



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\_fra...
- maxslopegradient\_fra...
- toposition
- landform

**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
- authoreventcode
- previous\_id
- obsstartdate
- obsenddate
- dateaccuracy
- method\_id
- temperature\_c
- precipitation\_m
- autotaxoncover
- originaldata

**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

**stratum**

- stratum\_id
- locationevent\_id
- 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
- morphospecies
- morphoname
- growthform
- description

**taxonconcept**

- taxonlabel\_id
- taxonlabel\_id
- concept\_reference\_id

**taxonlabel\_relationship**

- descendant\_id
- ancestor\_id
- relationship

**plant**

- plant\_id

**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

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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 more...

