

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

1.3 Own well in dwelling

		1.3.1 Construction cost	1.3.2 Depth	
Code	Name of Municipality	(x) monthly income	Shallow	Deep
01-01-0450	Nossa Senhora da Gloria	(1) 4.0	2	
01-01-0540	Poco Redondo	(3) 1.8		3
01-01-0560	Porto da Folha	—	—	—
01-02-0140	Carira	(2) 10.0	2	
02-03-0020	Aquidaba	—	—	—
02-03-0460	Nossa Senhora das dores	(2) 1.8		2
02-04-0290	Itabaiana	(1) 2.0		1
02-05-0740	Tobias Barreto	(1) 7.0	1	
02-06-0350	Lagarto	(1) 0.8	1	
03-08-0130	Capela	n/a	1	2
03-12-0067	Boquim	(2) 12.5		2
03-12-0300	Itabaininha	—	—	—
03-13-0320	Itapora d'Ajuda	(8) 1.6	2	6
01	Sertao Sergipano	4.9	57	43
02	Agrete Sergipano	2.7	40	60
03	Leste Sergipano	3.8	23	77
	Total	3.9 (average)	36	64 (% average)

1.4 Future implementation of water project

1.4.1 Inhabitant's opinion on new water project

Code	Name of Municipality	For	Against
01-01-0450	Nossa Senhora da Gloria	11	
01-01-0540	Poco Redondo	12	
01-01-0560	Porto da Folha	2	
01-02-0140	Carira	18	
02-03-0020	Aquidaba	2	
02-03-0460	Nossa Senhora das dores	7	1
02-04-0290	Itabaiana	9	
02-05-0740	Tobias Barreto	12	
02-06-0350	Lagarto	1	1
03-08-0130	Capela	11	2
03-12-0067	Boquim	2	2
03-12-0300	Itabaininha	6	
03-13-0320	Itapora d'Ajuda	14	2
01	Sertao Sergipano	100	0
02	Agrete Sergipano	84	6
03	Leste Sergipano	85	15
	Total (% average)	93	7

1.4.1.1 If against, Why?

Increase of expenses	Presently satisfied	Others
	1	
	1	
	2	
	2	
	2	

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

1.4.1.2 Desirable system 1.4.2 Expectation from project

Code	Name of Municipality	Private Taps	Public Taps	Quality improvement	Stable supply	Labor hour cut	Others
01-01-0450	Nossa Senhora da Gloria	11		2	9		
01-01-0540	Poco Redondo	11	1	1	10	1	
01-01-0560	Porto da Folha	2			2		
01-02-0140	Carira	18		4	14		
02-03-0020	Aquidaba	2			1		
02-03-0460	Nossa Senhora das dores	7		1	6		1
02-04-0290	Itabaiana	7	2	3	4	2	
02-05-0740	Tobias Barreto	11	1	12			
02-06-0350	Lagarto	1			1		
03-08-0130	Capela	11		1	7	2	
03-12-0067	Boquim	2			2		
03-12-0300	Itabaininha	6		2	6	2	
03-13-0320	Itapora d'Ajuda	14		5	3	4	2
01	Sertao Sergipano	98	2	16	81	3	0
02	Agreste Sergipano	90	10	52	39	6	3
03	Leste Sergipano	100	0	22	50	22	6
	Total (%, average)	96	4	28	59	10	3

1.4.3 Willingness to pay water charge

Code	Name of Municipality	Yes	No
01-01-0450	Nossa Senhora da Gloria	11	
01-01-0540	Poco Redondo	12	
01-01-0560	Porto da Folha	2	
01-02-0140	Carira	18	
02-03-0020	Aquidaba	2	
02-03-0460	Nossa Senhora das dores	7	
02-04-0290	Itabaiana	7	2
02-05-0740	Tobias Barreto	11	1
02-06-0350	Lagarto		2
03-08-0130	Capela	11	
03-12-0067	Boquim	2	
03-12-0300	Itabaininha	6	
03-13-0320	Itapora d'Ajuda	14	
01	Sertao Sergipano	100	
02	Agreste Sergipano	84	16
03	Leste Sergipano	100	
	Total (%, average)	95	5

1.4.3.1 How much if yes?

(R\$/month)
7.1
(11)5.5 () answers
5.2
7.0
6.5
6.3
7.3
5.2
4.6
4.0
5.7
7.5
6.5
6.1
6.0
6.3 (average)

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

1.4.4 Willingness of contribution to implementation of new water project

Code	Name of Municipality	Yes	No	If yes, how much?						
				Charges (R\$/house)	Labor offering		Who?			
					< 1 week	> 1 week	House head	Spouse	Children	Mixed
01-01-0450	Nossa Senhora da Gloria	10	1	(1) 8	3	6	3			6
01-01-0540	Poco Redondo	11			7	5	7		1	4
01-01-0560	Porto da Folha	2			2					
01-02-0140	Carira	18		(1) 10	6	11	6		5	6
02-03-0020	Aquidaba	2			1	1			1	
02-03-0460	Nossa Senhora das dores	6		(1) 50	3	3	3		1	2
02-04-0290	Itabaiana	8	1	(1) 10	2	5	2		2	3
02-05-0740	Tobias Barreto	9	3		2	7	1		5	3
02-06-0350	Lagarto	1	1		1				1	
03-08-0130	Capela	9	1	(2) 7.5	3	5	2			5
03-12-0067	Boquim	1	1			1			1	
03-12-0300	Itabaininha	6		(1) 5	4	1	3		1	1
03-13-0320	Itapora d'Ajuda	11	3	(1) 10	1	4	3		3	4
01	Sertao Sergipano	98	2		45	55	42		16	42
02	Agreste Sergipano	84	16		41	59	25		42	33
03	Leste Sergipano	84	16		42	58	35		22	43
	Total (%, average)	89	11		43	57	35		25	40

() number of answers

2. Inhabitants with water projects

2.1 Years of project since implementation

Code	Name of Municipality	Years
01-01-0450	Nossa Senhora da Gloria	4.3
01-01-0540	Poco Redondo	12.3
01-01-0560	Porto da Folha	8.8
01-02-0140	Carira	10.0
02-03-0020	Aquidaba	9.1
02-03-0460	Nossa Senhora das dores	6.0
02-04-0290	Itabaiana	12.2
02-05-0740	Tobias Barreto	3.6
02-06-0350	Lagarto	16.3
03-08-0130	Capela	11.0
03-12-0067	Boquim	9.6
03-12-0300	Itabaininha	6.0
03-13-0320	Itapora d'Ajuda	12.5
01	Sertao Sergipano	8.5
02	Agreste Sergipano	9.9
03	Leste Sergipano	8.9
	Total (average)	9.3

2.2 Kinds of supply system

Private Taps	Public Taps
7	2
7	1
18	0
2	0
18	0
10	2
2	9
4	4
2	12
7	0
6	10
4	10
4	0
94	6
57	43
51	49
35	65

(%, average)

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

2.3 Contribution to construction of water supply project

2.3.1 Any contribution

2.3.2 How much if yes?

Code	Name of Municipality	Yes	No	Charge (R\$/house)	Labor offering		Who?		
					< 1 week	> 1 week	Household head	Children	Mixed
01-01-0450	Nossa Senhora da Gloria	7	2	(7) 173	2	1	1		2
01-01-0540	Poco Redondo	1	7	(1) 20					
01-01-0560	Porto da Folha	8	8	(9) 143					
01-02-0140	Carira	2	0	(1) 114	1				1
02-03-0020	Aquidaba	3	15	(3) 88					
02-03-0460	Nossa Senhora das dores	7	5	(6) 19	1				
02-04-0290	Itabaiana	3	8	n/a	2		2		
02-05-0740	Tobias Barreto	0	8	—					
02-06-0350	Lagarto	0	14	—					
03-08-0130	Capela	2	5	(1) 50	1		1		
03-12-0067	Boquim	2	14	(2) 48					
03-12-0300	Itabaininha	5	9	(4) 60	1			1	
03-13-0320	Itapora d'Ajuda	3	1	(3) 100					
01	Sertao Sergipano	51	49	146					
02	Agreste Sergipano	21	79	42					
03	Leste Sergipano	29	71	69					
	Total (average)	31	69	100					

2.4 Any contribution to maintenance

Code	Name of Municipality	Yes	No	If yes, how much (R\$/house)
01-01-0450	Nossa Senhora da Gloria		9	
01-01-0540	Poco Redondo	1	5	1.0
01-01-0560	Porto da Folha	2	14	10.0
01-02-0140	Carira		2	
02-03-0020	Aquidaba	18		
02-03-0460	Nossa Senhora das dores	12		
02-04-0290	Itabaiana	10	1	
02-05-0740	Tobias Barreto	4	4	1.5
02-06-0350	Lagarto		14	
03-08-0130	Capela	2	5	5.0
03-12-0067	Boquim	16		
03-12-0300	Itabaininha	14		
03-13-0320	Itapora d'Ajuda	2	2	7.5
01	Sertao Sergipano	9	91	
02	Agreste Sergipano	70	30	
03	Leste Sergipano	83	7	
	Total (% , average)	59	41	

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

2.5 Water supply hours per day (hours/day)

2.5.1 Satisfaction with current supply hours

Code	Name of Municipality	Piped in dwelling	Public taps	Yes	No	If no, what is required?
						Time extension
01-01-0450	Nossa Senhora da Glória	24.0	24.0	9		
01-01-0540	Poco Redondo	24.0	18.0	8		
01-01-0560	Porto da Folha	21.9	—	13	1	1
01-02-0140	Carira	24.0	—	2		
02-03-0020	Aquidaba	15.3	—	13	4	4
02-03-0460	Nossa Senhora das dores	16.8	2.0	5	6	2
02-04-0290	Itabaiana	12.0	24.0	8	2	1
02-05-0740	Tobias Barreto	24.0	5.5	7	1	
02-06-0350	Lagarto	24.0	24.0	14		
03-08-0130	Capela	20.6	—	4	2	2
03-12-0067	Boquim	16.0	19.2	12	4	4
03-12-0300	Itabaininha	12.0	11.2	10	4	4
03-13-0320	Itapora d'Ajuda	21.0	—	4		
01	Sertao Sergipano	22.9	22.0	97	3	
02	Agreste Sergipano	17.0	19.6	72	28	
03	Leste Sergipano	17.7	15.2	75	25	
Total (average)		19.4	18.0	80	20	(%, average)

2.6 Water charge

2.6.1 Existence of meter
(private tap)

2.6.2 Opinion on water charge

Code	Name of Municipality	(R\$/month)	Existence of meter (private tap)		Opinion on water charge		
			Yes	No	Moderate	Expensive	Cheap
01-01-0450	Nossa Senhora da Glória	27.7	7		2	5	
01-01-0540	Poco Redondo	8.1	7		1	6	
01-01-0560	Porto da Folha	11.6	16		10	8	
01-02-0140	Carira	6.2	2		1		1
02-03-0020	Aquidaba	9.9	13	4	7	12	
02-03-0460	Nossa Senhora das dores	6.1	5	6	4	6	
02-04-0290	Itabaiana	n/a		2	n/a	n/a	n/a
02-05-0740	Tobias Barreto	6.1	4		1	2	
02-06-0350	Lagarto	n/a		2	n/a	n/a	n/a
03-08-0130	Capela	11.3	4	2	6	1	
03-12-0067	Boquim	8.4	2	4	4	2	
03-12-0300	Itabaininha	7.0	2	2	4		
03-13-0320	Itapora d'Ajuda	25.5	4			2	
01	Sertao Sergipano	19.2	100		41	56	3
02	Agreste Sergipano	8.2	61	39	60	40	
03	Leste Sergipano	10.9	60	40	74	26	
Total		15.0	75	25	55	44	1
		(average)	(% , average)		(% , average)		

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

2.7 Public taps

Code	Name of Municipality	Regular carrier			Carrying hours (hours/day)	Distance (m)
		Household head	Children	Others (spouse), mixed		
01-01-0450	Nossa Senhora da Gloria			(2)	1.5	25
01-01-0540	Poco Redondo		1		1.0	700
01-01-0560	Porto da Folha	—	—	—	—	—
01-02-0140	Carira	—	—	—	—	—
02-03-0020	Aquidaba	—	—	—	—	—
02-03-0460	Nossa Senhora das dores			2	0.2	17.5
02-04-0290	Itabaiana		1	7	2.2	635
02-05-0740	Tobias Barreto		1	3	1.0	200
02-06-0350	Lagarto	2	1	(1),7	1.8	563
03-08-0130	Capela	—	—	—	—	—
03-12-0067	Boquim	1	2	7	1.3	188
03-12-0300	Itabaininha		1	(2),7	1.7	115
03-13-0320	Itapora d'Ajuda	—	—	—	—	—
01	Sertao Sergipano					
02	Agreste Sergipano					
03	Leste Sergipano					
	Total (%, average)					

2.8 Expectation from implementation body

Code	Name of Municipality	Quality Improvement	Stable supply	Labor hours cut	Others
01-01-0450	Nossa Senhora da Gloria	8			
01-01-0540	Poco Redondo		4		
01-01-0560	Porto da Folha				
01-02-0140	Carira	1			
02-03-0020	Aquidaba		2		2
02-03-0460	Nossa Senhora das dores		2		1
02-04-0290	Itabaiana	3	3	5	
02-05-0740	Tobias Barreto	4	1	3	
02-06-0350	Lagarto	2		12	
03-08-0130	Capela		1		1
03-12-0067	Boquim	10	4	2	
03-12-0300	Itabaininha	2	4	8	
03-13-0320	Itapora d'Ajuda		1		2
01	Sertao Sergipano	69	31		
02	Agreste Sergipano	24	22	46	8
03	Leste Sergipano	35	29	29	7
	Total (%, average)	36	26	32	6

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

2.9 Other water use

Code	Name of Municipality	Yes	No	If yes, what kinds? (multiple answers)		
				Rainwater	Well	Bottled water
01-01-0450	Nossa Senhora da Gloria	1	8	1		1
01-01-0540	Poco Redondo	2	4		2	1
01-01-0560	Porto da Folha	1	9		1	
01-02-0140	Carira		2			
02-03-0020	Aquidaba	7	11	4	1	
02-03-0460	Nossa Senhora das dores	3	7	2	1	
02-04-0290	Itabaiana	8	3	8		
02-05-0740	Tobias Barreto	7	1	7		
02-06-0350	Lagarto	14		14		
03-08-0130	Capela	1	6	1		
03-12-0067	Boquim	14	2	14		
03-12-0300	Itabaininha	10	4	10		7
03-13-0320	Itapora d'Ajuda		4			
01	Sertao Sergipano	12	88	17	50	33
02	Agreste Sergipano	69	31	91	9	
03	Leste Sergipano	61	39	78		22
	Total (% , average)	51	49	77	8	15

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

B. Questionnaire to all inhabitants

1. Water consumption

		Domestic				Livestock
Code	Name of Municipality	All inhabitant		Without project		(liter/day)
		(liter/day)	(liter/capita)	(liter/day)	(liter/capita)	
01-01-0450	Nossa Senhora da Gloria	141	34	135	29	325
01-01-0540	Poco Redondo	93	19	88	20	224
01-01-0560	Porto da Folha	104	21	65	22	1300
01-02-0140	Carira	159	35	153	33	744
02-03-0020	Aquidaba	148	28	160	25	300
02-03-0460	Nossa Senhora das dores	98	21	101	23	
02-04-0290	Itabaiana	217	44	153	35	138
02-05-0740	Tobias Barreto	144	31	137	30	
02-06-0350	Lagarto	273	63	190	48	290
03-08-0130	Capela	146	26	162	25	200
03-12-0067	Boquim	175	42	165	41	220
03-12-0300	Itabaininha	151	30	100	27	
03-13-0320	Itapora d'Ajuda	198	36	216	37	130
01	Sertao Sergipano	125	28	126	29	
02	Agreste Sergipano	172	36	131	30	
03	Leste Sergipano	168	34	175	32	
	Total (average)	156	33	144	30	

2. Satisfaction with water quality

Code	Name of Municipality	Yes	No	If no, what is required? (multiple answers)		
				Quality improvement	Less impurities	Others
01-01-0450	Nossa Senhora da Gloria	11	8	1	7	
01-01-0540	Poco Redondo	17	1			
01-01-0560	Porto da Folha	11			1	
01-02-0140	Carira	3	17	5	12	
02-03-0020	Aquidaba	17	2	2		
02-03-0460	Nossa Senhora das dores	17	3		3	
02-04-0290	Itabaiana	11	9	2	7	
02-05-0740	Tobias Barreto	5	15	14	3	
02-06-0350	Lagarto	16				
03-08-0130	Capela	15	4	3		
03-12-0067	Boquim	14	6	2		4
03-12-0300	Itabaininha	14	6	6		
03-13-0320	Itapora d'Ajuda	19	1	1		
01	Sertao Sergipano	68	32	23	77	
02	Agreste Sergipano	69	31	58	42	
03	Leste Sergipano	78	22	75		25
	Total (%, average)	70	30	49	45	6

3. Any permission required to use well water

4. Existence of water association

5. Existence of particular agreement among well water users
Negative replies were given in each of the above subjects (3 to 5).

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

6. Household size

7. Working hours

Code	Name of Municipality	(number of persons)	(hours/day)
01-01-0450	Nossa Senhora da Gloria	4.2	11.9
01-01-0540	Poco Redondo	4.9	10.6
01-01-0560	Porto da Folha	4.9	9.8
01-02-0140	Carira	4.6	11.1
02-03-0020	Aquidaba	5.2	9.0
02-03-0460	Nossa Senhora das dores	4.6	8.6
02-04-0290	Itabaiana	4.9	11.3
02-05-0740	Tobias Barreto	4.6	9.8
02-06-0350	Lagarto	4.3	11.8
03-08-0130	Capela	5.7	10.7
03-12-0067	Boquim	4.2	10.3
03-12-0300	Itabaininha	5.1	11.0
03-13-0320	Itapora d'Ajuda	10.4	10.4
01	Sertao Sergipano	4.7	10.9
02	Agreste Sergipano	4.7	10.1
03	Leste Sergipano	6.4	10.6
	Total (average)	5.2	10.5

8. Household economy

8.1 Profession (multiple answers)

Code	Name of Municipality	Farmer		Employee	Others
		agriculture	cattle breeding		
01-01-0450	Nossa Senhora da Gloria	16	11	4	6
01-01-0540	Poco Redondo	8	6		6
01-01-0560	Porto da Folha	7		2	11
01-02-0140	Carira	10	6	3	10
02-03-0020	Aquidaba	9	2	4	9
02-03-0460	Nossa Senhora das dores	8		4	12
02-04-0290	Itabaiana	12	2	2	8
02-05-0740	Tobias Barreto	10		6	9
02-06-0350	Lagarto	11	1		14
03-08-0130	Capela	8	2	4	8
03-12-0067	Boquim	10	1	4	9
03-12-0300	Itabaininha	9		3	19
03-13-0320	Itapora d'Ajuda	15	2	1	3
01	Sertao Sergipano	39	22	8	31
02	Agreste Sergipano	41	4	13	42
03	Leste Sergipano	43	5	12	40
	Total (% , average)	41	10	11	38

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

8.2 Questionnaire to farmers

8.2.2 Cultivated Area

Code	Name of Municipality	Farmer		Cultivated area (ha)
		tenant	landed	
01-01-0450	Nossa Senhora da Gloria		14	3.1
01-01-0540	Poco Redondo	1	8	18.8
01-01-0560	Porto da Folha		2	19.1
01-02-0140	Carira		10	56.1
02-03-0020	Aquidaba	2	8	7.4
02-03-0460	Nossa Senhora das dores	1	6	2.5
02-04-0290	Itabaiana		1	n/a
02-05-0740	Tobias Barreto	n/a	n/a	n/a
02-06-0350	Lagarto		1	20.0
03-08-0130	Capela	1	5	4.5
03-12-0067	Boquim	n/a	n/a	n/a
03-12-0300	Itabaininha	n/a	n/a	n/a
03-13-0320	Itapora d'Ajuda		7	2.3
01	Sertao Sergipano			
02	Agreste Sergipano			
03	Leste Sergipano			
	Total (% , average)			

8.2.1 Main products (multiple answers)

Code	Name of Municipality	Orange	Corn	Beans	Sugar cane	Vegetables	Cattle	Poultry	Others
01-01-0450	Nossa Senhora da Gloria		5	1			7		
01-01-0540	Poco Redondo		9	11			6		4
01-01-0560	Porto da Folha		7	6			1		4
01-02-0140	Carira		8	8			9	1	
02-03-0020	Aquidaba		7	7			3		4
02-03-0460	Nossa Senhora das dores		6	4					8
02-04-0290	Itabaiana		1	1			1		
02-05-0740	Tobias Barreto								
02-06-0350	Lagarto						1		
03-08-0130	Capela		7	5				2	
03-12-0067	Boquim								
03-12-0300	Itabaininha								
03-13-0320	Itapora d'Ajuda	1	13	12		1	1		15
01	Sertao Sergipano		33	30			26	1	10
02	Agreste Sergipano		39	33			6		22
03	Leste Sergipano	2	35	30		2	2	3	26
	Total (% , average)	1	35	31		1	14	2	16

DB-5-3 Replies to Questionnaires to Rural Inhabitants
(Continuation)

8.2.3 Irrigation

Code	Name of Municipality	Months for irrigation	Volume (m ³)	Area (ha)	Existence of permission for irrigation
01-01-0450	Nossa Senhora da Gloria				
01-01-0540	Poco Redondo				
01-01-0560	Porto da Folha				
01-02-0140	Carira				
02-03-0020	Aquidaba				
02-03-0460	Nossa Senhora das dores				
02-04-0290	Itabaiana				
02-05-0740	Tobias Barreto				
02-06-0350	Lagarto				
03-08-0130	Capela				
03-12-0067	Boquim				
03-12-0300	Itabaininha				
03-13-0320	Itapora d'Ajuda				

Few data were collected in every subject

8.2.4 Existence of water users' association

Negative replies were given in this subject.

8.3 Existence of fishing right

No data was collected.

8.4 Household income and expenditure in a month (R\$)

Code	Name of Municipality	Income (minimum salary)	Expenditure			Savings (as of today)	Debt (as of today)
			total	food	water		
01-01-0450	Nossa Senhora da Gloria	2.1	273	194	(7) 28		3450
01-01-0540	Poco Redondo	1.5	171	108	(12) 22		7316
01-01-0560	Porto da Folha	1.6	186	118	(16) 10		363
01-02-0140	Carira	2.8	358	211	(1) 7.1	400	9567
02-03-0020	Aquidaba	1.8	220	132	(18) 9.8	3000	723
02-03-0460	Nossa Senhora das dores	1.9	209	134	(10) 6.1		745
02-04-0290	Itabaiana	2.9	374	221	n/a		740
02-05-0740	Tobias Barreto	1.9	247	148	(7) 4.3		
02-06-0350	Lagarto	2.7	308	185	n/a	7000	2350
03-08-0130	Capela	1.8	229	139	(7) 11.3	1200	620
03-12-0067	Boquim	2.2	268	147	(6) 8.4	817	2500
03-12-0300	Itabaininha	2.0	254	155	(4) 7.0		500
03-13-0320	Itapora d'Ajuda	1.9	256	139	(2) 26		
01	Sertao Sergipano	2.0	247	158	17.1		
02	Agreste Sergipano	2.2	272	164	7.6		
03	Leste Sergipano	2.0	252	145	11.0		
	Total (%, average)	2.1	257	156	12.3		

() number of answers

DB-5-4 Replies to Questionnaires to Manufacturers

1. Location of the companies and types of products

Municipality	Number of the company	Types of Products					
		Textile	Garment	Food	Beverage	Mineral non-metal	Metal
Aracaju	8					2	5
Araua	2		1	2			
Estancia	2	1			1		
Itabaininha	1					1	
Itaporanga d'Ajuda	1		1				
Lagarto	1			1			
Neopolis	1	1					
Siriri	1					1	
Salgado	1			1			
Total	18	2	2	4	1	4	5

2. Figures by category

Types of products	Company (No.)	Associates (persons)	Employees (persons)	Turnover (1000R\$/month)	Production (/month)
Textile	1	13	370	2,000	1,060,000MT
	2	170	450	1,000	700,000m
Garment	1	485	5	400	70,000units
	2	15	640	6,000	70,000units
Food	1	4	40	300	400,000liters
	2	n/a	n/a	n/a	350,000liters
	3	n/a	9	62	79,000units
	4	n/a	45	35,797	
Beverage	1	listed comp.	270	n/a	11,000hl
Mineral n.-m.	1	4	424	1,200	518,000m ²
	2	listed comp.	2,000	24,000	~
	3	2	60	48	15,000,000units
	4	2	50	19	n/a
Metal	1	3	75	2,000	120,000,000units
	2	6	37	130	33,000kg
	3	3	28	35	550uits
	4	3	16	30	40units
	5	2	7	3	30units

DB-5-4 Replies to Questionnaires to Manufacturers
(Continuation)

3. Water use

Types of products	Company (No.)	Source		Types of source			
		Public	Own and/or other private	Public net	Deep well	Shallow well	River, lake
Textile	1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	2		<input type="radio"/>				<input type="radio"/>
Garment	1	<input type="radio"/>		<input type="radio"/>			
	2		<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
Food	1		<input type="radio"/>		<input type="radio"/>		
	2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
	4		<input type="radio"/>		<input type="radio"/>		
Beverage	1		<input type="radio"/>				<input type="radio"/>
Mineral n.-m.	1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	3		<input type="radio"/>				<input type="radio"/>
	4		<input type="radio"/>				<input type="radio"/>
Metal	1	<input type="radio"/>		<input type="radio"/>			
	2	<input type="radio"/>		<input type="radio"/>			
	3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	4		<input type="radio"/>		<input type="radio"/>		
	5	<input type="radio"/>		<input type="radio"/>			
Total	18	10	13	10	9	0	5

4. Water consumption

Types of products	Company (No.)	(m ³ /month)	
		Public	Own and/or other private
Textile	1	220	100
	2		37,400
Garment	1	4,655	12,490
	2		280,000
Food	1		150,000
	2	205	224
	3	59	
	4		300
Beverage	1		103,800
Mineral n.-m.	1	5,370	5,200
	2	6,000	700,000
	3		3,000
	4		30,000
Metal	1	1,000	
	2	54	
	3	n/a	n/a
	4		n/a
	5	6	
Total	18		

5. Water charge or cost

(R\$/month)	
Public	Own and/or other private
840	1,415
n/a	n/a
n/a	n/a
820	219
66	100
14,445	800
16,000	178,000
	30
	250
2,000	
89	
n/a	n/a
n/a	n/a
14	

DB-5-4 Replies to Questionnaires to Manufacturers
(Continuation)

6. Problems concerning the water used

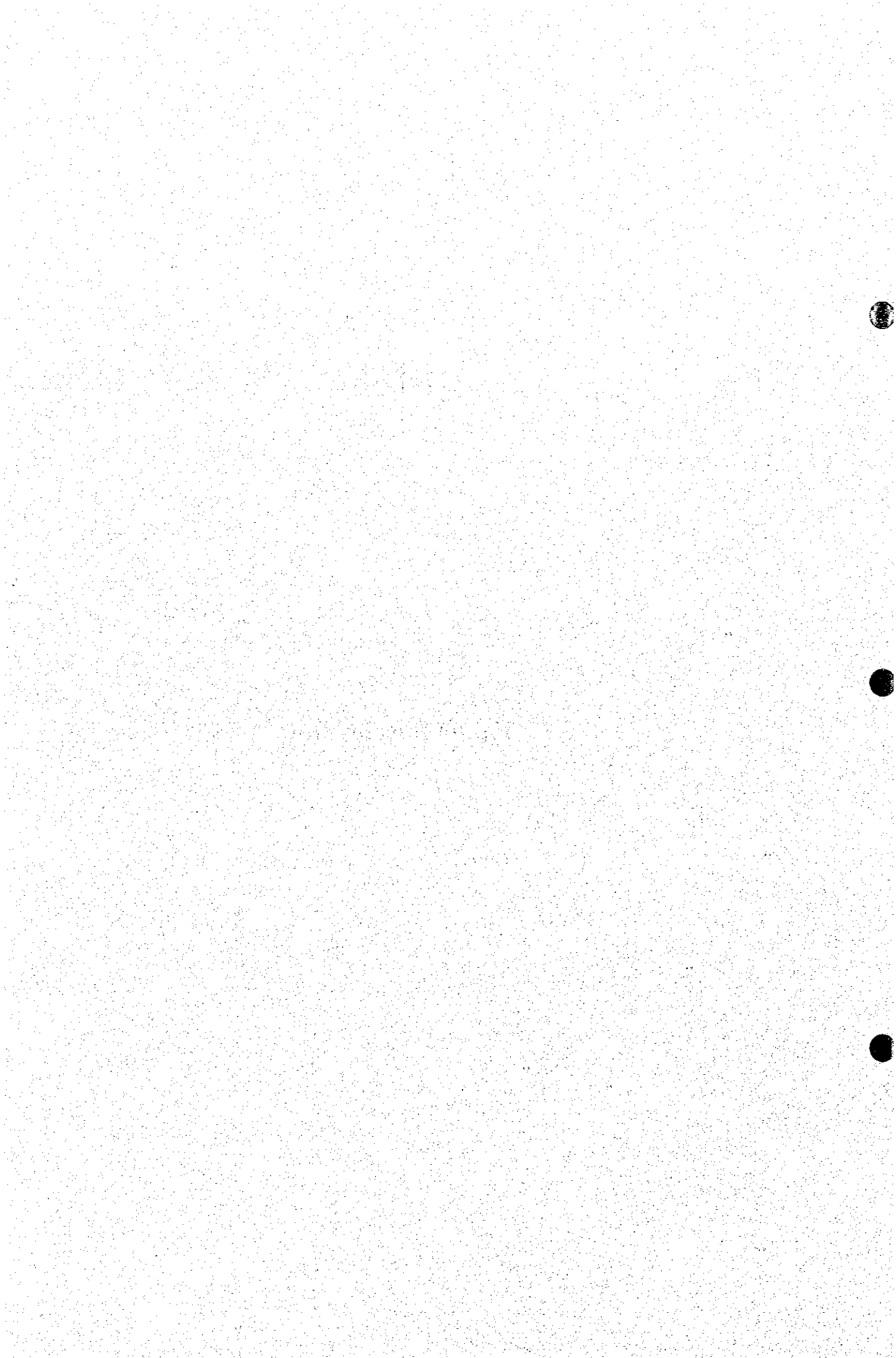
Types of products	Company (No.)	Public				Own and/or private entities			
		1	2	3	4	1	2	3	4
Textile	1	n/a				n/a			
	2					○			
Garment	1			○	○				
	2					n/a			
Food	1					n/a			
	2				○	○	○		
	3			○					
	4					n/a			○
Beverage	1					○			
Mineral n.-m.	1			○		○			
	2				○				
	3					n/a			
	4					○			
Metal	1			○					
	2			○	○				
	3	n/a				n/a			
	4						○		
	5			○					
Total	18			6	4	5	2		1

- 1: Low quality
- 2: Insufficient quantity
- 3: Instability of supply
- 4: Too high price or expensive

DB-6

Fauna Species Data

DB-6-1 Fauna Species Data



Preliminary List of Fauna Species Likely to Occur in Sergipe State

(1)

Scientific Name	Group / English Name	Habitat Type	Status
1. Amphibian			
<i>Pelurodema dipolistris</i>	Toad		Rare
<i>Dermatonotus muelleri</i>	Toad		Common
<i>Bufo</i> spp.	Toad	River, Lake, Wetland	Indefinite
<i>Bufo paracnemis</i>	Toad		Abundant
<i>Ploceratocephalus borei</i>	Toad		Common
<i>Hyla crepitans</i>	Tree Frog	Grassland, River, Lake, Wetland, Antrum	Indefinite
<i>Physalaemus albifrons</i>	Frog		Rare
<i>Physalaemus</i> spp.	Frog	River, Lake, Wetland	Indefinite
<i>Leptodactylus labyrinthicus</i>	Frog		Common
<i>Leptodactylus ocellatus</i>	Frog		Common
<i>Leptodactylus troglodytes</i>	Frog		Common
<i>Eleutherodactylus</i> spp.	Frog		Rare
2. Reptile			
<i>Gymnophthalmus multisulcatus</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Mabuya heathi</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Micrablepharus maximiliani</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Nothobachia ablephara</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Briba brasiliensis</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Coleodactylus meridionalis</i>	Small Lizard		Abundant
<i>Anolis fuscoauratus</i>	Small Lizard		Rare
<i>Gymnodactylus geckoides</i>	Small Lizard	Forest, Grassland, Antrum	Indefinite
<i>Cnemidophorus ocellifer</i>	Small Lizard		Abundant
<i>Mabuya heathi</i>	Small Lizard		Common
<i>Tropidurus hygoi</i>	Small Lizard		Common
<i>Tropidurus hispidus</i>	Small Lizard	River, Dune, Semi-deciduous Forest	Abundant
<i>Tropidurus torquatus</i>	Small Lizard	Forest, Grassland, Antrum	
<i>Erythrolis catenatus</i>	Small Lizard	Semi-deciduous Forest	Rare
<i>Ameiva ameiva</i>	Small Lizard	Forest, Grassland, Shoal	Common
<i>Iguana iguana</i>	Chameleon	Shoal	Rare
<i>Phrynops</i> spp.	Land Turtle	Grassland, River, Lake, Wetland, Antrum	Indefinite
<i>Dromicus viridis</i>	Snake	Forest, Grassland, Antrum	Indefinite
<i>Amphisbaenia verruculosa</i>	Snake	Forest, Grassland, Antrum	Indefinite
<i>Chelonia accipitrifera</i>	Snake	Forest, Grassland, Antrum	Indefinite
<i>Helicops leopardinus</i>	Snake	River, Lake, Wetland	Indefinite
<i>Drymarchon</i> spp.	Snake	Forest, Grassland, Antrum	Indefinite
<i>Leptophis ahaetulla</i>	Snake	Forest, Grassland, Antrum	Indefinite
<i>Micrurus</i> spp.	Coral Snake	Forest, Grassland	Indefinite
<i>Oxyrhopus</i> spp.	Coral Snake	Forest, Grassland	Indefinite

(2)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Bothrops erythromelas</i>	Venomous Snake	Forest, Grassland	Indefinite
<i>Bothrops spp.</i>	Venomous Snake	Forest, Grassland	Indefinite
<i>Mastigodryas spp.</i>	Venomous Snake	Forest, Grassland, River, Lake, Wetland	Indefinite
<i>Caiman latirostris</i>	Cayman	River, Lake, Wetland	Threatened
<i>Caiman spp.</i>	Cayman	River, Lake, Wetland	Indefinite
<i>Bothrops spp.</i>	Venomous Snake	Forest, Grassland	Indefinite
<i>Baa spp.</i>	Salamander	Forest, Grassland	Indefinite
<i>Tupinambis tequixim</i>	Lizard	Forest, Grassland	Indefinite
3. Mammal			
<i>Didelphis aurita</i>	Opossum	Forest	Rare
<i>Didelphis albiventris</i>	Opossum	Antrum	Common
<i>Didelphis marsupiales</i>	Opossum	Shoal Forest, Semi-deciduous Forest, Antrum	Common
<i>Didelphis spp.</i>	Opossum	Forest, Grassland, Antrum	Indefinite
<i>Marmosa incana</i>	Opossum	Semi-deciduous Forest	Common
<i>Marmosa cinerea</i>	Opossum	Semi-deciduous Forest	Common
<i>Callithrix jacchus</i>	Tamarin	Forest, Shoal Forest, Semi-deciduous Forest	Abundant
<i>Cebus Apella</i>	Monkey	Forest, Semi-deciduous Forest	Common
<i>Alouatta carala</i>	Monkey	Forest	Rare
<i>Callicebus personatus</i>	Marmoset	Semi-deciduous Forest	Rare
<i>Mymecophaga tridactyla</i>	Anteater	River, Shoal Forest	Rare
<i>Tamandua tetradactyla</i>	Anteater	River, Shoal Forest	Rare
<i>Euphractus sexinctus</i>	Armadillo	River, Shoal Forest, Semi-deciduous Forest, Antrum	Abundant
<i>Cabossous unicinctus</i>	Armadillo	River, Shoal Forest	Rare
<i>Dasytus novencinctus</i>	Armadillo	River, Shoal Forest, Semi-deciduous Forest, Antrum	Common
<i>Syivilagus brasiliensis</i>	Rodent	River, Shoal Forest, Antrum	Common
<i>Akondon cursor</i>	Rat	River, Shoal Forest	Abundant
<i>Kannabateomys spp.</i>	Rat	Grassland	Indefinite
<i>Metachirus spp.</i>	Rat	Grassland, River, Lake, Wetland, Antrum	Indefinite
<i>Holochilus brasiliensis</i>	Rat	Grassland, Antrum	Indefinite
<i>Echimys spp.</i>	Rat	Grassland	Rare
<i>Liziurus ptxuna</i>	Rat	Grassland, Antrum	Indefinite
<i>Rattus rattus</i>	Rat	Antrum	Indefinite
<i>Hydrocoerus hydrocoerus</i>	Capybara	River, Lake, Wetland	Indefinite
<i>Hydrochactis hydrichactis</i>	Capybara	Mangrove	Abundant
<i>Cuniculus paca</i>	Paca	Grassland, Antrum	Rare
<i>Agouti paca</i>	Paca	Semi-deciduous Forest, Forest	Rare
<i>Nasua spp.</i>	Agouti	Forest, Grassland	Rare
<i>Dasyprocta sp.</i>	Agouti	Forest	Indefinite

(3)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Dasyprocta aguti</i>	Agouti	River, Shoal Forest, Antrum	Abundant
<i>Galea spixii</i>	Cavy	River, Antrum	Common
<i>Cavia aperea</i>	Cavy	Grassland	Indefinite
<i>Coendu villosus</i>	Hedgehog	Forest	Rare
<i>Sciurus aestuans</i>	Squirrel	Forest	Rare
<i>Procyon spp.</i>	Crab-eating Raccoon	Forest, Grassland, River, Lake, Wetland	Rare
<i>Procyon cancrivorus</i>	Crab-eating Raccoon	Forest, River, Antrum	Abundant
<i>Galictis vittata</i>	Ferret	Antrum	Rare
<i>Cerdocyon thous</i>	Fox	River, Shoal Forest, Antrum, Forest	Abundant
<i>Dusycyon spp.</i>	Fox	Grassland	Rare
<i>Nasua nasua</i>	Coati	River, Forest	Rare
<i>Lutra spp.</i>	Otter	Mangrove	Rare
<i>Felis spp.</i>	Margay	Forest	Rare
<i>Felis concolor</i>	Puma	Shoal Forest, River, Antrum	Rare
<i>Tayassu pecari</i>	White-lipped Peccary	Semi-deciduous Forest, Shoal Forest	Rare
<i>Tayassu tajacu</i>	Collared Peccary	Semi-deciduous Forest, Shoal Forest	Rare
<i>Cerdocydon spp.</i>	Bush Dog	Grassland, Forest, Antrum	Indefinite
<i>Dusycyon spp.</i>	Bush Dog	Forest, Grassland, Antrum	Indefinite
<i>Conepatus chilensis</i>	Conepate	Forest, Grassland	Indefinite
<i>Sylvilagus brasiliensis</i>	Tapeti	Grassland, Antrum	Rare / Common
<i>Rhynchonycteris spp.</i>	Bat	Forest, Grassland, Antrum	Indefinite
<i>Mus pyrrhorhinus</i>	Bat	Forest, Grassland, Antrum	Indefinite
<i>Tadarida brasiliensis</i>	Bat	Forest, Grassland, Antrum	Indefinite
4. Aves			
<i>Cyanocampa cyanea</i>	Blue Bird	Grassland, Antrum	Indefinite
<i>Paroaria dominicana</i>	Cardinal	Forest, Grassland, Dune	Common
<i>Nothura maculosa</i>	Tinamou	Grassland, River, Lake, Wetland	Rare
<i>Nothura buracura</i>	Tinamou	Small High Field	Rare
<i>Crypturellus spp.</i>	Ynambu	Forest	Indefinite
<i>Agelaius nfricapillus</i>		Grassland, River, Lake, Wetland	Indefinite
<i>Puffinus diomedea</i>	Manx Shearwater	Coast	Rare
<i>Casmerodius albus</i>	Souwy Egret	Mangrove, Antrum	Abundant
<i>Egretta thula</i>	Souwy Egret	Mangrove, Antrum	Abundant
<i>Florida caerulea</i>	Little Blue Heron	Mangrove	Common
<i>Butorides striatus</i>	Heron	Mangrove	Common
<i>Nycticorax nycticorax</i>		Mangrove	Common
<i>Bubulcus ibis</i>	Heron	Antrum	Common
<i>Dendrocygna viduata</i>	Tree Duck	Mangrove	Rare
<i>Netta erythrophthalma</i>	Duck	Mangrove	Rare

(4)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Anas viduata</i>	Duck	River, Lake, Wetland	Rare
<i>Sarcoramphus papa</i>	Black Vulture	Semi-deciduous Forest	Rare
<i>Coragyps atratus</i>	Black Vulture	Antrum	Abundant
<i>Cathartes aura</i>	Wood ibis	Coast, Dune, Semi-deciduous Forest	Common
<i>Cathartes burrovianus</i>	Black Vulture	Mangrove	Rare
<i>Gampsonyx swainsonii</i>		Mangrove	Rare
<i>Chondrohierax uncinatus</i>		Dune, Mangrove	Rare
<i>Harpagus bidentatus</i>	Double-toothed Hawk	Semi-deciduous Forest	Rare
<i>Rostrhamus sociabilis</i>		Mangrove	Common
<i>Thyrothorus spp.</i>	Wren	Forest, Grassland	Indefinite
<i>Thyrothorus genibarbus</i>	Wren	Forest, Grassland	Indefinite
<i>Ictinia plumbea</i>	Hawk	Grassland, Antrum	Indefinite
<i>Accipiter bicolor</i>	Hawk	Semi-deciduous Forest	Rare
<i>Buteo albicaudatus</i>	Hawk	Small High Field	Rare
<i>Buteo albonotatus</i>	Hawk	Dune	Rare
<i>Buteo magnirostris</i>	Hawk	Dune, Shoal, Antrum	Common
<i>Leucopternis polinoea</i>	Hawk	Grassland, Antrum	Indefinite
<i>Leucopternis lacernulata</i>	Hawk	Semi-deciduous Forest	Rare
<i>Buteogallus aequinoctialis</i>		Mangrove	Rare
<i>Buteogallus urubitinga</i>	Hawk	Dune	Rare
<i>Milvago chimachima</i>		Antrum, Small High Field	Common
<i>Polyborus plancus</i>	Cara Cara	Antrum, Small High Field	Abundant
<i>Falco nigrularia</i>	Falcon	Semi-deciduous Forest	Rare
<i>Falco femoralis</i>	Falcon	Antrum, Shoal	Rare
<i>Falco sparverius</i>	Small Sparrow Hawk	Dune, River, Antrum	Common
<i>Hirundinea ferrigea</i>		Grassland	Rare
<i>Aramides mangle</i>	Shore Bird	Mangrove	Rare
<i>Aramides cajanea</i>	Shore Bird	Mangrove	Common
<i>Gallinula chloropus</i>	Gallinule	Mangrove	Rare
<i>Aratinga aurea</i>	Peach-fronted Conure	Forest, Grassland	Indefinite
<i>Jacana jacana</i>	Jacana	Mangrove	Common
<i>Haematopus palliatus</i>	Oyster Catcher	Coast	Rare
<i>Vanellus chilensis</i>	Lapwing	Coast, Forest, River, Antrum	Abundant
<i>Pluvialis squatarola</i>	Plover	Coast	Occasional
<i>Charadrius semipalmatus</i>	Plover	Coast	Occasional
<i>Charadrius collaris</i>	Plover	Coast	Occasional
<i>Arenaria interpres</i>		Coast	Occasional
<i>Tringa flavipes</i>	Plover	Mangrove	Common
<i>Tringa salitarius</i>	Plover	River, Lake, Wetland	Rare
<i>Actitis macularia</i>	Plover	Mangrove	Common
<i>Calidris spp.</i>	Plover	Coast, Mangrove	Common
<i>Calidris alba</i>	Kingfisher	Coast	Common

(5)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Himantopus himantopus</i>	Stilt	Mangrove, Antrum	Abundant
<i>Arundinicola leucocephala</i>	Window Bird	Grassland, River, Lake, Wetland	Indefinite
<i>Sterna Itrundo</i>	White-headed Tern	Coast	Occasional
<i>Zenaida auriculata</i>	Paraguayan Eared Dove	Small High Field, Antrum	Rare
<i>Colombina picui</i>	Dove	Grassland	Indefinite
<i>Columbina talpacoti</i>	Dove	Antrum	Abundant
<i>Ciaravis pretiosa</i>	Dove	Shoal	Rare
<i>Scardafelis aquammrata</i>	Scaled Dove	Antrum	Abundant
<i>Leptotila verreauxi</i>	Field Dove	Small High Field, Shoal	Rare
<i>Forpus xanthopterygius</i>		River, Semi-deciduous Forest, Shoal Forest	Common
<i>Aratinga cactorum</i>		Forest, Grassland	Threatened
<i>Plonus maximiliani</i>	Cockatoo	Semi-deciduous Forest	Rare
<i>Amazona xanitho spp.</i>	Yellow-winged Parrot	Forest	Rare
<i>Amazona amazonica</i>	Parrot	Mangrove	Rare
<i>Amazona rhodocorytha</i>	Parrot	Forest	Threatened
<i>Coccyzus melacoryphus</i>	Cuculiform	Shoal, Shoal Forest	Common
<i>Piaya cayana</i>		Shoal, Shoal Forest	Rare
<i>Carduelis yarrellii</i>	Goldfinch	Forest, Grassland	Threatened
<i>Crotophaga ani</i>	Ani	Antrum, Dune	Abundant
<i>Crotophaga maj or</i>	Ani	Mangrove	Rare
<i>Guira guira</i>	Ani	Antrum, Dune, River	Abundant
<i>Tapera naevia</i>	Striped Cuckoo	Semi-deciduous Forest	Rare
<i>Otus choliba</i>	Owl	Forest	Rare
<i>Speotyto cunicularia</i>	Owl	Dune, Shoal	Common
<i>Nyctibius griseus</i>	Goatsucker	Semi-deciduous Forest	Rare
<i>Caprimulgus parvulus</i>	Goatsucker	Shoal	Rare
<i>Phaethornis ruber</i>		Semi-deciduous Forest	Rare
<i>Phaethornis idaliae</i>		Shoal, Shoal Forest	Rare
<i>Eupetomena macroura</i>	Swallow-tailed Kite	Antrum, Shoal	Common
<i>Chlorostilbon aureoventris</i>		Shoal	Rare
<i>Phaethornis spp.</i>	Humming Bird	Forest, Grassland	Indefinite
<i>Discoanura longicauda</i>	Humming Bird	Forest, Grassland, Antrum	Indefinite
<i>Hylocharis cyanus</i>	Humming Bird	Shoal	Rare
<i>Amazilia fimbriata</i>	Humming Bird	Shoal	Common
<i>Myiophobus fasciatus</i>	Crested Flycatcher	Grassland	Indefinite
<i>Sporophila bonvrenil</i>	Seed-eater	Forest, Grassland	Indefinite
<i>Ceryle torquata</i>	Kingfisher	Mangrove, Antrum	Common
<i>Chloroceryle americana</i>	Kingfisher	Mangrove	Common
<i>Chloroceryle amazonas</i>	Kingfisher	River, Lake, Wetland	Rare
<i>Podilymbus migricollis</i>	Ember-geese	River, Lake, Wetland	Rare
<i>Chloroceryle aenea</i>	Kingfisher	Mangrove	Rare

(6)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Galbula nfrcauda</i>	Kingfisher	Semi-deciduous Forest	Rare
<i>Sporophila nigricollis</i>	Lined Seedeater	Grassland	Indefinite
<i>Nystalus chacuru</i>	Barbet	Antrum	Rare
<i>Verniliorntis passerinus</i>	Woodpecker	Forest	Indefinite
<i>Colaptes campestris</i>	Woodpecker	Antrum	Rare
<i>Driocopus lineatus</i>	Woodpecker	Semi-deciduous Forest	Rare
<i>Xiphorynchus picus</i>	Tree Creeper	Semi-deciduous Forest	Rare
<i>Furnarius rufus</i>	Ovenbird	Antrum	Common
<i>Phacellodomus rufifrons</i>	Ovenbird	Dune	Rare
<i>Thammodon spp.</i>	Antshrike	Forest, Grassland	Rare
<i>Thammodon punctatus</i>	Antshrike	Semi-deciduous Forest	Rare
<i>Myrmotherula urosticta</i>		Shoal Forest	Rare
<i>Nyctidromus albigollis</i>	Goatsucker	Forest	Rare
<i>Formicivora grisea</i>	Antbird	Shoal Forest	Rare
<i>Lipaugus vociferans</i>		Semi-deciduous Forest	Common
<i>Pachyrhamphus marginatus</i>		Semi-deciduous Forest	Rare
<i>Chiroxiphia pareola</i>	Tanager	Semi-deciduous Forest	Rare
<i>Manacus manacus</i>	Bearded Manakin	Semi-deciduous Forest	Rare
<i>Fluvicola nengeta</i>	Sandpiper	Dune, River, Forest, Antrum	Abundant
<i>Fluvicola leucocephala</i>	Sandpiper	Shoal, Mangrove	Common
<i>Tyrannus melancholicus</i>	Walking Tyrant	Antrum, Shoal Forest, River	Common
<i>Sirystes sibilator</i>	Whistler	Semi-deciduous Forest	Rare
<i>Hemitriccus margaritaceiventer</i>	Honey Creeper	Shoal	Rare
<i>Megarhynchus pitangua</i>	Flycatcher	Semi-deciduous Forest	Common
<i>Myiozetetes similis</i>	Flycatcher	Semi-deciduous Forest, Antrum	Abundant
<i>Pitangus lictor</i>	Flycatcher	Grassland, Antrum	Indefinite
<i>Pitangus sulphuratus</i>	Flycatcher	Antrum	Abundant
<i>Phylloscartes flaveola</i>	Parrot	Shoal	Rare
<i>Elaenia flavogaster</i>		Antrum, Shoal	Common
<i>Elaenia cristata</i>		Shoal	Rare
<i>Suiriri suiriri</i>	Walking Tyrant	Shoal Forest, Shoal	Common
<i>Camptostoma obsoletum</i>		Semi-deciduous Forest	Rare
<i>Mionectes oleagineus</i>		Semi-deciduous Forest	Rare
<i>Tolmomyias flaviventris</i>		Shoal Forest	Rare
<i>Myiarchus ferox</i>	Fierce Flycatcher	Small High Field	Rare
<i>Myiarchus tyrannulus</i>	Fierce Flycatcher	Shoal	Rare
<i>Myiarchus tuberculifer</i>	Fierce Flycatcher	Semi-deciduous Forest	Rare
<i>Tachycineta albiventer</i>	Swallow	Mangrove	Common
<i>Notiochelidon cyanoleuca</i>	Swallow	Antrum	Common
<i>Troglodytes aedon</i>		Antrum, River, Small High Field	Common
<i>Mimus gilvus</i>	Thrush	Dune, Shoal	Common
<i>Mimus saturninus</i>	Thrush	Antrum	Rare

(7)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Donacobius atricapillus</i>	Thrush	Grassland, River, Lake, Wetland	Indefinite
<i>Platycircus flavipes</i>	Thrush	Semi-deciduous Forest	Rare
<i>Turdus rufigularis</i>	Thrush	Antrum	Rare
<i>Turdus amaurochalinus</i>	Thrush	Small High Field	Rare
<i>Cycialhis guanensis</i>		Shoal Forest, Shoal	Rare
<i>Vireo olivaceus</i>	Vireo	Forest, Grassland	Indefinite
<i>Vireo chivi</i>	Vireo	Shoal Forest	Rare
<i>Polioptila plumbea</i>		Shoal	Rare
<i>Molothrus bonariensis</i>		Antrum	Abundant
<i>Cactus haemorrhous</i>	Oriole	Dune, Shoal	Rare
<i>Cactus cela</i>	Cacique	Dune, Shoal	Rare
<i>Icterus cayanensis</i>		Dune, Shoal	Common
<i>Icterus icterus</i>	Oriole	Small High Field	Rare
<i>Icterus jamacai</i>	Oriole	Forest, Grassland	Indefinite
<i>Leistes militaris</i>	Red-breasted Blackbird	Antrum	Rare
<i>Basileuterus flaveolus</i>	Canary Bird	Semi-deciduous Forest	Rare
<i>Sicalis flaveola</i>	Canary Bird	Forest, Grassland	Rare
<i>Coereba flaveola</i>		Antrum	Common
<i>Dacnis cayana</i>	Honey Creeper	Semi-deciduous Forest	Common
<i>Euphonia violacea</i>		Semi-deciduous Forest	Rare
<i>Thraupis sayaca</i>	Tanager	Semi-deciduous Forest	Common
<i>Thraupis palmarum</i>	Tanager	Dune, River, Antrum	Common
<i>Schistochlamys nigricapillus</i>	Tanager	Shoal, Shoal Forest	Rare
<i>Tachyphonus rufus</i>	Tanager	Shoal	Rare
<i>Arremon taciturnus</i>	Crown Sparrow	Semi-deciduous Forest	Rare
<i>Patoaria dominicana</i>	Gallinacean	Dune, Shoal	Common
<i>Passer domesticus</i>	Sparrow	Antrum	Common
<i>Arundinicola leucocephala</i>	Widow Bird	Grassland, River, Lake, Wetland	Indefinite
<i>Coryphospingus pileatus</i>		Grassland	Indefinite
<i>Anodorhynchus spp.</i>	Macaw	Forest, Grassland	Threatened
<i>Pteroglossus aracari</i>	Toucan	Forest	Rare
<i>Cyanocorax cyanopogon</i>		Forest, Grassland, Antrum	Rare
<i>Dendrocygna viduata</i>	Widgeon	River, Lake, Wetland	Rare
<i>Rallus spp.</i>	Woodrail	River, Lake, Wetland	Rare
<i>Ramphastos vitellinus</i>	Ariel Toucan	Forest	Rare
5. Aquatic Fauna			
<i>Leporinus spp. *</i>	Sawfish	River, Lake, Wetland	Indefinite
<i>Rhamdia quelen *</i>	Catfish	River, Lake, Wetland	Indefinite
<i>Parauchenipterus spp. *</i>	Freshwater Catfish	River, Lake, Wetland	Rare
<i>Parauchenipterus galeatus *</i>	Freshwater Catfish	River, Lake, Wetland	Rare
<i>Acestrorhynchus spp. *</i>	Mojarra	River, Lake, Wetland	Indefinite

(8)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Hypostomus</i> spp. *	Catfish	River, Lake, Wetland	Indefinite
<i>Centropomus</i> spp. *	Snook	River, Lake, Wetland	Indefinite
<i>Tarpan atlanticus</i> *	Tarpon	River, Lake, Wetland	Rare
<i>Parchyurus francini</i> *	Corbina	River, Lake, Wetland	Rare
<i>Pachyurus squantipinnia</i> *	Corbina	River, Lake, Wetland	Rare
<i>Prochilodus</i> spp. *	Characin	River, Lake, Wetland	Indefinite
<i>Prochilodus affinis</i> *	Characin	River, Lake, Wetland	Rare
<i>Prochilodus marggravii</i> *	Characin	River, Lake, Wetland	Rare
<i>Straitulus</i> spp. *	Freshwater Catfish	River, Lake, Wetland	Indefinite
<i>Salminus brasiliensis</i> *	Dorado	River, Lake, Wetland	Rare
<i>Pinelodus maculatus</i> *	Catfish	River, Lake, Wetland	Indefinite
<i>Pinelodus</i> spp. *	Catfish	River, Lake, Wetland	Rare
<i>Bergiaria westermanni</i> *	Catfish	River, Lake, Wetland	Indefinite
<i>Pimeladella</i> spp. *	Catfish	River, Lake, Wetland	Indefinite
<i>Pimelodus</i> spp. *	Catfish	River, Lake, Wetland	Indefinite
<i>Curimatela</i> spp. *	Engraulidae	River, Lake, Wetland	Rare
<i>Brycon lundii</i> *	Characin	River, Lake, Wetland	Rare
<i>Myleus mlicans</i> *	Snapper	River, Lake, Wetland	Indefinite
<i>Cynoscion steindachneri</i> *	Kake	River, Lake, Wetland	Rare
<i>Acestrorhynchus</i> spp. *	Fiddlerfish	River, Lake, Wetland	Rare
<i>Serrasalmus piraya</i> *	Piranha	River, Lake, Wetland	Indefinite
<i>Cretochanes affinis</i> *	Characinidae	River, Lake, Wetland	Indefinite
<i>Conorhynchus conirostris</i> *		River, Lake, Wetland	Indefinite
<i>Phenacogaster franciscoensis</i> *	Characinidae	River, Lake, Wetland	Indefinite
<i>Hemigranus</i> spp. *	Tetra	River, Lake, Wetland	Indefinite
<i>Bryconamericus</i> spp. *	Tetra	River, Lake, Wetland	Indefinite
<i>Hyphessobrycon</i> spp. *	Tetra	River, Lake, Wetland	Indefinite
<i>Serrasalmus brandtii</i> *	Lungfish	River, Lake, Wetland	Indefinite
<i>Leporinus elongatus</i> *	Characinidae	River, Lake, Wetland	Rare
<i>Leporinus piau</i> *	Characinidae	River, Lake, Wetland	Indefinite
<i>Schizodon Knerii</i> *	Characinidae	River, Lake, Wetland	Indefinite
<i>Centropomus undecimalis</i> *	Pobalo	River, Lake, Wetland	Rare
<i>Gymnotus</i> spp. *	Carapo	River, Lake, Wetland	Indefinite
<i>Eigenmannia</i> spp. *	Carapo	River, Lake, Wetland	Indefinite
<i>Pseudoplatystoma corruscans</i> *	Silurid	River, Lake, Wetland	Indefinite
<i>Hoplias malabaricus</i>		River, Lake, Wetland	Indefinite
<i>Hoplias</i> spp. *		River, Lake, Wetland	Indefinite
<i>Curimata</i> spp. *	Characinidae	River, Lake, Wetland	Rare
<i>Macrobrachium amazonicum</i> *	Prawn	River, Lake, Wetland	Indefinite
<i>Macrobrachium nattereri</i> *	Prawn	River, Lake, Wetland	Indefinite
<i>Pennaeus</i> spp. *	Prawn	River, Lake, Wetland	Indefinite
<i>Ucides cordatus</i> *	Crab	River, Lake, Wetland	Indefinite

(9)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Cardisoma guayanae</i> *		River, Lake, Wetland	Indefinite
<i>Macrobrachium carolinense</i> *	Large Prawn	River, Lake, Wetland	Indefinite
<i>Acanthurus</i> spp. *	Large Prawn	River, Lake, Wetland	Indefinite
<i>Corbula caribaea</i>			
<i>Leptoplecteni bayay</i>			
<i>Lima pellucida</i>			
<i>Tellina versicolor</i>			
<i>Tenulococoncha brasiliensis</i>			
<i>Tagelus divisus</i>			
<i>Cardiomya perostriata</i>			
<i>Nucula semilunata</i>			
<i>Codakia costata</i>			
<i>Chione cancellata</i>			
<i>Anomalocardia brasiliensis</i>			
<i>Anadara brasiliensis</i>			
<i>Abra lioica</i>			
<i>Sphenia antilensis</i>			
<i>Calyptrella centralis</i>			
<i>Calyptrea</i>			
<i>Nassarius vibex</i>			
<i>Parvanachis obesa</i>			
<i>Parvanachis isabellei</i>			
<i>Costoanachis sparsa</i>			
<i>Natica</i> spp.			
<i>Neritina virginea</i>			
<i>Seila adamsi</i>			
<i>Olivella minuta</i>			
<i>Marginella</i> spp.			
<i>Pyrgocythara albobittata</i>			
<i>Pleurotomelia</i> spp.			
<i>Iselica anomala</i>			
<i>Turbonilla</i> spp.			
<i>Distorsio ciathrata</i>			
<i>Antalis disparile</i>			
<i>Antalis taphrium</i>			
<i>Antalis</i> spp.			
<i>Loliguncula brevis</i>	Squid		
<i>Dopatra</i> spp.			
<i>Kinbergonuphis paradiopatra</i>			
<i>Scolecopsis</i> spp.			
<i>Spirophanis</i> spp.			
<i>Soloptos</i> sp.			

(10)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Owenia spp.</i>			
<i>Hemipodus spp.</i>			
<i>Nereis spp. 1</i>			
<i>Nereis spp. 2</i>			
<i>Nereis spp. 3</i>			
<i>Glycinde spp.</i>			
<i>Goniada spp.</i>			
<i>Magelona spp.</i>			
<i>Lepidonotus spp.</i>			
<i>Sthenolepis oculata</i>			
<i>Tharix spp.</i>			
<i>Dorvillea spp.</i>			
<i>Sternaspis spp.</i>			
<i>Glyptis spp.</i>			
<i>Penaeus schmitti</i>	Prawn		
<i>Penaeus paulensis</i>	Prawn		
<i>Penaeus brasiliensis</i>	Prawn		
<i>Penaeus subtilis</i>	Prawn		
<i>Xiphopenaeus kroyeri</i>	Prawn		
<i>Aceles americanus carolinae</i>			
<i>Clibanarius vittatus</i>	Pagurian		
<i>Clibanarius scopetarius</i>	Pagurian		
<i>Nematopalaemon schmitti</i>	Prawn		
<i>Eschippolysmata oplophoroides</i>	Prawn		
<i>Alpheus stuartiensis</i>			
<i>Alpheus maxilliplanus</i>			
<i>Alpheus spp.</i>			
<i>Salmonus ortomanni</i>			
<i>Ogyrides alphaerostris</i>			
<i>Upogebia affinis</i>			
<i>Minyocerus augustus</i>			
<i>Calappa suicata</i>			
<i>He patu s pudibundus</i>			
<i>Callinectes ornatus</i>	Crab		
<i>Callinectes bocourti</i>	Crab		
<i>Callinectes danae</i>	Crab		
<i>Callinectes exasperatus</i>	Crab		
<i>Panopeus herbstii</i>	Mud Crab		
<i>Aratus pisonii</i>	Small Crab		
<i>Gonopsis cruentata</i>	Small Crab		
<i>Pachygrapsus gracilis</i>	Small Crab		
<i>Sesanna (Holometopus) angustipes</i>	Small Crab		

(11)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Metasesarma rubripes</i>			
<i>Cardisoma guanhumi</i>	Mud Crab		
<i>Uca (Boboruca) thayeri</i>	Crablike Crustacean		
<i>Uca (Celuca) leptodactyla</i>	Crablike Crustacean		
<i>Uca (Minuca) mordax</i>	Crablike Crustacean		
<i>Uca (Minuca) rapax</i>	Crablike Crustacean		
<i>Uca (Uca) maracoani</i>	Fiddler Crab		
<i>Ucides cordatus</i>	Crab		
<i>Persephona crinita</i>			
<i>Persephona punctata</i>			
<i>Persephona lichtensteinii</i>			
<i>Libinia ferreirae</i>			
<i>Phmixa sayana</i>			
Ordem Amphipoda : Type I & Tipo II			
Ordem Cunlacea			
Ordem Ostrecoda			
<i>Aspidosiphon spp.</i>			
<i>Astropecten brasiliensis</i>			
<i>Astropecten marginatus</i>			
<i>Luidia senegalensis</i>			
<i>Cucumaria spp.</i>			
<i>Protankyra benedeni</i>			
<i>Microphiopholis atra</i>			
<i>Hemipholis elongata</i>			
<i>Mellita quinquiesperforata</i>			
<i>Encope emarginata</i>			
<i>Branchiostoma spp.</i>			
<i>Carcharhinus porosus</i>			
<i>Narcine brasiliensis</i>	Electric Eel		
<i>Dasyatis guttata</i>	Ray		
<i>Gymnura micrura</i>	Ray		
<i>Elops saurus</i>	Ladyfish		
<i>Opisthonema oglinum</i>	Sardine		
<i>Harengula clupeiola</i>	Sardine		
<i>Pellona harroweri</i>	Characinidae		
<i>Odontognathus mucronatus</i>			
<i>Anchoa spinifera</i>			
<i>Anchoa clupeioides</i>			
<i>Cetengraulis edentulus</i>			
<i>Lycengraulis grossidens</i>			
<i>Ophichthus parili</i>			

(12)

Scientific Name	Grope / English Name	Habitat Type	Status
<i>Gymnothorax ocellatus</i>	Moray		
<i>Bagre bagre</i>	Catfish		
<i>Bagre marinus</i>	Catfish		
<i>Sciadeichthys luniscutis</i>	Catfish		
<i>Notarius grandicassis</i>	Catfish		
<i>Thalassophryne spp.</i>			
<i>Ogcocephalus vespertilio</i>	Batfish		
<i>Phymelox scaber</i>			
<i>Prionotus punctatus</i>			
<i>Dactilopterus volitans</i>	Flying Fish		
<i>Xenomelaniris brasiliensis</i>	Atherine		
<i>Strongylura marina</i>	Needlefish		
<i>Holocentrus ascensionis</i>	Squirrel-fish		
<i>Centropomus parallelus</i>	Robalo		
<i>Centropomus pectinatus</i>	Robalo		
<i>Centropomus undecimalis</i>	Robalo		
<i>Rypticus spp.</i>			
<i>Epinephelus spp.</i>	Grouper		
<i>Caranx bartholomei</i>			
<i>Caranx latus</i>	Jurel		
<i>Caranx spp.</i>			
<i>Chloroscombrus chrysurus</i>	Mackeret Shad		
<i>Selene setapinis</i>	Moon Fish		
<i>Selene vomer</i>	Moon Fish		
<i>Oligoplites palometa</i>	Leather Jack		
<i>Oligoplites saliens</i>			
<i>Trachinotus goodii</i>	Pompano		
<i>Diapterus richii</i>	Mojarra		
<i>Diapterus lineatus</i>	Patao		
<i>Diapterus rhombeus</i>	Mojarra		
<i>Eucinostomus melanopterus</i>	Silver Jenny		
<i>Lutjanus griseus</i>	Lutjanidae		
<i>Lutjanus sunagris</i>	Lane Snapper		
<i>Genyatremus luteus</i>			
<i>Anisotremus surinamensis</i>	Seabream		
<i>Haemulon spp.</i>			
<i>Conodon nobilis</i>	Hogfish		
<i>Menticirrhus americanus</i>	King Whiting		
<i>Menticirrhus littoralis</i>	King Whiting		
<i>Paralichthys brasiliensis</i>	Corbina		
<i>Nebris microps</i>	Hake		
<i>Larimus breviceps</i>	Croaker		

(13)

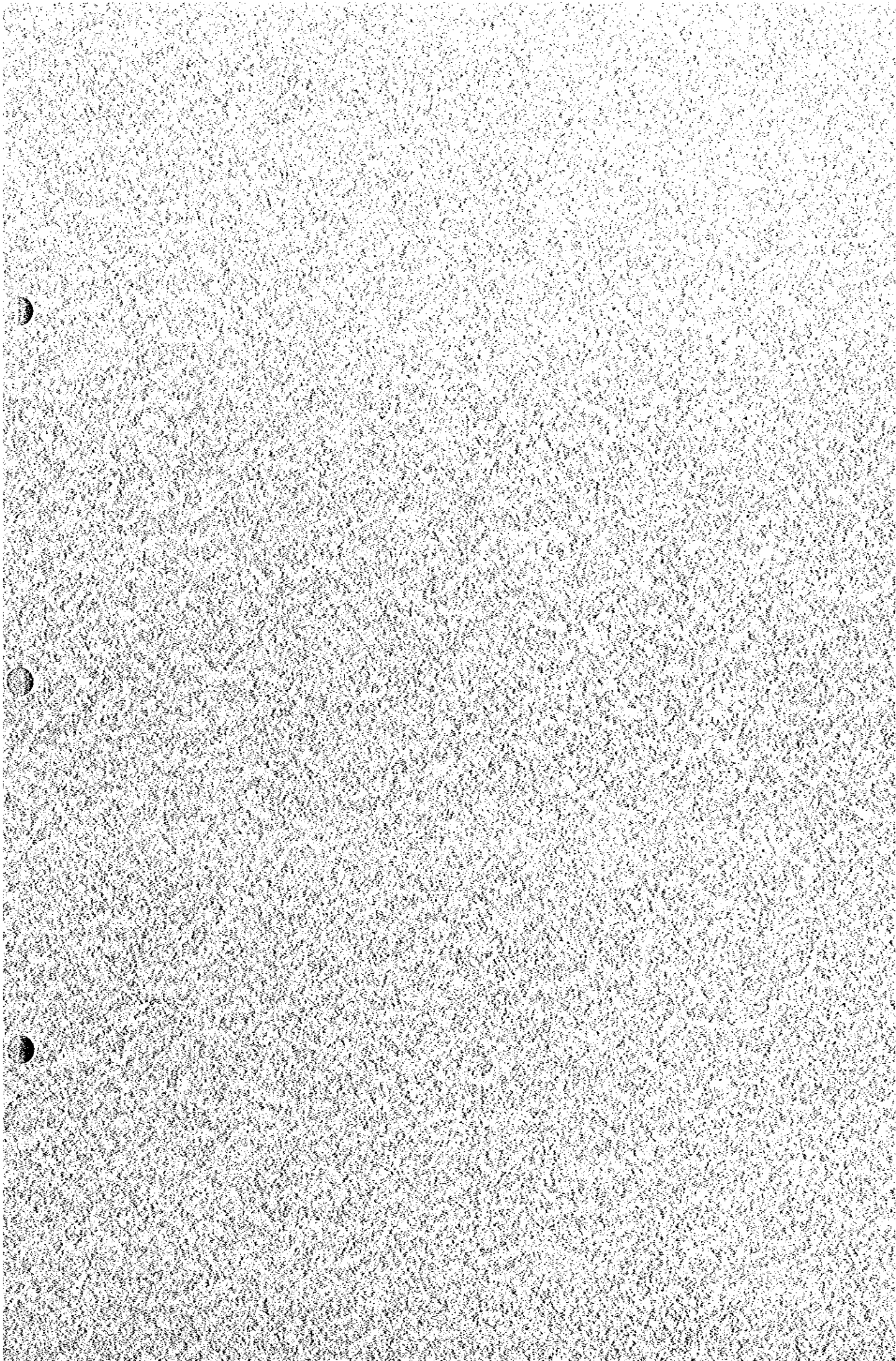
Scientific Name	Grope / English Name	Habitat Type	Status
<i>Isopisthus parvipinnis</i>	Weakfish		
<i>Cynoscion letarchus</i>	Hake		
<i>Cynoscion microlepidotus</i>	Hake		
<i>Cynoscion virescens</i>	Hake		
<i>Macrodon ancylodon</i>	Hake		
<i>Odontoscyon dentex</i>			
<i>Stellifer rastriifer</i>			
<i>Stellifer brasiliensis</i>			
<i>Stellifer spp.</i>			
<i>Stellifer naso</i>			
<i>Ophioscion punctatissimus</i>			
<i>Bairdiella ronchus</i>	Hogfish		
<i>Chaetodipterus faber</i>	Butterfly Fish		
<i>Mugil cf curema</i>	White Mullet		
<i>Mugil cf trichodon</i>	Mullet		
<i>Mugil cf liza</i>	Striped Mullet		
<i>Sphyræna guachancho</i>	Barracuda		
<i>Polydactylus virginicus</i>	Barbudo		
<i>Gobionellus spp.</i>			
<i>Chirolepis spp.</i>			
<i>Trichiurus lepturus</i>	Scabbard Fish		
<i>Scomberomorus regalis</i>			
<i>Peprilus paru</i>	Pompano		
<i>Scyæcium micrurum</i>	Amazonian Flounder		
<i>Citharichthys spilopterus</i>			
<i>Citharichthys arenaceus</i>			
<i>Achirus achirus</i>			
<i>Achirus microphthalmus</i>	Tonguefish		
<i>Achirus declivis</i>	Tonguefish		
<i>Symphurus plagusia</i>	Flounder		
<i>Lagocephalus laevigatus</i>	Globefish		
<i>Colomesus spp.</i>			
<i>Sphoeroides testudineus</i>	Globefish		
<i>Caretta caretta</i>	Turtle		
<i>Lepidochelys olivacea</i>			
<i>Eretmochelys imbricata</i>	Turtle		

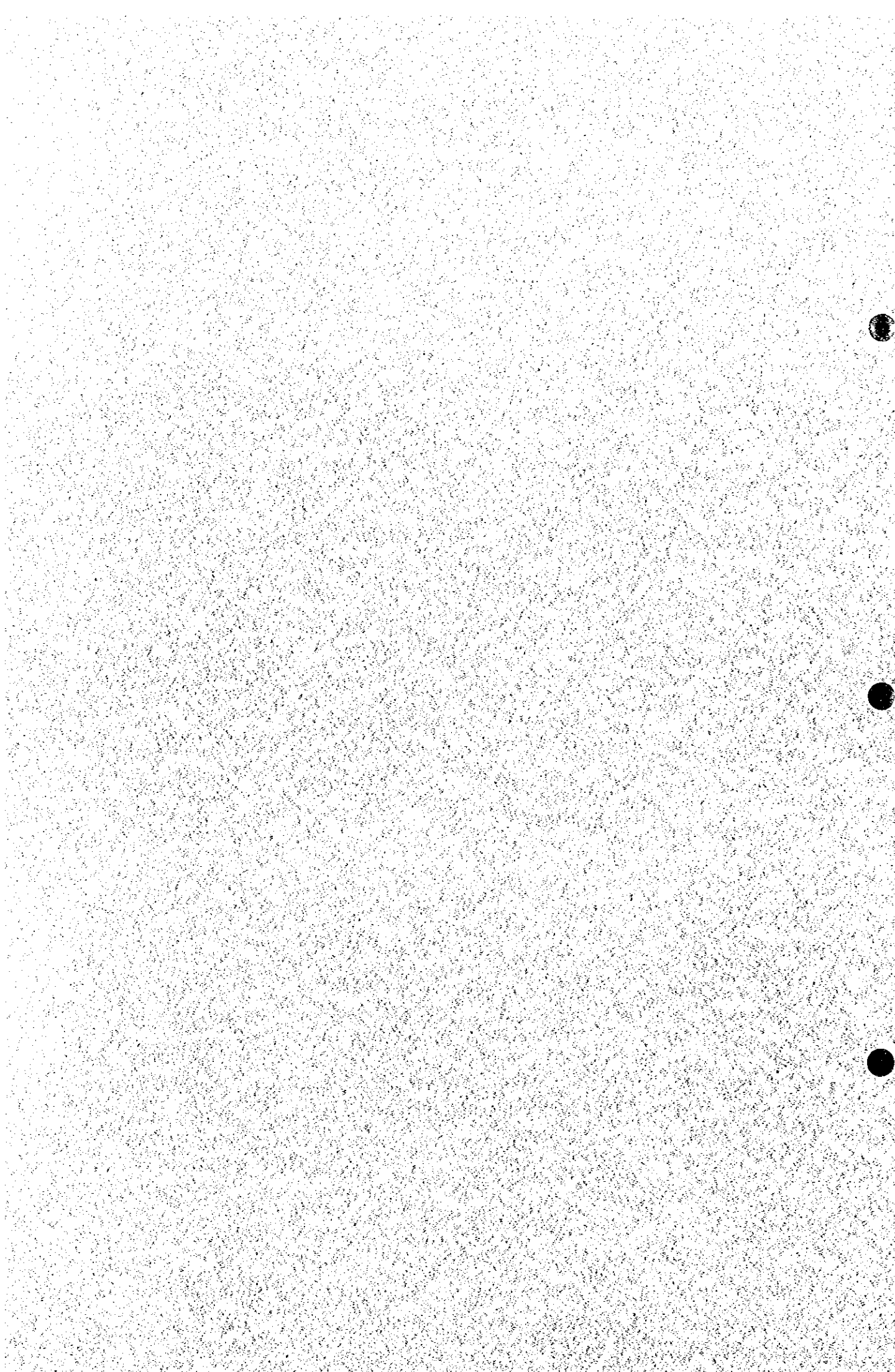
* : Aquatic Fauna in Sao Francisco River

(14)

Scientific Name	Grove / English Name	Habitat Type	Status
6. Arachnid			
<i>Lastodora Klug</i>	Bird-catching Spider	Forest, Grassland, Antrum	Indefinite
<i>Noctthrocteus spp.</i>	Spider	Forest, Grassland, Antrum	Indefinite
<i>Ancylometes spp.</i>	Spider	Forest, Grassland, Antrum	Indefinite
<i>Lycosa spp.</i>	Spider	Forest, Grassland, Antrum	Indefinite
<i>Ctenus spp.</i>	Spider	Forest, Grassland, Antrum	Indefinite
<i>Porrimula spp.</i>	Spider	Forest, Grassland, Antrum	Indefinite
<i>Tytilis spp.</i>	Scorpion	Forest, Grassland, Antrum	Indefinite
7. Insect			
<i>Apis spp.</i>	Bee	Forest, Grassland, Antrum	Indefinite
<i>Mellipna spp.</i>	Barbeiro	Antrum	Indefinite
<i>Triatoma spp.</i>	Walking Stick	Forest	Indefinite
<i>Phibalosoma phyllinurn</i>	Butterfly	Forest, Grassland, Antrum	Rare
<i>Phoebis spp.</i>	Dragonfly	River, Lake, Wetland Antrum	Indefinite
<i>Mialthyria marcella</i>	Beetle	Antrum	Indefinite
<i>Colosoma spp.</i>	Frog Hopper	Forest, Grassland, Antrum	Rare
<i>Aethalion reticulatum</i>	Frog Hopper	Antrum	Indefinite
<i>Tomaspi liturana</i>	White Ant	Forest, Grassland, Antrum	Indefinite
<i>Kaloterms spp.</i>	White Ant	Forest, Grassland, Antrum	Indefinite
<i>Nasutitermes rippetii</i>	White Ant	Forest, Grassland, Antrum	Indefinite
<i>Cornitermes spp.</i>		Forest, Grassland, Antrum	Indefinite
<i>Tantsia spp.</i>		Forest, Grassland, Antrum	Indefinite
<i>Chlorocoelus</i>	Ant	Forest, Grassland, Antrum	Indefinite
<i>Atta capiguara</i>	Ant	Forest, Grassland, Antrum	Indefinite
<i>Atta spp.</i>	Ant	Forest, Grassland, Antrum	Indefinite
<i>Acromyrmex spp.</i>	Ant	Forest, Grassland, Antrum	Indefinite
<i>Prenolepis fulva</i>	Cricket	Forest, Grassland, Antrum	Indefinite
<i>Gryllus spp.</i>	Ladybug	Forest, Grassland, Antrum	Indefinite
<i>Cylonedra sanguines</i>	Ladybug	Forest, Grassland, Antrum	Indefinite
<i>Seymnus spp.</i>	Amazonian Mosquito	Forest, Grassland, River, Lake, Wetland, Antrum	Indefinite
<i>Lutzomyia longipalpis</i>			Indefinite
<i>Thysania agrippina</i>	Moth	Forest, Grassland, Antrum	Indefinite
<i>Hymenoptera spp.</i>	Wasp	Forest, Antrum	Indefinite
<i>Apoica spp.</i>	Wasp	Forest, Antrum	Indefinite
<i>Anopheles spp.</i>	Mosquito	Forest, Antrum	Indefinite
<i>Aedes aegypti</i>	Mosquito	Forest, Antrum	Indefinite
<i>Culex spp.</i>	Mosquito	Forest, Antrum	Indefinite
<i>Tabanus spp.</i>	Horse-fly	Forest, Grassland, Antrum	Indefinite
<i>Musca domestica</i>	Fly	Antrum	Indefinite

Original Data: from ADEMA





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