BioCollections Information Model

(OPM Schema Diagrams)

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<authorName2>

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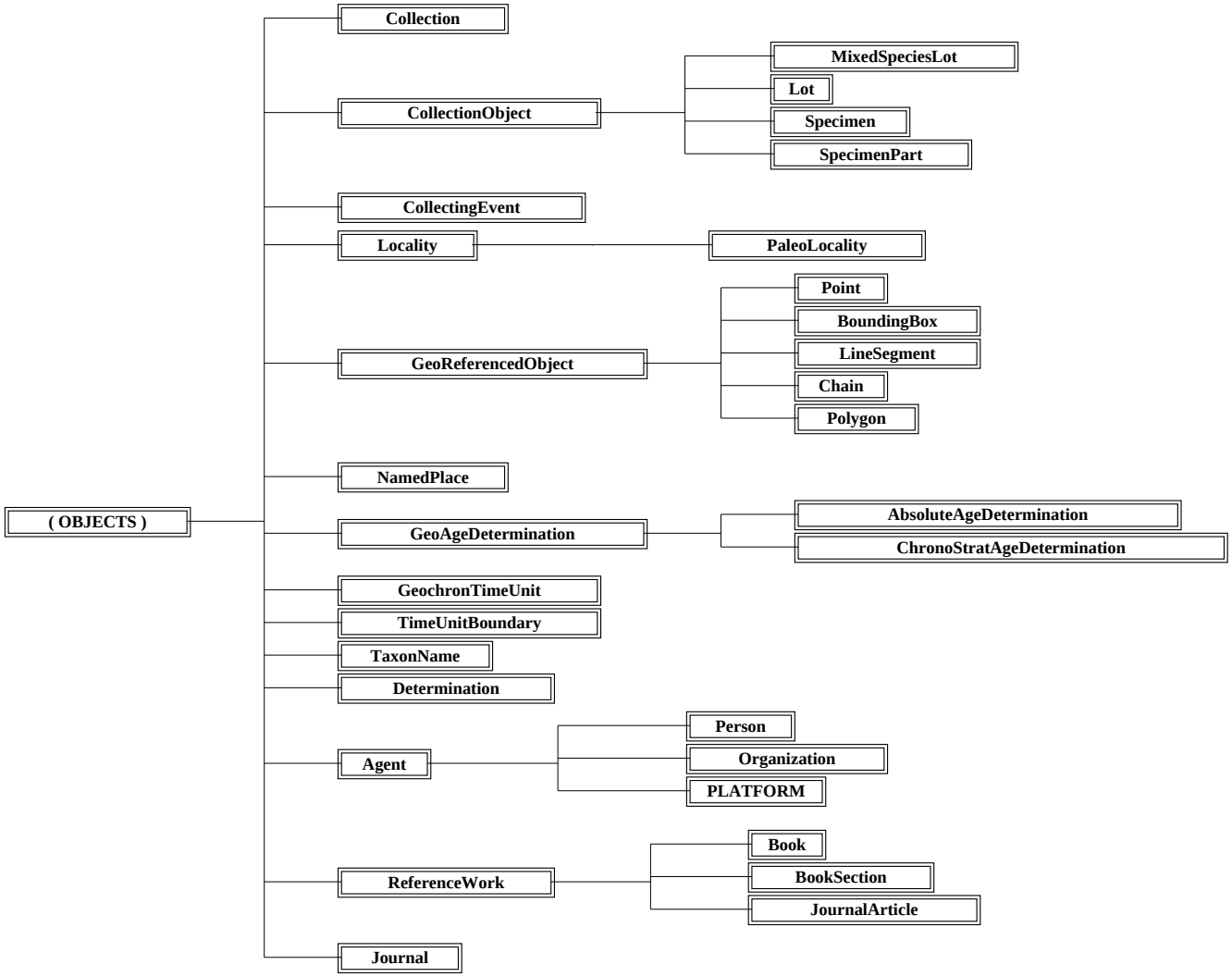
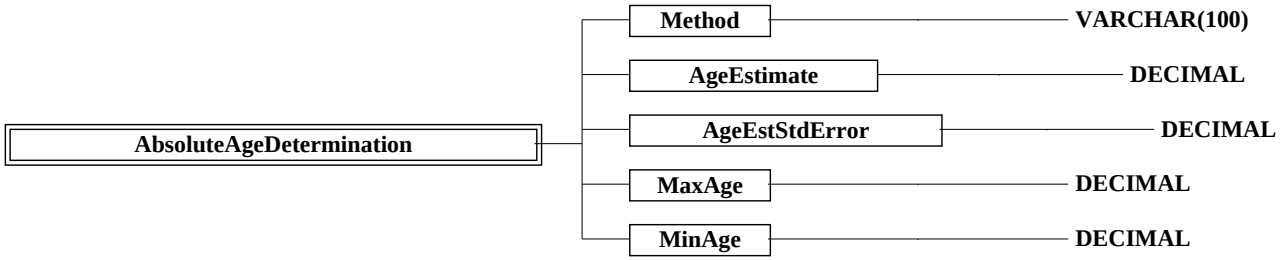
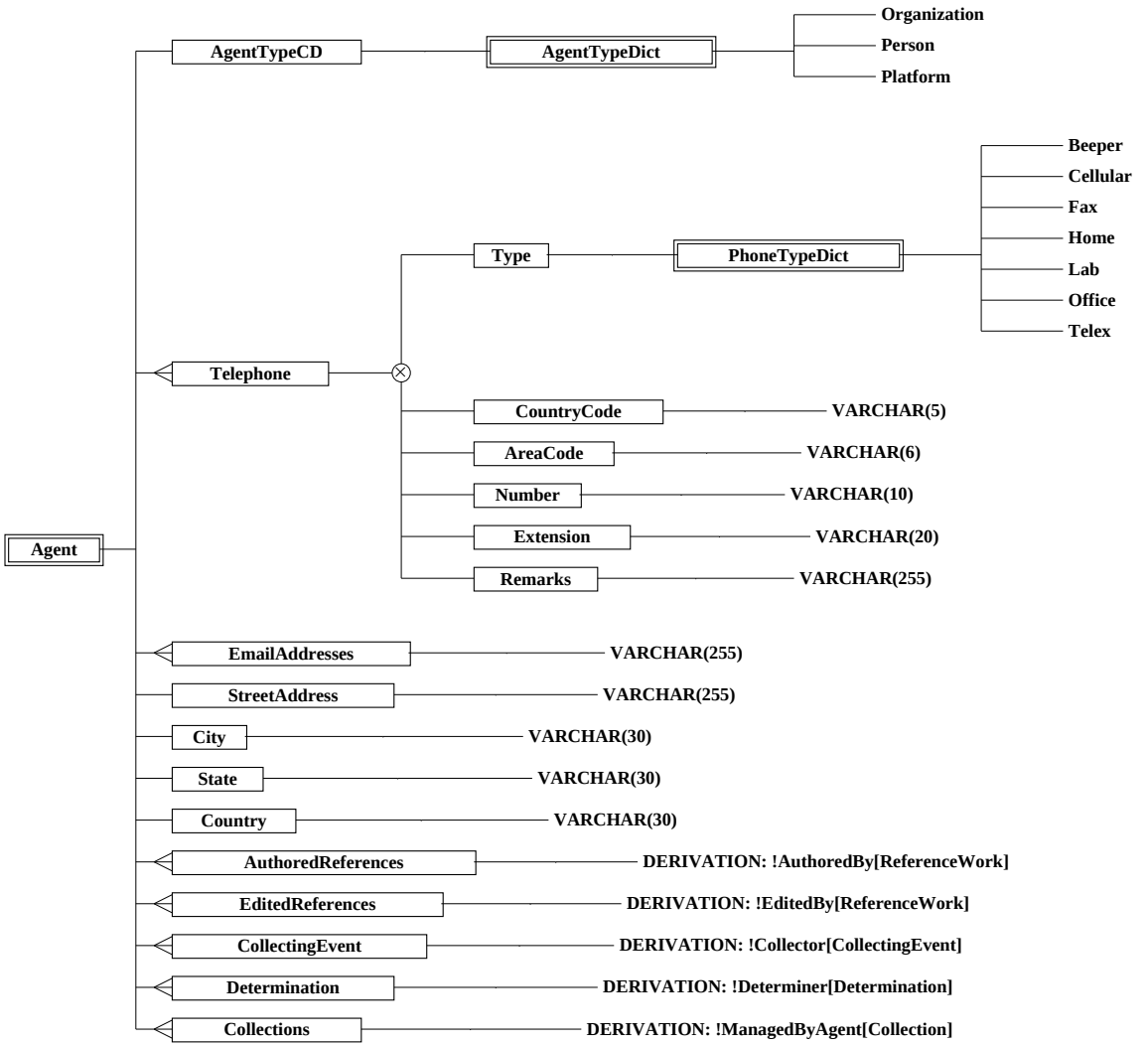
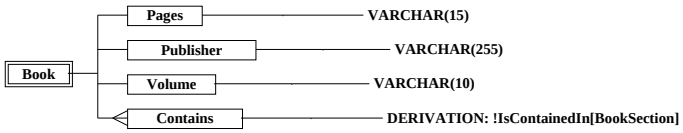
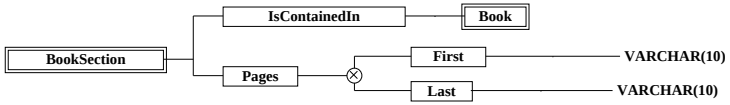
Object Generalization Hierarchy

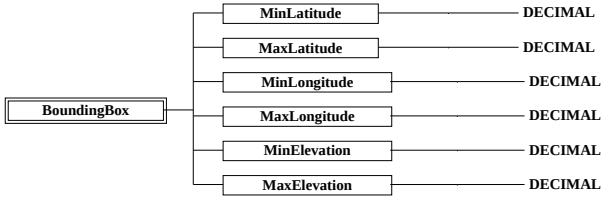



AbsoluteAgeDetermination
Method
VARCHAR(100)
AgeEstimate
DECIMAL
AgeEstStdError
DECIMAL
MaxAge
DECIMAL
MinAge
DECIMAL


Agent
AgentTypeCD
AgentTypeDict
Organization
Person
Platform
Telephone
Type
PhoneTypeDict
Beeper
Cellular
Fax
Home
Lab
Office
Telex
CountryCode
VARCHAR(5)
AreaCode
VARCHAR(6)
Number
VARCHAR(10)
Extension
VARCHAR(20)
Remarks
VARCHAR(255)
EmailAddresses
VARCHAR(255)
StreetAddress
VARCHAR(255)
City
VARCHAR(30)
State
VARCHAR(30)
Country
VARCHAR(30)
AuthoredReferences
DERIVATION: !AuthoredBy[ReferenceWork]
EditedReferences
DERIVATION: !EditedBy[ReferenceWork]
CollectingEvent
DERIVATION: !Collector[CollectingEvent]
Determination
DERIVATION: !Determiner[Determination]
Collections
DERIVATION: !ManagedByAgent[Collection]


Book
Pages
VARCHAR(15)
Publisher
VARCHAR(255)
Volume
VARCHAR(10)
Contains
DERIVATION: !IsContainedIn[BookSection]


BookSection
IsContainedIn
Book
Pages
First
VARCHAR(10)
Last
VARCHAR(10)


BoundingBox
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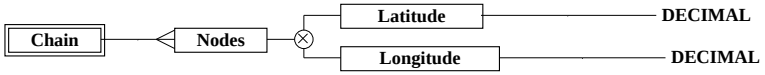
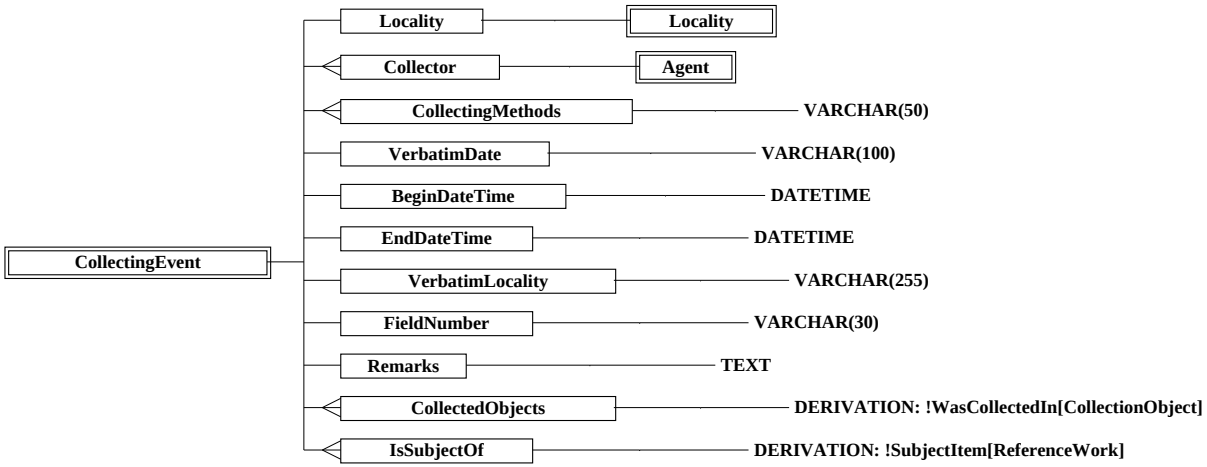
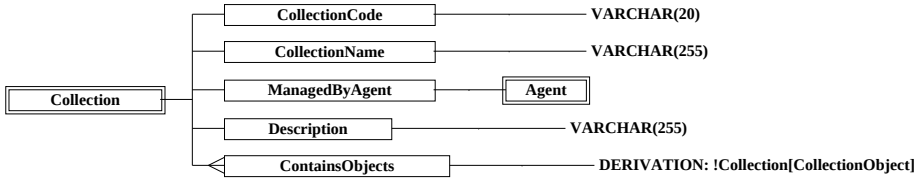
DECIMAL
MaxLatitude
DECIMAL
MinLongitude
DECIMAL
MaxLongitude
DECIMAL
MinElevation
DECIMAL
MaxElevation
DECIMAL


Chain
Nodes
Latitude
Longitude
DECIMAL
DECIMAL

ChronoStratAgeDetermination
MinAgeTimeUnit
MaxAgeTimeUnit
GeochronTimeUnit
GeochronTimeUnit


CollectingEvent
Locality
Collector
CollectingMethods
VerbatimDate
BeginDateTime
EndDateTime
VerbatimLocality
FieldNumber
Remarks
CollectedObjects
IsSubjectOf
Locality
Agent
VARCHAR(50)
VARCHAR(100)
DATETIME
DATETIME
VARCHAR(255)
VARCHAR(30)
TEXT
DERIVATION: !WasCollectedIn[CollectionObject]
DERIVATION: !SubjectItem[ReferenceWork]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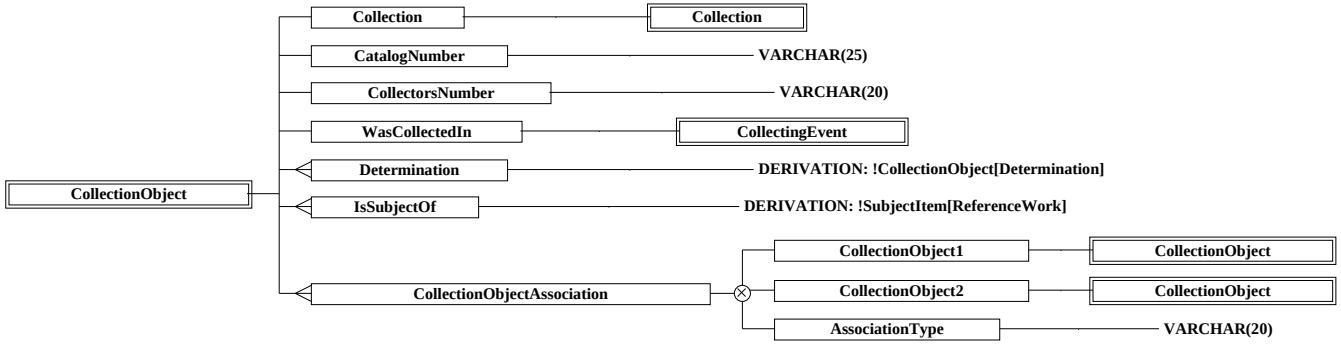
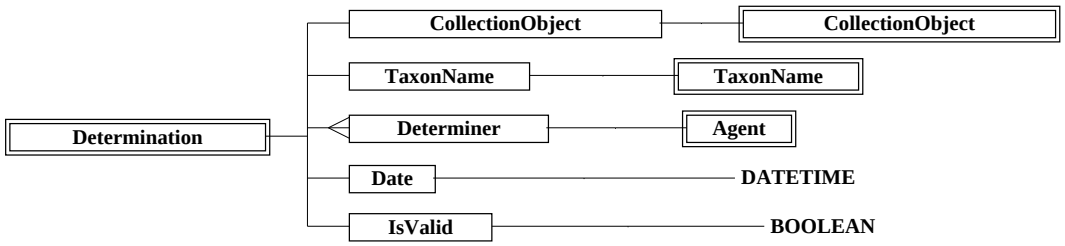
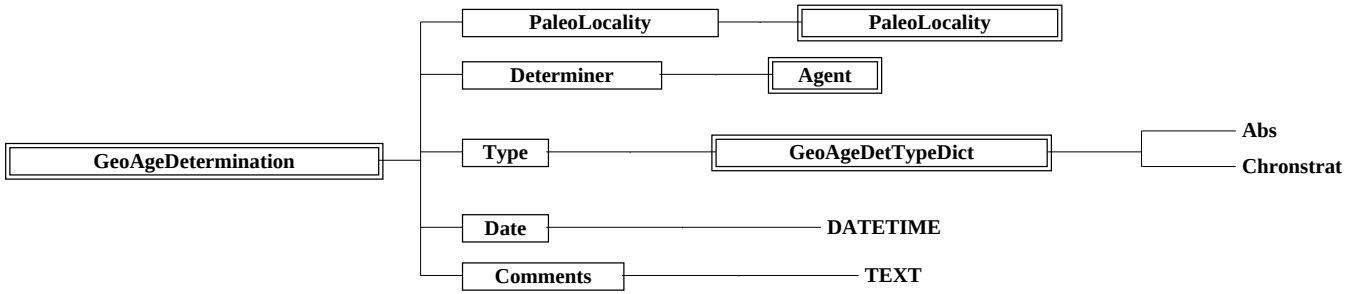
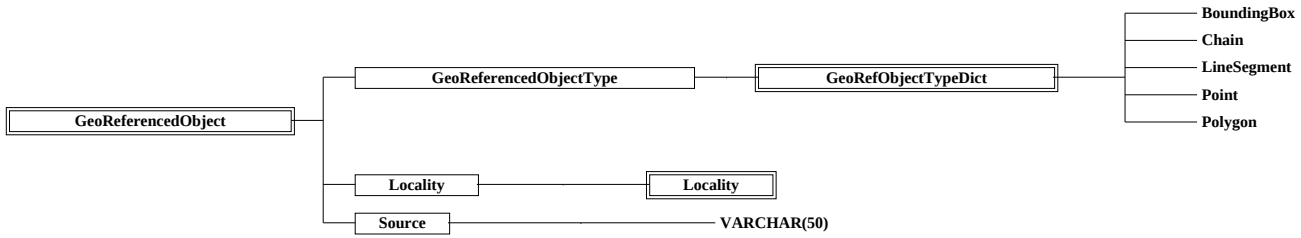
CollectionName
VARCHAR(255)
ManagedByAgent
Agent
Description
VARCHAR(255)
ContainsObjects
DERIVATION: !Collection[CollectionObject]


CollectionObject
Collection
Collection
CatalogNumber
VARCHAR(25)
CollectorsNumber
VARCHAR(20)
WasCollectedIn
CollectingEvent
Determination
DERIVATION: !CollectionObject[Determination]
IsSubjectOf
DERIVATION: !SubjectItem[ReferenceWork]
CollectionObjectAssociation
CollectionObject1
CollectionObject
CollectionObject2
CollectionObject
AssociationType
VARCHAR(20)


Determination
CollectionObject
CollectionObject
TaxonName
TaxonName
Determiner
Agent
Date
DATETIME
IsValid
BOOLEAN


GeoAgeDetermination
PaleoLocality
PaleoLocality
Determiner
Agent
Type
GeoAgeDetTypeDict
Abs
Chronstrat
Date
DATETIME
Comments
TEXT


GeoReferencedObject
GeoReferencedObjectType
GeoRefObjectTypeDict
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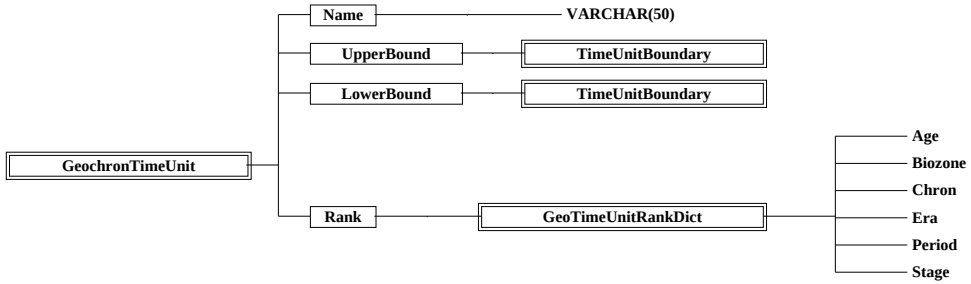
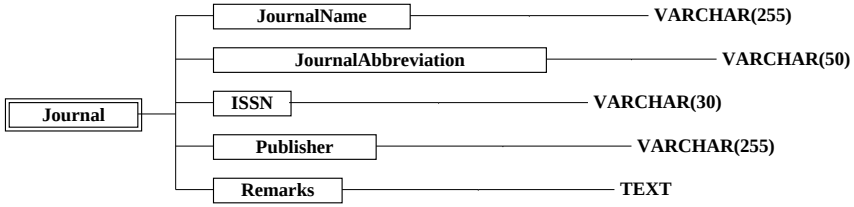
Chain
LineSegment
Point
Polygon
Locality
Locality
Source
VARCHAR(50)


GeochronTimeUnit
Name
VARCHAR(50)
UpperBound
TimeUnitBoundary
LowerBound
TimeUnitBoundary
Rank
GeoTimeUnitRankDict
Age
Biozone
Chron
Era
Period
Stage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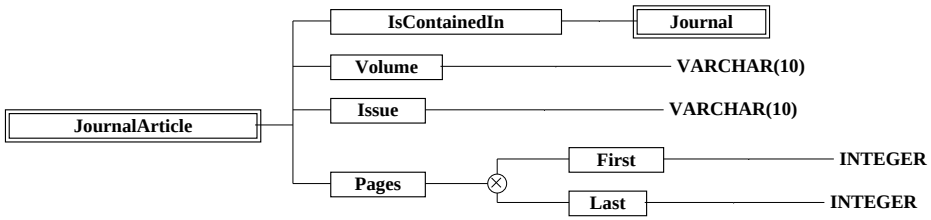
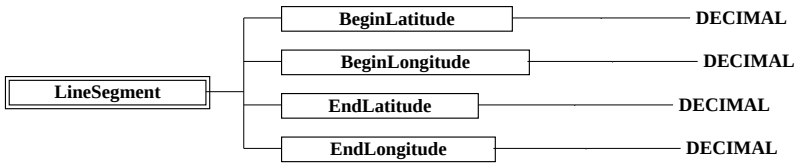
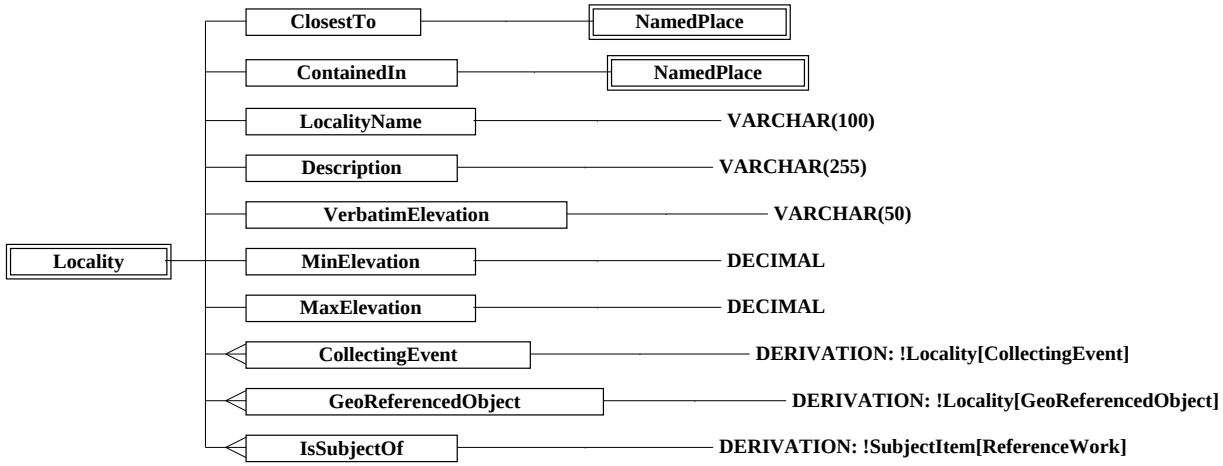
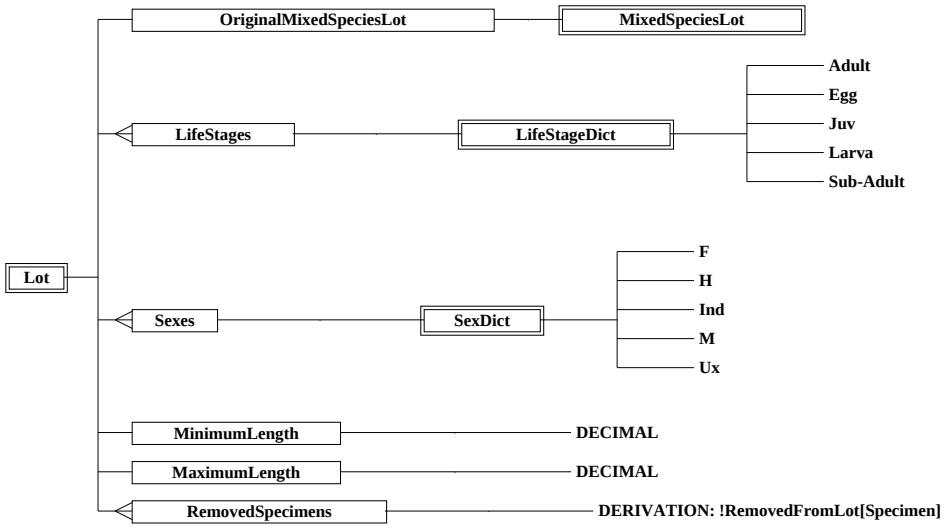
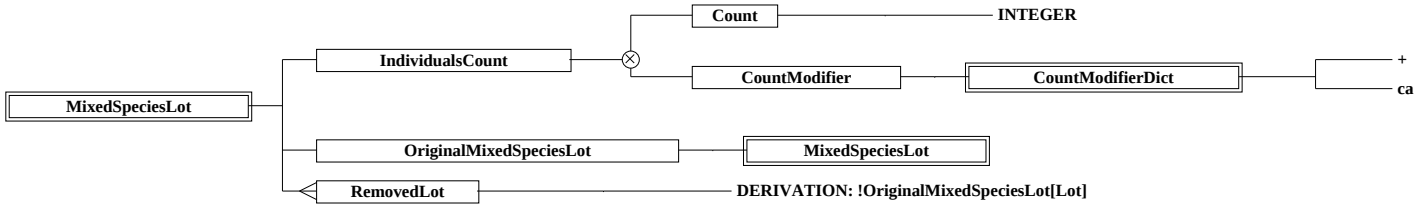
VARCHAR(255)
JournalAbbreviation
VARCHAR(50)
ISSN
VARCHAR(30)
Publisher
VARCHAR(255)
Remarks
TEXT

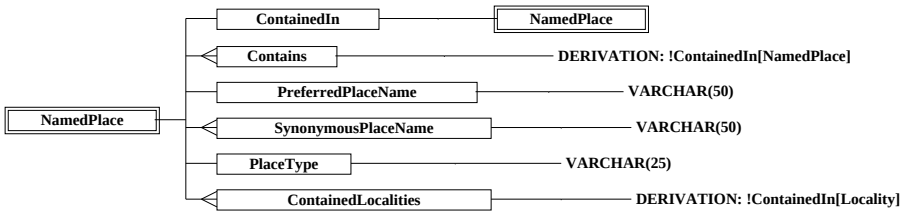

JournalArticle
IsContainedIn
Journal
Volume
VARCHAR(10)
Issue
VARCHAR(10)
Pages
First
INTEGER
Last
INTEGER

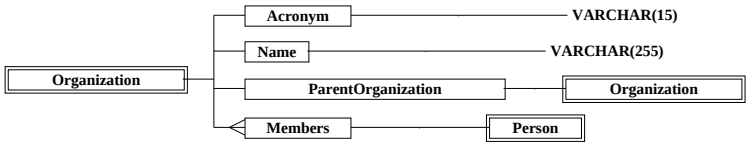

LineSegment
BeginLatitude
DECIMAL
BeginLongitude
DECIMAL
EndLatitude
DECIMAL
EndLongitude
DECIMAL

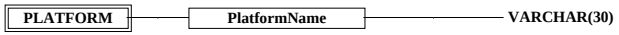

Locality
ClosestTo
NamedPlace
ContainedIn
NamedPlace
LocalityName
VARCHAR(100)
Description
VARCHAR(255)
VerbatimElevation
VARCHAR(50)
MinElevation
DECIMAL
MaxElevation
DECIMAL
CollectingEvent
DERIVATION: !Locality[CollectingEvent]
GeoReferencedObject
DERIVATION: !Locality[GeoReferencedObject]
IsSubjectOf
DERIVATION: !SubjectItem[ReferenceWork]

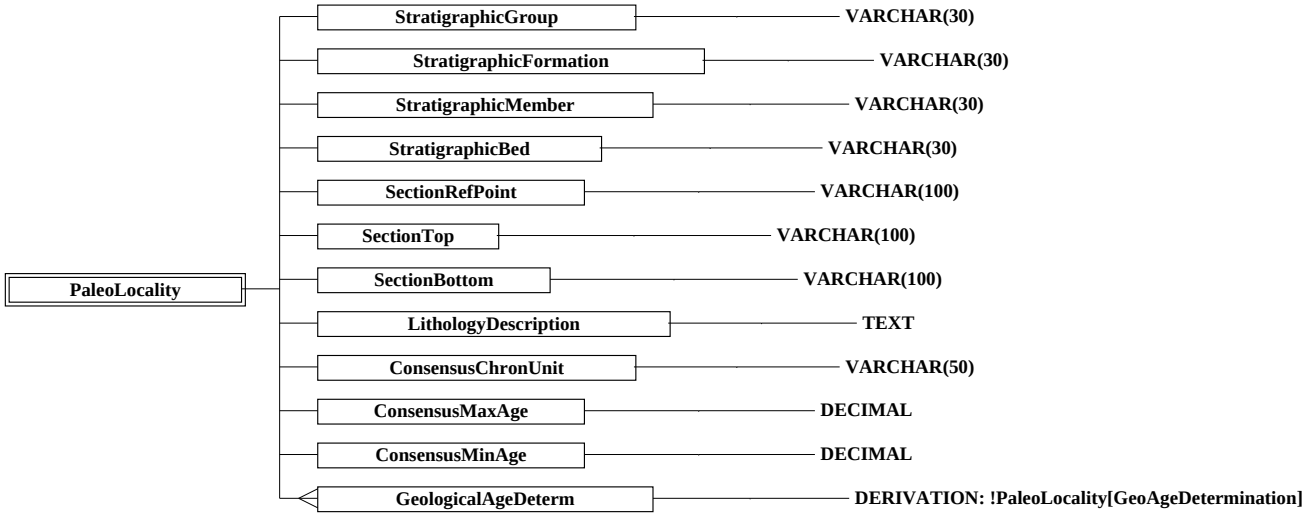

OriginalMixedSpeciesLot
MixedSpeciesLot
Adult
Egg
Juv
Larva
Sub-Adult
LifeStages
LifeStageDict
Lot
F
H
Ind
M
Ux
Sexes
SexDict
MinimumLength
DECIMAL
MaximumLength
DECIMAL
RemovedSpecimens
DERIVATION: !RemovedFromLot[Specimen]

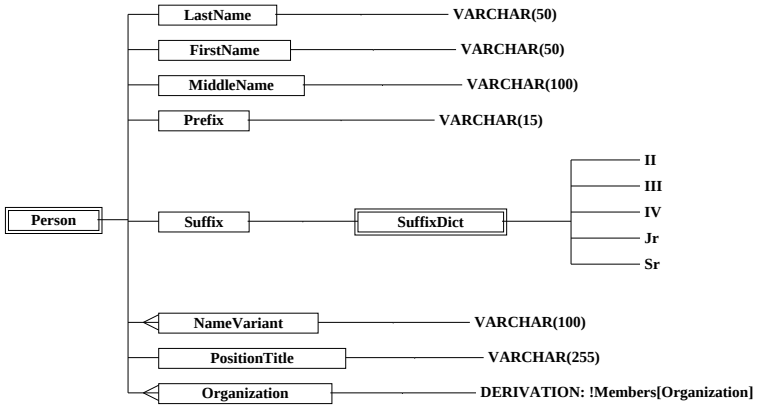

Count
INTEGER
IndividualsCount
CountModifier
CountModifierDict
+
ca
MixedSpeciesLot
OriginalMixedSpeciesLot
MixedSpeciesLot
RemovedLot
DERIVATION: !OriginalMixedSpeciesLot[Lot]

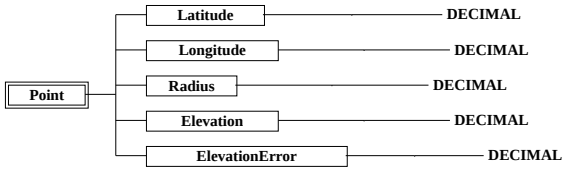

NamedPlace
ContainedIn
NamedPlace
Contains
DERIVATION: !ContainedIn[NamedPlace]
PreferredPlaceName
VARCHAR(50)
SynonymousPlaceName
VARCHAR(50)
PlaceType
VARCHAR(25)
ContainedLocalities
DERIVATION: !ContainedIn[Locality]


Organization
Acronym
VARCHAR(15)
Name
VARCHAR(255)
ParentOrganization
Organization
Members
Person

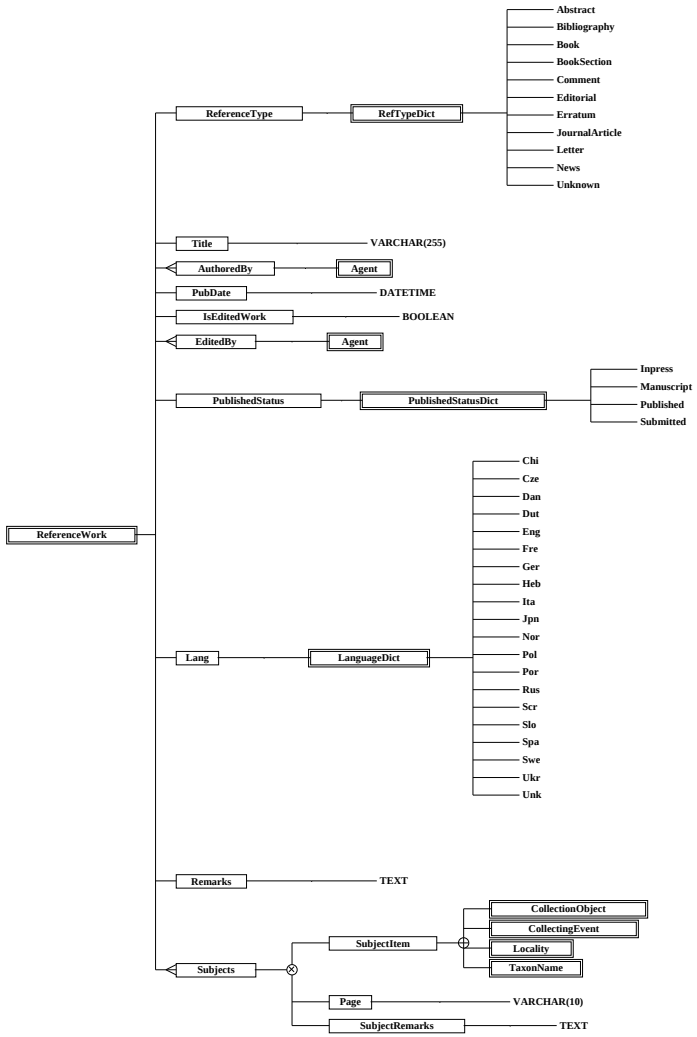

PLATFORM
PlatformName
VARCHAR(30)

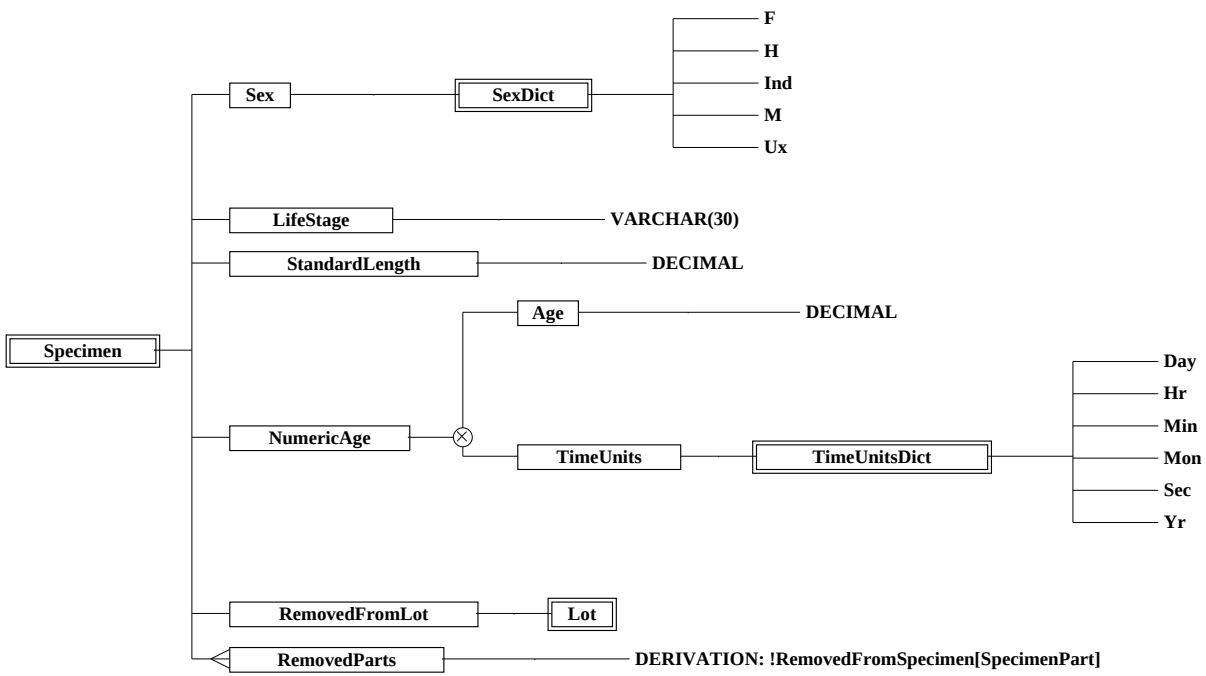

PaleoLocality
StratigraphicGroup
VARCHAR(30)
StratigraphicFormation
VARCHAR(30)
StratigraphicMember
VARCHAR(30)
StratigraphicBed
VARCHAR(30)
SectionRefPoint
VARCHAR(100)
SectionTop
VARCHAR(100)
SectionBottom
VARCHAR(100)
LithologyDescription
TEXT
ConsensusChronUnit
VARCHAR(50)
ConsensusMaxAge
DECIMAL
ConsensusMinAge
DECIMAL
GeologicalAgeDeterm
DERIVATION: !PaleoLocality[GeoAgeDetermination]

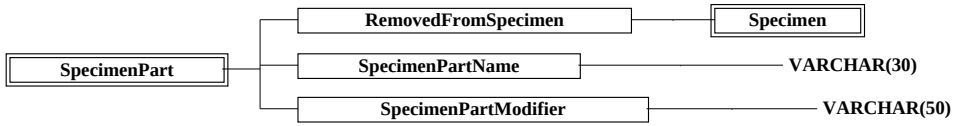

Person
LastName
VARCHAR(50)
FirstName
VARCHAR(50)
MiddleName
VARCHAR(100)
Prefix
VARCHAR(15)
Suffix
SuffixDict
II
III
IV
Jr
Sr
NameVariant
VARCHAR(100)
PositionTitle
VARCHAR(255)
Organization
DERIVATION: !Members[Organization]

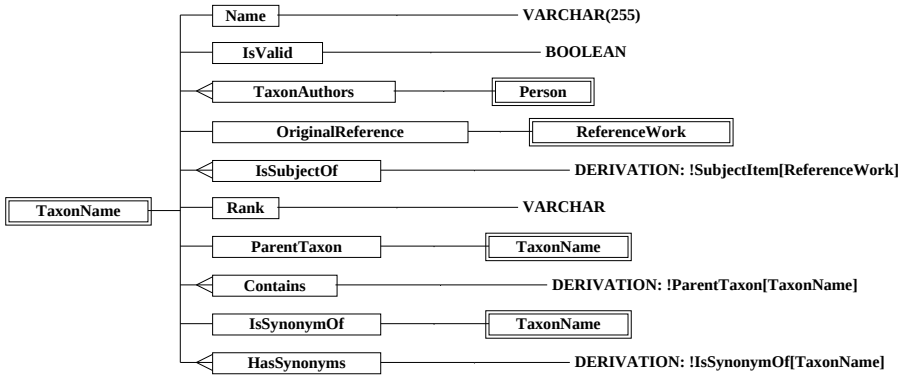

Point
Latitude
DECIMAL
Longitude
DECIMAL
Radius
DECIMAL
Elevation
DECIMAL
ElevationError
DECIMAL

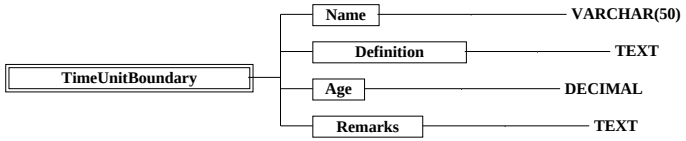
Polygon
Nodes
Latitude
Longitude
DECIMAL
DECIMAL


ReferenceWork
ReferenceType
RefTypeDict
Abstract
Bibliography
Book
BookSection
Comment
Editorial
Erratum
JournalArticle
Letter
News
Unknown
Title
VARCHAR(255)
AuthoredBy
Agent
PubDate
DATETIME
IsEditedWork
BOOLEAN
EditedBy
Agent
PublishedStatus
PublishedStatusDict
Inpress
Manuscript
Published
Submitted
Lang
LanguageDict
Chi
Cze
Dan
Dut
Eng
Fre
Ger
Heb
Ita
Jpn
Nor
Pol
Por
Rus
Scr
Slo
Spa
Swe
Ukr
Unk
Remarks
TEXT
Subjects
SubjectItem
CollectionObject
CollectingEvent
Locality
TaxonName
Page
VARCHAR(10)
SubjectRemarks
TEXT


Specimen
Sex
SexDict
F
H
Ind
M
Ux
LifeStage
VARCHAR(30)
StandardLength
DECIMAL
Age
DECIMAL
NumericAge
TimeUnits
TimeUnitsDict
Day
Hr
Min
Mon
Sec
Yr
RemovedFromLot
Lot
RemovedParts
DERIVATION: !RemovedFromSpecimen[SpecimenPart]


SpecimenPart
RemovedFromSpecimen
Specimen
SpecimenPartName
VARCHAR(30)
SpecimenPartModifier
VARCHAR(50)


TaxonName
Name
VARCHAR(255)
IsValid
BOOLEAN
TaxonAuthors
Person
OriginalReference
ReferenceWork
IsSubjectOf
DERIVATION: !SubjectItem[ReferenceWork]
Rank
VARCHAR
ParentTaxon
TaxonName
Contains
DERIVATION: !ParentTaxon[TaxonName]
IsSynonymOf
TaxonName
HasSynonyms
DERIVATION: !IsSynonymOf[TaxonName]


TimeUnitBoundary
Name
VARCHAR(50)
Definition
TEXT
Age
DECIMAL
Remarks
TEXT