



14. APÊNDICE 40



Lista de táxons de macroinvertebrados bentônicos registrados ao longo do rio Araguaia (AR), tributários (TR) e lagoas marginais, considerando a densidade total (ind.m⁻²) e riqueza de táxons na época da enchente.

PONTOS AMOSTRADOS / ÉPOCA: ENCHENTE												
Densidade (ind.m ⁻²)												
TAXA	AR10M	AR20M	AR30M	AR40M	AR50M	TR20	TR50	TR65	TR70	LR10	LR20	LR30
Coleoptera												
Elmidae	0	0	0	0	0	0	0	0	1	1	0	0
Haliplidae	0	0	0	0	0	0	0	0	0	11	0	0
Hydrophilidae	0	0	0	0	0	0	0	0	0	1	0	0
Diptera												
Ceratopogonidae	3	1	0	0	1	0	0	1	0	0	0	0
Chironomidae	11	198	0	0	16	6	3	81	24	147	17	37
Pupa Diptera	0	1	0	0	0	0	0	0	0	6	0	1
Odonata												
Coenagrionidae	0	0	0	0	0	0	0	0	0	1	0	0
Libellulidae	1	0	0	0	0	0	0	0	0	14	0	1
Ephemeroptera												
Baetidae	0	0	0	0	0	0	0	0	0	14	0	0
Hemiptera												
Gerridae	0	0	0	0	0	0	0	1	0	0	0	0
Naucoridae	0	0	0	0	0	0	0	0	0	10	0	0
Notonectidae	0	0	0	0	0	0	0	0	0	10	0	0
Pleidae	0	0	0	0	0	0	0	0	0	1	0	0
Trichoptera	0	0	0	0	0	0	0	1	1	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	4	0	0
Mollusca												
Gastropoda Neritidae	0	0	0	0	0	0	0	1	0	1	0	0
Annelida												
Hirudinae	0	1	0	0	0	0	0	0	0	0	0	0
Oligochaeta	27	178	1	21	43	3	48	198	7	0	6	20
Nematoda	1	41	0	0	0	0	0	0	0	0	3	0
Densidade total	44	422	1	21	60	9	51	285	34	224	26	60
Riqueza total	5	6	1	1	3	2	2	6	4	13	3	4

Legenda:M: Margem

Lista de táxons de macroinvertebrados bentônicos registrados ao longo do rio Araguaia (AR), tributários (TR) e lagoas marginais, considerando a densidade total (ind.m⁻²) e riqueza de táxons na época da cheia.

PONTOS AMOSTRADOS/ ÉPOCA: CHEIA												
Densidade (ind.m ⁻²)												
TAXA	AR10M	AR20M	AR30M	AR40M	AR50M	TR20	TR50	TR65	TR70	LR10	LR20	LR30
Coleoptera												
Elmidae	57	0	0	0	0	0	0	71	14	0	0	0
Ptilodactylidae	0	0	0	0	0	0	0	0	0	0	0	28
Psephenidae	0	0	0	0	0	0	0	28	0	0	0	0
Diptera												
Ceratopogonidae	0	28	0	14	128	0	0	0	0	0	57	14
Chironomidae	442	769	142	57	285	0	0	256	14	0	570	684
Pupa Diptera	0	0	14	0	14	0	0	0	0	0	0	0
Tipulidae	0	0	0	0	0	0	0	0	0	0	0	57
Psychodidae	0	0	0	0	0	0	0	0	0	14	0	0
Odonata												
Gomphidae	28	0	0	0	0	0	0	14	0	0	0	0
Libellulidae	0	0	0	0	0	0	0	43	0	0	0	71
Ephemeroptera												
Baetidae	0	0	0	0	14	0	0	128	0	0	0	0
Leptophlebiidae	28	0	0	0	0	0	0	0	0	0	0	0
Oligoneuridae	0	0	0	0	14	0	0	0	0	0	0	0
Polymitarcyidae	14	0	0	0	0	0	0	0	0	0	0	0
Trichoptera												
Glossomatidae	0	0	0	0	0	0	0	14	0	0	0	0
Polycentropodidae	14	0	0	0	0	0	0	14	0	0	0	0
Mollusca												
Bivalvia	57	0	0	0	0	0	0	0	0	0	0	0
Annelida												
Hirudinae	28	0	0	0	43	0	0	0	0	0	0	0
Oligochaeta	670	484	541	242	1695	0	0	57	28	1752	726	1667
Nematoda	0	100	57	100	28	0	0	0	0	43	43	0
Densidade total	1339	1382	755	413	2221	0	0	627	57	1809	1396	2521
Riqueza total	9	4	4	4	8	0	0	9	3	3	4	6

Legenda:M: Margem

Lista de táxons de macroinvertebrados bentônicos registrados ao longo do rio Araguaia (AR), tributários (TR) e lagoas marginais, considerando a densidade total (ind.m⁻²) e riqueza de táxons na época da vazante.

PONTOS AMOSTRADOS / ÉPOCA: VAZANTE												
Densidade (Ind.m ⁻²)												
TAXA	AR10M	AR20M	AR30M	AR40M	AR50M	TR20	TR50	TR65	TR70	LR10	LR20	LR30
Coleoptera												
Limnichidae	0	0	0	0	0	3	0	0	0	3	0	1
Hydrophilidae	0	0	0	0	0	0	0	0	0	0	0	3
Noteridae	0	0	0	0	0	0	0	0	0	7	0	1
Elmidae	0	0	0	0	0	0	0	0	28	0	0	0
Diptera												
Tabanidae	0	0	0	0	0	0	0	3	1	4	0	0
Culicidae	0	0	0	0	0	0	0	0	0	0	0	9
Ceratopogonidae	0	7	0	1	0	1	0	14	6	7	1	26
Empididae	0	0	0	0	0	0	0	0	1	0	0	0
Chironomidae	1	50	7	13	16	0	3	299	228	0	3	375
Tipulidae	1	1	0	0	0	0	0	1	9	9	0	1
Odonata												
Gomphidae	1	0	0	0	0	0	1	0	4	14	0	0
Libellulidae	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera												
Baetidae	0	0	0	0	0	0	0	0	23	0	0	0
Leptophlebiidae	0	0	0	0	0	0	1	0	4	16	0	0
Ephemerellidae	0	0	0	0	0	0	0	0	1	0	0	0
Trichoptera												
Helicopsychidae	0	0	0	0	0	0	0	0	3	7	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	1	0	0	0
Polycentropodidae	0	0	0	1	0	0	1	0	0	4	0	0
Mollusca												
Gastropoda Neritidae	1	0	0	0	0	1	0	0	0	0	0	0
Bivalvia	0	0	0	0	3	0	0	0	0	3	0	0
Annelida												
Hirudinae	0	0	0	0	0	0	17	0	1	31	0	0
Oligochaeta	4	170	14	3	20	11	26	433	0	50	61	930
Nematoda	1	1	0	1	1	0	0	0	1	0	1	0
Ostracoda	0	0	0	0	0	0	0	0	0	0	0	7
Densidade total	11	229	21	20	40	17	49	751	313	155	67	1353
Riqueza total	6	5	2	5	4	4	6	5	15	12	4	10

Legenda: M: Margem

Lista de táxons de macroinvertebrados bentônicos registrados ao longo do rio Araguaia (AR), tributários (TR) e lagoas marginais, considerando a densidade total (ind.m⁻²) e riqueza de táxons na época da seca.

PONTOS AMOSTRADOS / ÉPOCA: SECA												
Densidade (ind.m ⁻²)												
Taxa	AR10M	AR20M	AR30M	AR40M	AR50M	TR20	TR50	TR65	TR70	LR10	LR20	LR30
Coleoptera												
Dytiscidae	0	0	0	0	0	0	4	0	0	0	0	0
Hydrophilidae	0	0	0	0	0	0	0	1	0	0	0	0
Lampyridae	0	0	0	0	0	0	3	0	4	0	0	0
Chelonariidae	0	0	0	0	0	1	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	4	138	0	3	1
Noteridae	0	0	0	0	0	0	0	0	0	0	3	0
Limnichidae	0	0	0	0	0	0	0	0	0	0	1	0
Hemiptera												
Naucoridae	0	0	0	0	0	0	3	0	0	0	0	0
Diptera												
Culicidae	0	0	0	0	0	0	0	0	0	0	0	11
Ceratopogonidae	0	4	0	14	0	34		14	1	7	0	33
Chironomidae	13	10	4	19	283	16	71	95	191	1	462	98
Odonata												
Gomphidae	0	1	1	0	0	0	4	11	3	0	0	0
Libellulidae	0	0	0	1	0	0	3	3	9	0	17	16
Ephemeroptera												
Leptophlebiidae	0	0	0	0	0	0	0	0	7	0	0	0
Leptohyphidae	0	0	0	0	0	0	4	0	1	0	3	0
Baetidae	0	0	0	0	0	0	0	0	0	0	4	0
Ephemerellidae	0	0	0	0	0	0	4	0	0	0	0	0
Trichoptera												
Xiphocentronidae	0	0	0	0	0	0	0	0	1	0	0	0
Glossomatidae	0	0	0	0	0	0	0	0	1	0	0	0
Polycentropodidae	0	0	0	0	0	0	1	0	3	0	3	0
Mollusca												
Planorbidae	0	0	0	0	0	0	0	1	0	0	0	0
Ampullariidae	0	0	0	0	0	0	0	3	0	1	0	0
Bivalvia	1	1	0	0	9	0	0	0	0	0	3	0
Corbiculidae	0	1	0	1	0	0	0	0	0	0	0	0
Annelida												
Hirudinae	0	3	3	0	0	0	0	0	0	0	0	0
Oligochaeta	238	342	94	380	1	178	21	110	4	37	48	83
Nematoda												
Nematoda	0	9	0	46	0	0	0	0	0	0	0	0
Decapoda												
Palaemonidae	0	0	0	0	0	0	9	0	0	0	0	0
Densidade total	252	372	103	462	293	229	128	244	365	47	547	242
Riqueza total	3	8	4	6	3	4	11	9	12	4	10	6

Legenda:M: Margem

Frequência de ocorrência (%) dos macroinvertebrados bentônicos no rio Araguaia, tributários e lagoas marginais nos quatro períodos de estudo.

Frequência relativa (%)					
TAXA	Enchente	Cheia	Vazante	Seca	Fr (%)
Coleoptera					
Elmidae	+	+	+	+	100
Haliplidae	+				25
Hydrophilidae	+		+		50
Ptilodactylidae		+			25
Psephenidae		+			25
Limnichidae			+	+	50
Noteridae			+	+	50
Dytiscidae				+	25
Lampyridae				+	25
Chelonariidae				+	25
Diptera					
Ceratopogonidae	+	+	+	+	100
Chironomidae	+	+	+	+	100
Pupa Diptera	+	+			50
Tipulidae		+	+		50
Psychodidae		+			25
Tabanidae			+		25
Culicidae			+	+	50
Empididae			+		25
Odonata					
Coenagrionidae	+				25
Libellulidae	+	+		+	75
Gomphidae		+	+	+	75
Ephemeroptera					
Baetidae	+	+	+	+	100
Leptophlebiidae		+	+	+	75
Oligoneuridae		+			25
Polymitarcyidae		+			25
Leptohyphidae				+	25
Ephemerellidae			+	+	25
Hemiptera					
Gerridae	+				25
Naucoridae	+			+	50
Notonectidae	+				25
Pleidae	+				25
Trichoptera					
Leptoceridae	+				25
Glossomatidae		+		+	50
Polycentropodidae		+	+	+	75
Helicopsychidae			+		25
Hydroptilidae			+		25
Xiphocentronidae				+	25
Mollusca					
Gastropoda Neritidae	+		+		50
Bivalvia		+	+	+	75
Planorbidae				+	25
Ampullariidae				+	25
Corbiculidae				+	25
Annelida					
Hirudinae	+	+	+	+	100
Oligochaeta	+	+	+	+	100
Nematoda					
Ostracoda			+		25
Decapoda					
Palaemonidae				+	25