

Table 1. Column names of the individual dataset tables available in the *Global EPTO Database* and their explanations. The FRED link of each specific dataset is only included in the comprehensive tables of each order and of all orders. (FRED: IGB Freshwater Research and Environmental Database.)

<b>Column name</b>	<b>Column content</b>
<b>order_ID</b>	one of the E, P, T, O
<b>dataset_ID</b>	unique ID of the dataset of a given data source, e.g., 003
<b>occurrence_ID</b>	unique ID of the individual occurrence record, e.g., 000423769
<b>species</b>	species name (not taxonomically verified)
<b>genus</b>	genus name
<b>family</b>	family name
<b>order</b>	order name
<b>longitude</b>	longitude in decimal degrees, in WGS84
<b>latitude</b>	latitude in decimal degrees, in WGS84
<b>no_decimals_published</b>	number of decimal points of the coordinates that are published
<b>no_decimals_available</b>	number of decimal points of the coordinates that are available upon communication with the authors (could include more detailed coordinates)
<b>location_river</b>	locality or river of the observation record
<b>country</b>	country of the observation record
<b>sampling_day</b>	day of the observation
<b>month</b>	month of the observation
<b>year</b>	year of the observation
<b>source</b>	data source (e.g., name of original database)
<b>FRED_link-DOI</b>	dataset link to FRED, where all metadata is available, including dataset authors' names
<b>notes</b>	dataset authors' notes
<b>other_info</b>	additional information available upon communication with the authors, that might include physicochemical or hydrological characteristics of the sampling location, land cover, genus/species abundance or additional taxonomic information such as species and subspecies name

<b>cen_fl</b>	centroid flag, boolean. If '1', then the record is located in the centroid of a country that might be a placeholder for the exact location of the observation
<b>cap_fl</b>	capital flag, boolean. If '1', then the record is located in the capital of a country that might be a placeholder for the exact location of the observation
<b>coun_fl</b>	country flag, boolean. If '1', then the coordinates of the record do not match with the assigned country
<b>snapped</b>	boolean. If '1', then the original coordinates of the record, that fell into the sea, have been snapped to the closest sub-catchment
<b>subcatchment_ID</b>	unique ID of the sub-catchment where the record is located, based on the Hydrography90m (Amatulli et al., 2022)
<b>basin_D</b>	unique ID of the drainage basin where the record is located, based on the Hydrography90m (Amatulli et al., 2022)
<b>elevation</b>	elevation of the point of the record, in meters, based on the MERIT Hydro DEM (Yamazaki et al., 2019)