

**File S3. Suggested additional section for Blue Carbon associated metadata recording.** Modifications to the existing “data table” section in the metadata template from the Environmental Data Initiative (EDI) data portal are consistent with metadata recording suggestions in the Blue Carbon Manual [30].

**Source:** <https://environmentaldatainitiative.org/submit-your-data/>

## Blue carbon metadata table

*Attach this table to each raw metadata table submitted to the portal, indicating any associated graphical summaries (figures) or average values (tables).*

*Provide a “table name” and “table description”.*

*Each row in the below table describes one column in your data table.*

*Complete each row as follows:*

- **Column name:** *This name must be exactly as it appears in the dataset. Please avoid special characters (like & or \), dashes and spaces. Underscores are permissible. Do not begin a column name with a number.*
- **Description:** *Please give a specific definition of the column name. This can be lengthy.*
- **Unit:** *Identify units for all numeric variables. Please avoid special characters and describe units in this pattern: e.g. microSiemenPerCentimeter, microgramsPerLiter, absorptionPerMolePerCentimeter.*
- **Code explanation:** *If you use codes in your column, please explain in this way: e.g., LR=Little Rock Lake, A=Sample suspect, J=Nonstandard routine followed.*
- **Date format:** *Please tell us exactly how the date and time is formatted: e.g. dd/mm/yyyy hh:mm:ss plus the time zone and whether or not daylight savings was observed. ISO date format of YYYY-MM-DD or YYYY-MM-DD hh:mm:ss is preferred.*
- **Missing value code:** *If a code for ‘no data’ is used, please specify: e.g., -99999.*

**Table name:** Blue Carbon associated metadata

**Table description:** water physicochemical parameters and carbon mass levels associated with rhizobiome samples that were also analysed through amplicon sequencing approaches.

**Associated graphical summaries (figures):** Figure x, y, and z in {reference}.

**Associated average values (tables):** Table a, b, and c in {reference}.

Column name	Description	Unit / explanation / format	Code Date	Missing value code
Water temperature	Temperature of the water column	degreeCelsius /	nm	Blank / nm = not measured
Water pH	pH of the water column	None /	nm	Blank / nm = not measured
Water salinity	Salinity of the water column	practicalSalinityUnit /	nd	Blank / nd = not detected
Water conductivity	Conductivity of the water column	microSiemenPerCentimeter /	nd	Blank / nd = not detected
Dry bulk density	Sediment mass (weight) of the dry solids divided by the total volume of the wet sample	gramPerCubicCentimetre /	nm	Blank / nm = not measured
Inorganic carbon content	Inorganic carbon portion of the sediment sample, determined by acidification methods or elemental analysis	%		Blank / nm = not measured
Organic carbon content	Organic matter stock of the sediment sample, corrected for inorganic portion	%		Blank / nm = not measured