

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.)

Column name	Column content
order_ID	one of the E, P, T, O
dataset_ID	unique ID of the dataset of a given data source, e.g., 003
occurrence_ID	unique ID of the individual occurrence record, e.g., 000423769
species	species name (not taxonomically verified)
genus	genus name
family	family name
order	order name
longitude	longitude in decimal degrees, in WGS84
latitude	latitude in decimal degrees, in WGS84
no_decimals_published	number of decimal points of the coordinates that are published
no_decimals_available	number of decimal points of the coordinates that are available upon communication with the authors (could include more detailed coordinates)
location_river	locality or river of the observation record
country	country of the observation record
sampling_day	day of the observation
month	month of the observation
year	year of the observation
source	data source (e.g., name of original database)
FRED_link-DOI	dataset link to FRED, where all metadata is available, including dataset authors' names
notes	dataset authors' notes
cen_fl	centroid flag, boolean. If '1', then the coordinates represent the centroid of a country instead of the exact location of the observation
cap_fl	capital flag, boolean. If '1', then the coordinates belong to the capital of a country instead of the exact location of the

	observation
coun_fl	country flag, boolean. If '1', then the coordinates of the record do not match with the assigned country
snapped	boolean. If '1', then the original coordinates of the record, that fell into the sea, have been snapped to the closest sub-catchment
subcatchment_ID	unique ID of the sub-catchment where the record is located, based on the Hydrography90m (Amatulli et al., 2022)
basin_D	unique ID of the drainage basin where the record is located, based on the Hydrography90m (Amatulli et al., 2022)
elevation	elevation of the point of the record, in meters, based on the MERIT Hydro DEM (Yamazaki et al., 2019)
WDPA_protection_status	Status of the record's location based on the Protected Planet WDPA WD-OECM dataset, updated in November 2022 (UNEP-WCMC and IUCN, 2022). If "0", the record was not located in a protected area. If "1", the record was in a protected site. If "2", the record's location was protected on a date following the observation.
FEOW_ID	Freshwater Ecoregions of the World ID (Abell et al., 2008)