

## Supplementary Material to “Building knowledge to save species: 20 years of ichthyological studies in the Tocantins-Araguaia River basin”

**Supplementary file 2** - List of the enterprises in operation at the Tocantins-Araguaia River basin. All data collected from ABRAPCH (2020) and ANEEL (2020). Brazilian States: GO = Goiás, MA = Maranhão, MT = Mato Grosso, PA = Pará, and TO = Tocantins.

Enterprise	Sub-basin/Region	Latitude	Longitude	State	Operation
<b>Hydroelectric Plant Station (UHE)</b>					
Tucuruí	Lower Tocantins	-3,83159761	-49,64312078	PA	30 Dec 1984
São Domingos	Upper Tocantins, between Preto and Paranã rivers	-13,40603921	-46,3425652	GO	01 Jan 1991
Serra da Mesa	Upper Tocantins, Preto River	-13,83386362	-48,30485761	GO	30 Apr 1998
Luís Eduardo Magalhães (Lajeado)	Upper Tocantins, between Paranã and Sono rivers	-9,75735525	-48,37196007	TO	01 Dec 2001
Cana Brava	Upper Tocantins, between Preto and Paranã rivers	-13,40238714	-48,14332931	GO	22 May 2002
Peixe Angical	Upper Tocantins, between Paranã and Sono rivers	-12,23546655	-48,38636694	TO	27 Jun 2006
São Salvador	Upper Tocantins, between Preto and Paranã rivers	-12,80843539	-48,23817967	TO	06 Aug 2009
Estreito	Upper Tocantins, between Sono and Araguaia rivers	-6,58909741	-47,46648003	MA	29 Apr 2011
<b>Small Hydroelectric Central (PCH)</b>					
São Domingos (Torixoréu)	Upper Araguaia, Claro River	-16,29975976	-52,70750808	MT	03 Jan 1900
Alto Araguaia	Upper Araguaia, Claro River	-17,29828698	-53,21880855	MT	03 Jan 1900
Primavera	Araguaia River, Ilha do Bananal region	-15,38097678	-54,41218581	MT	03 Jan 1900

<b>Enterprise</b>	<b>Sub-basin/Region</b>	<b>Latitude</b>	<b>Longitude</b>	<b>State</b>	<b>Operation</b>
Salto Belo	Araguaia River, Ilha do Bananal region	-14,8690537	-53,3017543	MT	03 Jan 1900
Isamu Ikeda	Upper Tocantins, between Paranã and Sono rivers	-10,6988284	-47,79391384	TO	04 Nov 1982
Agro Trafo	Upper Tocantins, between Preto and Paranã rivers	-11,67652145	-46,67203207	TO	01 Jan 1992
Sobrado	Upper Tocantins, between Preto and Paranã rivers	-12,52844222	-46,26763358	TO	01 Jan 1994
Dianópolis	Upper Tocantins, between Paranã and Sono rivers	-11,4682099	-46,81484366	TO	01 Jan 1994
Diacal II	Upper Tocantins, between Preto and Paranã rivers	-11,73815897	-46,75283298	TO	01 Apr 1999
Cachoeira do Lavrinha	Upper Tocantins, Preto River	-15,51648955	-49,48522057	GO	16 Apr 2004
Santa Edwiges II	Upper Tocantins, between Preto and Paranã rivers	-14,35803916	-46,19796406	GO	09 Jan 2006
Riachão	Upper Tocantins, between Preto and Paranã rivers	-14,3063942	-46,19993359	GO	02 Nov 2006
Piranhas	Upper Araguaia, Claro River	-16,59156518	-51,80620284	GO	08 Dec 2006
Mosquitão	Upper Araguaia, Claro River	-16,34268538	-51,43903745	GO	27 Dec 2006
Riacho Preto	Upper Tocantins, between Preto and Paranã rivers	-11,95056948	-46,75549595	TO	04 Sep 2008
Lagoa Grande	Upper Tocantins, between Preto and Paranã rivers	-12,15242991	-46,81829746	TO	25 Sep 2008
Boa Sorte	Upper Tocantins, between Preto and Paranã rivers	-11,89098902	-46,77004967	TO	12 Nov 2008
Mambaí II	Upper Tocantins, between Preto and Paranã rivers	-14,68657907	-46,29914359	GO	28 Nov 2008
Santa Edwiges III	Upper Tocantins, between Preto and Paranã rivers	-14,37103608	-46,32097802	GO	08 Jan 2009
São Domingos II	Upper Tocantins, between Preto and Paranã rivers	-13,41219734	-46,36917247	GO	07 May 2009
Porto Franco	Upper Tocantins, between Preto and Paranã rivers	-11,81381511	-46,78458582	TO	14 Nov 2009
Areia	Upper Tocantins, between Preto and Paranã rivers	-11,69751664	-46,73671071	TO	25 Feb 2011
Galheiros I	Upper Tocantins, between Preto and Paranã rivers	-13,3956897	-46,3907091	GO	09 Nov 2012

<b>Enterprise</b>	<b>Sub-basin/Region</b>	<b>Latitude</b>	<b>Longitude</b>	<b>State</b>	<b>Operation</b>
Santo Antônio do Caiapó	Upper Araguaia, Claro River	-16,44150845	-51,39965576	GO	22 Dec 2012
Tamboril	Upper Araguaia, Claro River	-16,53527778	-51,48027778	GO	12 May 2015
Doido	Upper Tocantins, between Preto and Paranã rivers	-11,71088608	-46,75116652	TO	10 Oct 2015
Rênic	Upper Araguaia, Claro River	-16,4810847	-51,41695699	GO	10 Jun 2016
Piarucum	Upper Tocantins, between Preto and Paranã rivers	11°58'51,16"S	46°38'31,31"W	TO	30 Oct 2020
Água Limpa	Upper Tocantins, between Preto and Paranã rivers	-11,69161437	-46,70422058	TO	21 Dec 2010
<b>Hydraulic Power Plant (CGH)</b>					
Matula I	Araguaia River, Ilha do Bananal region	-15,43712601	-52,20220337	MT	03 Jan 1900
Mãe Benta	Upper Tocantins, Preto River	-14,80196254	-48,58973394	GO	03 Jan 1900
Ribeirão do Inferno	Upper Tocantins, Preto River	-15,83972222	-48,9225	GO	03 Jan 1900
Ponte Alta	Upper Tocantins, between Preto and Paranã rivers	-12,09754738	-46,48498661	TO	01 Jan 1948
Corujão	Lower Araguaia	-7,21242031	-48,23588673	TO	01 Jan 1948
Bagagem	Upper Tocantins, between Paranã and Sono rivers	-11,36904735	-47,57416109	TO	01 Jan 1950
Lageado	Upper Tocantins, between Paranã and Sono rivers	-9,8416277	-48,29313045	TO	08 May 1969
Lajes	Lower Araguaia	-6,78240997	-48,15111937	TO	01 Jun 1970
Do Candeeiro	Upper Araguaia, Claro River	-16,80581927	-52,76808033	GO	01 Jan 1980
Cachoeira da Onça	Upper Araguaia, Claro River	-16,72138408	-53,58803006	MT	01 Sep 1982
Taguatinga	Upper Tocantins, between Preto and Paranã rivers	-12,4694296	-46,44417879	TO	01 Jan 1983
Itaquerê I	Araguaia River, Ilha do Bananal region	-15,14462574	-53,49314957	MT	15 Jan 1984
Itaquerê II	Araguaia River, Ilha do Bananal region	-15,14380167	-53,48748303	MT	15 May 1985

<b>Enterprise</b>	<b>Sub-basin/Region</b>	<b>Latitude</b>	<b>Longitude</b>	<b>State</b>	<b>Operation</b>
Dona Assunta	Araguaia River, Ilha do Bananal region	-14,8639428	-53,29271234	MT	01 Jun 1994
WSA	Araguaia River, Ilha do Bananal region	-15,35853631	-53,39237896	MT	01 Oct 1994
Cachoeirinha	Upper Araguaia, Claro River	-15,88013968	-53,58648502	MT	01 May 1998
Fazendas Rancho Alegre e Caraibinha	Upper Tocantins, between Preto and Paranã rivers	-14,13953392	-47,20260472	GO	29 Apr 1999
Pé de Serra	Araguaia River, Ilha do Bananal region	-14,06616956	-52,28454386	MT	01 Oct 2001
Noidore	Araguaia River, Ilha do Bananal region	-14,86700723	-53,28450821	MT	30 Apr 2002
Fazenda Jedai	Upper Tocantins, between Paranã and Sono rivers	-10,48960489	-46,03885786	TO	01 Sep 2003
Desidério	Araguaia River, Ilha do Bananal region	-14,85817662	-53,29201441	MT	15 Aug 2009
Rio Suspiro	Araguaia River, Ilha do Bananal region	-15,0625	-53,94333333	MT	30 Oct 2010
Peixinho	Upper Tocantins, between Paranã and Sono rivers	-11,3487373	-46,92232422	TO	31 Dec 2010
Mateiros	Upper Tocantins, between Paranã and Sono rivers	-10,60151563	-46,21900011	TO	01 Jan 2011
Santa Rita do Araguaia	Upper Araguaia, Claro River	-17,32463518	-53,21571355	MT	01 Jan 2011
Matula	Araguaia River, Ilha do Bananal region	-14,92250641	-52,7416144	MT	01 May 2011
Araguainha	Upper Araguaia, Claro River	-16,98619919	-53,29172952	MT	01 Jul 2014
Piabanha do Tocantins	Upper Tocantins, between Preto and Paranã rivers	-11,92743307	-46,26913208	TO	14 Oct 2014
Galheiros	Araguaia River, Ilha do Bananal region	-15,11083043	-54,71781827	MT	21 Jan 2015
Alto Garças	Upper Araguaia, Claro River	-16,98002538	-53,28186814	MT	03 Feb 2015
Araguaia	Upper Araguaia, Claro River	-16,98527777	-53,28861112	MT	18 May 2015
Sirivera	Upper Tocantins, between Preto and Paranã rivers	-11,92472222	-46,27722222	TO	19 Jan 2016
Tapuias	Upper Tocantins, between Preto and Paranã rivers	-11,92676684	-46,27644277	TO	19 Jan 2016

<b>Enterprise</b>	<b>Sub-basin/Region</b>	<b>Latitude</b>	<b>Longitude</b>	<b>State</b>	<b>Operation</b>
Sucuri	Upper Tocantins, between Preto and Paranã rivers	-11,92795478	-46,31290741	TO	11 Apr 2018
Palmeiras	Upper Tocantins, between Preto and Paranã rivers	-11,93096813	-46,32911578	TO	18 May 2018
Buritirana	Upper Tocantins, between Preto and Paranã rivers	-11,92801211	-46,29102995	TO	01 Jan 2008