

ANEXO 5 – SIMULAÇÕES CABC

A) NÓ 30: Divisa Vinhedo / Valinhos

Tempo (h)	Vazão Total (m³/s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Original
0,17	0	0	0
0,34	0	0	0
0,51	0	0	0
0,68	0	0	0
0,85	0,553	0,579	0
1,02	9,894	10,607	0,548
1,19	38,649	43,361	5,031
1,36	75,286	89,984	17,708
1,53	99,994	127,343	35,347
1,7	106,425	141,708	49,248
1,87	98,293	134,206	54,714
2,04	84,585	116,513	53,019
2,21	70,537	96,411	47,164
2,38	56,201	75,261	38,895
2,55	42,946	55,177	29,615
2,72	32,223	38,322	20,962
2,89	24,215	25,531	14,036
3,06	18,640	16,636	9,069
3,23	14,794	10,664	5,676
3,4	12,080	6,727	3,454
3,57	10,193	4,250	2,071
3,74	8,785	2,661	1,229
3,91	7,701	1,645	0,718
4,08	6,858	0,998	0,416
4,25	6,120	0,514	0,230
4,42	5,528	0,225	0,081
4,59	5,063	0,122	0,045
4,76	4,650	0,062	0,024
4,93	4,268	0,029	0,011
5,1	3,912	0,010	0,004
5,27	3,581	0	0
5,44	3,282	0	0
5,61	3,005	0	0
5,78	2,751	0	0
5,95	2,520		
6,12	2,310		
6,29	2,120		
6,46	1,948		
6,63	1,793		
6,8	1,652		
6,97	1,525		
7,14	1,412		
7,31	1,310		
7,48	1,215		
7,65	1,119		
7,82	1,017		

B) NÓ 47: Ponte Alta / Pinheiros

Tempo (h)	Vazão Total (m³/s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
0,17	0	0	0
0,34	0	0	0
0,51	0	0	0
0,68	0	0	0
0,85	0,032	0,071	0,169
1,02	2,180	4,750	3,986
1,19	7,961	19,008	20,595
1,36	12,676	30,698	55,313
1,53	13,438	35,176	96,241
1,70	12,027	34,863	125,233
1,87	10,254	30,977	134,371
2,04	8,800	25,390	126,870
2,21	7,580	19,566	111,197
2,38	6,327	13,923	93,161
2,55	5,352	9,692	74,738
2,72	4,768	6,755	57,698
2,89	4,426	4,828	43,479
3,06	4,197	3,698	32,595
3,23	4,038	3,114	24,782
3,40	3,935	2,843	19,252
3,57	3,866	2,728	15,308
3,74	3,817	2,703	12,512
3,91	3,783	2,709	10,455
4,08	3,760	2,724	8,924
4,25	3,746	2,742	7,744
4,42	3,738	2,758	6,782
4,59	3,734	2,770	6,017
4,76	3,735	2,780	5,408
4,93	3,739	2,788	4,893
5,10	3,746	2,792	4,423
5,27	3,755	2,794	4,007
5,44	3,765	2,793	3,646
5,61	3,777	2,790	3,326
5,78	3,789	2,785	3,036
5,95	3,801	2,778	2,775
6,12	3,814	2,769	2,539
6,29	3,826	2,757	2,327
6,46	3,837	2,739	2,136
6,63	3,848	2,708	1,963
6,80	3,856	2,662	1,806
6,97	3,861	2,604	1,664
7,14	3,861	2,539	1,536
7,31	3,857	2,470	1,422
7,48	3,849	2,395	1,318
7,65	3,835	2,317	1,221
7,82	3,817	2,237	1,123
7,99	3,794	2,159	1,022

Tempo (h)	Vazão Total (m ³ /s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
8,16	3,766	2,082	0,919
8,33	3,735	2,008	0,819
8,50	3,701	1,936	0,726
8,67	3,663	1,867	0,642
8,84	3,623	1,800	0,566
9,01	3,581	1,735	0,500
9,18	3,537	1,673	0,441
9,35	3,491	1,614	0,389
9,52	3,443	1,559	0,343
9,69	3,386	1,510	0,302
9,86	3,290	1,464	0,267
10,03	3,157	1,420	0,235
10,20	3,020	1,322	0,208
10,37	2,887	0,966	0,183
10,54	2,762	0,420	0,160
10,71	2,644	0,162	0,127
10,88	2,532	0,060	0
11,05	2,406		0
11,22	2,217		0
11,39	2,059		0
11,56	1,925		0
11,73	1,809		0
11,90	1,710		0
12,07	1,623		0
12,24	1,546		0
12,41	1,477		0
12,58	1,415		0
12,75	1,359		0
12,92	1,307		0
13,09	1,255		0
13,26	1,177		0
13,43	0,915		0
13,60	0,580		0
13,77	0,340		0
13,94	0,146		0

C) NÓ 20: Bom Jardim / Pinheiros

Tempo (h)	Vazão Total (m³/s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
0,17	0	0	0
0,34	0	0	0
0,51	0	0	0
0,68	0,029	0,029	0,03
0,85	0,316	0,344	0,70
1,02	2,231	2,900	8,20
1,19	7,857	12,601	36,05
1,36	18,271	33,849	83,18
1,53	29,689	60,614	127,92
1,70	38,375	82,846	162,58
1,87	42,622	96,275	191,96
2,04	43,054	100,471	214,49
2,21	41,374	96,971	224,87
2,38	38,911	88,423	220,07
2,55	36,117	77,369	202,60
2,72	33,189	66,468	178,65
2,89	30,346	57,821	153,07
3,06	27,832	52,534	128,57
3,23	25,694	50,805	106,80
3,40	23,854	52,055	88,60
3,57	22,193	55,110	74,12
3,74	20,671	58,641	62,93
3,91	19,222	61,412	54,41
4,08	17,862	62,526	47,86
4,25	16,601	61,572	42,74
4,42	15,429	58,565	38,61
4,59	14,349	53,860	35,21
4,76	13,355	47,993	32,29
4,93	12,408	41,543	29,70
5,10	11,490	35,031	27,38
5,27	10,643	28,849	25,28
5,44	9,909	23,294	23,31
5,61	9,281	18,499	21,46
5,78	8,747	14,494	19,80
5,95	8,294	11,240	18,35
6,12	7,912	8,657	17,11
6,29	7,593	6,644	16,07
6,46	7,328	5,099	15,19
6,63	7,110	3,925	14,45
6,80	6,931	3,038	13,83
6,97	6,787	2,371	13,32
7,14	6,663	1,869	12,90
7,31	6,531	1,489	12,55
7,48	6,420	1,196	12,22
7,65	6,348	0,964	11,95
7,82	6,308	0,773	11,73
7,99	6,293	0,613	11,54

Tempo (h)	Vazão Total (m ³ /s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
8,16	6,295	0,480	11,38
8,33	6,307	0,373	11,24
8,50	6,325	0,285	11,11
8,67	6,346	0,208	10,99
8,84	6,369	0,131	10,88
9,01	6,392	0	10,78
9,18	6,413	0	10,68
9,35	6,434	0	10,58
9,52	6,452	0	10,50
9,69	6,469	0	10,41
9,86	6,483	0	10,33
10,03	6,496	0	10,25
10,20	6,507	0	10,15
10,37	6,515	0	10,03
10,54	6,522	0	9,89
10,71	6,527	0	9,74
10,88	6,531	0	
11,05	6,533	0	
11,22	6,534	0	
11,39	6,533	0	
11,56	6,531	0	
11,73	6,528	0	
11,90	6,524	0	
12,07	6,519	0	
12,24	6,514	0	
12,41	6,507	0	
12,58	6,500	0	
12,75	6,493	0	
12,92	6,485	0	
13,09	6,477	0	
13,26	6,468	0	
13,43	6,459	0	
13,60	6,449	0	
13,77	6,440	0	
13,94	6,430	0	
14,11	6,420	0	
14,28	6,410	0	
14,45	6,400	0	
14,62	6,389	0	
14,79	6,378	0	
14,96	6,368	0	
15,13	6,357	0	
15,30	6,346	0	
15,47	6,335	0	
15,64	6,323	0	
15,81	6,311	0	
15,98	6,300	0	
16,15	6,288	0	

Tempo (h)	Vazão Total (m ³ /s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
16,32	6,275	0	
16,49	6,263	0	
16,66	6,250	0	
16,83	6,236	0	
17,00	6,222	0	
17,17	6,208	0	
17,34	6,194	0	
17,51	6,179	0	
17,68	6,163	0	
17,85	6,147	0	
18,02	6,131	0	
18,19	6,113	0	
18,36	6,096	0	
18,53	6,077	0	
18,70	6,058	0	
18,87	6,037	0	
19,04	6,016	0	
19,21	5,994	0	
19,38	5,971	0	
19,55	5,946	0	
19,72	5,920	0	
19,89	5,892	0	
20,06	5,863	0	
20,23	5,832	0	
20,40			
20,57			
20,74			
20,91			
21,08			
21,25			
21,42			
21,59			
21,76			
21,93			
22,10			

D) NÓ 56: Invernada / Pinheiros

Tempo (h)	Vazão Total (m³/s)	
	Cenário	
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção
0,17	0	0
0,34	0	0
0,51	0	0
0,68	0,011	0,011
0,85	0,514	0,560
1,02	10,529	12,122
1,19	31,231	40,151
1,36	44,970	65,602
1,53	46,221	71,854
1,70	41,668	63,444
1,87	35,504	50,270
2,04	29,791	38,170
2,21	24,338	27,831
2,38	19,310	18,862
2,55	15,492	11,779
2,72	12,801	7,035
2,89	10,955	4,177
3,06	9,707	2,542
3,23	8,804	1,579
3,40	8,132	1,013
3,57	7,572	0,618
3,74	7,089	0,430
3,91	6,638	0,299
4,08	6,215	0,204
4,25	5,814	0,135
4,42	5,422	0,076
4,59	5,014	0,040
4,76	4,517	0,022
4,93	4,019	0,011
5,10	3,542	0,005
5,27	3,024	0,002
5,44	2,450	0
5,61	1,942	0
5,78	1,485	0
5,95	1,106	0
6,12	0,818	
6,29	0,593	
6,46	0,407	
6,63	0,269	
6,80	0,174	
6,97	0,110	
7,14	0,069	
7,31	0,043	

E) NÓ 74: Capuava

Tempo (h)	Vazão Total (m³/s)	
	Cenário	
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção
0,17	0	0
0,34	0	0
0,51	0	0
0,68	0,005	0,005
0,85	1,360	1,394
1,02	22,950	23,737
1,19	89,093	94,699
1,36	173,683	193,405
1,53	232,629	274,945
1,70	263,376	330,201
1,87	279,185	370,848
2,04	289,445	405,608
2,21	295,213	431,355
2,38	292,402	439,419
2,55	279,576	425,938
2,72	258,637	393,272
2,89	232,274	346,957
3,06	203,771	293,963
3,23	175,893	240,851
3,40	150,538	192,763
3,57	128,680	152,795
3,74	110,714	122,257
3,91	96,507	100,894
4,08	85,452	87,205
4,25	76,851	79,130
4,42	70,196	74,652
4,59	64,755	71,692
4,76	60,138	68,862
4,93	56,058	65,331
5,10	52,316	60,827
5,27	48,796	55,447
5,44	45,435	49,413
5,61	42,182	43,081
5,78	39,015	36,822
5,95	35,966	30,944
6,12	33,090	25,654
6,29	30,416	21,064
6,46	27,953	17,199
6,63	25,700	14,030
6,80	23,657	11,487
6,97	21,833	9,482
7,14	20,239	7,920
7,31	18,872	6,711
7,48	17,715	5,775
7,65	16,739	5,047

Tempo (h)	Vazão Total (m ³ /s)	
	Cenário	
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção
7,82	15,923	4,475
7,99	15,249	4,018
8,16	14,695	3,644
8,33	14,238	3,329
8,50	13,855	3,058
8,67	13,526	2,822
8,84	13,234	2,614
9,01	12,965	2,430
9,18	12,707	2,263
9,35	12,455	2,104
9,52	12,204	1,955
9,69	11,952	1,832
9,86	11,701	1,739
10,03	11,454	1,666
10,20	11,213	1,604
10,37	10,975	1,549
10,54	10,735	1,491
10,71	10,492	1,412
10,88	10,252	1,271
11,05	10,021	1,035
11,22	9,798	0,592
11,39	9,580	
11,56	9,364	
11,73	9,157	
11,90	8,962	
12,07	8,779	
12,24	8,612	
12,41	8,459	
12,58	8,326	
12,75	8,217	
12,92	8,124	

F) NÓ 57: Córrego São José / Ribeirão Pinheiros

Tempo (h)	Vazão Total (m³/s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
0,17	0	0	0
0,34	0	0	0
0,51	0	0	0
0,68	0	0	0,031
0,85	0,052	0,493	0,696
1,02	1,002	8,831	8,202
1,19	5,183	35,677	36,050
1,36	13,132	59,106	83,177
1,53	21,424	71,650	127,915
1,70	26,882	81,168	162,578
1,87	29,240	87,207	191,960
2,04	29,640	86,237	214,491
2,21	29,109	78,164	224,867
2,38	28,123	65,050	220,065
2,55	26,914	51,270	202,604
2,72	25,791	38,774	178,649
2,89	24,962	27,959	153,068
3,06	24,451	19,241	128,566
3,23	24,190	12,733	106,802
3,40	24,078	8,174	88,604
3,57	24,015	5,123	74,121
3,74	23,925	3,151	62,934
3,91	23,754	1,913	54,410
4,08	23,469	1,152	47,863
4,25	23,052	0,687	42,735
4,42	22,495	0,402	38,614
4,59	21,797	0,212	35,209
4,76	20,963	0	32,288
4,93	20,005	0	29,696
5,10	18,942	0	27,383
5,27	17,790	0	25,280
5,44	16,567	0	23,305
5,61	15,296	0	21,456
5,78	14,003	0	19,802
5,95	12,711	0	18,353
6,12	11,429	0	17,112
6,29	10,163	0	16,068
6,46	8,936	0	15,190
6,63	7,782	0	14,448
6,80	6,736	0	13,831
6,97	5,818	0	13,323
7,14	5,035	0	12,904
7,31	4,383	0	12,546
7,48	3,850	0	12,221
7,65	3,418	0	11,954

Tempo (h)	Vazão Total (m³/s)		
	Cenário		
	Futuro com Bacia de Detenção	Futuro sem Bacia de Detenção	Futuro com Bacia de Detenção (Vazão Rib. Pinheiros)
7,82	3,069	0	11,727
7,99	2,786	0	11,537
8,16	2,554	0	11,377
8,33	2,359	0	11,237
8,50	2,192	0	11,111
8,67	2,040	0	10,992
8,84	1,896	0	10,881
9,01	1,751	0	10,775
9,18	1,600	0	10,676
9,35	1,441	0	10,583
9,52	1,276	0	10,495
9,69	1,110	0	10,412
9,86	0,948	0	10,331
10,03	0,797	0	10,246
10,20	0,658	0	10,147
10,37	0,536	0	10,026
10,54	0,430	0	9,887
10,71	0,341	0	9,740
10,88	0,267	0	9,591
11,05	0,206	0	9,436
11,22	0,156	0	9,267
11,39	0,117	0	9,093
11,56	0,087	0	8,924
11,73	0,065	0	8,758
11,90	0,048	0	8,604
12,07	0,031	0	8,467
12,24	0	0	8,345
12,41	0	0	8,239
12,58	0	0	8,144
12,75	0	0	8,060
12,92	0	0	7,983
13,09	0	0	7,912
13,26	0	0	7,846
13,43	0	0	7,779
13,60	0		7,686
13,77	0		7,531
13,94	0		7,301
14,11	0		7,042
14,28	0		6,803
14,45	0		6,607
14,62	0		6,478
14,79	0		6,422
14,96	0		6,396
15,13	0		6,381
15,30	0		6,369