



https://projects.nceas.ucsb.edu/projects/bien/wiki/VegBIEN_schema

Legend

- location
- event
- plant
- occurrence
- specimen
- analytical
- determination
- misc
- party
- method
- reference
- community

coordinates

- coordinates_id
- source_id
- latitude_deg
- longitude_deg
- verbatimlatitude
- verbatimlongitude
- verbatimcoordinates
- footprintgeometry_dwc
- coordsaccuracy_m

place

- place_id
- source_id
- canon_place_id
- matched_place_id
- coordinates_id
- placename_id
- continent
- country
- stateprovince
- county
- description
- geovalid
- distance_to_country_m
- distance_to_state_m
- distance_to_county_m

placename

- placename_id
- parent_id
- rank
- placename

location

- location_id
- source_id
- sourceaccessioncode
- top_plot
- parent_id
- authorlocationcode
- place_id
- accesslevel
- accessconditions
- sublocationxposition_m
- sublocationyposition_m
- iscultivated
- authorzone
- authordatum
- authorlocation
- locationnarrative
- azimuth
- shape
- area_m2
- standsized
- placementmethod
- permanence
- layoutnarrative
- elevation_m
- elevationaccuracy_m
- elevationrange_m
- verbatimerelevation
- slopeaspect_deg
- minslopeaspect_deg
- maxslopeaspect_deg
- slopegradient_fraction
- minslopegradient_frac...
- maxslopegradient_frac...
- 12 more...

locationplace

- locationplace_id
- location_id
- place_id
- identifier_id

projectcontributor

- projectcontributor_id
- project_id
- party_id
- role

project

- project_id
- source_id
- sourceaccessioncode
- projectname
- projectdescription
- startdate
- stopdate

locationevent

- locationevent_id
- source_id
- sourceaccessioncode
- parent_id
- location_id
- project_id
- stratum_id
- authoreventcode
- previous_id
- obsstartdate
- obsenddate
- dateaccuracy
- method_id
- temperature_c
- precipitation_m
- autotaxoncover
- 60 more...

soilsample

- soilsample_id
- locationevent_id
- horizon
- description
- depthtop_m
- depthbottom_m
- color
- texture
- organic_fraction
- sand_fraction
- silt_fraction
- clay_fraction
- coarse_fraction
- ph
- acidity_fraction
- basesaturation_fraction
- cationexchangecapacity_cm...
- 7 more...

stratum

- stratum_id
- source_id
- stratumname
- stratumheight
- stratumbase
- stratumcover
- area
- method_id

taxonoccurrence

- taxonoccurrence_id
- source_id
- sourceaccessioncode
- locationevent_id
- authortaxoncode
- collector_id
- growthform
- iscultivated
- cultivatedbasis
- isnative

trait

- trait_id
- taxonoccurrence_id
- name
- value
- units

taxondetermination

- taxondetermination_id
- taxonoccurrence_id
- source_id
- taxonverbatim_id
- party_id
- role
- determinationtype
- reference_id
- isoriginal
- iscurrent_verbatim
- iscurrent
- taxonfit
- taxonconfidence
- groupype
- notes
- revisions
- determinationdate

aggregateoccurrence

- aggregateoccurrence_id
- source_id
- sourceaccessioncode
- taxonoccurrence_id
- collectiondate
- cover_fraction
- linecover_m
- basalarea_m2
- biomass_kg_m2
- inferencearea_m2
- count
- stratum_id
- coverindex_id
- occurrencestatus_dwc
- method_id
- notes

voucher

- voucher_id
- taxonoccurrence_id
- specimenreplicate_id

taxonverbatim

- taxonverbatim_id
- source_id
- taxonlabel_id
- verbatimrank
- taxonomicname
- taxonname
- author
- family
- genus
- specific_epithet
- morphospecies
- morphoname
- growthform
- description

taxonconcept

- taxonconcept_id
- taxonlabel_id
- concept_reference_id

taxonlabel

- taxonlabel_id
- source_id
- sourceaccessioncode
- taxonstatus
- canon_label_id
- matched_label_id
- parent_id
- taxonepithet
- rank
- taxonomicname

taxoncorrelation

- taxoncorrelation_id
- taxonstatus_id
- taxonlabel_id
- plantconvergence
- correlationstart
- correlationstop

commclass

- commclass_id
- locationevent_id
- inspection
- tableanalysis
- classpublication_id
- classnotes
- 7 more...

commdetermination

- commdetermination_id
- commclass_id
- commconcept_id
- commcode
- commname
- classfit
- classconfidence
- commauthority_id
- notes
- type
- nomenclaturaltype

commcorrelation

- commcorrelation_id
- commstatus_id
- commconcept_id
- commconvergence
- correlationstart
- correlationstop

plantobservation

- plantobservation_id
- source_id
- sourceaccessioncode
- collectiondate
- aggregateoccurrence_id
- overallheight_m
- overallheightaccuracy_m
- authorplantcode
- stemcount
- reproductivecondition
- plant_id

specimenreplicate

- specimenreplicate_id
- source_id
- sourceaccessioncode
- plantobservation_id
- institution_id
- collectioncode_dwc
- catalognumber_dwc
- collectionnumber
- description
- specimen_id

methodtaxonclass

- methodtaxonclass_id
- method_id
- taxonlabel_id
- submethod_id
- taxonclass

taxonstatus

- taxonstatus_id
- taxonlabel_id
- party_id
- taxonlabelstatus
- source_id
- plantpartycomments
- startdate
- stopdate

taxonlineage

- taxonlineage_id
- childtaxonstatus_id
- parenttaxonstatus_id

commconcept

- commconcept_id
- commname_id
- reference_id
- commdescription
- commname

commstatus

- commstatus_id
- commconcept_id
- source_id
- commconceptstatus
- commparent_id
- commlevel
- commpartycomments
- party_id
- startdate
- stopdate

commlineage

- commlineage_id
- parentcommstatus_id
- childcommstatus_id

revision

- revision_id
- tablename
- tableattribute
- tablerecord
- previousvaluetext
- previousvaluetype
- revisiondate

stemobservation

- stemobservation_id
- source_id
- sourceaccessioncode
- plantobservation_id
- authorstemcode
- tag
- tags
- xposition_m
- yposition_m
- diameterbreastheight_m
- basaldiameter_m
- diameteraccuracy_m
- height_m
- heightfirstbranch_m
- heightaccuracy_m
- health
- age

specimen

- specimen_id

method

- method_id
- source_id
- name
- description
- diameterheight_m
- mindiameter_m
- maxdiameter_m
- minheight_m
- maxheight_m
- observationtype
- observationmeasure
- covermethod_id
- samplingfactor
- coverbasis
- stemsamplingmethod
- shape
- length_m
- width_m
- radius_m
- area_m2
- samplearea_m2
- subplotspacing_m
- subplotmethod_id
- pointspersline

covermethod

- covermethod_id
- source_id
- covertype
- coverestimationmethod

coverindex

- coverindex_id
- covermethod_id
- covercode
- upperlimit
- lowerlimit
- coverpercent
- indexdescription

^ Core
v Other

analytical_stem

- datasource
- country
- stateProvince
- county
- locality
- decimalLatitude
- decimalLongitude
- coordinateUncertaintyInMeters
- coordinateSource_bien
- georeferenceProtocol_bien
- geovalid_bien
- isNewWorld_bien
- projectID
- project_contributors
- locationID
- locationName
- subplot
- location_cultivated_bien
- locationevent_pkey
- eventDate
- elevationInMeters
- slopeAspect
- slopeGradient
- plotArea_ha
- samplingProtocol
- temperature_C
- precipitation_m
- stratum_name
- communities
- plot_collectors
- specimenHolderInstitutions
- collection
- accessionNumber
- occurrenceID
- recordedBy
- recordNumber
- dateCollected
- family_verbatim
- scientificName_verbatim
- identifiedBy
- dateIdentified
- identificationRemarks
- family_matched
- taxonName_matched
- scientificNameAuthorship_matched
- higherPlantGroup_bien
- taxonomic_status
- scrubbed_family
- scrubbed_genus
- scrubbed_morphospecies_binomial

taxon_trait

- scientificName
- measurementType
- measurementValue
- measurementUnit

provider_count

- dataproducer
- dataset
- records
- sourcetype
- observationtype

threatened_taxonlabel

- taxonlabel_id

family_higher_plant_group

- family
- higher_plant_group

cultivated_family_locations

- family
- country

telephone

- telephone_id
- party_id
- phonenumber
- phonetype

address

- address_id
- party_id
- organization_id
- orgposition
- email
- street
- street2
- city
- stateprovince
- postalcode
- country
- currentflag
- addressesstartdate

locationeventcontributor

- locationeventcontributor_id
- locationevent_id
- party_id
- role
- contributiondate

userdefined

- userdefined_id
- userdefinedname
- userdefinedmetadata
- userdefinedcategory
- userdefinedtype
- tablename

definedvalue

- definedvalue_id
- userdefined_id
- tablerecord_id
- definedvalue

sourcecontributor

- sourcecontributor_id
- source_id
- sourceparty_id
- role
- order

party

- party_id
- source_id
- sourceaccessioncode
- fullname
- salutation
- givenname
- middleinitial
- surname
- suffix
- department
- organizationname
- currentname_id
- contactinstructions
- email
- partytype
- partypublic

party member

- party member_id
- parentparty_id
- childparty_id
- memberstart
- memberstop

note

- note_id
- notelink_id
- party_id
- role
- notetype
- notetext
- notedate

notelink

- notelink_id
- tablename
- attributename
- tablerecord

source

- source_id
- matched_source_id
- parent_id
- shortname
- citation
- sourcetype
- accesslevel
- accessconditions
- observationtype
- title
- titlesuperior
- volume
- issue
- pagerange
- totalpages
- publisher
- publicationplace
- isbn
- edition
- numberofvolumes
- chapternumber
- reportnumber
- communicationtype
- degree
- url
- doi
- additionalinfo
- pubdate
- accessdate
- conferencedate
- 5 more...

source list

- source list_id
- source_id
- name

source name

- source list_id
- name
- matched_source_id

source contributor

- source contributor_id
- source_id
- source party_id
- role
- order

note link

- note link_id
- party_id
- role
- notetype
- notetext
- notedate

commclass

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- taxonlabelstatus
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- plantpartycomments
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commconcept

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- reference_id
- commdescription
- commname

commstatus

- commstatus_id
- commconcept_id
- source_id
- commconceptstatus
- commparent_id
- commlevel
- commpartycomments
- party_id
- startdate
- stopdate

commlineage

- commlineage_id
- parentcommstatus_id
- childcommstatus_id

covermethod

- covermethod_id
- source_id
- covertype
- coverestimationmethod

coverindex

- coverindex_id
- covermethod_id
- covercode
- upperlimit
- lowerlimit
- coverpercent
- indexdescription

commname

- commname_id
- commname
- source_id
- dateentered

commusage

- commusage_id
- commname_id
- commname
- commconcept_id
- commnamestatus
- classsystem
- party_id
- commstatus_id
- usagesstart
- usagesstop

revision

- revision_id
- tablename
- tableattribute
- tablerecord
- previousvaluetext
- previousvaluetype
- revisiondate