

**S1.** Absolute number of fish specimens collected in two clear-water streams, Charcote and Charcotico, in the Central Llanos of Venezuela during four survey months. Values between parentheses are the number of specimens dissected for gut contents analysis. January (Jan) was the low-water period, September (Sep) was near the peak of the annual flood pulse, and during November (Nov) and December (Dec) floodwaters were gradually receding.

Family	Species	Charcote				Charcotico			
		Sep	Nov	Dec	Jan	Sep	Nov	Dec	Jan
Sternopygidae	<i>Eigenmannia virescens</i>	0	0	0	0	1 (1)	1 (1)	0	0
Hypopomidae	<i>Microsternarchus bilineatus</i>	0	0	0	0	0	0	13 (13)	0
Hypopomidae	<i>Brachyhypopomus occidentalis</i>	1 (1)	15 (15)	3 (3)	34 (34)	1 (1)	9 (7)	26 (26)	6 (6)
Erythrinidae	<i>Hoplias malabaricus</i>	13 (13)	16 (16)	6 (6)	26 (26)	13 (13)	10 (10)	11 (11)	18 (18)
Erythrinidae	<i>Hoplias</i> sp.	5 (5)	0	0	0	1 (1)	0	0	0
Erythrinidae	<i>Hoplerythrinus unitaeniatus</i>	1 (1)	0	7 (7)	25 (25)	1 (1)	0	0	82 (82)
Characidae	<i>Gymnocorymbus thayeri</i>	1 (1)	0	0	0	0	1(1)	0	0
Characidae	<i>Hemigrammus rodwayi</i>	0	4 (4)	0	0	0	1 (1)	0	0
Characidae	<i>Hemigrammus analis</i>	216 (30)	1261 (30)	1046 (30)	264 (30)	685 (30)	359 (30)	9 (9)	0
Characidae	<i>Hemigrammus barrigonae</i>	80 (30)	682 (30)	188 (30)	102 (32)	209 (30)	201 (30)	89 (30)	1 (1)
Characidae	<i>Hemigrammus bellottii</i>	30 (30)	57 (30)	602 (30)	0	24 (24)	33 (30)	293 (30)	0
Characidae	<i>Hemigrammus micropterus</i>	130 (30)	452 (30)	400 (30)	7 (7)	58 (30)	203 (30)	692 (30)	201 (30)
Characidae	<i>Hemigrammus microstomus</i>	380 (30)	594 (30)	517 (30)	80 (30)	183 (30)	1004 (30)	435 (30)	0
Characidae	<i>Hemigrammus rhodostomus</i>	43 (13)	4 (4)	67 (30)	0	30 (30)	62 (30)	0	0
Characidae	<i>Hemigrammus stictus</i>	120 (6)	33 (30)	44 (30)	21 (21)	103 (30)	199 (30)	94 (30)	1 (1)
Characidae	<i>Hemigrammus vorderwinkleri</i>	2 (2)	0	37 (30)	27 (27)	0	66 (30)	1 (1)	388 (30)
Characidae	<i>Hemigrammus</i> sp1.	1 (1)	1 (1)	0	0	0	32 (30)	0	0
Characidae	<i>Hemigrammus</i> sp2.	0	0	25 (25)	0	0	0	60 (30)	0
Characidae	<i>Hemigrammus</i> sp3.	1 (1)	0	0	0	0	0	0	0
Characidae	<i>Moenkhausia lepidura</i>	0	0	0	0	10 (10)	14 (14)	2 (2)	5 (5)
Characidae	<i>Moenkhausia copei</i>	43 (26)	119 (30)	65 (30)	8 (8)	168 (30)	41 (30)	11 (11)	0
Characidae	<i>Parapristella georgiae</i>	60 (30)	201 (30)	288 (30)	73 (30)	28 (24)	32 (30)	56 (30)	5 (5)

Family	Species	Charcote				Charcotico			
		Sep	Nov	Dec	Jan	Sep	Nov	Dec	Jan
Characidae	<i>Hyphessobrycon bentosi</i>	1 (1)	1 (1)	0	0	0	1 (1)	0	0
Characidae	<i>Hyphessobrycon metae</i>	4 (4)	16 (16)	20 (20)	0	16 (16)	0	0	0
Characidae	<i>Hyphessobrycon sweglesi</i>	0	0	9 (9)	3 (3)	0	0	18 (18)	0
Characidae	<i>Serrabrycon magoi</i>	30	52 (30)	40 (30)	0	75 (30)	32 (30)	0	0
Characidae	<i>Charax condei</i>	1 (1)	5 (5)	8 (8)	4 (4)	17 (17)	416 (30)	100 (30)	3 (3)
Characidae	<i>Astyanax bimaculatus</i>	3 (3)	4 (4)	0	0	0	0	0	0
Iguanodectidae	<i>Bryconops caudomaculatus</i>	0	0	0	0	0	4 (4)	0	0
Iguanodectidae	<i>Bryconops giacopinii</i>	0	2(2)	1 (1)	0	29(29)	21(21)	37 (30)	61 (30)
Iguanodectidae	<i>Bryconops</i> sp.	0	0	0	0	0	0	18 (18)	0
Iguanodectidae	<i>Iguanodectes spilurus</i>	0	0	0	0	20 (20)	4 (4)	2 (2)	1 (1)
Crenuchidae	<i>Characidium steindachneri</i>	0	0	0	0	1 (1)	0	0	0
Crenuchidae	<i>Characidium</i> sp.	0	3 (3)	26 (26)	3 (3)	21 (21)	16 (15)	0	0
Curimatidae	<i>Cyphocharax spilurus</i>	378 (30)	68 (30)	34 (30)	0	30 (30)	89 (27)	57 (30)	24 (24)
Curimatidae	<i>Curimatopsis evelynae</i>	30 (15)	25 (25)	53 (30)	0	19 (19)	30 (30)	139 (30)	0
Anostomidae	<i>Leporinus</i> sp.	0	2 (2)	0	2 (2)	0	0	0	1 (1)
Serrasalmidae	<i>Metynnis hypsauchen</i>	20 (8)	0	14 (14)	34 (34)	13 (13)	0	4 (4)	171 (166)
Serrasalmidae	<i>Myloplus rubripinnis</i>	0	16 (16)	0	0	0	8 (8)	0	0
Serrasalmidae	<i>Pristobrycon striolatus</i>	0	0	0	0	4 (4)	1	1 (1)	7 (7)
Serrasalmidae	<i>Pygopristis denticulata</i>	7 (7)	8	5 (5)	2 (1)	0	9 (9)	16 (16)	41 (41)
Serrasalmidae	<i>Serrasalmus</i> sp.	0	0	0	0	0	1 (1)	0	0
Serrasalmidae	<i>Catoprion mento</i>	0	0	0	0	0	14 (12)	7 (7)	5 (5)
Acestrorhynchidae	<i>Acestrorhynchus heterolepis</i>	7 (7)	2 (2)	1 (1)	1 (1)	0	1 (1)	1 (1)	3 (3)
Acestrorhynchidae	<i>Acestrorhynchus microlepis</i>	0	0	0	0	6 (5)	3 (3)	0	0
Acestrorhynchidae	<i>Acestrorhynchus minimus</i>	0	11 (11)	2 (2)	0	23 (19)	3 (3)	0	0
Acestrorhynchidae	<i>Heterocharax macrolepis</i>	0	37 (30)	15 (15)	0	0	8 (8)	105 (30)	40 (30)

Family	Species	Charcote				Charcotico				Total
		Sep	Nov	Dec	Jan	Sep	Nov	Dec	Jan	
Acestrorhynchidae	<i>Gnathocharax steindachneri</i>	1 (1)	0	0	7 (7)	0	3 (3)	0	34 (30)	
Auchenipteridae	<i>Trachelyopterus galeatus</i>	0	0	1 (1)	5	0	0	0	0	
Auchenipteridae	<i>Tetranematichthys quadrifilis</i>	0	0	0	0	0	0	0	1 (1)	
Doradidae	Doradidae sp.	0	5 (5)	15 (15)	2 (2)	0	0	7 (7)	0	
Heptapteridae	<i>Pimelodella</i> sp.	4 (4)	6 (6)	2 (2)	0	0	0	0	0	
Heptapteridae	<i>Rhamdia</i> sp.	0	0	3 (3)	1 (1)	0	0	1 (1)	32 (32)	
Loricariidae	<i>Rineloricaria</i> sp.	0	1 (1)	1 (1)	0	0	0	0	0	
Cichlidae	<i>Acaronia vultuosa</i>	0	0	1 (1)	0	0	2 (2)	2 (2)	4 (4)	
Cichlidae	<i>Aequidens diadema</i>	1 (1)	2 (2)	6 (6)	17 (11)	0	0	6	71 (6)	
Cichlidae	<i>Apistogramma</i> sp.	0	0	0	0	0	6 (6)	0	12 (12)	
Cichlidae	<i>Cichla orinocensis</i>	2 (2)	0	8 (4)	16 (16)	2 (2)	1	0	7 (7)	
Cichlidae	<i>Crenicichla</i> sp.	4 (4)	0	6 (6)	15 (15)	0	0	0	0	
Cichlidae	<i>Heros severus</i>	1 (1)	0	0	1 (1)	0	0	0	1 (1)	
Cichlidae	<i>Hoplarchus psittacus</i>	0	0	0	0	1 (1)	0	0	0	
Cichlidae	<i>Mikrogeophagus ramirezi</i>	152 (30)	333 (30)	144 (30)	122 (30)	66 (30)	478 (30)	612 (30)	99 (30)	
Cichlidae	<i>Satanoperca daemon</i>	5 (5)	1 (1)	4 (4)	29 (29)	4 (4)	1 (1)	0	5 (5)	
Cichlidae	<i>Satanoperca jurupari</i>	0	0	0	5 (5)	0	0	0	2 (2)	
Lebiasinidae	<i>Copella metae</i>	0	0	1 (1)	32 (30)	0	0	7 (7)	0	
Lebiasinidae	<i>Pyrrhulina lugubris</i>	47 (5)	120 (30)	30 (30)	92 (30)	21	0	22 (22)	77 (30)	
Cynolebiidae	<i>Rachovia maculipinnis</i>	0	0	0	0	0	0	0	1 (1)	
	<b>Total</b>	<b>1825 (409)</b>	<b>4159 (540)</b>	<b>3745 (636)</b>	<b>1060 (500)</b>	<b>1883 (567)</b>	<b>3420 (615)</b>	<b>2954 (575)</b>	<b>1409 (649)</b>	<b>20455 (4491)</b>