010	26,000	0,190
05/11/62	183	1,140	0,233	4,890	26,000	0,190
05/11/62	183	1,060	0,223	4,760	26,000	0,180
05/16/62	176	0,493	0,283	1,740	13,100	0,130
05/16/62	176	0,492	0,278	1,770	13,100	0,140
05/16/62	176	0,453	0,276	1,640	13,100	0,120
05/16/62	176	0,468	0,267	1,750	13,100	0,130
05/17/62	175	0,438	0,245	1,790	12,700	0,140
05/17/62	176	0,450	0,280	1,610	12,700	0,130
05/18/62	222	12,100	0,644	18,790	53,000	0,350
05/18/62	217	8,880	0,555	15,990	53,000	0,300
05/18/62	216	8,110	0,538	15,070	53,000	0,280
05/19/62	208	5,300	0,477	11,110	49,000	0,230
05/19/62	208	5,230	0,481	10,870	49,000	0,220
05/19/62	206	4,990	0,484	10,320	48,400	0,210
05/19/62	206	4,820	0,462	10,440	48,400	0,210
05/23/62	187	1,240	0,267	4,650	11,000	0,420
05/23/62	187	1,280	0,272	4,700	11,000	0,430
05/23/62	187	1,160	0,261	4,450	10,500	0,420
05/23/62	186	1,210	0,269	4,500	11,500	0,390
05/25/62	186	0,951	0,174	5,480	21,500	0,250
05/25/62	185	0,929	0,171	5,440	21,500	0,250
05/25/62	185	0,615	0,158	3,900	17,000	0,230
05/25/62	185	0,659	0,162	4,060	17,000	0,240
05/25/62	183	0,668	0,150	4,440	19,500	0,230
05/25/62	183	0,590	0,130	4,520	19,500	0,230
05/26/62	183	0,643	0,131	4,920	22,000	0,220
05/26/62	183	0,654	0,129	5,060	22,000	0,230
05/26/62	181	0,562	0,116	4,860	22,000	0,220
05/26/62	181	0,582	0,118	4,940	22,000	0,220
05/26/62	181	0,522	0,106	4,900	22,000	0,220

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
05/26/62	181	0,514	0,108	4,780	22,000	0,220
05/29/62	179	0,358	0,314	1,140	13,000	0,090
05/29/62	179	0,360	0,321	1,120	13,000	0,090
05/29/62	179	0,305	0,302	1,010	9,000	0,110
05/29/62	179	0,341	0,313	1,090	9,000	0,120
05/29/62	179	0,347	0,315	1,100	10,000	0,110
05/29/62	179	0,400	0,348	1,150	10,000	0,110
05/29/62	179	0,341	0,334	1,020	10,000	0,100
05/29/62	179	0,330	0,327	1,010	10,000	0,100
05/31/62	178	0,284	0,293	0,970	10,000	0,100
05/31/62	178	0,291	0,291	1.000,000	10,000	0,100
05/31/62	178	0,245	0,255	0,960	10,000	0,100
05/31/62	178	0,249	0,268	0,930	10,000	0,090
05/31/62	178	0,268	0,279	0,960	10,000	0,100
05/31/62	178	0,291	0,306	0,950	10,000	0,090
05/31/62	178	0,225	0,271	0,830	10,000	0,080
06/01/62	178	0,246	0,264	0,930	10,000	0,090
06/02/62	179	0,397	0,351	1,130	10,000	0,110
06/02/62	179	0,426	0,349	1,220	10,000	0,120
06/02/62	179	0,393	0,339	1,160	10,000	0,120
06/02/62	179	0,351	0,334	1,050	10,000	0,100
06/02/62	179	0,325	0,307	1,060	10,000	0,110
06/02/62	179	0,306	0,319	0,960	10,000	0,100
06/04/62	177	0,213	0,263	0,810	10,000	0,080
06/04/62	177	0,223	0,265	0,840	10,000	0,080
06/06/62	188	1,600	0,448	3,570	20,400	0,180
06/06/62	188	1,620	0,471	3,440	20,400	0,170
04/11/63	170	17,300	0,507	34,110	63,000	0,540
04/18/63	137	10,500	0,560	18,760	35,000	0,540
04/28/63	124	5,840	0,445	13,120	48,000	0,270
05/19/63	105	0,752	0,324	2,320	11,500	0,200
05/20/63	104	0,684	0,318	2,150	12,000	0,180
05/20/63	104	0,608	0,317	1,920	12,000	0,160
05/20/63	104	0,640	0,305	2,100	11,500	0,180
05/20/63	104	0,624	0,298	2,090	11,500	0,180
05/21/63	104	0,615	0,242	2,540	14,000	0,180
05/21/63	104	0,632	0,247	2,560	14,000	0,180
05/21/63	104	0,573	0,235	2,440	14,000	0,170
05/21/63	104	0,567	0,236	2,400	14,000	0,170
05/22/63	103	0,544	0,231	2,350	14,500	0,160
05/22/63	103	0,567	0,241	2,350	14,500	0,160
05/22/63	103	0,550	0,233	2,360	14,000	0,170
05/22/63	103	0,552	0,237	2,330	14,000	0,170
05/23/63	103	0,560	0,232	2,410	14,000	0,170
05/23/63	103	0,568	0,231	2,460	14,000	0,180
05/25/63	102	0,462	0,218	2,120	14,000	0,150
05/25/63	102	0,468	0,219	2,140	14,000	0,150
05/28/63	101	0,400	0,203	1,970	14,000	0,140
05/28/63	101	0,439	0,213	2,060	14,000	0,150
05/28/63	101	0,403	0,206	1,960	13,500	0,140
06/01/63	100	0,283	0,175	1,620	13,000	0,120
06/01/63	100	0,295	0,177	1,670	13,000	0,130
06/01/63	100	0,325	0,185	1,760	13,500	0,130
06/04/63	98	0,251	0,152	1,650	13,000	0,130
06/04/63	98	0,248	0,150	1,650	13,000	0,130
06/08/63	97	0,167	0,117	1,430	11,500	0,120
06/08/63	97	0,185	0,127	1,460	11,500	0,130

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
02/27/64	153	12,400	0,594	20,870	57,360	0,360
02/27/64	149	8,310	0,610	13,610	60,000	0,230
03/08/64	161	16,100	0,584	27,560	36,200	0,760
03/08/64	160	15,200	0,676	22,490	34,700	0,650
03/13/64	159	17,100	0,622	27,490	36,400	0,760
03/13/64	158	17,300	0,646	26,780	36,600	0,730
03/18/64	170	18,700	0,772	24,230	33,000	0,730
03/18/64	169	17,900	0,662	27,050	33,100	0,820
03/24/64	184	28,700	0,794	36,140	57,500	0,630
03/24/64	183	28,100	0,724	38,830	57,100	0,680
04/16/64	382	417,000	1,316	316,900	137,460	2,300
04/25/64	202	40,000	0,629	63,580	104,600	0,610
05/02/64	153	15,200	0,686	22,140	39,300	0,560
05/02/64	152	15,200	0,664	22,880	39,300	0,580
05/18/64	123	5,880	0,607	9,690	24,800	0,390
05/18/64	123	5,660	0,591	9,570	24,800	0,380
05/25/64	117	4,290	0,452	9,490	24,000	0,400
05/25/64	117	4,110	0,431	9,540	24,000	0,400
06/15/64	105	1,720	0,366	4,700	23,200	0,200
06/15/64	105	1,720	0,369	4,660	23,200	0,200
02/19/65	103	1,460	0,272	5,370	25,500	0,210
02/19/65	105	1,570	0,286	5,480	25,500	0,210
02/22/65	97	1,070	0,292	3,660	21,500	0,170
02/22/65	97	1,070	0,279	3,830	21,500	0,180
03/15/65	91	0,768	0,270	2,840	19,000	0,150
03/15/65	91	0,784	0,270	2,900	19,000	0,150
03/22/65	143	9,970	0,647	15,400	26,000	0,590
03/22/65	140	9,040	0,632	14,300	26,000	0,550
03/22/65	128	5,170	0,466	11,100	25,600	0,430
03/22/65	125	4,750	0,461	10,300	25,600	0,400
03/23/65	232	95,900	0,885	108,400	128,000	0,850
03/25/65	182	34,200	0,691	49,500	87,500	0,560
03/31/65	207	57,300	0,736	77,800	88,000	0,880
04/15/65	226	82,100	0,720	114,000	123,000	0,930
04/19/65	219	75,600	0,848	89,100	91,500	0,970
04/19/65	215	65,800	0,633	104,000	80,000	1,300
04/27/65	155	17,200	0,884	19,460	45,000	0,430
04/27/65	155	16,800	0,861	19,500	45,000	0,430
04/29/65	151	16,500	0,663	24,900	55,600	0,450
04/29/65	150	16,000	0,650	24,600	55,600	0,440
04/30/65	163	21,900	0,617	35,500	58,300	0,610
05/18/65	103	2,090	0,296	7,070	24,000	0,290
05/18/65	103	2,070	0,292	7,090	24,000	0,300
05/23/65	96	1,150	0,213	5,390	23,200	0,230
05/23/65	96	1,150	0,211	5,450	23,200	0,230
05/27/65	90	0,756	0,171	4,430	22,400	0,200
05/27/65	90	0,708	0,160	4,430	22,400	0,200
05/31/65	88	0,579	0,152	3,790	21,600	0,170
05/31/65	88	0,613	0,157	3,910	21,600	0,180
06/05/65	97	1,650	0,240	6,860	22,600	0,300
06/05/65	97	1,570	0,227	6,920	22,600	0,310
06/11/65	87	0,523	0,191	2,740	20,000	0,140
06/11/65	87	0,542	0,192	2,830	20,000	0,140
03/04/66	82	1,130	0,155	7,290	13,000	0,560
03/04/66	84	1,080	0,153	7,050	13,000	0,540
03/16/66	72	0,623	0,282	2,210	15,500	0,140
03/16/66	72	0,641	0,277	2,310	15,500	0,150

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
04/13/66	90	2,420	0,457	5,300	16,500	0,320
04/13/66	90	2,420	0,462	5,240	16,500	0,320
02/28/67	188	31,000	0,707	43,830	44,000	1,000
02/28/67	184	28,900	0,709	40,750	44,000	0,930
03/28/67	262	144,000	0,955	150,700	113,000	1,330
04/08/67	307	193,000	0,974	198,200	162,000	1,220
04/11/67	240	96,800	0,972	99,530	101,300	0,980
06/08/67	114	3,880	0,327	11,870	31,000	0,380
07/19/67	83	0,411	0,081	5,080	16,500	0,310
03/07/68	130	2,170	0,123	17,620	36,000	0,490
03/09/68	203	51,000	0,723	70,530	54,500	1,290
03/16/68	328	268,000	1,165	230,100	159,000	1,450
03/18/68	387	436,000	1,260	346,100	166,000	2,080
07/24/68	70	0,141	0,090	1,560	8,000	0,200
07/24/68	70	0,133	0,084	1,580	8,000	0,200
07/30/68	67	0,084	0,056	1,500	7,000	0,210
07/30/68	67	0,083	0,056	1,480	7,000	0,210
05/07/69	82	1,270	0,251	5,060	21,000	0,240
05/08/69	92	3,190	0,424	7,520	23,500	0,320
05/16/69	83	1,740	0,307	5,660	22,000	0,260
05/16/69	83	1,740	0,308	5,640	22,000	0,260
05/21/69	90	3,140	0,352	8,920	24,500	0,360
05/30/69	82	1,860	0,247	7,520	23,000	0,330
05/30/69	83	1,990	0,260	7,640	23,000	0,330
06/12/69	71	0,303	0,048	6,370	20,000	0,320
06/14/69	114	9,020	0,400	22,550	53,300	0,420
06/14/69	114	9,150	0,408	22,450	52,800	0,420
06/19/69	81	1,510	0,325	4,640	21,500	0,220
06/19/69	81	1,470	0,318	4,620	21,500	0,210
07/10/69	82	1,710	0,357	4,790	22,300	0,210
07/10/69	82	1,710	0,353	4,840	22,300	0,220
01/27/70	104	5,690	0,459	12,390	34,500	0,360
01/27/70	104	5,490	0,443	12,390	34,500	0,360
02/03/70	77	1,190	0,156	7,650	20,300	0,380
02/03/70	77	1,150	0,150	7,650	20,300	0,380
02/28/70	71	0,684	0,296	2,310	16,000	0,140
02/28/70	72	0,707	0,301	2,350	16,000	0,150
03/02/70	200	54,800	0,675	81,160	81,300	1,000
03/02/70	195	51,000	0,661	77,130	81,300	0,950
03/02/70	194	47,000	0,613	76,720	81,300	0,940
03/02/70	190	40,900	0,565	72,410	81,200	0,890
03/03/70	160	25,700	0,551	46,630	73,800	0,630
03/03/70	161	26,100	0,549	47,500	73,800	0,640
03/03/70	160	24,500	0,543	45,080	73,800	0,610
03/03/70	160	25,200	0,560	45,040	73,800	0,610
03/04/70	210	60,100	0,699	85,990	81,300	1,060
03/04/70	211	62,600	0,753	83,160	81,300	1,020
03/04/70	244	106,000	0,875	121,200	91,500	1,320
03/04/70	254	111,000	0,916	121,200	91,500	1,320
03/05/70	259	120,000	0,948	126,600	85,600	1,480
03/05/70	222	78,600	0,794	98,940	82,000	1,210
03/06/70	182	41,300	0,630	65,580	80,500	0,810
03/06/70	178	38,700	0,603	64,210	80,500	0,800
03/06/70	171	32,900	0,521	63,190	80,000	0,790
03/06/70	169	33,600	0,565	59,500	79,000	0,750
03/18/70	146	18,800	0,506	37,160	70,000	0,530
03/18/70	144	18,900	0,510	37,060	70,000	0,530

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
01/25/71	100	3,060	0,279	10,970	28,000	0,390
01/25/71	98	3,080	0,279	11,030	28,000	0,390
03/01/71	417	459,000	1,563	293,700	156,000	1,880
03/01/71	462	636,000	1,636	388,800	157,000	2,480
03/02/71	392	341,000	1,056	322,900	155,500	2,080
03/02/71	322	275,000	1,168	235,500	141,500	1,660
03/09/71	137	20,800	0,549	37,870	60,000	0,630
03/09/71	136	19,800	0,526	37,670	60,000	0,630
03/16/71	89	4,240	0,354	11,960	40,000	0,300
03/16/71	89	4,160	0,346	12,020	40,000	0,300
03/18/71	242	241,000	1,441	167,200	116,000	1,440
03/18/71	235	184,000	1,265	145,400	110,000	1,320
03/18/71	196	93,400	0,910	102,600	57,000	1,800
03/18/71	183	74,500	0,807	92,300	57,000	1,620
03/19/71	148	25,300	0,562	44,980	66,000	0,680
03/19/71	145	24,300	0,560	43,430	66,000	0,660
03/20/71	125	13,800	0,457	30,210	62,000	0,490
03/20/71	124	13,500	0,448	30,140	62,000	0,490
03/25/71	131	16,900	0,516	32,770	47,000	0,700
03/25/71	129	16,600	0,516	32,190	47,000	0,680
03/27/71	153	31,000	0,641	48,360	67,500	0,720
03/27/71	154	33,800	0,645	52,380	67,500	0,780
04/16/71	165	40,400	0,557	72,560	55,000	1,320
04/16/71	166	41,200	0,566	72,740	55,000	1,320
04/17/71	142	16,600	0,404	41,140	51,000	0,810
04/17/71	142	16,500	0,402	41,040	51,000	0,800
04/27/71	193	58,300	0,743	78,480	157,000	0,500
04/27/71	192	47,200	0,606	77,840	157,000	0,500
05/08/71	134	12,600	0,424	29,700	71,000	0,420
05/08/71	133	12,900	0,437	29,530	70,500	0,420
05/12/71	136	12,800	0,467	27,420	52,000	0,530
05/12/71	136	12,900	0,463	27,880	52,000	0,540
05/22/71	127	9,890	0,426	23,190	70,500	0,330
05/22/71	126	9,460	0,410	23,050	70,500	0,330
03/27/72	95	2,410	0,281	8,570	28,500	0,300
03/27/72	96	2,600	0,292	8,910	28,500	0,310
05/07/72	90	2,060	0,328	6,280	25,000	0,250
05/07/72	90	2,100	0,332	6,330	25,000	0,250
03/13/73	233	78,100	0,778	100,400	66,300	1,510
05/06/73	135	16,200	0,508	31,900	71,000	0,450
05/06/73	135	15,800	0,539	29,300	71,000	0,410
05/21/73	97	4,360	0,441	9,890	27,300	0,360
05/21/73	97	4,440	0,443	10,030	27,300	0,370
06/09/73	81	1,780	0,433	4,110	15,500	0,260
06/09/73	81	1,790	0,428	4,180	15,500	0,270
06/13/73	76	1,360	0,258	5,270	17,000	0,310
06/13/73	76	1,470	0,272	5,410	17,000	0,320
06/22/73	72	0,996	0,266	3,740	11,200	0,330
06/22/73	72	0,963	0,257	3,750	11,200	0,330
08/08/73	85	2,980	0,345	8,640	24,800	0,350
08/08/73	85	3,060	0,352	8,680	24,800	0,350
03/10/74	369	319,000	1,306	244,300	137,000	1,780
04/18/74	492	765,000	1,867	409,700	155,000	2,640
04/19/74	515	784,000	1,801	435,400	165,000	2,640
05/22/74	196	32,200	0,705	45,680	57,000	0,800
06/19/74	122	3,040	0,311	9,770	24,500	0,400
02/22/75	147	8,580	0,432	19,860	45,000	0,440

Data da Campanha	cota (cm)	vazão (m³/s)	velocidade média (m/s)	área (m²)	largura (m)	profund. (m)
03/19/75	240	65,900	0,796	82,810	71,000	1,170
04/14/75	152	12,400	0,494	25,120	51,000	0,490
05/17/75	155	10,300	0,456	22,610	40,000	0,560
03/16/76	146	7,640	0,432	17,680	49,000	0,360
03/12/77	126	3,170	0,300	10,560	36,500	0,290
05/14/77	196	44,800	0,693	64,600	61,000	1,060
07/21/77	94	0,853	0,361	2,360	12,500	0,190
03/20/78	144	11,300	0,474	23,840	64,000	0,370
06/19/78	96	0,253	0,122	2,080	12,100	0,170
04/14/79	152	22,200	0,394	56,290	57,000	0,990
06/20/79	96	0,407	0,116	3,510	12,500	0,280
03/25/80	116	4,060	0,118	34,280	43,000	0,800
04/26/81	104	0,938	0,128	7,300	25,000	0,290
04/23/82	110	1,960	0,193	10,160	33,000	0,310
05/24/82	90	0,104	0,111	0,940	11,500	0,080
04/10/83	175	38,500	0,711	54,170	70,000	0,770
04/22/84	305	186,000	0,984	189,100	127,000	1,490
05/23/84	134	17,000	0,655	25,960	43,000	0,600
07/23/84	73	0,013	0,162	0,080	2,400	0,030
05/27/85	141	11,400	0,446	25,530	50,000	0,510
07/16/85	126	5,440	0,243	22,420	58,000	0,390
05/03/86	278	123,000	0,862	142,700	114,000	1,250
05/19/86	140	12,200	0,509	23,960	37,000	0,650
07/18/86	110	2,280	0,213	10,660	31,000	0,340
04/23/87	110	2,500	0,293	8,520	51,000	0,170
04/23/87	110	2,400	0,296	8,110	51,000	0,160
05/14/87	100	1,070	0,192	5,560	34,000	0,160
07/14/87	90	0,130	0,088	1,470	15,000	0,100
04/12/88	118	8,000	0,438	18,280	74,000	0,250
05/11/88	127	5,500	0,542	10,140	20,000	0,510
02/22/89	89	1,400	0,242	5,790	40,000	0,140
04/15/89	230	81,600	0,627	130,200	119,500	1,090
06/17/89	111	4,000	0,422	9,470	24,000	0,390
02/18/92	143	21,800	0,440	49,400	75,500	0,650
02/18/92	143	21,300	0,441	48,200	75,500	0,640
03/22/94	124	17,000	0,589	28,860	65,000	0,440
06/16/94	89	3,070	0,408	7,520	34,000	0,220
04/20/95	149	32,300	0,737	43,780	59,000	0,740
07/27/95	64	0,588	0,344	1,710	12,000	0,140
04/23/96	151	22,000	0,604	36,380	79,000	0,460
04/23/96	151	22,100	0,538	41,050	79,000	0,520
07/05/96	66	0,659	0,286	2,300	12,500	0,180
07/05/96	66	0,683	0,291	2,350	12,500	0,190
10/03/96	58	0,153	0,147	1,040	9,000	0,110
04/02/97	129	22,200	0,654	33,880	63,500	0,530
06/02/97	67	1,530	0,264	8,710	44,000	0,240
08/08/97	57	0,792	0,236	3,350	16,500	0,200
03/14/98	41	0,271	0,339	0,800	7,800	0,100