

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta no centro e margem do rio Araguaia, durante o período de enchente.

Enchente	Rio Araguaia									
	AR 10 C	AR 10 M	AR 20 C	AR 20 M	AR 30 C	AR 30 M	AR 40 C	AR 40 M	AR 50 C	AR 50 M
BACILLARIOPHYCEAE										
<i>Fragillaria</i>	4	17	18	16	0	17	0	34	11	7
<i>Asterionella</i>	0	0	7	0	8	8	0	7	0	3
<i>Amphora</i>	0	0	0	0	8	0	2	0	0	0
<i>Aulacoseira</i>	825	252	631	303	1013	646	420	687	220	209
<i>Diatoma</i>	25	8	25	0	0	4	4	26	7	0
<i>Eunotia</i>	0	0	0	0	0	0	18	0	0	0
<i>Haematococcus</i>	0	0	0	0	0	0	2	0	0	0
<i>Navicula</i>	100	29	18	8	63	92	0	75	30	0
<i>Synedra</i>	0	0	0	0	0	0	2	0	0	0
<i>Stauroneis</i>	0	0	0	0	0	0	9	0	0	0
<i>Suriella</i>	33	25	7	8	17	42	47	220	7	21
<i>Tabellaria</i>	0	0	0	4	0	0	0	0	0	0
<i>Pinnularia</i>	25	8	25	0	17	21	0	45	15	17
<i>Placoneis</i>	0	0	0	32	8	0	0	0	0	17
TOTAL	1013	339	731	371	1133	829	505	1094	291	275
CLHOROPHYCEAE										
<i>Asterococcus</i>	0	0	0	0	0	0	0	0	56	0
<i>Chlamydomonas</i>	0	0	0	0	0	0	0	7	0	0
<i>Chlorella</i>	50	0	0	0	0	0	7	0	0	0
<i>Chlorococcum</i>	0	0	0	0	4	0	0	112	0	0
<i>Coelastrum</i>	0	0	4	16	8	4	2	15	4	10
<i>Crucigenia</i>	17	0	0	0	4	0	0	0	0	0
<i>Dictyosphaerium</i>	0	8	0	0	0	4	0	34	19	0
<i>Dimorphococcus</i>	0	0	0	0	8	13	0	0	0	0
<i>Echinospaeridium</i>	4	0	0	0	13	8	0	4	4	3
<i>Pandorina</i>	0	0	11	4	0	4	0	4	0	0
<i>Eudorina</i>	4	0	0	4	0	0	0	8	0	0
<i>Gloocystis</i>	8	0	4	0	0	0	49	4	0	7
<i>Kirchneriella</i>	0	0	0	4	0	4	2	4	0	0
<i>Nautococcus</i>	0	0	0	0	0	0	2	0	0	0
<i>Oedogonium</i>	0	0	0	0	0	0	0	15	0	0
<i>Pediastrum</i>	42	12	14	8	58	29	9	15	7	17
<i>Scenedesmus</i>	38	21	29	28	63	54	38	49	11	41
<i>Selenastrum</i>	0	0	4	0	0	0	0	0	0	0
<i>Sphaerocystis</i>	0	8	7	0	13	4	11	45	4	3
<i>Sphaeroszoma</i>	0	0	0	4	4	0	0	0	0	0
<i>Tetraedron</i>	0	0	0	0	0	0	2	0	0	0
<i>Ulothrix</i>	8	4	18	4	8	0	0	4	0	0
<i>Xanthidium</i>	0	0	0	4	0	4	0	0	0	0
TOTAL	171	54	89	77	183	129	123	318	105	82
CYANOPHYCEAE										
<i>Anabaena</i>	0	0	4	0	0	0	0	0	0	0
<i>Aphanothece</i>	0	0	0	0	4	4	0	0	0	0
<i>Chroococcus</i>	100	29	125	77	150	79	7	19	11	120
<i>Gomphosphaeria</i>	17	0	0	0	0	13	9	0	0	0
<i>Oscillatoria</i>	13	4	7	69	8	25	13	37	0	7
TOTAL	129	33	136	145	163	121	29	56	11	127
DINOPHYCEAE										
<i>Peridinium</i>	0	0	0	4	4	0	0	0	0	3
TOTAL	0	0	0	4	4	0	0	0	0	3
ZYGNEMATOPHYCEAE										
<i>Arthrodesmus</i>	0	0	0	0	0	0	2	0	0	0
<i>Closterium</i>	4	8	0	20	0	13	9	56	7	3
<i>Closteriopsis</i>	13	12	14	20	13	13	9	52	11	3
<i>Cosmarium</i>	4	0	0	0	0	13	0	22	4	0
<i>Gonatozygon</i>	0	4	0	28	0	8	0	0	0	7
<i>Mougeotia</i>	0	8	0	4	0	13	7	15	4	0
<i>Spirogyra</i>	8	0	0	0	0	0	0	19	0	0
<i>Spondylosium</i>	0	0	0	0	0	0	0	4	0	0
<i>Staurastrum</i>	17	8	7	0	13	25	7	22	4	3
TOTAL	46	41	21	73	25	83	34	190	30	17
EUGLENOPHYCEAE										
<i>Lepocinclis</i>	4	0	0	0	0	0	0	0	0	0
<i>Euglena</i>	0	0	0	4	0	0	11	7	0	0
<i>Pachycladella</i>	0	0	0	0	0	0	4	0	0	0
<i>Phacus</i>	0	8	0	8	4	0	0	7	4	3
<i>Trachelomonas</i>	0	0	0	4	0	0	0	0	0	0
<i>Strombomonas</i>	33	21	25	4	54	63	11	97	19	27
TOTAL	38	29	25	20	58	63	27	112	22	31
CRYSOPHYCEAE										
<i>Dinobryon</i>	0	0	0	4	0	0	0	0	0	0
TOTAL	0	0	0	4	0	0	0	0	0	0
TOTAL GERAL	1396	496	1003	694	1567	1225	718	1770	459	536

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta nos tributários e lagoas marginais, durante o período de enchente.

Enchente nº org/L	Tributários			
	TR 20	TR 50	TR 65	TR 70
BACILLARIOPHYCEAE				
<i>Fragillaria</i>	0	67	35	10
<i>Achnantheidium</i>	0	0	7	0
<i>Asterionella</i>	0	0	12	0
<i>Aulacoseira</i>	84	9	30	69
<i>Gomphonema</i>	0	0	9	0
<i>Navicula</i>	12	25	55	50
<i>Stauroneis</i>	4	0	2	0
<i>Surirella</i>	4	6	9	63
<i>Pinnularia</i>	0	0	16	20
<i>Tabellaria</i>	0	0	0	3
TOTAL	104	107	176	215
CLHOROPHYCEAE				
<i>Ankistrodesmus</i>	0	0	12	0
<i>Chlamydomonas</i>	0	0	2	0
<i>Chlorococcum</i>	0	0	12	0
<i>Coelastrum</i>	0	28	0	0
<i>Crucigenia</i>	0	0	0	13
<i>Dictyosphaerium</i>	0	0	0	3
<i>Dimorphococcus</i>	0	0	0	3
<i>Eudorina</i>	12	0	0	0
<i>Micractinium</i>	0	0	2	0
<i>Pediastrum</i>	0	0	14	0
<i>Scenedesmus</i>	4	0	14	7
<i>Sphaerocystis</i>	4	0	0	0
<i>Sphaerosozoma</i>	0	52	0	0
<i>Ulothrix</i>	19	0	23	3
<i>Xanthidium</i>	0	9	0	0
TOTAL	38	89	79	30
CYANOPHYCEAE				
<i>Chroococcus</i>	4	37	0	13
<i>Merismopedia</i>	0	0	5	0
<i>Oscillatoria</i>	4	6	5	59
TOTAL	8	43	9	73
ZYGNEMATOPHYCEAE				
<i>Bambusina</i>	0	0	0	3
<i>Closterium</i>	0	31	21	7
<i>Closteriopsis</i>	4	25	7	13
<i>Cosmarium</i>	4	25	0	10
<i>Euastrum</i>	0	0	2	0
<i>Gonatozygon</i>	4	3	2	17
<i>Hyalotheca</i>	4	0	0	0
<i>Micrasteria</i>	0	3	0	0
<i>Mougeotia</i>	0	46	0	0
<i>Spirogyra</i>	0	0	0	7
<i>Spondylosium</i>	0	31	0	0
<i>Staurastrum</i>	4	83	5	0
TOTAL	19	245	37	57
EUGLENOPHYCEAE				
<i>Euglena</i>	4	6	2	10
<i>Phacus</i>	0	9	0	0
<i>Strombomonas</i>	4	0	5	0
TOTAL	8	15	7	10
TOTAL GERAL	177	500	307	383

Enchente nº org/L	Lagoas Marginais			
	LR 10 M	LR 20 C	LR 20 M	LR 30 M
BACILLARIOPHYCEAE				
<i>Fragillaria</i>	13	0	12	0
<i>Asterionella</i>	0	0	4	0
<i>Amphora</i>	4	0	8	0
<i>Aulacoseira</i>	54	353	558	365
<i>Cyclotella</i>	0	0	0	8
<i>Diploneis</i>	0	9	0	0
<i>Eunotia</i>	0	0	0	4
<i>Gomphonema</i>	0	0	0	4
<i>Haematococcus</i>	0	39	0	37
<i>Melosira</i>	0	4	0	0
<i>Navicula</i>	33	22	70	0
<i>Nitzschia</i>	0	0	0	8
<i>Synedra</i>	0	9	0	4
<i>Surirella</i>	0	22	29	8
<i>Pinnularia</i>	38	13	54	4
<i>Placoneis</i>	0	0	25	0
TOTAL	142	469	761	443
CLHOROPHYCEAE				
<i>Acatospaera</i>	0	0	0	4
<i>Chlamydomonas</i>	0	0	4	0
<i>Chlorella</i>	0	4	0	8
<i>Coelastrum</i>	0	0	4	0
<i>Dictyosphaerium</i>	0	4	0	0
<i>Echinospaeridium</i>	0	0	50	0
<i>Eudorina</i>	0	13	0	4
<i>Gloeocystis</i>	17	43	25	49
<i>Neochloris</i>	0	0	0	4
<i>Oedogonium</i>	0	0	0	4
<i>Pandorina</i>	0	0	0	8
<i>Pediastrum</i>	0	17	29	21
<i>Scenedesmus</i>	0	39	29	37
<i>Selenastrum</i>	0	0	4	0
<i>Sphaerocystis</i>	0	4	0	0
<i>Tetracoccus</i>	0	0	0	8
<i>Ulothrix</i>	38	0	0	0
TOTAL	54	125	145	148
CYANOPHYCEAE				
<i>Chroococcus</i>	54	0	83	21
<i>Gomphosphaeria</i>	0	0	8	0
<i>Merismopedia</i>	8	0	0	4
<i>Oscillatoria</i>	0	4	17	8
<i>Spirulina</i>	4	0	0	0
TOTAL	67	4	107	33
DINOPHYCEAE				
<i>Peridinium</i>	0	0	0	12
TOTAL	0	0	0	12
ZYGNEMATOPHYCEAE				
<i>Closterium</i>	0	34	4	16
<i>Closteriopsis</i>	8	4	4	8
<i>Cosmarium</i>	4	4	21	8
<i>Gonatozygon</i>	4	0	0	0
<i>Mougeotia</i>	13	0	0	0
<i>Staurastrum</i>	0	4	8	0
TOTAL	29	47	37	33
EUGLENOPHYCEAE				
<i>Astacia</i>	0	0	0	4
<i>Euglena</i>	0	4	0	4
<i>Phacus</i>	0	4	12	0
<i>Strombomonas</i>	0	52	83	98
TOTAL	0	60	95	107
TOTAL GERAL	292	705	1145	775

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta no centro e margem do Rio Araguaia, durante o período de cheia.

Cheia	nº org/L	Rio Araguaia									
		AR 10 C	AR 10 M	AR 20 C	AR 20 M	AR 30 C	AR 30 M	AR 40 C	AR 40 M	AR 50 C	AR 50 M
BACILLARIOPHYCEAE											
<i>Fragillaria</i>	0	0	0	41	56	0	4	0	0	20	
<i>Frustulia</i>	0	4	0	0	0	0	0	0	0	0	
<i>Asterionella</i>	0	0	13	0	0	18	11	8	0	4	
<i>Aulacoseira</i>	132	56	924	41	638	131	646	267	336	368	
<i>Cymbella</i>	0	0	0	0	0	0	4	0	0	0	
<i>Diatoma</i>	4	0	50	0	0	0	46	4	4	32	
<i>Encyonema</i>	0	0	0	0	0	7	0	0	0	0	
<i>Eunotia</i>	0	0	0	0	0	9	0	0	0	0	
<i>Gyrosigma</i>	0	0	0	0	0	0	11	8	0	0	
<i>Gomphonema</i>	0	0	0	0	0	2	0	0	0	0	
<i>Navicula</i>	0	4	17	0	0	18	8	8	7	8	
<i>Rhizosolenia</i>	0	0	0	0	0	0	4	0	0	0	
<i>Synedra</i>	0	0	0	0	0	11	0	0	0	0	
<i>Stauroneis</i>	0	4	38	4	0	40	27	8	7	52	
<i>Surirella</i>	11	0	21	4	0	20	30	0	11	24	
<i>Tabelaria</i>	0	0	0	0	0	2	0	0	0	0	
<i>Pinularia</i>	0	0	21	0	0	9	4	8	4	8	
TOTAL	146	69	1084	89	694	267	794	313	367	516	
CHLOROPHYCEAE											
<i>Ankistrodesmus</i>	0	4	0	0	0	0	8	0	0	0	
<i>Asterococcus</i>	0	4	0	0	30	0	0	0	0	0	
<i>Chlorococcum</i>	0	0	0	0	0	0	19	0	0	40	
<i>Coelastrum</i>	0	0	8	0	7	0	4	0	0	4	
<i>Crucigenia</i>	0	0	0	0	0	22	0	59	0	0	
<i>Dictyosphaerium</i>	4	0	8	4	0	11	0	25	7	16	
<i>Dimorphococcus</i>	0	0	8	0	0	0	4	0	0	0	
<i>Desmidiium</i>	0	0	0	0	37	0	0	0	0	0	
<i>Echinosphaeridium</i>	0	0	4	0	0	0	4	0	7	4	
<i>Eudorina</i>	0	0	21	0	108	0	11	0	4	0	
<i>Gloeocystis</i>	0	0	4	0	0	0	4	0	0	0	
<i>Pandorina</i>	0	0	0	0	4	0	0	0	0	4	
<i>Pediastrum</i>	0	0	13	4	45	7	11	4	11	8	
<i>Scenedesmus</i>	0	4	25	0	0	64	11	21	7	24	
<i>Sorastrum</i>	0	0	0	0	0	0	0	0	4	0	
<i>Sphaerocystis</i>	0	0	0	0	0	9	0	0	0	0	
<i>Sphaeroszoma</i>	0	4	0	0	0	0	0	0	0	0	
<i>Tetraedriella</i>	0	4	0	0	0	0	0	0	0	0	
<i>Tetraedron</i>	0	0	0	0	0	0	4	0	0	0	
<i>Ulothrix</i>	11	4	4	4	26	18	0	0	4	0	
<i>Volvox</i>	0	0	0	0	4	0	0	0	0	0	
<i>Xanthidium</i>	0	0	0	8	45	0	0	0	0	0	
<i>Zygnema</i>	0	0	0	0	0	96	0	0	0	0	
TOTAL	14	26	97	20	306	227	76	114	42	100	
CYANOPHYCEAE											
<i>Anabaena</i>	0	0	17	0	30	0	0	4	0	0	
<i>Chroococcus</i>	0	0	294	0	15	0	118	68	4	0	
<i>Gomphosphaeria</i>	0	0	0	0	0	0	4	0	0	0	
<i>Nostoc</i>	0	0	0	0	0	9	0	0	0	0	
<i>Oscillatoria</i>	0	0	38	12	101	0	23	17	0	32	
TOTAL	0	0	349	12	146	9	144	89	4	32	
DINOPHYCEAE											
<i>Ceratium</i>	0	0	0	0	0	0	0	0	0	4	
TOTAL	0	0	0	0	0	0	0	0	0	4	
ZYGNEMATOPHYCEAE											
<i>Bambusina</i>	0	4	0	0	0	0	0	0	0	0	
<i>Closterium</i>	0	4	17	24	108	76	34	17	11	32	
<i>Closteriopsis</i>	0	4	4	0	15	0	8	8	0	4	
<i>Cosmarium</i>	0	0	13	0	0	0	8	0	4	0	
<i>Gonatozygon</i>	0	0	13	0	86	0	11	4	0	0	
<i>Micrasteria</i>	0	0	0	0	7	0	0	0	0	0	
<i>Mougeotia</i>	0	4	46	4	49	0	15	0	4	4	
<i>Spirogyra</i>	0	0	0	0	67	0	0	0	0	0	
<i>Staurastrum</i>	0	0	8	4	26	64	19	4	0	16	
TOTAL	0	17	101	33	358	140	95	34	18	56	
EUGLENOPHYCEAE											
<i>Euglena</i>	0	0	4	0	0	2	4	0	0	0	
<i>Phacus</i>	0	4	17	4	0	0	4	0	0	12	
<i>Strombomonas</i>	7	0	63	0	0	0	49	13	39	32	
TOTAL	7	4	84	4	0	2	57	13	39	44	
CRYSOPHYCEAE											
<i>Dinobryon</i>	0	0	0	0	4	0	0	0	0	0	
TOTAL	0	0	0	0	4	0	0	0	0	0	
TOTAL GERAL	168	117	1714	159	1508	644	1166	563	470	752	

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta nos tributários e lagoas marginais, durante o período de cheia.

Cheia nº org/L	Tributários			
	TR 20	TR 50	TR 65	TR 70
BACILLARIOPHYCEAE				
<i>Fragillaria</i>	151	108	37	7
<i>Aulacoseira</i>	605	0	110	73
<i>Diatoma</i>	50	0	0	0
<i>Navicula</i>	151	14	0	7
<i>Surirella</i>	50	7	37	7
<i>Pinnularia</i>	25	7	0	0
TOTAL	1033	137	183	95
CHLOROPHYCEAE				
<i>Coelastrum</i>	0	0	0	4
<i>Crucigenia</i>	0	25	0	0
<i>Dictyosphaerium</i>	25	0	37	0
<i>Dimorphococcus</i>	0	7	0	0
<i>Desmidiium</i>	0	11	0	0
<i>Eudorina</i>	0	4	0	0
<i>Kirchneriella</i>	0	7	0	0
<i>Oedogonium</i>	0	0	0	7
<i>Pandorina</i>	0	4	0	0
<i>Pediastrum</i>	0	4	0	0
<i>Scenedesmus</i>	0	7	0	0
<i>Ulothrix</i>	202	97	0	0
TOTAL	227	166	37	11
CYANOPHYCEAE				
<i>Chroococcus</i>	0	29	0	22
<i>Oscillatoria</i>	25	18	73	37
TOTAL	25	47	73	59
DINOPHYCEAE				
<i>Ceratium</i>	0	11	0	0
<i>Peridinium</i>	0	7	110	11
TOTAL	0	18	110	11
ZYGNEMATOPHYCEAE				
<i>Closterium</i>	126	50	37	22
<i>Closteriopsis</i>	0	0	0	7
<i>Cosmarium</i>	0	11	0	4
<i>Euastrum</i>	0	4	0	0
<i>Gonatozygon</i>	101	0	0	4
<i>Hyalotheca</i>	0	4	0	0
<i>Mougeotia</i>	151	25	0	18
<i>Staurastrum</i>	25	11	0	0
TOTAL	403	104	37	55
EUGLENOPHYCEAE				
<i>Euglena</i>	76	11	0	0
<i>Phacus</i>	25	22	0	4
<i>Trachelomonas</i>	0	4	0	0
TOTAL	101	36	0	4
TOTAL GERAL	1789	508	439	235

Cheia nº org/L	Lagoas Marginais				
	LR 10 M	LR 20 C	LR 20 M	LR 30 C	LR 30 M
BACILLARIOPHYCEAE					
<i>Fragillaria</i>	45	0	0	234	56
<i>Frustulia</i>	0	0	0	0	0
<i>Asterionella</i>	0	0	0	18	3
<i>Aulacoseira</i>	95	1890	5170	479	244
<i>Diatoma</i>	0	23	31	7	6
<i>Encyonema</i>	5	0	0	0	0
<i>Eunotia</i>	41	0	0	0	0
<i>Gomphonema</i>	5	0	0	0	0
<i>Haematococcus</i>	23	0	0	0	0
<i>Navicula</i>	14	0	0	4	60
<i>Stauroneis</i>	99	0	0	0	3
<i>Surirella</i>	0	0	16	0	3
<i>Pinnularia</i>	401	0	0	0	3
TOTAL	725	1913	5217	742	379
CHLOROPHYCEAE					
<i>Asterococcus</i>	0	0	0	0	16
<i>Chlorococcum</i>	0	0	0	61	163
<i>Coelastrum</i>	0	0	0	0	9
<i>Crucigenia</i>	0	0	0	72	88
<i>Dictyosphaerium</i>	0	45	0	198	28
<i>Desmidiium</i>	0	0	0	4	22
<i>Echinosphaeridium</i>	0	0	0	29	16
<i>Pandorina</i>	0	0	0	83	13
<i>Eudorina</i>	0	0	0	61	47
<i>Gloeocystis</i>	0	0	0	32	9
<i>Kirchneriella</i>	0	0	0	29	47
<i>Oedogonium</i>	0	0	0	18	41
<i>Pediastrum</i>	0	0	31	29	3
<i>Scenedesmus</i>	0	0	0	32	3
<i>Selenastrum</i>	0	0	0	11	13
<i>Sphaerocystis</i>	0	0	0	29	3
<i>Sphaerosozma</i>	0	0	0	0	6
<i>Tetraedron</i>	0	0	0	4	0
<i>Ulothrix</i>	5	0	0	0	0
<i>Volvox</i>	5	0	0	0	0
<i>Xanthidium</i>	0	0	0	0	16
<i>Zygnema</i>	18	0	0	0	0
TOTAL	27	45	31	691	542
CYANOPHYCEAE					
<i>Aphanothece</i>	0	0	0	4	0
<i>Chroococcus</i>	0	0	0	162	85
<i>Gomphosphaeria</i>	0	0	0	4	6
<i>Nostoc</i>	18	0	0	0	0
<i>Oscillatoria</i>	0	135	94	40	75
<i>Spirulina</i>	5	0	0	0	0
TOTAL	23	135	94	209	166
DINOPHYCEAE					
<i>Ceratium</i>	0	0	94	0	0
<i>Peridinium</i>	0	0	893	0	0
TOTAL	0	0	987	0	0
ZYGNEMATOPHYCEAE					
<i>Closterium</i>	72	135	0	14	22
<i>Closteriopsis</i>	18	0	0	4	0
<i>Cosmarium</i>	0	68	1128	97	47
<i>Euastrum</i>	0	0	125	14	3
<i>Gonatozygon</i>	0	0	0	97	25
<i>Hyalotheca</i>	0	0	0	4	0
<i>Mougeotia</i>	0	1463	5750	536	379
<i>Spirogyra</i>	0	0	0	47	3
<i>Spondylosium</i>	0	0	0	0	3
<i>Staurastrum</i>	0	1170	2287	101	16
TOTAL	90	2835	9290	914	498
EUGLENOPHYCEAE					
<i>Euglena</i>	0	0	0	68	3
<i>Phacus</i>	0	0	16	7	0
<i>Trachelomonas</i>	0	0	0	14	0
TOTAL	0	0	16	90	3
TOTAL GERAL	864	4928	15635	2646	1589

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta no centro e margem do Rio Araguaia, durante o período de vazante.

Vazante nº org/L	Rio Araguaia									
	AR 10 C	AR 10 M	AR 20 C	AR 20 M	AR 30 C	AR 30 M	AR 40 C	AR 40 M	AR 50 C	AR 50 M
BACILLARIOPHYCEAE										
<i>Fragilaria</i>	25	42	23	17	77	147	216	52	100	43
<i>Asterionella</i>	75	46	23	93	138	40	234	539	100	98
<i>Aulacoseira</i>	2590	1054	2241	1969	7636	6767	21600	23038	6980	1310
<i>Diatoma</i>	575	63	135	178	1457	469	2430	2923	600	341
<i>Navicula</i>	20	8	18	47	46	134	72	17	80	64
<i>Synedra</i>	0	0	0	0	0	13	0	17	40	30
<i>Stauroneis</i>	0	0	0	0	15	0	0	0	0	0
<i>Surirella</i>	30	25	68	38	153	295	540	487	400	192
<i>Pinnularia</i>	15	33	9	106	46	80	0	0	80	111
TOTAL	3330	1271	2516	2447	9568	7946	25092	27074	8380	2189
CHLOROPHYCEAE										
<i>Ankistrodesmus</i>	0	0	0	0	0	13	0	0	0	0
<i>Asterococcus</i>	80	0	0	0	0	0	0	0	160	0
<i>Chlorella</i>	0	0	0	47	0	0	0	0	0	0
<i>Chlorococcum</i>	150	0	0	0	460	228	180	0	500	128
<i>Coelastrum</i>	5	4	0	4	31	40	54	104	40	13
<i>Crucigenia</i>	90	63	0	0	15	121	0	0	0	0
<i>Dictyosphaerium</i>	35	21	90	21	537	174	540	870	500	64
<i>Dimorphococcus</i>	5	0	0	0	0	0	0	0	0	4
<i>Echinosphaeridium</i>	0	0	0	8	31	54	18	87	40	0
<i>Eudorina</i>	50	25	0	34	337	268	180	244	120	4
<i>Golenkinia</i>	0	0	0	4	61	27	0	70	40	0
<i>Gloeocystis</i>	10	4	0	0	0	27	18	0	0	0
<i>Golenkiniopsis</i>	0	0	0	0	0	0	0	35	0	26
<i>Kirchneriella</i>	0	0	23	0	15	0	18	0	0	0
<i>Oedogonium</i>	0	0	0	0	15	0	0	0	0	4
<i>Oocystis</i>	10	4	0	4	92	0	0	17	60	17
<i>Pediastrum</i>	90	71	68	55	1457	1206	504	2697	700	341
<i>Scenedesmus</i>	105	25	23	80	843	670	720	870	600	363
<i>Sorastrum</i>	0	0	0	0	0	0	0	0	0	4
<i>Sphaerocystis</i>	0	0	0	0	0	0	0	87	0	0
<i>Sphaeroszoma</i>	0	0	0	0	0	0	0	17	0	0
<i>Tetraedron</i>	0	0	0	0	0	0	0	0	0	4
<i>Ulothrix</i>	0	0	0	0	15	13	0	0	0	0
TOTAL	630	217	203	258	3910	2841	2232	5098	2760	973
CYANOPHYCEAE										
<i>Anabaena</i>	225	83	180	631	2959	2050	4320	5829	1500	585
<i>Aphanothece</i>	10	0	0	0	0	0	0	0	0	0
<i>Chroococcus</i>	100	146	0	64	506	670	0	174	160	0
<i>Microcystis</i>	0	0	0	0	0	0	0	122	0	0
<i>Mirismopedia</i>	5	0	0	0	0	0	0	0	20	9
<i>Oscillatoria</i>	300	83	117	423	920	1005	1530	766	240	192
TOTAL	640	313	297	1118	4385	3725	5850	6890	1920	785
DINOPHYCEAE										
<i>Peridinium</i>	0	0	0	0	15	0	0	104	0	21
TOTAL	0	0	0	0	15	0	0	104	0	21
ZYGNEMATOPHYCEAE										
<i>Closterium</i>	85	42	95	55	537	670	306	261	600	277
<i>Closteriopsis</i>	0	0	0	0	0	0	0	0	0	4
<i>Cosmarium</i>	20	0	0	4	61	0	0	35	40	43
<i>Gonatozygon</i>	0	0	0	4	0	0	0	0	0	0
<i>Mougeotia</i>	930	188	608	593	4983	3377	5292	8648	2160	768
<i>Spondylosium</i>	0	0	0	0	15	0	18	17	0	0
<i>Staurastrum</i>	200	29	18	59	1150	670	306	957	900	213
TOTAL	1235	258	720	715	6747	4717	5922	9918	3700	1306
EUGLENOPHYCEAE										
<i>Euglena</i>	5	0	0	0	0	0	0	0	0	4
<i>Phacus</i>	0	0	5	4	0	0	0	17	0	0
<i>Strombomonas</i>	0	0	0	0	0	0	18	52	20	4
TOTAL	5	0	5	4	0	0	18	70	20	9
CRYSOPHYCEAE										
<i>Dinobryon</i>	0	0	0	0	0	0	0	35	20	0
TOTAL	0	0	0	0	0	0	0	35	20	0
TOTAL GERAL	5840	2058	3740	4542	24625	19229	39114	49190	16800	5282

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta nos tributários e lagoas marginais, durante o período de vazante.

Vazante	Tributários				
	nº org/L	TR 20	TR 50	TR 65	TR 70
BACILLARIOPHYCEAE					
<i>Fragillaria</i>	16	55	182	81	
<i>Frustulia</i>	0	0	17	4	
<i>Aulacoseira</i>	1320	0	55	4	
<i>Diatoma</i>	7	0	0	8	
<i>Eunotia</i>	7	0	0	0	
<i>Gyrosigma</i>	0	0	7	0	
<i>Navicula</i>	39	30	48	192	
<i>Synedra</i>	29	30	34	23	
<i>Stauroneis</i>	33	13	17	4	
<i>Surirella</i>	39	13	21	42	
<i>Pinnularia</i>	78	25	21	8	
<i>Placoneis</i>	0	0	0	4	
<i>Pleurosigma</i>	16	0	7	0	
<i>Ulnaria</i>	0	4	0	0	
TOTAL	1584	169	409	368	
CHLOROPHYCEAE					
<i>Coelastrum</i>	346	0	7	0	
<i>Eudorina</i>	33	4	0	0	
<i>Oedogonium</i>	16	0	0	15	
<i>Pandorina</i>	0	0	3	0	
<i>Scenedesmus</i>	3	0	14	0	
<i>Xanthidium</i>	0	0	7	0	
TOTAL	399	4	31	15	
CYANOPHYCEAE					
<i>Anabaena</i>	16	0	0	4	
<i>Oscillatoria</i>	46	47	48	23	
<i>Spirulina</i>	3	0	0	15	
TOTAL	65	47	48	42	
DINOPHYCEAE					
<i>Peridinium</i>	7	0	14	0	
TOTAL	7	0	14	0	
ZYGNEMATOPHYCEAE					
<i>Actinotaenium</i>	0	0	0	58	
<i>Closterium</i>	49	34	24	130	
<i>Cosmarium</i>	26	21	17	27	
<i>Euastrum</i>	3	0	0	0	
<i>Gonatozygon</i>	0	4	0	0	
<i>Hyaloteca</i>	0	0	0	4	
<i>Micrasteria</i>	0	0	0	12	
<i>Mougeotia</i>	10	0	3	15	
<i>Spirogyra</i>	0	0	0	4	
<i>Staurastrum</i>	13	0	27	42	
TOTAL	101	59	72	291	
EUGLENOPHYCEAE					
<i>Euglena</i>	0	21	7	0	
<i>Phacus</i>	0	0	10	4	
TOTAL	0	21	17	4	
CRYSOPHYCEAE					
<i>Synura</i>	0	0	27	245	
TOTAL	0	0	27	245	
TOTAL GERAL	2156	300	618	966	

Vazante	Lagoas Marginais					
	nº org/L	LR 10 M	LR 20 C	LR 20 M	LR 30 C	LR 30 M
BACILLARIOPHYCEAE						
<i>Fragillaria</i>	0	0	0	456	205	
<i>Aulacoseira</i>	393	31058	27125	240	50	
<i>Diatoma</i>	424	0	25	0	5	
<i>Eucampia</i>	0	0	0	24	20	
<i>Eunotia</i>	18	0	0	48	10	
<i>Navicula</i>	393	0	25	1560	710	
<i>Stauroneis</i>	0	0	0	72	10	
<i>Pinnularia</i>	157	0	0	2184	815	
TOTAL	1385	31058	27175	4584	1825	
CHLOROPHYCEAE						
<i>Ankistrodesmus</i>	0	99	25	24	0	
<i>Coelastrum</i>	0	0	75	24	0	
<i>Crucigenia</i>	0	0	0	24	0	
<i>Dictyosphaerium</i>	6	2468	1625	24	10	
<i>Desmidiium</i>	0	0	0	0	10	
<i>Eudorina</i>	0	0	0	24	5	
<i>Golenkinia</i>	0	0	0	0	5	
<i>Gloeocystis</i>	0	0	500	0	0	
<i>Kirchneriella</i>	0	329	750	72	0	
<i>Oedogonium</i>	61	0	0	24	40	
<i>Oocystis</i>	0	362	0	0	0	
<i>Pediastrum</i>	6	263	50	72	0	
<i>Scenedesmus</i>	12	99	100	48	5	
<i>Selenastrum</i>	0	428	625	0	0	
<i>Sorastrum</i>	0	0	25	0	0	
<i>Tetraedron</i>	0	0	25	0	0	
<i>Ulothrix</i>	12	0	0	0	0	
<i>Xanthidium</i>	0	197	200	72	0	
TOTAL	97	4244	4000	408	75	
CYANOPHYCEAE						
<i>Anabaena</i>	30	0	0	120	25	
<i>Chroococcus</i>	12	0	0	240	0	
<i>Oscillatoria</i>	79	165	325	168	35	
TOTAL	121	165	325	528	60	
DINOPHYCEAE						
<i>Ceratium</i>	0	0	0	0	5	
<i>Peridinium</i>	0	395	200	0	0	
TOTAL	0	395	200	0	5	
ZYGNEMATOPHYCEAE						
<i>Closterium</i>	127	329	125	504	230	
<i>Cosmarium</i>	12	790	1250	192	90	
<i>Euastrum</i>	0	33	0	144	45	
<i>Gonatozygon</i>	18	33	0	432	55	
<i>Hyalotheca</i>	6	0	0	192	15	
<i>Micrasteria</i>	0	0	0	0	15	
<i>Mougeotia</i>	127	25695	15150	768	190	
<i>Pleurotaenium</i>	0	0	0	0	5	
<i>Spirogyra</i>	67	0	0	0	10	
<i>Spondylosium</i>	0	0	0	48	0	
<i>Staurastrum</i>	18	13950	15875	168	15	
TOTAL	375	40829	32400	2448	670	
EUGLENOPHYCEAE						
<i>Euglena</i>	0	0	0	192	40	
<i>Phacus</i>	0	0	0	120	15	
<i>Trachelomonas</i>	0	66	0	0	0	
<i>Strombomonas</i>	0	0	0	0	5	
TOTAL	0	66	0	312	60	
CRYSOPHYCEAE						
<i>Synura</i>	0	0	0	24	5	
TOTAL	0	0	0	24	5	
TOTAL GERAL	1978	76756	64100	8304	2700	

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta no centro e margem do Rio Araguaia, durante o período de seca.

Seca nº org/L	Rio Araguaia									
	AR 10 C	AR 10 M	AR 20 C	AR 20 M	AR 30 C	AR 30 M	AR 40 C	AR 40 M	AR 50 C	AR 50 M
BACILLARIOPHYCEAE										
<i>Fragillaria</i>	68	23	14	50	9	30	14	7	9	31
<i>Asterionella</i>	11	0	0	0	9	4	0	0	0	4
<i>Aulacoseira</i>	2576	12987	840	708	1465	598	3773	454	602	307
<i>Diatoma</i>	11	0	21	8	9	0	14	7	0	0
<i>Gyrosigma</i>	0	78	21	17	0	0	0	0	0	0
<i>Navicula</i>	113	293	42	25	121	30	101	14	39	115
<i>Surirella</i>	136	390	77	92	17	35	144	18	9	61
<i>Pinnularia</i>	23	137	28	100	113	100	130	11	30	65
<i>Placoneis</i>	23	0	0	0	0	0	0	0	0	35
TOTAL	2961	13907	1043	1000	1742	797	4176	511	689	617
CHLOROPHYCEAE										
<i>Ankistrodesmus</i>	11	98	0	0	0	0	0	0	0	0
<i>Asterococcus</i>	0	0	77	0	9	0	58	11	4	8
<i>Chlorococcum</i>	418	585	28	0	0	0	0	0	0	0
<i>Coelastrum</i>	215	363	161	75	87	65	115	14	39	27
<i>Dictyosphaerium</i>	316	273	840	200	199	65	418	115	108	61
<i>Echinospaeridium</i>	147	39	140	67	121	78	245	47	39	73
<i>Eudorina</i>	68	137	56	158	9	9	29	0	0	12
<i>Golenkinia</i>	0	0	14	0	9	0	0	0	0	0
<i>Gloeocystis</i>	79	39	126	58	442	52	144	184	52	73
<i>Kirchneriella</i>	90	117	21	0	9	4	14	11	4	12
<i>Oedogonium</i>	34	0	0	8	43	30	0	0	4	88
<i>Oocystis</i>	396	39	77	83	0	0	0	4	4	0
<i>Pandorina</i>	0	0	0	0	0	0	0	0	4	8
<i>Pediastrum</i>	520	468	756	475	1508	719	1483	313	321	433
<i>Scenedesmus</i>	271	98	210	200	251	147	202	79	43	46
<i>Sorastrum</i>	11	0	0	0	0	4	0	0	0	8
<i>Sphaerocystis</i>	57	0	14	0	0	0	0	0	0	12
<i>Tetraedron</i>	23	0	0	0	9	4	0	4	0	0
<i>Ulothrix</i>	23	0	0	0	9	0	0	0	0	0
<i>Xanthidium</i>	79	0	35	17	17	22	14	4	0	0
TOTAL	2757	2254	2555	1342	2721	1200	2722	785	624	859
CYANOPHYCEAE										
<i>Anabaena</i>	90	39	308	225	286	126	648	61	87	19
<i>Chroococcus</i>	339	0	7	0	0	26	0	4	0	8
<i>Microcystis</i>	23	0	0	0	0	4	0	0	0	0
<i>Mriempedia</i>	11	0	0	0	0	0	0	0	0	0
<i>Oscillatoria</i>	1650	1560	1190	800	104	225	1008	212	126	142
TOTAL	2113	1599	1505	1025	390	381	1656	277	212	169
DINOPHYCEAE										
<i>Peridinium</i>	34	98	63	33	52	35	0	4	43	88
TOTAL	34	98	63	33	52	35	0	4	43	88
ZYGNEMATOPHYCEAE										
<i>Closterium</i>	249	312	67	129	95	87	259	43	30	107
<i>Closteriopsis</i>	0	0	0	0	9	0	0	0	0	0
<i>Cosmarium</i>	497	254	553	233	225	74	216	90	30	50
<i>Euastrum</i>	0	0	0	0	0	0	0	0	4	31
<i>Mougeotia</i>	2317	3354	3248	5917	3423	1790	8107	1141	719	874
<i>Spirogyra</i>	11	0	0	0	26	9	58	0	0	4
<i>Spondylosium</i>	203	98	112	67	156	104	317	86	22	38
<i>Staurastrum</i>	475	332	406	408	633	381	576	97	35	92
TOTAL	3752	4349	4386	6754	4567	2444	9533	1458	841	1196
EUGLENOPHYCEAE										
<i>Euglena</i>	0	0	0	0	0	0	0	0	0	4
<i>Strombomonas</i>	0	0	0	8	0	0	0	0	0	0
TOTAL	0	0	0	8	0	0	0	0	0	4
TOTAL GERAL	11616	22207	9552	10163	9473	4858	18086	3035	2409	2933

Densidade de Fitoplâncton (org/L) nos diferentes pontos de coleta nos tributários e lagoas marginais, durante o período de seca.

Seca nº org/L	Tributários			
	TR 20	TR 50	TR 65	TR 70
BACILLARIOPHYCEAE				
<i>Fragillaria</i>	17	62	27	133
<i>Frustulia</i>	0	0	4	16
<i>Amphipleura</i>	0	0	15	0
<i>Amphora</i>	0	0	8	0
<i>Anomooneis</i>	0	0	0	16
<i>Aulacoseira</i>	4355	31	4	0
<i>Brachysira</i>	0	0	0	8
<i>Calloneis</i>	0	0	4	8
<i>Cocconeis</i>	0	0	4	0
<i>Diatoma</i>	71	0	0	0
<i>Encyonema</i>	0	0	65	16
<i>Gyrosigma</i>	31	108	125	8
<i>Gomphonema</i>	0	0	27	12
<i>Lemnicola</i>	0	0	8	4
<i>Navicula</i>	306	990	114	61
<i>Nitzschia</i>	0	0	8	24
<i>Sellaphora</i>	0	0	11	4
<i>Synedra</i>	0	0	4	73
<i>Stauroneis</i>	0	0	34	36
<i>Surirella</i>	133	46	80	137
<i>Pinnularia</i>	347	634	68	28
<i>Placoneis</i>	0	0	42	4
<i>Planothidium</i>	0	0	4	4
TOTAL	5260	1871	654	593
CHLOROPHYCEAE				
<i>Ankistrodesmus</i>	173	0	0	0
<i>Chlorococcum</i>	173	0	0	0
<i>Coelastrum</i>	2968	0	4	0
<i>Dictyosphaerium</i>	326	0	8	0
<i>Desmidiium</i>	0	0	0	4
<i>Echinosphaeridium</i>	0	0	4	0
<i>Pandorina</i>	0	0	34	0
<i>Eudorina</i>	61	0	0	0
<i>Gloeocystis</i>	245	0	0	0
<i>Kirchneriella</i>	10	0	0	0
<i>Oedogonium</i>	10	0	8	8
<i>Oocystis</i>	0	0	4	0
<i>Pediastrum</i>	41	0	38	0
<i>Scenedesmus</i>	316	0	46	4
<i>Xanthidium</i>	0	0	0	4
TOTAL	4325	0	144	20
CYANOPHYCEAE				
<i>Anabaena</i>	31	0	49	4
<i>Chroococcus</i>	0	0	15	0
<i>Mriamopedia</i>	10	15	0	0
<i>Oscillatoria</i>	82	116	57	20
TOTAL	122	131	122	24
DINOPHYCEAE				
<i>Peridinium</i>	255	46	410	0
TOTAL	255	46	410	0
ZYGNEMATOPHYCEAE				
<i>Closterium</i>	10	124	42	65
<i>Cosmarium</i>	143	31	46	69
<i>Euastrum</i>	10	0	15	0
<i>Gonatozygon</i>	0	0	4	4
<i>Hyalotheca</i>	0	0	23	8
<i>Mougeotia</i>	0	0	4	0
<i>Pleurotaenium</i>	0	0	0	4
<i>Spirogyra</i>	0	0	0	8
<i>Staurastrum</i>	153	0	11	61
TOTAL	316	155	145	218
EUGLENOPHYCEAE				
<i>Euglena</i>	0	31	4	4
<i>Phacus</i>	0	0	0	4
<i>Strombomonas</i>	0	46	0	0
TOTAL	0	77	4	8
CRYSOPHYCEAE				
<i>Mallomonas</i>	0	0	4	0
<i>Synura</i>	0	0	0	24
TOTAL	0	0	4	24
TOTAL GERAL	10278	2281	1482	887

Seca nº org/L	Lagoas Marginais			
	LR 10 M	LR 20 C	LR 20 M	LR 30 M
BACILLARIOPHYCEAE				
<i>Fragillaria</i>	157	0	0	40
<i>Aulacoseira</i>	393	221	320	67
<i>Diatoma</i>	9086	0	0	0
<i>Eucampia</i>	0	0	0	13
<i>Eunotia</i>	197	0	0	13
<i>Navicula</i>	787	0	0	560
<i>Surirella</i>	79	0	0	0
<i>Pinnularia</i>	3225	0	0	1027
TOTAL	13924	221	320	1720
CHLOROPHYCEAE				
<i>Ankistrodesmus</i>	0	0	40	0
<i>Chlorococcum</i>	0	85	0	0
<i>Coelastrum</i>	157	0	0	0
<i>Crucigenia</i>	275	0	0	0
<i>Eudorina</i>	157	0	0	0
<i>Gloeocystis</i>	79	0	120	0
<i>Oedogonium</i>	79	0	0	0
<i>Pediastrum</i>	39	0	0	0
<i>Scenedesmus</i>	0	0	0	27
<i>Selenastrum</i>	0	0	13	0
<i>Tetraedron</i>	39	0	13	0
<i>Xanthidium</i>	0	0	13	13
TOTAL	826	85	200	40
CYANOPHYCEAE				
<i>Anabaena</i>	0	34	0	893
<i>Oscillatoria</i>	1455	17	40	200
<i>Spirulina</i>	39	0	0	13
TOTAL	1495	51	40	1107
DINOPHYCEAE				
<i>Peridinium</i>	0	585	697	733
TOTAL	0	585	697	733
ZYGNEMATOPHYCEAE				
<i>Closterium</i>	629	51	13	267
<i>Cosmarium</i>	0	221	187	53
<i>Euastrum</i>	0	0	13	13
<i>Gonatozygon</i>	0	0	0	40
<i>Mougeotia</i>	39	12580	13813	93
<i>Spirogyra</i>	79	0	0	0
<i>Spondylosium</i>	0	0	0	13
<i>Staurastrum</i>	0	629	4200	13
TOTAL	747	13481	18227	493
EUGLENOPHYCEAE				
<i>Euglena</i>	79	0	0	120
<i>Phacus</i>	39	0	0	13
TOTAL	118	0	0	133
TOTAL GERAL	17110	14423	19483	4227

