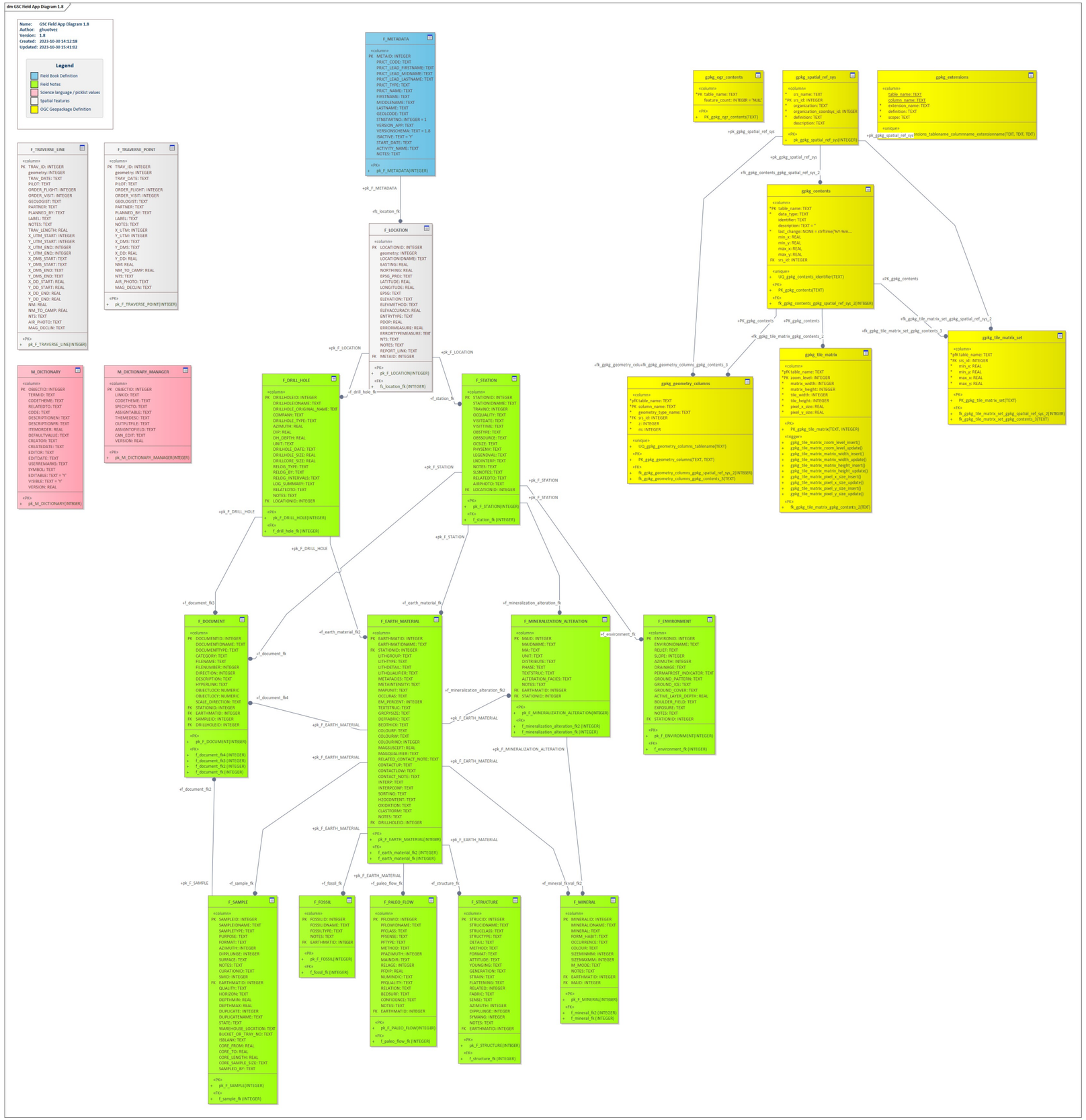
dm GSC Field App Diagram 1.8
Name: GSC Field App Diagram 1.8
Author: ghuotvez
Version: 1.8
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Legend
Field Book Definition
Field Notes
Science language / picklist values
Spatial Features
OGC Geopackage Definition
F_METADATA
«column»
PK METAID: INTEGER
PRJCT_CODE: TEXT
PRJCT_LEAD_FIRSTNAME: TEXT
PRJCT_LEAD_MIDNAME: TEXT
PRJCT_LEAD_LASTNAME: TEXT
PRJCT_TYPE: TEXT
PRJCT_NAME: TEXT
FIRSTNAME: TEXT
MIDDLENAME: TEXT
LASTNAME: TEXT
GEOLCODE: TEXT
STNSTARTNO: INTEGER = 1
VERSION_APP: TEXT
VERSIONDCHEMA: TEXT = 1.8
ISACTIVE: TEXT = 'Y'
START_DATE: TEXT
ACTIVITY_NAME: TEXT
NOTES: TEXT
«PK»
+ pk_F_METADATA(INTEGER)
+pk_F_METADATA
+fk_location_fk
F_TRAVERSE_LINE
«column»
PK TRAV_ID: INTEGER
geometry: INTEGER
TRAV_DATE: TEXT
PILOT: TEXT
ORDER_FLIGHT: INTEGER
ORDER_VISIT: INTEGER
GEOLOGIST: TEXT
PARTNER: TEXT
PLANNED_BY: TEXT
LABEL: TEXT
NOTES: TEXT
TRAV_LENGTH: REAL
X_UTM_START: INTEGER
Y_UTM_START: INTEGER
X_UTM_END: INTEGER
Y_UTM_END: INTEGER
X_DMS_START: TEXT
Y_DMS_START: TEXT
X_DMS_END: TEXT
Y_DMS_END: TEXT
X_DD_START: REAL
Y_DD_START: REAL
X_DD_END: REAL
Y_DD_END: REAL
NM: REAL
NM_TO_CAMP: REAL
NTS: TEXT
AIR_PHOTO: TEXT
MAG_DECLIN: TEXT
«PK»
+ pk_F_TRAVERSE_LINE(INTEGER)
F_TRAVERSE_POINT
«column»
PK TRAV_ID: INTEGER
geometry: INTEGER
TRAV_DATE: TEXT
PILOT: TEXT
ORDER_FLIGHT: INTEGER
ORDER_VISIT: INTEGER
GEOLOGIST: TEXT
PARTNER: TEXT
PLANNED_BY: TEXT
LABEL: TEXT
NOTES: TEXT
X_UTM: INTEGER
Y_UTM: INTEGER
X_DMS: TEXT
Y_DMS: TEXT
X_DD: REAL
Y_DD: REAL
NM: REAL
NM_TO_CAMP: REAL
NTS: TEXT
AIR_PHOTO: TEXT
MAG_DECLIN: TEXT
«PK»
+ pk_F_TRAVERSE_POINT(INTEGER)
F_LOCATION
«column»
PK LOCATIONID: INTEGER
geometry: INTEGER
LOCATIONDNAME: TEXT
EASTING: REAL
NORTHING: REAL
EPSG_PROJ: TEXT
LATITUDE: REAL
LONGITUDE: REAL
EPSG: TEXT
ELEVATION: TEXT
ELEVMETHOD: TEXT
ELEVACCURACY: REAL
ENTRYTYPE: TEXT
POOP: REAL
ERRORMEASURE: REAL
ERRORTYPEMEASURE: TEXT
NTS: TEXT
NOTES: TEXT
REPORT_LINK: TEXT
FK METAID: INTEGER
«PK»
+ pk_F_LOCATION(INTEGER)
«FK»
+ fk_location_fk (INTEGER)
+pk_F_LOCATION
+pk_F_LOCATION
+f_drill_hole_fk
+f_station_fk
M_DICTIONARY
«column»
PK OBJECTID: INTEGER
TERMID: TEXT
CODETHEME: TEXT
RELATEDTO: TEXT
CODE: TEXT
DESCRIPTIONEN: TEXT
DESCRIPTIONFR: TEXT
ITEMORDER: REAL
DEFAULTVALUE: TEXT
CREATOR: TEXT
CREATEDATE: TEXT
EDITOR: TEXT
EDITDATE: TEXT
USERREMARKS: TEXT
SYMBOL: TEXT
EDITABLE: TEXT = 'Y'
VISIBLE: TEXT = 'Y'
VERSION: REAL
«PK»
+ pk_M_DICTIONARY(INTEGER)
M_DICTIONARY_MANAGER
«column»
PK OBJECTID: INTEGER
LINKID: TEXT
CODETHEME: TEXT
SPECIFICTO: TEXT
ASSIGNTABLE: TEXT
THEMEDESC: TEXT
OUTPUTFILE: TEXT
ASSIGNTOFIELD: TEXT
CAN_EDIT: TEXT
VERSION: REAL
«PK»
+ pk_M_DICTIONARY_MANAGER(INTEGER)
F_DRILL_HOLE
«column»
PK DRILLHOLEID: INTEGER
DRILLHOLEIDNAME: TEXT
DRILLHOLE_ORIGINAL_NAME: TEXT
COMPANY: TEXT
DRILLHOLE_TYPE: TEXT
AZIMUTH: REAL
DIP: REAL
DH_DEPTH: REAL
UNIT: TEXT
DRILHOLE_DATE: TEXT
DRILLHOLE_SIZE: REAL
DRILLCORE_SIZE: REAL
RELOG_TYPE: TEXT
RELOG_BY: TEXT
RELOG_INTERVALS: TEXT
LOG_SUMMARY: TEXT
RELATEDTO: TEXT
NOTES: TEXT
FK LOCATIONID: INTEGER
«PK»
+ pk_F_DRILL_HOLE(INTEGER)
«FK»
+ f_drill_hole_fk (INTEGER)
F_STATION
«column»
PK STATIONID: INTEGER
STATIONIDNAME: TEXT
TRAVNO: INTEGER
OCCQUALITY: TEXT
VISITDATE: TEXT
VISITTIME: TEXT
OBSTYPE: TEXT
OBSSOURCE: TEXT
OCSIZE: TEXT
PHYSLENV: TEXT
LEGENDVAL: TEXT
LNDINTERP: TEXT
NOTES: TEXT
SLNOTES: TEXT
RELATEDTO: TEXT
AIRPHOTO: TEXT
FK LOCATIONID: INTEGER
«PK»
+ pk_F_STATION(INTEGER)
«FK»
+ f_station_fk (INTEGER)
+pk_F_STATION
+pk_F_STATION
+pk_F_STATION
+pk_F_STATION
+pk_F_DRILL_HOLE
+pk_F_DRILL_HOLE
+f_document_fk3
+f_earth_material_fk
+f_mineralization_alteration_fk
+f_earth_material_fk2
+f_document_fk
+f_document_fk4
+f_mineralization_alteration_fk2
+pk_F_EARTH_MATERIAL
+pk_F_EARTH_MATERIAL
+pk_F_MINERALIZATION_ALTERATION
+pk_F_EARTH_MATERIAL
+pk_F_EARTH_MATERIAL
+f_document_fk2
+pk_F_EARTH_MATERIAL
+pk_F_EARTH_MATERIAL
+pk_F_EARTH_MATERIAL
+pk_F_SAMPLE
+f_sample_fk
+f_fossil_fk
+f_paleo_flow_fk
+f_structure_fk
+f_mineral_fk
+f_mineral_fk2
F_DOCUMENT
«column»
PK DOCUMENTID: INTEGER
DOCUMENTIDNAME: TEXT
DOCUMENTTYPE: TEXT
CATEGORY: TEXT
FILENAME: TEXT
FILENUMBER: INTEGER
DIRECTION: INTEGER
DESCRIPTION: TEXT
HYPERLINK: TEXT
OBJECTLOCK: NUMERIC
OBJECTLOCK: NUMERIC
SCALE_DIRECTION: TEXT
FK STATIONID: INTEGER
FK EARTHMATID: INTEGER
FK SAMPLEID: INTEGER
FK DRILLHOLEID: INTEGER
«PK»
+ pk_F_DOCUMENT(INTEGER)
«FK»
+ f_document_fk4 (INTEGER)
+ f_document_fk3 (INTEGER)
+ f_document_fk2 (INTEGER)
+ f_document_fk (INTEGER)
F_EARTH_MATERIAL
«column»
PK EARTHMATID: INTEGER
EARTHMATIONAME: TEXT
FK STATIONID: INTEGER
LITHGROUP: TEXT
LITHTYPE: TEXT
LITHDETAIL: TEXT
LITHQUALIFIER: TEXT
METAFACIES: TEXT
METAINTENSITY: TEXT
MAPUNIT: TEXT
OCCURAS: TEXT
EM_PERCENT: INTEGER
TEXTSTRUC: TEXT
GRCRYSIZE: TEXT
DEFFABRIC: TEXT
BEDTHICK: TEXT
COLOUR: TEXT
COLOURW: TEXT
COLOURIND: INTEGER
MAGSUSCEPT: REAL
MAGQUALIFIER: TEXT
RELATED_CONTACT_NOTE: TEXT
CONTACTUP: TEXT
CONTACTLOW: TEXT
CONTACT_NOTE: TEXT
INTERP: TEXT
INTERPCONF: TEXT
SORTING: TEXT
H2OCONTENT: TEXT
OXIDATION: TEXT
CLASTFORM: TEXT
NOTES: TEXT
FK DRILLHOLEID: INTEGER
«PK»
+ pk_F_EARTH_MATERIAL(INTEGER)
«FK»
+ f_earth_material_fk2 (INTEGER)
+ f_earth_material_fk (INTEGER)
F_MINERALIZATION_ALTERATION
«column»
PK MAID: INTEGER
MAIDNAME: TEXT
MA: TEXT
UNIT: TEXT
DISTRIBUTE: TEXT
PHASE: TEXT
TEXTSTRUC: TEXT
ALTERATION_FACIES: TEXT
NOTES: TEXT
FK EARTHMATID: INTEGER
FK STATIONID: INTEGER
«PK»
+ pk_F_MINERALIZATION_ALTERATION(INTEGER)
«FK»
+ f_mineralization_alteration_fk2 (INTEGER)
+ f_mineralization_alteration_fk (INTEGER)
+f_environment_fk
F_ENVIRONMENT
«column»
PK ENVIRONID: INTEGER
ENVIRONIDNAME: TEXT
RELIEF: TEXT
SLOPE: INTEGER
AZIMUTH: INTEGER
DRAINAGE: TEXT
PERMAFROST_INDICATOR: TEXT
GROUND_PATTERN: TEXT
GROUND_ICE: TEXT
GROUND_COVER: TEXT
ACTIV_LAYER_DEPTH: REAL
BOULDER_FIELD: TEXT
EXPOSURE: TEXT
NOTES: TEXT
FK STATIONID: INTEGER
«PK»
+ pk_F_ENVIRONMENT(INTEGER)
«FK»
+ f_environment_fk (INTEGER)
F_SAMPLE
«column»
PK SAMPLEID: INTEGER
SAMPLEIDNAME: TEXT
SAMPLETYPE: TEXT
PURPOSE: TEXT
FORMAT: TEXT
AZIMUTH: INTEGER
DIPPLUNGE: INTEGER
SURFACE: TEXT
NOTES: TEXT
CURATIONID: TEXT
SMID: INTEGER
FK EARTHMATID: INTEGER
QUALITY: TEXT
HORIZON: TEXT
DEPTHMIN: REAL
DEPTHMAX: REAL
DUPLICATE: INTEGER
DUPLICATENAME: TEXT
STATE: TEXT
WAREHOUSE_LOCATION: TEXT
BUCKET_OR_TRAY_NO: TEXT
ISBLANK: TEXT
CORE_FROM: REAL
CORE_TO: REAL
CORE_LENGTH: REAL
CORE_SAMPLE_SIZE: TEXT
SAMPLED_BY: TEXT
«PK»
+ pk_F_SAMPLE(INTEGER)
«FK»
+ f_sample_fk (INTEGER)
F_FOSSIL
«column»
PK FOSSILID: INTEGER
FOSSILIDNAME: TEXT
FOSSILTYPE: TEXT
NOTES: TEXT
FK EARTHMATID: INTEGER
«PK»
+ pk_F_FOSSIL(INTEGER)
«FK»
+ f_fossil_fk (INTEGER)
F_PALEO_FLOW
«column»
PK PFLOWID: INTEGER
PFLOWIDNAME: TEXT
PFCLASS: TEXT
PFSENSE: TEXT
PFTYPE: TEXT
METHOD: TEXT
PFAZIMUTH: INTEGER
MAINDIR: TEXT
RELAGE: INTEGER
PFDIP: REAL
NUMINDG: TEXT
PFQUALITY: TEXT
RELATION: TEXT
BEDSURF: TEXT
CONFIDENCE: TEXT
NOTES: TEXT
FK EARTHMATID: INTEGER
«PK»
+ pk_F_PALEO_FLOW(INTEGER)
«FK»
+ f_paleo_flow_fk (INTEGER)
F_STRUCTURE
«column»
PK STRUCID: INTEGER
STRUCIDNAME: TEXT
STRUCLASS: TEXT
STRUCTYPE: TEXT
DETAIL: TEXT
METHOD: TEXT
FORMAT: TEXT
ATTITUDE: TEXT
YOUNGING: TEXT
GENERATION: TEXT
STRAIN: TEXT
FLATTENING: TEXT
RELATED: INTEGER
FABRIC: TEXT
SENSE: TEXT
AZIMUTH: INTEGER
DIPPLUNGE: INTEGER
SYMANG: INTEGER
NOTES: TEXT
FK EARTHMATID: INTEGER
«PK»
+ pk_F_STRUCTURE(INTEGER)
«FK»
+ f_structure_fk (INTEGER)
F_MINERAL
«column»
PK MINERALID: INTEGER
MINERALIDNAME: TEXT
MINERAL: TEXT
FORM_HABIT: TEXT
OCCURRENCE: TEXT
COLOUR: TEXT
SIZEMINNM: INTEGER
SIZEMAXNM: INTEGER
M_MODE: TEXT
NOTES: TEXT
FK EARTHMATID: INTEGER
FK MAID: INTEGER
«PK»
+ pk_F_MINERAL(INTEGER)
«FK»
+ f_mineral_fk2 (INTEGER)
+ f_mineral_fk (INTEGER)
gpkg_ogr_contents
«column»
*PK table_name: TEXT
feature_count: INTEGER = NULL
«PK»
+ PK_gpkg_ogr_contents(TEXT)
gpkg_spatial_ref_sys
«column»
* srs_name: TEXT
*PK srs_id: INTEGER
* organization: TEXT
* organization_coordsys_id: INTEGER
* definition: TEXT
description: TEXT
«PK»
+ pk_gpkg_spatial_ref_sys(INTEGER)
gpkg_extensions
«column»
table_name: TEXT
column_name: TEXT
* extension_name: TEXT
* definition: TEXT
* scope: TEXT
«unique»
+ UQ_gpkg_extensions_tablename_columnname_extensionname(TEXT, TEXT, TEXT)
+pk_gpkg_spatial_ref_sys
+pk_gpkg_spatial_ref_sys
+fk_gpkg_contents_gpkg_spatial_ref_sys_2
gpkg_contents
«column»
*PK table_name: TEXT
* data_type: TEXT
identifier: TEXT
description: TEXT = ''
* last_change: NONE = strftime('%Y-%m...
min_x: REAL
min_y: REAL
max_x: REAL
max_y: REAL
FK srs_id: INTEGER
«unique»
+ UQ_gpkg_contents_identifier(TEXT)
«PK»
+ PK_gpkg_contents(TEXT)
«FK»
+ fk_gpkg_contents_gpkg_spatial_ref_sys_2(INTEGER)
+PK_gpkg_contents
+PK_gpkg_contents
+PK_gpkg_contents
+fk_gpkg_tile_matrix_set_gpkg_spatial_ref_sys_2
+fk_gpkg_tile_matrix_set_gpkg_contents_3
+fk_gpkg_tile_matrix_gpkg_contents_2
+fk_gpkg_geometry_colu+fk_gpkg_geometry_columns_gpkg_contents_3
gpkg_tile_matrix_set
«column»
*pfk table_name: TEXT
*FK srs_id: INTEGER
* min_x: REAL
* min_y: REAL
* max_x: REAL
* max_y: REAL
«PK»
+ PK_gpkg_tile_matrix_set(TEXT)
«FK»
+ fk_gpkg_tile_matrix_set_gpkg_spatial_ref_sys_2(INTEGER)
+ fk_gpkg_tile_matrix_set_gpkg_contents_3(TEXT)
gpkg_tile_matrix
«column»
*pfK table_name: TEXT
*FK zoom_level: INTEGER
* matrix_width: INTEGER
* matrix_height: INTEGER
* tile_width: INTEGER
* tile_height: INTEGER
* pixel_x_size: REAL
* pixel_y_size: REAL
«PK»
+ PK_gpkg_tile_matrix(TEXT, INTEGER)
«trigger»
+ gpkg_tile_matrix_zoom_level_insert()
+ gpkg_tile_matrix_zoom_level_update()
+ gpkg_tile_matrix_matrix_width_insert()
+ gpkg_tile_matrix_matrix_width_update()
+ gpkg_tile_matrix_matrix_height_insert()
+ gpkg_tile_matrix_matrix_height_update()
+ gpkg_tile_matrix_pixel_x_size_insert()
+ gpkg_tile_matrix_pixel_x_size_update()
+ gpkg_tile_matrix_pixel_y_size_insert()
+ gpkg_tile_matrix_pixel_y_size_update()
«FK»
+ fk_gpkg_tile_matrix_gpkg_contents_2(TEXT)
gpkg_geometry_columns
«column»
*pfK table_name: TEXT
*FK column_name: TEXT
* geometry_type_name: TEXT
*FK srs_id: INTEGER
z: INTEGER
* m: INTEGER
«unique»
+ UQ_gpkg_geometry_columns_tablename(TEXT)
«PK»
+ PK_gpkg_geometry_columns(TEXT, TEXT)
«FK»
+ fk_gpkg_geometry_columns_gpkg_spatial_ref_sys_2(INTEGER)
+ fk_gpkg_geometry_columns_gpkg_contents_3(TEXT)