

**SUPPLEMENTARY MATERIAL TABLE S1** | List of all sampling sites of the freshwater fish species in the São Francisco Interbasin Water Transfer Project basins in the Brazilian semiarid. ID = site number; OD = data source (1 = Primary and 2 = Secondary); APO = Apodi-Mossoró basin; JAG = Jaguaribe basin; PIA = Piranhas-Açu basin; PAR = Paraíba do Norte basin; SFRE = São Francisco Ecoregion (lower-middle São Francisco basin).

ID	Localities	OD	Basin	Longitude	Latitude
1	Apodi-Mossoró River, José da Penha, RN.	1	APO	-38.291222	-6.370556
2	Apodi-Mossoró River, Marcelino Vieira, RN.	1	APO	-38.247472	-6.298083
3	25 de Março Reservoir, Pau dos Ferros, RN.	1	APO	-38.216296	-6.111694
4	Apodi-Mossoró River, Marcelino Vieira, RN.	1	APO	-38.198333	-6.240333
5	Apodi-Mossoró River, downstream of Pau dos Ferros, RN.	1	APO	-38.186278	-6.142028
6	Apodi-Mossoró River, Governador Dix-Sept Rosado, RN.	1	APO	-38.185917	-6.130250
7	Pau dos Ferros Reservoir, Pau dos Ferros, RN.	1	APO	-38.165722	-6.188250
8	Apodi-Mossoró River, São Francisco do Oeste, RN.	1	APO	-38.161972	-5.998167
9	Apodi-Mossoró River, Taboleiro Grande, RN.	1	APO	-38.044417	-5.934333
10	Sóssego Reservoir, Serrinha dos Pintos, RN.	1	APO	-38.000000	-6.166667
11	Apodi-Mossoró River, Itaú, RN.	1	APO	-37.915722	-5.852833
12	Apodi-Mossoró River, Santa Cruz Reservoir (downstream), Apodi, RN.	1	APO	-37.771528	-5.658194
13	Apodi-Mossoró River, Apodi, RN.	1	APO	-37.763222	-5.698306
14	Apodi-Mossoró River, Apodi, RN.	1	APO	-37.759944	-5.723139
15	Apodi-Mossoró River, Felipe Guerra, RN.	1	APO	-37.675750	-5.576472
16	Apodi-Mossoró River, Pau dos Ferros, RN.	1	APO	-37.558639	-5.488167
17	Apodi-Mossoró River, Governador Dix-Sept Rosado, RN.	1	APO	-37.490000	-5.380083
18	Apodi-Mossoró River, Mossoró, RN.	1	APO	-37.385556	-5.289222
19	Apodi-Mossoró River, Mossoró, RN.	1	APO	-37.361639	-5.219167
20	Apodi-Mossoró River, Mossoró, RN.	1	APO	-37.330095	-5.196287
21	Carmo River, (downstream of water passage) Upanema, RN.	1	APO	-37.291056	-5.541056
22	Apodi-Mossoró River, Mossoró, RN.	1	APO	-37.285056	-5.154861
23	Públic Reservoir, Itaú, RN.	2	APO	-37.982829	-5.831717
24	Corredor Reservoir, Antônio Martins, RN.	2	APO	-37.952353	-6.186222
25	Gruta Reservoir, Martins, RN.	2	APO	-37.913611	-6.087231
26	Serrinha do Canto Reservoir, Martins, RN.	2	APO	-37.911100	-6.087780
27	Santa Cruz Reservoir, Apodi, RN.	2	APO	-37.801184	-5.669021
28	Santa Cruz Reservoir, Apodi, RN.	2	APO	-37.798900	-5.664170
29	Paulista Reservoir, Patu, RN.	2	APO	-37.643806	-6.106269
30	Apodi-Mossoró River, Mossoró, RN.	2	APO	-37.376119	-5.219502
31	Reservoir in Jaguaribe River, Arneiroz, CE.	1	JAG	-40.166361	-6.320444
32	Jucá Stream, Arneiroz, CE.	1	JAG	-40.133639	-6.348639
33	Paraiso Reservoir, Araripe, CE.	1	JAG	-40.129167	-7.199528
34	Jatobá Reservoir, Jatobá ranch, Araripe, CE.	1	JAG	-40.128222	-7.193889
35	Unnamed Reservoir in Umbuzeiro River, ESEC of Aiuaba, Aiuaba, CE.	1	JAG	-40.124611	-6.601889
36	Umbuzeiro River, São Nicolau reservoir (downstream), São Nicolau, CE.	1	JAG	-40.080306	-6.680222



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
37	Umbuzeiro River, downstream of Siricuti waterfall, São Nicolau, CE.	1	JAG	-40.076833	-6.693250
38	Jaguaribe River, Saboeiro, CE.	1	JAG	-39.910417	-6.541972
39	Downstream of Oiticica Reservoir, Mata Lagoon, Itatira, CE.	1	JAG	-39.685139	-4.676806
40	Temporary pool in the margin on highway for Iguatu, Jucás, CE.	1	JAG	-39.560083	-6.523167
41	Granjeiro River, Crato, CE.	1	JAG	-39.433020	-7.255190
42	Bom Sucesso Stream, Recanto village, Piquet Carneiro, CE.	1	JAG	-39.431886	-5.765865
43	Bom Sucesso Stream, Piquet Carneiro, CE.	1	JAG	-39.425045	-5.785500
44	Quincoê Stream, Acopiara, CE.	1	JAG	-39.421088	-6.058904
45	Araripe plateau, headwaters of the Saco do Machado Stream, Crato, CE.	1	JAG	-39.416668	-7.216667
46	Granjeiro River, tributary of the left bank of Salgado River, Crato, CE.	1	JAG	-39.416668	-7.166667
47	Headwaters of the Truçú River, Jaguaribe River basin, Iguatu, CE.	1	JAG	-39.415098	-6.269138
48	Caconde Stream, Jaguaribe River basin, Senador Pompeu, CE.	1	JAG	-39.413106	-5.649201
49	Constantino Stream, Salgado River basin, Crato, CE.	1	JAG	-39.393333	-7.266944
50	Currais stream, Salgado River basin, Crato, CE.	1	JAG	-39.388889	-7.270000
51	Outfall of Pajeú and Banabuiú rivers, Jaguaribe River, Senador Pompeu, CE.	1	JAG	-39.381096	-5.595452
52	Banabuiú River, Senador Pompeu, CE.	1	JAG	-39.351171	-5.561792
53	Truçú River, Jaguaribe River basin, Iguatu, CE.	1	JAG	-39.324592	-6.321633
54	Salamanca River, Barbalha, CE.	1	JAG	-39.310008	-7.335151
55	Quixeramobim River, Jaguaribe River basin, Quixeramobim, CE.	1	JAG	-39.293034	-5.202962
56	Olho D'água Stream, Missão Velha, CE.	1	JAG	-39.079722	-7.223917
57	Cuaré Stream, Quixadá, CE.	1	JAG	-39.064667	-5.141899
58	Jardins II Stream, Jati, CE.	1	JAG	-39.063056	-7.678611
59	Affluent of Manga Stream, Cedro, CE.	1	JAG	-39.040467	-6.631039
60	Machado Stream, Salgado River basin, Lavras da Mangabeira, CE.	1	JAG	-39.027889	-6.707139
61	Machado Stream (upstream), Salgado River basin, Lavras da Mangabeira, CE.	1	JAG	-39.027588	-6.706756
62	Boqueirão Stream, Abaiara, CE.	1	JAG	-39.020639	-7.364667
63	Porteiras Stream, Brejo Santo, CE.	1	JAG	-39.017083	-7.544333
64	Jardins I Stream, Jati, CE.	1	JAG	-39.008611	-7.685278
65	Camará Stream, Jaguaribe River basin, Quixadá, CE.	1	JAG	-39.007513	-4.913032
66	Machado River basin (downstream of dam), Lavras da Mangabeira, CE.	1	JAG	-38.991341	-6.719783
67	Unnamed River, on highway CE-060, Jaguaribe River basin, Quixadá, CE.	1	JAG	-38.990152	-4.823452
68	Cruzado River, Lavras de Mangabeira, CE.	1	JAG	-38.976139	-6.785639
69	Outfall of Camará and Barro Vermelho Streams, Quixadá, CE.	1	JAG	-38.963768	-4.912859



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
70	Barro Vermelho Stream, Quixadá, CE.	1	JAG	-38.963344	-4.910724
71	Lima Campos Stream, São João River basin, Lima Campos, CE.	1	JAG	-38.955317	-6.403806
72	Lima Campos Stream, Lima Campos Reservoir (downstream), Lima Campos, CE.	1	JAG	-38.954333	-6.405806
73	Orós Reservoir (downstream), Orós, CE.	1	JAG	-38.912583	-6.238556
74	Salgado River, Icó, CE.	1	JAG	-38.873056	-6.414944
75	Salgado River, Icó, CE.	1	JAG	-38.868500	-6.408028
76	Santana dam, Jaguaribe River basin, Jaguaribe, CE.	1	JAG	-38.652639	-5.807194
77	Jaguaribe River, Peixe Gordo Village, Tabuleiro do Norte, CE.	1	JAG	-38.197778	-5.227556
78	Jaguaribe River, Russas, CE.	1	JAG	-37.953510	-4.979536
79	Temporary pool of Jaguaribe River, Russas, CE.	1	JAG	-37.901139	-4.930028
80	Jaguaribe River, under bridge, Russas, CE.	1	JAG	-37.888972	-4.933806
81	Pedreira Stream, Jaguaribe River basin, Quixeramobim, CE.	2	JAG	-39.228556	-5.165337
82	Temporary pool, highway CE-060, Jaguaribe River basin, Quixadá, CE.	2	JAG	-39.136646	-5.122619
83	Parada Stream, highway CE-060, Jaguaribe River basin, Quixadá, CE.	2	JAG	-39.114358	-5.110220
84	Orós Reservoir, Orós, CE.	2	JAG	-38.956370	-6.264897
85	Temporary pool, 2,5km to North of the Limoeiro do Norte, CE.	2	JAG	-38.083333	-5.166660
86	Temporary pool, Russas, CE.	2	JAG	-37.907278	-4.961050
87	Unnamed Reservoir, São Sebastião do Umbuzeiro, PB.	1	PAR	-36.986667	-8.103833
88	Taperoá I Reservoir, Taperoá, PB.	1	PAR	-36.835833	-7.228889
89	São José dos Cordeiros Reservoir, São José dos Cordeiros, PB.	1	PAR	-36.806944	-7.382217
90	Cordeiro Reservoir (downstream), Congo, PB.	1	PAR	-36.675167	-7.813167
91	Escurinha Reservoir, Juazeirinho, PB.	1	PAR	-36.590165	-7.065706
92	Serra Branca Stream, Paraíba do Norte River basin, São João do Cariri, PB.	1	PAR	-36.580833	-7.429444
93	Taperoá River, Paraíba do Norte River basin, São João do Cariri, PB.	1	PAR	-36.530833	-7.393333
94	Namorados Reservoir, Paraíba do Norte River basin, São João do Cariri, PB.	1	PAR	-36.530000	-7.394000
95	Unnamed Reservoir, São Domingos do Cariri, PB.	1	PAR	-36.446333	-7.651167
96	Unnamed Reservoir, São Domingos do Cariri, PB.	1	PAR	-36.445000	-7.630000
97	Unnamed Reservoir, Barra Stream, São Domingos do Cariri, PB.	1	PAR	-36.425000	-7.595833
98	Soledade Reservoir, Soledade, PB.	1	PAR	-36.366667	-7.066667
99	Soledade Reservoir, Soledade, PB.	1	PAR	-36.347120	-7.068100
100	Marimbondo Reservoir, Sudoeste de Cabaceiras, PB.	1	PAR	-36.313833	-7.526833
101	Paraíba do Norte River, Bravo Farm, Cabaceiras, PB.	1	PAR	-36.285016	-7.486536
102	Unnamed Reservoir, Bravo Farm, 11Km South of Boa Vista, PB.	1	PAR	-36.241773	-7.287697



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
103	Paraíba do Norte River, Epitácio Pessoa dam (upstream), Boqueirão, PB.	1	PAR	-36.167667	-7.524333
104	Paraíba do Norte River, Epitácio Pessoa dam (downstream), Boqueirão, PB.	1	PAR	-36.123472	-7.486639
105	Unnamed Reservoir on highway BR104, Alcantil, PB.	1	PAR	-36.061444	-7.680277
106	São Pedro Stream, Caturité, PB.	1	PAR	-36.009610	-7.400720
107	Paraíba do Norte River, highway BR104, Barra de Santana, PB.	1	PAR	-35.998139	-7.529167
108	Catolé Stream, highway BR 104, Queimadas PB.	1	PAR	-35.915917	-7.455361
109	Industria CIRNE Reservoir, Campina Grande, PB.	1	PAR	-35.879167	-7.259667
110	Paraíba do Norte River, 4km a NW, highway PB408, Umbuzeiro, PB.	1	PAR	-35.747000	-7.657500
111	Paraíba do Norte River, highway PB408, NW of Umbuzeiro, Aroeiras, PB.	1	PAR	-35.708500	-7.641000
112	Paraíba do Norte River, 4km to West of bridge, highway PB408, Aroeiras, PB.	1	PAR	-35.708332	-7.640833
113	Paraíba do Norte River, NW of Umbuzeiro, Umbuzeiro, PB.	1	PAR	-35.685119	-7.641865
114	Ingá River, near Itaquatiara, Ingá, PB.	1	PAR	-35.585497	-7.324645
115	Natuba River, Natuba, PB.	1	PAR	-35.573167	-7.640000
116	Headwaters of Natuba River, Paraíba do Norte River basin, Natuba, PB.	1	PAR	-35.549667	-7.637000
117	Paraíba do Norte River, Tabocas Village, Salgado de São Felix, PB.	1	PAR	-35.541833	-7.426500
118	Camurim River, Dois Riachos Village, Mogeiro, PB.	1	PAR	-35.484000	-7.363500
119	Paraíba do Norte River, West of Salgado de São Félix, Mogeiro, PB.	1	PAR	-35.455167	-7.355167
120	Paraíba do Norte River, Unnamed Reservoir, upstream of Itabaiana, PB.	1	PAR	-35.355000	-7.333333
121	RPPN Pacatuba Farm, Sapé - PB	1	PAR	-35.270833	-7.072778
122	Gurinhem River, highway PB055, South of Sapé, Sobrado, PB.	1	PAR	-35.234167	-7.148500
123	Gurinhem River, Sobrado, PB.	1	PAR	-35.234165	-7.148333
124	Paraíba do Norte River, highway BR 230, São Miguel de Taipu, PB.	1	PAR	-35.187133	-7.190050
125	Pacatuba Reservoir (downstream), RPPN Pacatuba Farm, Sapé, PB.	1	PAR	-35.167500	-7.037222
126	Unnamed Stream on road of RPPN Pacatuba Farm, Sapé, PB.	1	PAR	-35.160833	-7.049722
127	Paraíba do Norte River, Sapé, PB.	1	PAR	-35.140500	-7.065000
128	Paraíba do Norte River, Cruz do Espírito Santo, PB.	1	PAR	-35.121610	-7.149300
129	Unnamed Stream near Cafundó Reservoir, São João plant, Santa Rita, PB.	1	PAR	-35.094778	-7.181056
130	Cafundó Reservoir, Santa Rita, PB.	1	PAR	-35.006500	-7.124167
131	Pereiro River, Bonito de Santa Fé, PB.	1	PIA	-38.509472	-7.270194
132	Piranhas-Açu River, São José de Piranhas, PB.	1	PIA	-38.491150	-7.105120
133	Piranhas-Açu River, Piranhas Velho Village, São José de Piranhas, PB.	1	PIA	-38.491139	-7.105111
134	Pau D'arco Reservoir, Bonito de Santa Fé, PB.	1	PIA	-38.485833	-7.358083



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
135	Piancó River, under bridge, Ibiara, PB.	1	PIA	-38.453389	-7.382139
136	Ibiara River, Ibiara, PB.	1	PIA	-38.405778	-7.502306
137	Piranhas-Açu River, West of Nazarezinho, PB.	1	PIA	-38.367833	-6.912167
138	Piancó River, Ibiara, PB.	1	PIA	-38.352861	-7.476028
139	São Gonçalo Reservoir, Marizópolis, PB.	1	PIA	-38.314528	-6.844056
140	Frade waterhole, Nazarezinho, PB.	1	PIA	-38.313000	-6.991500
141	Jatobá Stream, São José de Lagoa Tapada, PB.	1	PIA	-38.135222	-6.942333
142	Jatobá Reservoir, Jatobá Stream, São José de Lagoa Tapada, PB.	1	PIA	-38.128361	-6.940583
143	Peixe River, Aparecida, PB.	1	PIA	-38.086000	-6.785278
144	Piranhas-Açu River, Acauã Village, Aparecida, PB.	1	PIA	-38.083361	-6.810583
145	Mãe d'água River, Coremas, PB.	1	PIA	-37.984639	-7.017361
146	Mãe d'água River, West of Coremas, PB.	1	PIA	-37.981667	-7.015833
147	Unnamed Reservoir on highway BR426, Piancó, PB.	1	PIA	-37.969333	-7.194833
148	Piancó River, Coremas Reservoir (downstream), Coremas, PB.	1	PIA	-37.950000	-7.187833
149	Unnamed Reservoir, Seco Stream, highway PB325, Pombal, PB.	1	PIA	-37.814333	-6.688500
150	Piranhas-Açu River, Pombal, PB.	1	PIA	-37.786556	-6.720028
151	Piranhas-Açu River, Paulista, PB.	1	PIA	-37.620639	-6.587028
152	Maracujá Reservoir, highway BR361, Catingueira, PB.	1	PIA	-37.513833	-7.090667
153	Piranhas-Açu River, under bridge, São Bento, PB.	1	PIA	-37.445639	-6.480167
154	Espinharas River, Recanto Reservoir, Tamanduá Farm, Santa Terezinha, PB.	1	PIA	-37.391167	-7.005017
155	Espinharas River, Unnamed Reservoir, Serra Negra do Norte, RN.	1	PIA	-37.387083	-6.669917
156	Piranhas-Açu River, under bridge, Jardim Piranhas, RN.	1	PIA	-37.355028	-6.377861
157	Espinharas River, São José de Espinharas, PB.	1	PIA	-37.330278	-6.847556
158	2nd Reservoir in the Solidão Farm, near ESEC of Seridó, Serra Negra, RN.	1	PIA	-37.329194	-6.579667
159	Unnamed Reservoir on highway BR110, São José do Bonfim, PB.	1	PIA	-37.289000	-7.089000
160	Jatobá Reservoir, Patos, PB.	1	PIA	-37.271000	-7.062667
161	Unnamed Reservoir on ESEC of Seridó, Serra Negra, RN.	1	PIA	-37.255972	-6.579722
162	Temporary pool on highway BR 347, Serra Negra, RN.	1	PIA	-37.204778	-6.468667
163	Temporary pool on highway BR 347, Caicó, RN.	1	PIA	-37.179806	-6.440861
164	Seridó River, Poço dos Patos Farm, São Fernando, RN.	1	PIA	-37.178833	-6.306083
165	Cipó Stream, São João do Sabugi, RN.	1	PIA	-37.175233	-6.644283
166	Carnaúba dam (downstream), São José do Sabugi, RN.	1	PIA	-37.149194	-6.629111
167	Carnaúba dam (upstream), São João do Sabugi, RN.	1	PIA	-37.149167	-6.629944
168	Sabugi River, under bridge, Caicó, RN.	1	PIA	-37.139917	-6.447722
169	Seridó River, Santana's Island (upstream), Caicó, RN.	1	PIA	-37.086306	-6.457889



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
170	Seridó River, Caicó, RN.	1	PIA	-37.023828	-6.475100
171	Barroco Reservoir (downstream), highway BR-230, East of Santa Luzia, PB.	1	PIA	-36.963389	-6.895877
172	Santa Luzia Reservoir, Piranhas-Açu River basin, Santa Luzia, PB.	1	PIA	-36.926477	-6.871467
173	Freiras Reservoir (downstream), Santa Luzia, PB.	1	PIA	-36.922806	-6.869995
174	Armando Ribeiro Gonçalves dam, São Rafael, RN.	1	PIA	-36.920600	-5.799440
175	Cruzeta Reservoir, Cruzeta, RN.	1	PIA	-36.791167	-6.409333
176	Seridó River, Catureré dam (downstream), Jardim do Seridó, RN.	1	PIA	-36.782550	-6.608400
177	Acauã river, Acari, RN.	1	PIA	-36.637333	-6.441333
178	Gargalheiras Reservoir (downstream), Acari, RN.	1	PIA	-36.602278	-6.427056
179	Pilões Reservoir, Piranhas-Açu River basin, PB.	2	PIA	-38.521777	-6.678320
180	Umari Reservoir, Piranhas-Açu River, Riacho da Cruz, RN.	2	PIA	-37.942500	-5.937200
181	Bom Sucesso Stream, Bom Sucesso, PB.	2	PIA	-37.929400	-6.445000
182	Unnamed Reservoir, Tapuia Farm, Timbaúba dos Batistas, RN.	2	PIA	-37.274400	-6.465000
183	Recreio Reservoir, Caicó, RN.	2	PIA	-37.100570	-6.450744
184	Unnamed Reservoir, Tapera Farm, Caicó, RN.	2	PIA	-37.097800	-6.458330
185	Itans Reservoir, Caicó, RN.	2	PIA	-37.063810	-6.487178
186	Piató Lagoon, Açu, RN.	2	PIA	-36.952780	-5.531110
187	Jiqui Lagoon, Açu, RN.	2	PIA	-36.908600	-5.576670
188	Piranhas-Açu River, Alto do Rodrigues, RN.	2	PIA	-36.765813	-5.286275
189	Piranhas-Açu River, Pendências, RN.	2	PIA	-36.723736	-5.259464
190	São Francisco River, upstream of Petrolina, Petrolina, PE.	1	SFR	-40.577580	-9.453280
191	Tanque Reservoir, Nascente Village, Araripina, PE.	1	SFR	-40.533417	-7.533069
192	Barriguda Reservoir, Nascente Village, Araripina, PE.	1	SFR	-40.491611	-7.863611
193	Gergelim Reservoir, Gergelim Village, Araripina, PE.	1	SFR	-40.484306	-7.814000
194	Pitombeira Reservoir, Araripina, PE.	1	SFR	-40.479806	-7.830944
195	Conceição Stream, between Santa Filomena and Trindade, Araripina, PE.	1	SFR	-40.379722	-7.857500
196	São Pedro River, Nascente Village, Araripina, PE.	1	SFR	-40.349083	-7.816167
197	Miguel Afonso Reservoir, Nascente Village, Araripina, PE.	1	SFR	-40.343694	-7.818389
198	Unnamed Reservoir near São Pedro Stream, Nascente Village, Araripina, PE.	1	SFR	-40.343694	-7.801722
199	Unnamed Reservoir on São Pedro Stream, Ouricuri, PE.	1	SFR	-40.220275	-8.087499
200	São João Stream, Ouricuri, PE.	1	SFR	-40.171139	-7.836972
201	Praduá Stream, Ouricuri, PE.	1	SFR	-40.134028	-7.850111
202	Gravatá Stream, Bodocó, PE.	1	SFR	-39.907639	-7.962250
203	São Pedro Stream, Entremontes dam, Ouricuri, PE.	1	SFR	-39.896490	-8.230080
204	Unnamed Reservoir on Taboca Stream, Exú, PE.	1	SFR	-39.833610	-7.441670
205	Cacimba River, São Francisco River basin, Exú, PE.	1	SFR	-39.812500	-7.476111
206	Quixabá I Stream, Parnamirim, PE.	1	SFR	-39.765111	-8.014556



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
207	Quixabá II Stream, Parnamirim, PE.	1	SFR	-39.765083	-8.023833
208	Favela Stream, Parnamirim, PE.	1	SFR	-39.724000	-8.032694
209	Brígida River, Parnamirim, PE.	1	SFR	-39.603389	-8.108444
210	Brígida River, Chapéu Reservoir (downstream), Parnamirim, PE.	1	SFR	-39.565950	-7.994410
211	São Francisco River, Orocó, PE.	1	SFR	-39.464690	-8.562500
212	São Francisco River, Cabrobró, PE.	1	SFR	-39.454780	-8.545360
213	São Domingos Stream, Parnamirim, PE.	1	SFR	-39.429944	-8.096556
214	Alvorada Stream, Parnamirim, PE.	1	SFR	-39.399778	-8.084306
215	Unnamed Stream, under bridge on highway BR428, Cabrobró, PE.	1	SFR	-39.357420	-8.498850
216	Temporary pool on highway BR428, near Cabrobró, Cabrobró, PE.	1	SFR	-39.350380	-8.499510
217	Batateira Stream, Serrita, PE.	1	SFR	-39.337778	-7.805556
218	Terra Nova Stream, under bridge on highway BR422, Cabrobró, PE.	1	SFR	-39.240910	-8.541020
219	Formiga Stream, Salgueiro, PE.	1	SFR	-39.123028	-7.967278
220	Unnamed Stream, Salgueiro, PE.	1	SFR	-39.114056	-7.965167
221	Unnamed Stream III, Verdejante, PE.	1	SFR	-39.075806	-7.966694
222	Unnamed Stream II, Verdejante, PE.	1	SFR	-39.042306	-7.968222
223	São Francisco River, Belém de São Francisco, PE.	1	SFR	-38.967350	-8.759070
224	Unnamed Stream IV, Verdejante, PE.	1	SFR	-38.964750	-7.974306
225	Bom Nome Stream, São José do Belmonte, PE.	1	SFR	-38.746139	-7.979250
226	Temporary pool, highway BR-232, Pajeú River, Serra Talhada, PE.	1	SFR	-38.602944	-8.006278
227	Serrinha Stream, Serrinha Reservoir (downstream), Serra Talhada, PE.	1	SFR	-38.534444	-8.211500
228	Brígida Stream, São Francisco River basin, Exu, PE.	1	SFR	-38.518914	-8.583333
229	Unnamed Stream, Pajeú River, highway PE390, Floresta, PE.	1	SFR	-38.420389	-8.357139
230	Pajeú River, Floresta, PE.	1	SFR	-38.409944	-8.608389
231	Cachoeira Reservoir, Serra Talhada, PE.	1	SFR	-38.325306	-7.973083
232	Borborema Stream, Serra Talhada, PE.	1	SFR	-38.294583	-7.976611
233	Dr. José Alves Stream, Serra Talhada, PE.	1	SFR	-38.273528	-7.985806
234	Pajeú River, Jazigo Reservoir (downstream), Serra Talhada, PE.	1	SFR	-38.244778	-8.000528
235	Jazigo Reservoir, Pajeú River, Serra Talhada, PE.	1	SFR	-38.236722	-8.004306
236	Varzinha Reservoir, Varzinha Village, Serra Talhada, PE.	1	SFR	-38.119556	-8.033028
237	Barra do Juá Reservoir (downstream), Ibimirim, PE.	1	SFR	-38.075083	-8.461389
238	Serrinha Stream, Serra Talhada, PE.	1	SFR	-38.075083	-8.451139
239	Barra do Juá Reservoir (upstream), Ibimirim, PE.	1	SFR	-38.072583	-8.449583
240	Unnamed Stream, Custódia, PE.	1	SFR	-37.781139	-8.089556
241	Dédo Reservoir, Custódia, PE.	1	SFR	-37.765500	-8.091778
242	Moxotó River, under bridge, Ibimirim, PE.	1	SFR	-37.695083	-8.533111
243	Unnamed Stream, Ibimirim, PE.	1	SFR	-37.693722	-8.525889
244	Puiú Lagoon, PN Catimbau, Ibimirim, PE.	1	SFR	-37.462139	-8.603361



TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
245	Unnamed Reservoir, Pluta Stream, Algodões Village, Sertânia, PE.	1	SFR	-37.372306	-8.302111
246	Mel Stream, Sertânia, PE.	1	SFR	-37.370722	-8.417333
247	Pluta Stream, Algodões Village, Sertânia, PE.	1	SFR	-37.358750	-8.312056
248	Unnamed Stream, Pajeú River, São José do Egito, PE.	1	SFR	-37.271740	-7.484197
249	Unnamed Reservoir, Seco Stream, Sertânia, PE.	1	SFR	-37.255889	-8.380472
250	Unnamed Stream, under bridge on highway BR232, Arcoverde, PE.	1	SFR	-37.206527	-8.408611
251	Temporary pool on highway BR232, Moxotó River basin, Arcoverde, PE.	1	SFR	-37.164111	-8.409222
252	Malhada Stream, Arcoverde, PE.	1	SFR	-37.163370	-8.409130
253	Salobro Stream, under bridge on highway BR232, Arcoverde, PE.	1	SFR	-37.138500	-8.409639
254	Mel Stream, Arcoverde, PE.	1	SFR	-37.138490	-8.409640
255	Seco Stream on highway BR232, Arcoverde, PE.	1	SFR	-37.121611	-8.381111
256	"tanque" Reservoir, Melancia Stream, Afrânio, PE.	2	SFR	-40.892501	-8.466666
257	Salitre River, Lage Village, Poços de Doce, Campo Formoso, BA.	2	SFR	-40.766666	-10.300000
258	Unnamed Reservoir, tributary of Dormente Stream, Domentes, PE.	2	SFR	-40.731666	-8.458889
259	Salitre River, Juazeiro, BA.	2	SFR	-40.653906	-9.562128
260	"tanque" Reservoir, Medubim Stream, Dormentes, PE.	2	SFR	-40.646667	-8.507222
261	São Francisco River, Grande Island, Juazeiro, BA.	2	SFR	-40.518499	-9.412158
262	São Francisco River, Grande Island, Juazeiro, BA.	2	SFR	-40.516666	-9.416667
263	São Francisco River, Juazeiro, BA.	2	SFR	-40.515150	-9.406150
264	São Francisco River, Juazeiro, BA.	2	SFR	-40.500822	-9.410326
265	Temporary pool, Juazeiro, BA.	2	SFR	-40.438889	-9.423330
266	Temporary pool, Juazeiro, BA.	2	SFR	-40.424166	-9.458880
267	Unnamed Reservoir, Garças Stream, Dormentes, PE.	2	SFR	-40.422500	-8.515555
268	Unnamed Reservoir, Novo Stream, Ouricuri, PE.	2	SFR	-40.398887	-7.937777
269	Temporary pool on Gentil Stream, Santa Cruz, PE.	2	SFR	-40.322223	-8.241944
270	Boqueirão River, Juazeiro, BA.	2	SFR	-40.303875	-9.386658
271	Temporary pool, Lagoa Grande, PE.	2	SFR	-40.280277	-9.003889
272	Temporary pool, Maniçoba Village, Juazeiro, BA.	2	SFR	-40.277500	-9.170270
273	Unnamed Reservoir, Caboclo Stream, Santa Cruz, PE.	2	SFR	-40.256389	-8.206388
274	São Francisco River, Lagoa Grande, PE.	2	SFR	-40.236237	-9.052470
275	Cambão Lagoon, Lagoa Grande, PE.	2	SFR	-40.064286	-9.050428
276	Malhada Real Stream, Lagoa Grande, PE.	2	SFR	-40.027839	-9.029872
277	Temporary pool, 70km NW of Uaua Village, Juazeiro, BA.	2	SFR	-39.980000	-9.545833
278	Temporary pool, Juazeiro, BA.	2	SFR	-39.976969	-9.134911
279	Acari Stream, Juazeiro, BA.	2	SFR	-39.958364	-9.129431
280	Lócio Reservoir, Caracuí Stream, Bodocó, PE.	2	SFR	-39.957221	-7.796389
281	Curaçá River, Juazeiro, BA.	2	SFR	-39.937289	-9.115208





TABLE S1 | (Continued)

ID	Localities	OD	Basin	Longitude	Latitude
282	Temporary pool, Vinho road, Santa Maria da Boa vista, PE.	2	SFR	-39.923611	-8.869722
283	Garrote Lagoon, Santa Maria da Boa Vista, PE.	2	SFR	-39.905808	-8.886619
284	Curralinho Lagoon, Santa Maria da Boa Vista, PE.	2	SFR	-39.903669	-8.884258
285	Temporary Stream, Curaçá, BA.	2	SFR	-39.901578	-9.026658
286	Caraibas Lagoon, Santa Maria da Boa Vista, PE.	2	SFR	-39.894592	-8.912872
287	Barra Lagoon, Santa Maria da Boa Vista, PE.	2	SFR	-39.844719	-8.799839
288	"tanque" Reservoir, Alecrim Stream, Bodocó, PE.	2	SFR	-39.816665	-7.701111
289	Ananias River, Curaçá, BA.	2	SFR	-39.695883	-8.818456
290	Seco Stream, Curaçá, BA.	2	SFR	-39.654106	-8.770644
291	Brígida River, Orocó, PE.	2	SFR	-39.585708	-8.583117
292	Catolé Lagoon, Novo Stream, Moreilândia, PE.	2	SFR	-39.583889	-7.636944
293	Boa Esperança Stream, Curaçá, BA.	2	SFR	-39.543878	-8.660811
294	Bom Pastor Stream, Curaçá, BA.	2	SFR	-39.491811	-8.625386
295	Temporary pool, highway BA-210, Curaçá, BA.	2	SFR	-39.463333	-8.616110
296	Temporary pool, Curaçá, BA.	2	SFR	-39.463042	-8.615867
297	Temporary pool, Abaré, BA.	2	SFR	-39.403936	-8.643950
298	Traíra Stream, Cabrobó, PE.	2	SFR	-39.241169	-8.540781
299	São Francisco River, Barroca, Paulo Afonso, BA.	2	SFR	-38.236667	-9.368611
300	São Francisco River, Paulo Afonso, BA.	2	SFR	-38.225514	-9.373379
301	São Francisco River, behind fish Farm, Paulo Afonso, BA.	2	SFR	-38.218056	-9.370278
302	São Francisco River, behind fish Farm, Paulo Afonso, BA.	2	SFR	-38.214700	-9.406110
303	São Francisco River, Boi e Sucuri Balneario, Paulo Afonso, BA.	2	SFR	-38.212778	-9.396111
304	São Francisco River, Belvedere Park, Paulo Afonso, BA.	2	SFR	-38.207778	-9.443333
305	São Francisco River, Belvedere Park, Paulo Afonso, BA.	2	SFR	-38.207778	-9.391389
306	Sal Stream, Paulo Afonso, BA.	2	SFR	-38.160833	-9.446111

## Neotropical Ichthyology



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- **Silva MJ, Ramos TPA, Carvalho FR, Brito MFG, Ramos RTC, Rosa RS, Sánchez-Botero JI, Novaes JLC, Costa RS, Lima SMQ.** Freshwater fish richness baseline from the São Francisco Interbasin Water Transfer Project in the Brazilian Semiarid. *Neotrop Ichthyol.* 2020; 18(4):e200063. <https://doi.org/10.1590/1982-0224-2020-0063>