



| locationplace  |
|--|
| locationplace_id<br>location_id<br>placepath_id<br>identifier_id |

| placepath  |
|--|
| placepath_id<br>creator_id<br>placecode<br>canon_placepath_id<br>place_id<br>continent<br>country<br>stateprovince<br>county<br>municipality<br>site<br>otherranks |

| place  |
|--|
| place_id<br>parent_id<br>rank<br>placename<br>placecode<br>placedescription<br>accessioncode |

| locationcoords  |
|---|
| locationcoords_id<br>location_id<br>latitude_deg<br>longitude_deg<br>verbatimlatitude<br>verbatimlongitude<br>verbatimcoordinates<br>footprintgeometry_dwc<br>coordsaccuracy_deg<br>5 more... |

| location  |
|---|
| location_id<br>creator_id<br>sourceaccessioncode<br>parent_id<br>authorlocationcode<br>confidentialitystatus<br>confidentialityreason<br>sublocationxposition_m<br>sublocationyposition_m<br>authorzone<br>authordatum<br>authorlocation<br>locationnarrative<br>azimuth<br>shape<br>area_m2<br>standsize<br>placementmethod<br>permanence<br>layoutnarrative<br>23 more... |

| userdefined  |
|--|
| userdefined_id<br>userdefinedname<br>userdefinedmetadata<br>userdefinedcategory<br>userdefinedtype<br>tablename<br>accessioncode |

| definedvalue  |
|---|
| definedvalue_id<br>userdefined_id<br>tablerecord_id<br>definedvalue |

| project   |
|---|
| project_id<br>creator_id<br>sourceaccessioncode<br>projectname<br>projectdescription<br>startdate<br>stopdate<br>d_obscount<br>d_lastlocationaddeddate<br>accessioncode |

| locationevent  |
|--|
| locationevent_id<br>creator_id<br>sourceaccessioncode<br>parent_id<br>location_id<br>project_id<br>method_id<br>temperature_c<br>precipitation_m<br>64 more... |

| soilobs   |
|---|
| soilobs_id<br>locationevent_id<br>horizon<br>description<br>depthtop_m<br>depthbottom_m<br>color<br>texture<br>organic_fraction<br>sand_fraction<br>silt_fraction<br>clay_fraction<br>coarse_fraction<br>ph<br>acidity_fraction<br>basesaturation_fraction<br>cationexchangecapacity_cmol_kg<br>conductivity<br>carbon_fraction<br>phosphorus_fraction<br>potassium_fraction<br>4 more... |

| definedvalue  |
|---|
| definedvalue_id<br>userdefined_id<br>tablerecord_id<br>definedvalue |

https://projects.nceas.ucsb.edu/nceas/projects/bien/wiki/VegBIEN\_schema

| stratum   |
|---|
| stratum_id<br>locationevent_id<br>stratumheight<br>stratumbase<br>stratumcover<br>2 more... |

| taxonoccurrence   |
|---|
| taxonoccurrence_id<br>creator_id<br>sourceaccessioncode<br>locationevent_id<br>authortaxoncode<br>verbatimcollectorname<br>growthform<br>iscultivated<br>cultivatedbasis<br>isnative<br>accessioncode |

| voucher  |
|--|
| voucher_id<br>taxonoccurrence_id<br>specimenreplicate_id |

| taxondetermination   |
|--|
| taxondetermination_id<br>taxonoccurrence_id<br>taxonconcept_id<br>party_id<br>role<br>determinationtype<br>reference_id<br>isoriginal<br>iscurrent<br>taxonfit<br>taxonconfidence<br>groupotype<br>notes<br>notespublic<br>notesmtg<br>revisions<br>determinationdate<br>accessioncode |

| methodtaxonclass   |
|--|
| methodtaxonclass_id<br>method_id<br>taxonconcept_id<br>included<br>submethod_id<br>taxonclass<br>accessioncode |

aggregateoccurrence

| aggregateoccurrence  |
|--|
| aggregateoccurrence_id<br>creator_id<br>sourceaccessioncode<br>taxonoccurrence_id<br>collectiondate<br>cover_fraction<br>linecover_m<br>basalarea_m2<br>biomass_kg_m2<br>inferencearea_m2<br>count<br>stratum_id<br>coverindex_id<br>occurrencestatus_dwc<br>method_id<br>notes<br>accessioncode |

| taxonconcept  |
|---|
| taxonconcept_id<br>creator_id<br>identifyingtaxonomicname<br>canon_taxonconcept_id<br>parent_id<br>taxonname<br>rank<br>verbatimrank<br>taxonomicname<br>author<br>taxonomicnamewithauthor<br>domain<br>kingdom<br>phylum<br>class<br>order<br>family<br>genus<br>species<br>subspecies<br>variety<br>forma<br>cultivar<br>description<br>accessioncode |

| method  |
|---|
| method_id<br>reference_id<br>name<br>description<br>diameterheight_m<br>mindiameter_m<br>maxdiameter_m<br>minheight_m<br>maxheight_m<br>observationtype<br>observationmeasure<br>covermethod_id<br>samplingfactor<br>coverbasis<br>stemsamplemethod<br>shape<br>length_m<br>width_m<br>radius_m<br>area_m2<br>samplearea_m2<br>subplotspacing_m<br>subplotmethod_id<br>pointsperline<br>accessioncode |

| stemobservation   |
|---|
| stemobservation_id<br>creator_id<br>sourceaccessioncode<br>plantobservation_id<br>authorstemcode<br>tag<br>tags<br>xposition_m<br>yposition_m<br>diameterbreastheight_m<br>basaldiameter_m<br>diameteraccuracy_m<br>heightfirstbranch_m<br>heightaccuracy_m<br>health<br>age<br>accessioncode |

| specimenreplicate  |
|--|
| specimenreplicate_id<br>creator_id<br>sourceaccessioncode<br>plantobservation_id<br>institution_id<br>collectioncode_dwc<br>catalognumber_dwc<br>description<br>specimen_id<br>accessioncode |

| specimen    |
|-------------|
| specimen_id |

v Other

