Database Entity-Relationship Diagram

TAXONOMY

tbl_taxa_synonyms
- PK synonym_id
- notes
- synonym
- reference_type

tbl_taxa_tree_families
- PK family_id
- I1 family_name
- FK1,I2 order_id

tbl_taxa_tree_orders
- PK,I1 order_id
- order_name
- sort_order

tbl_taxonomic_order_biblio
- PK,I2 taxonomic_order_biblio_id
- FK1,I1 biblio_id
- FK2,I3 taxonomic_order_system_id

tbl_taxa_tree_genera
- PK genus_id
- FK1,I1 family_id
- I2 genus_name

tbl_taxonomy_notes
- PK taxonomy_notes_id
- taxonomy_notes

tbl_taxonomic_order_systems
- PK,I1 taxonomic_order_system_id
- system_description
- system_name

tbl_taxa_tree_authors
- PK author_id
- I1 author_name

tbl_taxa_reference_specimens
- PK taxa_reference_specimen_id
- notes

tbl_taxa_tree_master
- PK taxon_id
- FK1,I1 author_id
- FK2,I2 genus_id
- species

tbl_taxonomic_order
- PK,I3 taxonomic_order_id
- FK1,I1 taxon_id
- I2 taxonomic_code
- FK2,I4 taxonomic_order_system_id

tbl_activity_types
- PK activity_type_id
- U2,U1 activity_type
- description

tbl_taxa_common_names
- PK taxon_common_name_id
- common_name
- FK1,I1 language_id
- FK2,I2 taxon_id

tbl_taxa_seasonality
- PK seasonality_id

tbl_species_association_types
- PK association_type_id
- U1,U2 association_type_name
- association_description

tbl_species_associations
- PK species_association_id
- associated_taxon_id
- referencing_type

tbl_taxa_images
- PK taxa_images_id
- image_name
- description
- image_location

tbl_taxa_measured_attributes
- PK measured_attribute_id
- attribute_measure
- attribute_type
- attribute_units
- data

ANALYSIS VALUES

tbl_value_types
- PK value_type_id
- U1 name
- base_type
- precision
- description

tbl_value_type_items
- PK value_type_item_id
- name
- description

tbl_analysis_categorical_values
- PK analysis_categorical_value_id
- value
- is_variant

tbl_value_classes
- PK value_class_id
- name
- description

tbl_analysis_numerical_ranges
- PK analysis_numerical_range_id
- value
- low_is_uncertain
- high_is_uncertain
- is_variant

tbl_analysis_taxon_counts
- PK analysis_taxon_count_id
- value

tbl_analysis_values
- PK analysis_value_id
- analysis_value
- boolean_value
- is_boolean
- is_uncertain
- is_undefined
- is_not_analyzed
- is_indeterminable
- is_anomaly

tbl_analysis_numerical_values
- PK analysis_numerical_value_id
- value
- is_variant

tbl_value_qualifier_symbols
- PK qualifier_symbol_id
- U1 symbol

tbl_analysis_identifiers
- PK analysis_identifier_id
- value

tbl_analysis_notes
- PK analysis_note_id
- value

tbl_analysis_integer_ranges
- PK analysis_integer_range_id
- low_value
- high_value
- low_is_uncertain
- high_is_uncertain
- is_variant

tbl_value_qualifiers
- PK qualifier_id
- U1 symbol
- description

tbl_units
- PK unit_id
- description
- U1,U2 unit_abbrev
- U3,U4 unit_name

tbl_analysis_value_dimensions
- PK analysis_value_dimension_id
- value

tbl_analysis_dating_ranges
- PK analysis_dating_range_id
- low_value
- high_value
- low_is_uncertain
- high_is_uncertain
- is_variant

tbl_age_types
- PK age_type_id
- age_type
- description

tbl_analysis_integer_values
- PK analysis_integer_value_id
- value
- is_variant

tbl_analysis_boolean_values
- PK analysis_boolean_value_id
- FK1,U1 analysis_value_id
- qualifier
- value

(Top left — RDB / Locations)

tbl_rdb
- PK rdb_id

tbl_locations
- PK location_id
- location_name
- FK1,I1 location_type_id
- default_lat_dd
- default_long_dd

tbl_location_types
- PK location_type_id
- description
- U1,U2 location_type

tbl_rdb_codes
- PK rdb_code_id
- rdb_category
- rdb_definition

tbl_rdb_systems
- PK rdb_system_id
- rdb_first_published
- rdb_system
- rdb_system_date
- rdb_version

SITE

tbl_site_locations
- PK site_location_id
- FK1,I1 location_id
- FK2,I2 site_id

tbl_site_natgridrefs
- PK site_natgridref_id
- natgridref

tbl_site_preservation_status
- PK site_preservation_status_id
- preservation_status_or_threat
- description
- assessment_type
- assessment_author_contact_id
- Evaluation_date

tbl_site_images
- PK site_image_id
- credit
- date_taken
- description
- image_location
- image_name

tbl_sites
- PK site_id
- altitude
- latitude_dd
- longitude_dd
- national_site_identifier
- site_description
- site_name
- site_location_accuracy

tbl_site_references
- PK site_reference_id
- FK2,U1 site_id
- FK1,U1 biblio_id

tbl_site_other_records
- PK site_other_records_id
- description

SAMPLE GROUPS

tbl_sample_group_notes
- PK sample_group_note_id
- note

tbl_sample_group_references
- PK sample_group_reference_id
- FK1,I1 biblio_id
- FK2,I2 sample_group_id

tbl_sample_group_descriptions
- PK sample_group_description_id
- group_description

tbl_sample_groups
- PK sample_group_id
- sample_group_name
- sample_group_description

tbl_lithology
- PK lithology_id
- depth_bottom
- depth_top
- description
- lower_boundary

tbl_sample_group_description_types
- PK sample_group_description_type_id
- U2,U1 type_name
- type_description

tbl_sample_group_sampling_contexts
- PK sampling_context_id
- sampling_context
- description
- sort_order

tbl_sample_group_description_type_sampling_contexts
- PK sample_group_description_type_sampling_context_id

tbl_sample_group_coordinates
- PK sample_group_position_id
- sample_group_position
- position_accuracy

tbl_sample_group_dimensions
- PK sample_group_dimension_id
- dimension_value

tbl_sample_group_images
- PK sample_group_image_id
- description
- image_location
- image_name

ECOCODE

tbl_ecocode_groups
- PK ecocode_group_id
- definition
- FK1,I1 ecocode_system_id
- I3,U1,U2,U3 name
- abbreviation

tbl_ecocode_systems
- PK ecocode_system_id
- FK1,I1 biblio_id
- definition
- I2,U1,U2 name
- notes

tbl_ecocode_definitions
- PK ecocode_definition_id
- abbreviation
- definition
- name
- notes
- sort_order

tbl_ecocodes
- PK ecocode_id
- FK1,I1 ecocode_definition_id
- FK2,I2 taxon_id

PROVENANCE

tbl_method_groups
- PK method_group_id
- description
- U1,U2 group_name

tbl_methods
- PK method_id
- description
- method_abbrev_or_alt_name
- method_name

tbl_contacts
- PK contact_id
- address_1
- address_2
- location_id
- email
- first_name
- last_name
- phone_number
- url

tbl_analysis_entity_prep_methods
- PK analysis_entity_prep_method_id
- FK1,I1 analysis_entity_id
- FK2,I2 method_id

AGES

tbl_analysis_entity_ages
- PK analysis_entity_age_id
- age
- age_older
- age_younger
- dating_specifier
- age_range

tbl_chronologies
- PK chronology_id
- age_model
- relative_age_type_id
- chronology_name
- date_prepared
- notes

RELATIVE DATINGS

tbl_relative_ages
- PK relative_age_id
- relative_age_name
- description
- c14_age_older
- c14_age_younger
- cal_age_older
- cal_age_younger
- notes
- abbreviation

tbl_relative_dates
- PK relative_date_id
- notes

tbl_relative_age_types
- PK relative_age_type_id
- U1,U2 age_type
- description

GEOCHRONOLOGY

tbl_geochronology
- PK geochron_id
- lab_number
- age
- error_older
- error_younger
- delta_13c
- notes

tbl_geochron_refs
- PK geochron_ref_id

tbl_dating_labs
- PK dating_lab_id
- international_lab_id
- lab_name
- country_id

tbl_dating_uncertainty
- PK dating_uncertainty_id
- description
- U2,U1 uncertainty

tbl_dating_material
- PK dating_material_id
- material_dated
- description

tbl_seasons
- PK season_id
- season_name
- U2,U1 season_type
- sort_order

tbl_season_types
- PK season_type_id
- description
- U1,U2 season_type

DATASET

tbl_dimensions
- PK dimension_id
- dimension_abbrev
- dimension_description
- dimension_name

tbl_colours
- PK colour_id
- U2,U1 colour_name
- rgb

tbl_dataset_masters
- PK master_set_id
- U1,U2 master_name
- master_notes
- url

tbl_dataset_submission_types
- PK submission_type_id
- submission_type
- description

tbl_datasets
- PK,FK3 master_set_id
- PK dataset_id
- FK2,I2 data_type_id
- FK4,I4 method_id
- FK1,I1 biblio_id
- FK6,I6 updated_dataset_id
- FK5,I5 project_id
- dataset_name

tbl_dataset_submissions
- PK dataset_submission_id
- date_submitted
- notes

tbl_dataset_contacts
- PK dataset_contact_id

tbl_record_types
- PK record_type_id
- U1,U2 record_type_name
- record_type_description

tbl_contact_types
- PK contact_type_id
- contact_type_name
- description

tbl_horizons
- PK horizon_id
- description
- horizon_name

tbl_image_types
- PK image_type_id
- description
- U1,U2 image_type

tbl_coordinate_method_dimensions
- PK coordinate_method_dimension_id
- limit_upper
- limit_lower

tbl_sample_location_type_sampling_contexts
- PK sample_location_type_sampling_context_id

tbl_analysis_entities
- PK analysis_entity_id
- FK2,I2 physical_sample_id
- FK1,I1 dataset_id

TAXA COUNTS

tbl_abundance_elements
- PK abundance_element_id
- element_name
- element_description

tbl_abundances
- PK abundance_id
- FK3,I3 taxon_id
- FK2,I2 analysis_entity_id
- FK1,I1 abundance_element_id
- abundance

tbl_abundance_ident_levels
- PK abundance_ident_level_id

tbl_identification_levels
- PK identification_level_id
- identification_level_abbrev
- identification_level_name
- notes

tbl_abundance_modifications
- PK abundance_modification_id
- FK1,I1 abundance_id
- FK2,I2 modification_type_id

tbl_modification_types
- PK modification_type_id
- U2,U1 modification_type_name
- modification_type_description

SAMPLE

tbl_sample_description_types
- PK sample_description_type_id
- U1,U2 type_name
- type_description

tbl_sample_descriptions
- PK sample_description_id
- description

tbl_sample_dimensions
- PK sample_dimension_id
- dimension_value

tbl_sample_coordinates
- PK sample_coordinate_id
- FK2,I2 physical_sample_id
- FK1,I1 coordinate_method_dimension_id
- measurement
- accuracy

tbl_sample_types
- PK sample_type_id
- U1,U2 type_name
- description

tbl_alt_ref_types
- PK alt_ref_type_id
- U1,U2 alt_ref_type
- description

tbl_physical_samples
- PK physical_sample_id
- FK3,I2 sample_group_id
- FK1,I1 alt_ref_type_id
- FK2,I3 sample_type_id
- sample_name
- date_sampled

tbl_sample_horizons
- PK sample_horizon_id
- FK1,I1 horizon_id
- FK2,I2 physical_sample_id

tbl_sample_description_sample_group_contexts
- PK sample_description_sample_group_context_id

tbl_sample_alt_refs
- PK sample_alt_ref_id
- U1 alt_ref
- alt_ref
- FK1,U1,I1 alt_ref_type_id
- FK2,I2,U1 physical_sample_id

tbl_sample_colours
- PK sample_colour_id

tbl_sample_notes
- PK sample_note_id
- FK1,I1 physical_sample_id
- note_type
- note

tbl_sample_images
- PK sample_image_id
- description
- image_location
- image_name

tbl_sample_locations
- PK sample_location_id
- location

tbl_sample_location_types
- PK sample_location_type_id
- location_type
- location_type_description

tbl_physical_sample_features
- PK physical_sample_feature_id
- FK1,I3,I1 feature_id
- FK2,I2 physical_sample_id

FEATURE

tbl_features
- PK feature_id
- FK1,I1 feature_type_id
- feature_name
- feature_description

tbl_feature_types
- PK feature_type_id
- feature_type_name
- feature_type_description

PROJECT

tbl_data_types
- PK data_type_id
- data_type_name
- definition

tbl_projects
- PK project_id
- U1 project_name
- project_abbrev_name
- description

tbl_project_types
- PK project_type_id
- U2,U1 project_type_name
- description

tbl_data_type_groups
- PK data_type_group_id
- U1,U2 data_type_group_name
- description

tbl_project_stages
- PK project_stage_id
- U1,U2 stage_name
- description

MEASURED VALUE

tbl_analysis_entity_dimensions
- PK analysis_entity_dimension_id
- dimension_value

tbl_measured_values
- PK measured_value_id
- FK1,I1 analysis_entity_id
- measured_value

tbl_measured_value_dimensions
- PK measured_value_dimension_id
- measured_value

Note:
- FKs are hidden (implicit)
- References not shown
- Data types are hidden
- Has taxa reference:
- Has bibliographic reference: