



https://projects.nceas.ucsb.edu/nceas/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
- parent_id
- authorlocationcode
- accesslevel
- accessconditions
- sublocationxposition_m
- sublocationyposition_m
- iscultivated
- authorzone
- authordatum
- authorlocation
- locationnarrative
- azimuth
- shape
- area_m2
- standsize
- placementmethod
- permanence
- layoutnarrative
- elevation_m
- elevationaccuracy_m
- elevationrange_m
- verbatimerelevation
- slopeaspect_deg
- minslopeaspect_deg
- maxslopeaspect_deg
- slopegradient_fraction
- minslopegradient_fract...
- maxslopegradient_fract...
- toposition
- landform
- 10 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
- accesslevel
- 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...
- conductivity
- 7 more...

stratum

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

taxonoccurrence

- taxonoccurrence_id
- source_id
- sourceaccessioncode
- parent_id
- 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
- isdatasource_current
- 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
- party_id
- morphospecies
- morphoname
- growthform
- description

taxonconcept

- taxonlabel_id
- taxonlabel_id
- concept_reference_id

taxonlabel_relationship

- descendant_id
- ancestor_id
- relationship

plantobservation

- plantobservation_id
- source_id
- sourceaccessioncode
- 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
- included
- submethod_id
- taxonclass

taxonlabel

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

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
- stemsamplemethod
- shape
- length_m
- width_m
- radius_m
- area_m2
- samplearea_m2
- subplotspacing_m
- subplotmethod_id
- pointspersline

^ Core

v Other

analytical_stem
datasource
institutionCode
collectionCode
catalogNumber
occurrenceID
country
stateProvince
county
locality
decimalLatitude
decimalLongitude
coordinateUncertaintyInMeters
coordinateSource_bien
georeferenceProtocol_bien
geovalid_bien
isNewWorld_bien
projectId
locationID
locationName
subplot
individualCode
elevationInMeters
plotArea_ha
samplingProtocol
temperature_C
precipitation_m
recordedBy
recordNumber
dateCollected
family_verbatim
scientificName_verbatim
identifiedBy
dateIdentified
identificationRemarks
family_matched
taxonName_matched
scientificNameAuthorship_matched
higherPlantGroup_bien
genus
speciesBinomialWithMorphospecies
taxonName
scientificNameAuthorship
growthForm
reproductiveCondition
threatened_bien
cultivated_bien
cultivatedBasis_bien
occurrenceRemarks
coverPercent 8 more...

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

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

sourcelist
sourcelist_id
source_id
name

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...

telephone
telephone_id
party_id
phonenumber
phonetype

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

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

sourcecontributor
sourcecontributor_id
source_id
sourceparty_id
role
order

partymember
partymember_id
parentparty_id
childparty_id
role
memberstart
memberstop

note
note_id
notelink_id
party_id
role
notetype
notetext
notedate

notelink
notelink_id
tablename
attributename
tablerecord

taxoncorrelation
taxoncorrelation_id
taxonstatus_id
taxonlabel_id
plantconvergence
correlationstart
correlationstop

taxonstatus
taxonstatus_id
taxonlabel_id
party_id
taxonlabelstatus
source_id
plantpartycomments
startdate
stopdate

taxonlineage
taxonlineage_id
childtaxonstatus_id
parenttaxonstatus_id

covermethod
covermethod_id
source_id
covertype
coverestimationmethod

coverindex
coverindex_id
covermethod_id
covercode
upperlimit
lowerlimit
coverpercent
indexdescription

commclass
commclass_id
locationevent_id
inspection
tableanalysis
multivariateanalysis
classpublication_id
classnotes 7 more...

commdetermination
commdetermination_id
commclass_id
commconcept_id
commcode
commname
classfit
classconfidence
commauthority_id
notes
type
nomenclaturatype

commconcept
commconcept_id
commname_id
reference_id
commdescription
commname

commname
commname_id
commname
source_id
dateentered

commusage
commusage_id
commname_id
commname
commconcept_id
commnamestatus
classsystem
party_id
commstatus_id
usagestart
usagestop

commcorrelation
commcorrelation_id
commstatus_id
commconcept_id
commconvergence
correlationstart
correlationstop

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
previousrevision_id
revisiondate