

## Appendix E. Animal Releases

**NOTE:** The following is the proposed data schema definition (XSD) followed by the documentation for *Animal Releases* records that will be encoded onto the *HealthMAP* information system.

```

<?xml version="1.0" encoding="UTF-8"?>
<schema targetNamespace="http://data.gcoos.org/mmhmap/xml/1.0"
  xmlns="http://www.w3.org/2001/XMLSchema" xmlns:gml="http://www.opengis.net/gml"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:mmc="https://www.mmc.gov/"
  xmlns:dc="http://purl.org/dc/elements/1.1/" elementFormDefault="qualified" version="1.0.0.2"
  xml:lang="en">

  <!-- This is the original version of MMC LevelA subforms (as of 2017-03-06) -->
  <annotation>
    <documentation>
      <dc:description>
        This XML Schema defines the recommended Marine Mammal Commission Level A XML elements and
        types for subforms to record animal updates.
      </dc:description>
    </documentation>
  </annotation>

  <!-- =====
                        Element: Record identifier
  ===== -->

  <element name="recordIdentifier">
    <annotation>
      <documentation>
        <dc:description>
          Record identifier based on a proposed presistent record identifier for HealthMAP
        </dc:description>
      </documentation>
    </annotation>
    <complexType>
      <sequence>
        <element name="recId" type="string" minOccurs="0"/>
        <element name="organization" type="string" minOccurs="0"/>
        <element name="localId" type="string" minOccurs="0"/>
        <element name="animalId" type="string" minOccurs="0"/>

        <element name="animalIdCount">
          <simpleType>
            <restriction base="integer">
              <minInclusive value="0"/>
              <maxInclusive value="999"/>
            </restriction>
          </simpleType>
        </element>

      </sequence>
    </complexType>
  </element>

  <!-- =====
                        Element: Animal Update, Released
  ===== -->

  <element name="animalReleased">
    <annotation>

```

```

<documentation>
  <dc:description>
    Details on the animal release
  </dc:description>
</documentation>
</annotation>
<complexType>
  <sequence>
    <element name="animalReleaseDate" type="date" minOccurs="0"/>
    <element name="animalReleaseTime" type="time" minOccurs="0"/>
    <element name="determinationAnimalReleaseTime">
      <simpleType>
        <restriction base="string">
          <pattern value="actual|estimate"/>
        </restriction>
      </simpleType>
    </element>
    <element name="animalReleaseTimeZone" type="string" minOccurs="0"/>
    <element name="animalReleasePeriodRemarks" type="string" minOccurs="0"/>
    <element name="animalReleaseLatitude" type="string"/>
    <element name="determinationAnimalReleaseLatitude" type="integer"/>
    <element name="animalReleaseLongitude" type="string"/>
    <element name="determinationAnimalReleaseLongitude" type="integer"/>
    <element name="animalReleaseCoordinateGen">
      <simpleType>
        <restriction base="string">
          <pattern value="electronic map|GPS device|hardcopy map|others"/>
        </restriction>
      </simpleType>
    </element>
    <element name="animalReleaseCoordinatesOthers" type="string"/>
    <element name="animalReleaseDatum" type="string" default="WGS84"/>
    <element name="animalReleaseLifeStage">
      <simpleType>
        <restriction base="string">
          <pattern value="sexually mature|sexually immature|unknown"/>
        </restriction>
      </simpleType>
    </element>
    <element name="determinationanimalReleaseStage">
      <complexType>
        <sequence>
          <element name="determinationStageAge">
            <simpleType>
              <restriction base="string">
                <pattern value="true|false"/>
              </restriction>
            </simpleType>
          </element>
          <element name="determinationStageAssocOffspring">
            <simpleType>
              <restriction base="string">

```

```

        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageExtMorp">
    <simpleType>
      <restriction base="string">
        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageExtMorpRemote">
    <simpleType>
      <restriction base="string">
        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageInteralGrossExam">
    <simpleType>
      <restriction base="string">
        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageUltrasound">
    <simpleType>
      <restriction base="string">
        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageOthers">
    <simpleType>
      <restriction base="string">
        <pattern value="true|false"/>
      </restriction>
    </simpleType>
  </element>
  <element name="determinationStageRemarks" type="string" minOccurs="0"/>
</sequence>
</complexType>
</element>
<element name="animalReleaseConditionCode">
  <simpleType>
    <restriction base="string">
      <pattern
        value="alive|fresh dead|moderate decomposition|advanced
        decomposition|mummified/skeletal|dead, condition unknown"
      />
    </restriction>
  </simpleType>

```

```

</element>
<element name="animalReleaseGroup">
  <simpleType>
    <restriction base="string">
      <pattern value="singly|with others"/>
    </restriction>
  </simpleType>
</element>
</sequence>
</complexType>
</element>
<!-- =====
      Element: Animal Update, Weigh|Morphometrics
===== -->
<element name="animalMorphometrics">
  <annotation>
    <documentation>
      <dc:description>
        Morphometric details of the animal released
      </dc:description>
    </documentation>
  </annotation>
  <complexType>
    <sequence>
      <element name="morphometricsDate" type="date" minOccurs="0"/>
      <element name="morphometricsTime" type="time" minOccurs="0"/>
      <element name="morphometricsItem">
        <simpleType>
          <restriction base="string">
            <pattern value="partial|whole"/>
          </restriction>
        </simpleType>
      </element>
      <element name="morphometricsItemRemarks" type="string" minOccurs="0"/>
      <element name="morphometricsStandardLength">
        <complexType>
          <sequence>
            <element name="morphometricsStandardLengthMeasure" type="float"
              minOccurs="0"/>
            <element name="morphometricsStandardLengthUnit" type="string"
              minOccurs="0"/>
            <element name="morphometricsStandardLengthCertainty">
              <simpleType>
                <restriction base="string">
                  <pattern value="actual|estimate"/>
                </restriction>
              </simpleType>
            </element>
          </sequence>
        </complexType>
      </element>
      <element name="morphometricsMaxGirth">

```

```

<complexType>
  <sequence>
    <element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/>
    <element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/>
    <element name="morphometricsMaxGirthCertainty">
      <simpleType>
        <restriction base="string">
          <pattern value="actual|estimate"/>
        </restriction>
      </simpleType>
    </element>
  </sequence>
</complexType>
</element>
<element name="morphometricsBladderDepthSternal">
  <complexType>
    <sequence>
      <element name="morphometricsBladderDepthSternalMeasure" type="float"
        minOccurs="0"/>
      <element name="morphometricsBladderDepthSternalUnit" type="string"
        minOccurs="0"/>
      <element name="morphometricsBladderDepthSternalCertainty">
        <simpleType>
          <restriction base="string">
            <pattern value="actual|estimate"/>
          </restriction>
        </simpleType>
      </element>
    </sequence>
  </complexType>
</element>
<element name="morphometricsBodyMass">
  <complexType>
    <sequence>
      <element name="morphometricsBodyMassMeasure" type="float" minOccurs="0"/>
      <element name="morphometricsBodyMassUnit" type="string" minOccurs="0"/>
      <element name="morphometricsBodyMassCertainty">
        <simpleType>
          <restriction base="string">
            <pattern value="actual|estimate"/>
          </restriction>
        </simpleType>
      </element>
    </sequence>
  </complexType>
</element>
</sequence>
</complexType>
</element>
</schema>

```

---

# Schema documentation for animalRelease.xsd

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**Namespace: "http://data.gcoos.org/mmhmap/xml/1.0"**

## Schema(s)

### Main schema animalRelease.xsd

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>This XML Schema defines the recommended Marine Mammal Commission Level A XML elements and types for subforms to record animal updates.</dc:description>
Properties	attribute form default: unqualified
	element form default: qualified
	version: 1.0.0.2

## Element(s)

### Element recordIdentifier

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>Record identifier based on a proposed presistent record identifier for HealthMAP</dc:description>
Diagram	
Properties	content: complex
Model	recId{0,1} , organization{0,1} , localId{0,1} , animalId{0,1} , animalIdCount
Children	animalId, animalIdCount, localId, organization, recId
Instance	<pre>&lt;recordIdentifier xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;recId&gt;{0,1}&lt;/recId&gt;   &lt;organization&gt;{0,1}&lt;/organization&gt;   &lt;localId&gt;{0,1}&lt;/localId&gt;   &lt;animalId&gt;{0,1}&lt;/animalId&gt;   &lt;animalIdCount&gt;{1,1}&lt;/animalIdCount&gt; &lt;/recordIdentifier&gt;</pre>
Source	<pre>&lt;element name="recordIdentifier"&gt;   &lt;annotation&gt;     &lt;documentation&gt;       &lt;dc:description&gt;Record identifier based on a proposed presistent record identifier for HealthMAP&lt;/dc:description&gt;     &lt;/documentation&gt;   &lt;/annotation&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="recId" type="string" minOccurs="0"/&gt;       &lt;element name="organization" type="string" minOccurs="0"/&gt;       &lt;element name="localId" type="string" minOccurs="0"/&gt;       &lt;element name="animalId" type="string" minOccurs="0"/&gt;       &lt;element name="animalIdCount"&gt;         &lt;simpleType&gt;           &lt;restriction base="integer"&gt;             &lt;minInclusive value="0"/&gt;             &lt;maxInclusive value="999"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt;</pre>

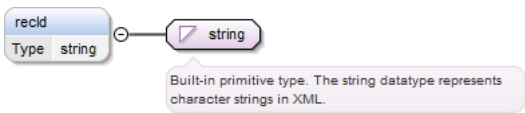


```

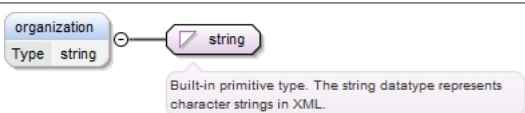
    </restriction>
  </simpleType>
</element>
</sequence>
</complexType>
</element>

```

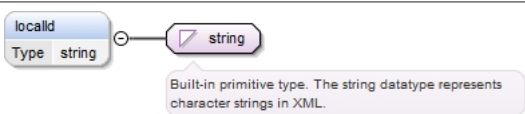
**Element recordIdentifier / recId**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="recId" type="string" minOccurs="0"/&gt;</code>				

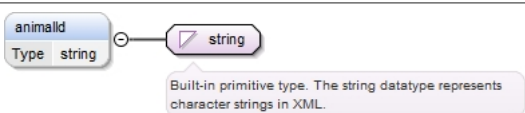
**Element recordIdentifier / organization**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="organization" type="string" minOccurs="0"/&gt;</code>				

**Element recordIdentifier / localId**


Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="localId" type="string" minOccurs="0"/&gt;</code>				

**Element recordIdentifier / animalId**

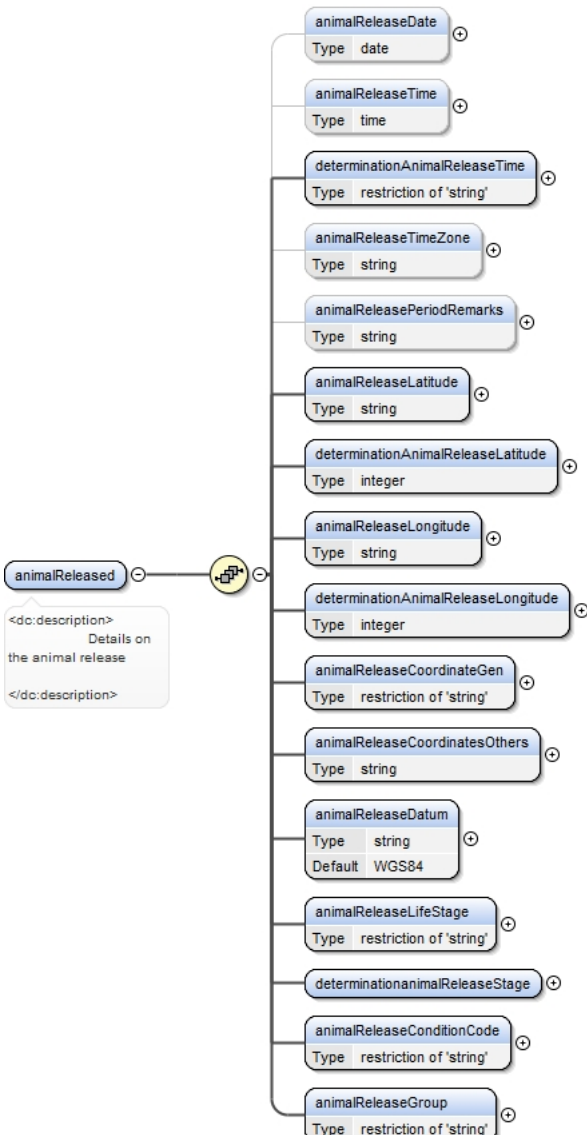
Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="animalId" type="string" minOccurs="0"/&gt;</code>				

**Element recordIdentifier / animalIdCount**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
-----------	--------------------------------------

Diagram					
Type	restriction of integer				
Properties	content: simple				
Facets	<table border="1"> <tr> <td>maxInclusive</td> <td>999</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>	maxInclusive	999	minInclusive	0
maxInclusive	999				
minInclusive	0				
Source	<pre> &lt;element name="animalIdCount"&gt;   &lt;simpleType&gt;     &lt;restriction base="integer"&gt;       &lt;minInclusive value="0"/&gt;       &lt;maxInclusive value="999"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>				

## Element animalReleased

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>Details on the animal release</dc:description>
Diagram	
Properties	content: complex
Model	animalReleaseDate{0,1} , animalReleaseTime{0,1} , determinationAnimalReleaseTime , animalReleaseTimeZone{0,1} , animalReleasePeriodRemarks{0,1} , animalReleaseLatitude , determinationAnimalReleaseLatitude , animalReleaseLongitude ,

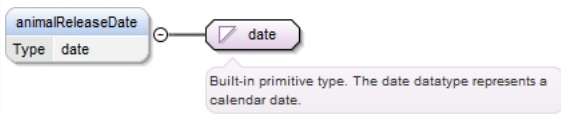
	determinationAnimalReleaseLongitude , animalReleaseCoordinateGen , animalReleaseCoordinatesOthers , animalReleaseDatum , animalReleaseLifeStage , determinationanimalReleaseStage , animalReleaseConditionCode , animalReleaseGroup
Children	animalReleaseConditionCode, animalReleaseCoordinateGen, animalReleaseCoordinatesOthers, animalReleaseDate, animalReleaseDatum, animalReleaseGroup, animalReleaseLatitude, animalReleaseLifeStage, animalReleaseLongitude, animalReleasePeriodRemarks, animalReleaseTime, animalReleaseTimeZone, determinationAnimalReleaseLatitude, determinationAnimalReleaseLongitude, determinationAnimalReleaseTime, determinationanimalReleaseStage
Instance	<pre> &lt;animalReleased xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;animalReleaseDate&gt;{0,1}&lt;/animalReleaseDate&gt;   &lt;animalReleaseTime&gt;{0,1}&lt;/animalReleaseTime&gt;   &lt;determinationAnimalReleaseTime&gt;{1,1}&lt;/determinationAnimalReleaseTime&gt;   &lt;animalReleaseTimeZone&gt;{0,1}&lt;/animalReleaseTimeZone&gt;   &lt;animalReleasePeriodRemarks&gt;{0,1}&lt;/animalReleasePeriodRemarks&gt;   &lt;animalReleaseLatitude&gt;{1,1}&lt;/animalReleaseLatitude&gt;   &lt;determinationAnimalReleaseLatitude&gt;{1,1}&lt;/determinationAnimalReleaseLatitude&gt;   &lt;animalReleaseLongitude&gt;{1,1}&lt;/animalReleaseLongitude&gt;   &lt;determinationAnimalReleaseLongitude&gt;{1,1}&lt;/determinationAnimalReleaseLongitude&gt;   &lt;animalReleaseCoordinateGen&gt;{1,1}&lt;/animalReleaseCoordinateGen&gt;   &lt;animalReleaseCoordinatesOthers&gt;{1,1}&lt;/animalReleaseCoordinatesOthers&gt;   &lt;animalReleaseDatum&gt;{1,1}&lt;/animalReleaseDatum&gt;   &lt;animalReleaseLifeStage&gt;{1,1}&lt;/animalReleaseLifeStage&gt;   &lt;determinationanimalReleaseStage&gt;{1,1}&lt;/determinationanimalReleaseStage&gt;   &lt;animalReleaseConditionCode&gt;{1,1}&lt;/animalReleaseConditionCode&gt;   &lt;animalReleaseGroup&gt;{1,1}&lt;/animalReleaseGroup&gt; &lt;/animalReleased&gt; </pre>
Source	<pre> &lt;element name="animalReleased"&gt;   &lt;annotation&gt;     &lt;documentation&gt;       &lt;dc:description&gt;Details on the animal release&lt;/dc:description&gt;     &lt;/documentation&gt;   &lt;/annotation&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="animalReleaseDate" type="date" minOccurs="0"/&gt;       &lt;element name="animalReleaseTime" type="time" minOccurs="0"/&gt;       &lt;element name="determinationAnimalReleaseTime"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="actual estimate"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="animalReleaseTimeZone" type="string" minOccurs="0"/&gt;       &lt;element name="animalReleasePeriodRemarks" type="string" minOccurs="0"/&gt;       &lt;element name="animalReleaseLatitude" type="string"/&gt;       &lt;element name="determinationAnimalReleaseLatitude" type="integer"/&gt;       &lt;element name="animalReleaseLongitude" type="string"/&gt;       &lt;element name="determinationAnimalReleaseLongitude" type="integer"/&gt;       &lt;element name="animalReleaseCoordinateGen"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="electronic map GPS device hardcopy map others"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="animalReleaseCoordinatesOthers" type="string"/&gt;       &lt;element name="animalReleaseDatum" type="string" default="WGS84"/&gt;       &lt;element name="animalReleaseLifeStage"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="sexually mature sexually immature unknown"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationanimalReleaseStage"&gt;         &lt;complexType&gt;           &lt;sequence&gt;             &lt;element name="determinationStageAge"&gt;               &lt;simpleType&gt;                 &lt;restriction base="string"&gt;                   &lt;pattern value="true false"/&gt;                 &lt;/restriction&gt;               &lt;/simpleType&gt;             &lt;/element&gt;             &lt;element name="determinationStageAssocOffspring"&gt;               &lt;simpleType&gt;                 &lt;restriction base="string"&gt;                   &lt;pattern value="true false"/&gt;                 &lt;/restriction&gt;               &lt;/simpleType&gt;             &lt;/element&gt;           &lt;/sequence&gt;         &lt;/complexType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt; </pre>

```

<element name="determinationStageExtMorp">
  <simpleType>
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>
<element name="determinationStageExtMorpRemote">
  <simpleType>
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>
<element name="determinationStageInteralGrossExam">
  <simpleType>
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>
<element name="determinationStageUltrasound">
  <simpleType>
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>
<element name="determinationStageOthers">
  <simpleType>
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>
<element name="determinationStageRemarks" type="string" minOccurs="0"/>
</sequence>
</complexType>
</element>
<element name="animalReleaseConditionCode">
  <simpleType>
    <restriction base="string">
      <pattern value="alive||fresh dead|moderate decomposition|advanced decomposition|
mummified/skeletal|dead, condition unknown"/>
    </restriction>
  </simpleType>
</element>
<element name="animalReleaseGroup">
  <simpleType>
    <restriction base="string">
      <pattern value="singly|with others"/>
    </restriction>
  </simpleType>
</element>
</sequence>
</complexType>
</element>

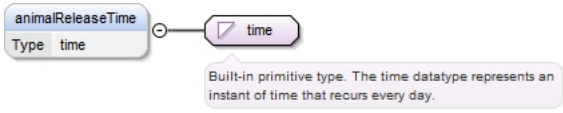
```

## Element animalReleased / animalReleaseDate


Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram			
Type	date		
Properties	content:	simple	
	minOccurs:	0	
Source	<element name="animalReleaseDate" type="date" minOccurs="0" />		

## Element animalReleased / animalReleaseTime

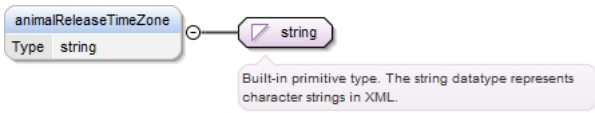
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
-----------	--------------------------------------

Diagram	
Type	time
Properties	content: simple minOccurs: 0
Source	<code>&lt;element name="animalReleaseTime" type="time" minOccurs="0"/&gt;</code>

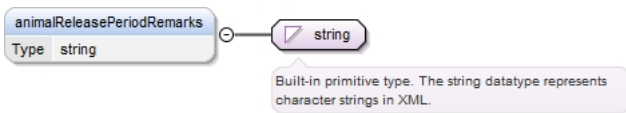
### Element animalReleased / determinationAnimalReleaseTime

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern actual estimate
Source	<pre> &lt;element name="determinationAnimalReleaseTime"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="actual estimate"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

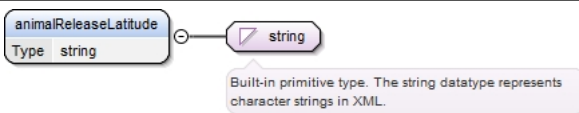
### Element animalReleased / animalReleaseTimeZone

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<code>&lt;element name="animalReleaseTimeZone" type="string" minOccurs="0"/&gt;</code>

### Element animalReleased / animalReleasePeriodRemarks

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<code>&lt;element name="animalReleasePeriodRemarks" type="string" minOccurs="0"/&gt;</code>

### Element animalReleased / animalReleaseLatitude

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string

Properties	content: simple
Source	<code>&lt;element name="animalReleaseLatitude" type="string"/&gt;</code>

**Element animalReleased / determinationAnimalReleaseLatitude**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	integer
Properties	content: simple
Source	<code>&lt;element name="determinationAnimalReleaseLatitude" type="integer"/&gt;</code>

**Element animalReleased / animalReleaseLongitude**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	string
Properties	content: simple
Source	<code>&lt;element name="animalReleaseLongitude" type="string"/&gt;</code>

**Element animalReleased / determinationAnimalReleaseLongitude**

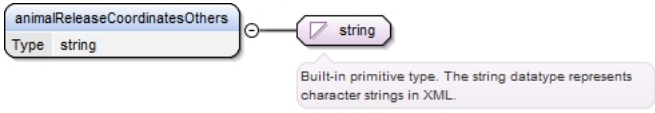
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>Built-in derived type. The integer datatype is derived from decimal by fixing the value of fractionDigits to be 0. This...</p>
Type	integer
Properties	content: simple
Source	<code>&lt;element name="determinationAnimalReleaseLongitude" type="integer"/&gt;</code>

**Element animalReleased / animalReleaseCoordinateGen**

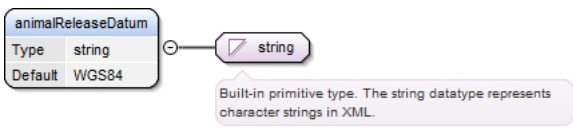
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern electronic map GPS device hardcopy map others
Source	<pre> &lt;element name="animalReleaseCoordinateGen"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="electronic map GPS device hardcopy map others"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

**Element animalReleased / animalReleaseCoordinatesOthers**

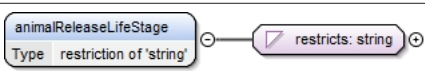
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
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Diagram	 <p>The diagram shows an element box labeled 'animalReleaseCoordinatesOthers' with 'Type string' below it. A line connects this box to a 'string' primitive type box. A callout bubble points to the 'string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	string
Properties	content: simple
Source	<code>&lt;element name="animalReleaseCoordinatesOthers" type="string"/&gt;</code>

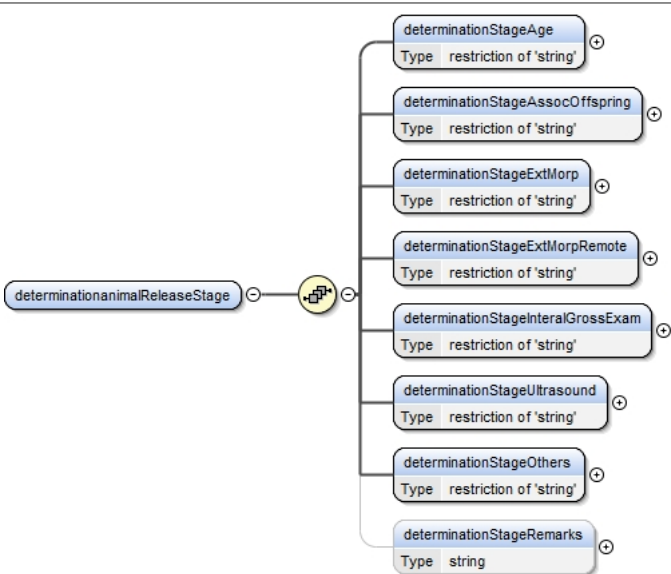
### Element animalReleased / animalReleaseDatum

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows an element box labeled 'animalReleaseDatum' with 'Type string' and 'Default WGS84' below it. A line connects this box to a 'string' primitive type box. A callout bubble points to the 'string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	string
Properties	content: simple default: WGS84
Source	<code>&lt;element name="animalReleaseDatum" type="string" default="WGS84"/&gt;</code>

### Element animalReleased / animalReleaseLifeStage

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows an element box labeled 'animalReleaseLifeStage' with 'Type restriction of 'string'' below it. A line connects this box to a 'restricts: string' box. A callout bubble points to the 'restricts: string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	restriction of string
Properties	content: simple
Facets	pattern sexually mature sexually immature unknown
Source	<pre> &lt;element name="animalReleaseLifeStage"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="sexually mature sexually immature unknown"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

### Element animalReleased / determinationanimalReleaseStage


Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows an element box labeled 'determinationanimalReleaseStage' with 'Type restriction of 'string'' below it. A line connects this box to a complex structure. This structure consists of a central box with a plus sign and a line connecting it to a vertical list of eight element boxes. Each box has a 'Type' and a 'restriction of 'string'' type. The elements are: 'determinationStageAge', 'determinationStageAssocOffspring', 'determinationStageExtMorp', 'determinationStageExtMorpRemote', 'determinationStageInternalGrossExam', 'determinationStageUltrasound', 'determinationStageOthers', and 'determinationStageRemarks'.</p>

Properties	content: complex
Model	determinationStageAge , determinationStageAssocOffspring , determinationStageExtMorp , determinationStageExtMorpRemote , determinationStageInternalGrossExam , determinationStageUltrasound , determinationStageOthers , determinationStageRemarks{0,1}
Children	determinationStageAge, determinationStageAssocOffspring, determinationStageExtMorp, determinationStageExtMorpRemote, determinationStageInternalGrossExam, determinationStageOthers, determinationStageRemarks, determinationStageUltrasound
Instance	<pre>&lt;determinationanimalReleaseStage xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;determinationStageAge&gt;{1,1}&lt;/determinationStageAge&gt;   &lt;determinationStageAssocOffspring&gt;{1,1}&lt;/determinationStageAssocOffspring&gt;   &lt;determinationStageExtMorp&gt;{1,1}&lt;/determinationStageExtMorp&gt;   &lt;determinationStageExtMorpRemote&gt;{1,1}&lt;/determinationStageExtMorpRemote&gt;   &lt;determinationStageInternalGrossExam&gt;{1,1}&lt;/determinationStageInternalGrossExam&gt;   &lt;determinationStageUltrasound&gt;{1,1}&lt;/determinationStageUltrasound&gt;   &lt;determinationStageOthers&gt;{1,1}&lt;/determinationStageOthers&gt;   &lt;determinationStageRemarks&gt;{0,1}&lt;/determinationStageRemarks&gt; &lt;/determinationanimalReleaseStage&gt;</pre>
Source	<pre>&lt;element name="determinationanimalReleaseStage"&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="determinationStageAge"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageAssocOffspring"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageExtMorp"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageExtMorpRemote"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageInternalGrossExam"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageUltrasound"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageOthers"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="true false"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="determinationStageRemarks" type="string" minOccurs="0"/&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt;</pre>


### Element animalReleased / determinationanimalReleaseStage / determinationStageAge

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
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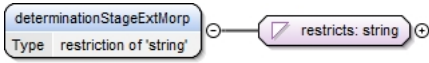


Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre>&lt;element name="determinationStageAge"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

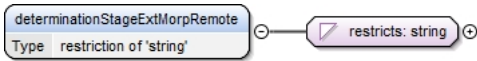
### Element animalReleased / determinationanimalReleaseStage / determinationStageAssocOffspring

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre>&lt;element name="determinationStageAssocOffspring"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

### Element animalReleased / determinationanimalReleaseStage / determinationStageExtMorp

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre>&lt;element name="determinationStageExtMorp"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

### Element animalReleased / determinationanimalReleaseStage / determinationStageExtMorpRemote

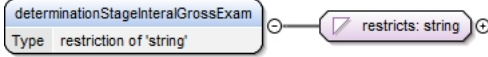
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre>&lt;element name="determinationStageExtMorpRemote"&gt;   &lt;simpleType&gt;</pre>

```

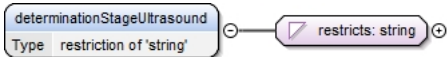
    <restriction base="string">
      <pattern value="true|false"/>
    </restriction>
  </simpleType>
</element>

```


### Element animalReleased / determinationanimalReleaseStage / determinationStageInterGalGrossExam

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre> &lt;element name="determinationStageInterGalGrossExam"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

### Element animalReleased / determinationanimalReleaseStage / determinationStageUltrasound

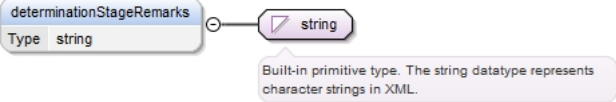
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre> &lt;element name="determinationStageUltrasound"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

### Element animalReleased / determinationanimalReleaseStage / determinationStageOthers


Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern true false
Source	<pre> &lt;element name="determinationStageOthers"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="true false"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>

### Element animalReleased / determinationanimalReleaseStage / determinationStageRemarks


Namespace	http://data.gcoos.org/mmhmap/xml/1.0
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Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="determinationStageRemarks" type="string" minOccurs="0"/&gt;</code>				

## Element animalReleased / animalReleaseConditionCode

Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram			
Type	restriction of string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Facets	<table> <tr> <td>pattern</td><td>           alive  fresh dead             moderate decomposition             advanced decomposition             mummified/skeletal dead,            condition unknown         </td></tr> </table>	pattern	alive  fresh dead  moderate decomposition  advanced decomposition  mummified/skeletal dead, condition unknown
pattern	alive  fresh dead  moderate decomposition  advanced decomposition  mummified/skeletal dead, condition unknown		
Source	<pre> &lt;element name="animalReleaseConditionCode"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="alive  fresh dead moderate decomposition advanced decomposition mummified/skeletal dead, condition unknown"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>		

## Element animalReleased / animalReleaseGroup

Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram			
Type	restriction of string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Facets	<table> <tr> <td>pattern</td><td>singly with others</td></tr> </table>	pattern	singly with others
pattern	singly with others		
Source	<pre> &lt;element name="animalReleaseGroup"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="singly with others"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>		

## Element animalMorphometrics

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<code>&lt;dc:description&gt;Morphometric details of the animal released&lt;/dc:description&gt;</code>

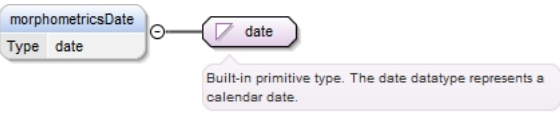
Diagram	<pre> classDiagram     class animalMorphometrics {         &lt;dc:description&gt; Morphometric details of the animal released &lt;/dc:description&gt;         morphometricsDate date         morphometricsTime time         morphometricsItem restriction of 'string'         morphometricsItemRemarks string         morphometricsStandardLength         morphometricsMaxGirth         morphometricsBladderDepthSternal         morphometricsBodyMass     } </pre>
Properties	content: complex
Model	morphometricsDate{0,1} , morphometricsTime{0,1} , morphometricsItem , morphometricsItemRemarks{0,1} , morphometricsStandardLength , morphometricsMaxGirth , morphometricsBladderDepthSternal , morphometricsBodyMass
Children	morphometricsBladderDepthSternal, morphometricsBodyMass, morphometricsDate, morphometricsItem, morphometricsItemRemarks, morphometricsMaxGirth, morphometricsStandardLength, morphometricsTime
Instance	<pre> &lt;animalMorphometrics xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;morphometricsDate&gt;{0,1}&lt;/morphometricsDate&gt;   &lt;morphometricsTime&gt;{0,1}&lt;/morphometricsTime&gt;   &lt;morphometricsItem&gt;{1,1}&lt;/morphometricsItem&gt;   &lt;morphometricsItemRemarks&gt;{0,1}&lt;/morphometricsItemRemarks&gt;   &lt;morphometricsStandardLength&gt;{1,1}&lt;/morphometricsStandardLength&gt;   &lt;morphometricsMaxGirth&gt;{1,1}&lt;/morphometricsMaxGirth&gt;   &lt;morphometricsBladderDepthSternal&gt;{1,1}&lt;/morphometricsBladderDepthSternal&gt;   &lt;morphometricsBodyMass&gt;{1,1}&lt;/morphometricsBodyMass&gt; &lt;/animalMorphometrics&gt; </pre>
Source	<pre> &lt;element name="animalMorphometrics"&gt;   &lt;annotation&gt;     &lt;documentation&gt;       &lt;dc:description&gt;Morphometric details of the animal released&lt;/dc:description&gt;     &lt;/documentation&gt;   &lt;/annotation&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="morphometricsDate" type="date" minOccurs="0"/&gt;       &lt;element name="morphometricsTime" type="time" minOccurs="0"/&gt;       &lt;element name="morphometricsItem"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="partial whole"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;       &lt;element name="morphometricsItemRemarks" type="string" minOccurs="0"/&gt;       &lt;element name="morphometricsStandardLength"&gt;         &lt;complexType&gt;           &lt;sequence&gt;             &lt;element name="morphometricsStandardLengthMeasure" type="float" minOccurs="0"/&gt;             &lt;element name="morphometricsStandardLengthUnit" type="string" minOccurs="0"/&gt;             &lt;element name="morphometricsStandardLengthCertainty"&gt;               &lt;simpleType&gt;                 &lt;restriction base="string"&gt;                   &lt;pattern value="actual estimate"/&gt;                 &lt;/restriction&gt;               &lt;/simpleType&gt;             &lt;/element&gt;           &lt;/sequence&gt;         &lt;/complexType&gt;       &lt;/element&gt;       &lt;element name="morphometricsMaxGirth"&gt;         &lt;complexType&gt;           &lt;sequence&gt;             &lt;element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/&gt;             &lt;element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/&gt;             &lt;element name="morphometricsMaxGirthCertainty"&gt;               &lt;simpleType&gt;                 &lt;restriction base="string"&gt;                   &lt;pattern value="actual estimate"/&gt;                 &lt;/restriction&gt;               &lt;/simpleType&gt;             &lt;/element&gt;           &lt;/sequence&gt;         &lt;/complexType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt; </pre>

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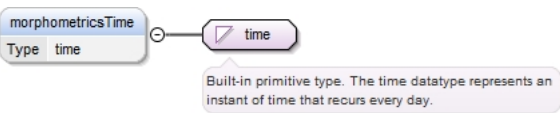
        </restriction>
      </simpleType>
    </element>
  </sequence>
</complexType>
</element>
<element name="morphometricsBladderDepthSternal">
  <complexType>
    <sequence>
      <element name="morphometricsBladderDepthSternalMeasure" type="float" minOccurs="0"/>
      <element name="morphometricsBladderDepthSternalUnit" type="string" minOccurs="0"/>
      <element name="morphometricsBladderDepthSternalCertainty">
        <simpleType>
          <restriction base="string">
            <pattern value="actual|estimate"/>
          </restriction>
        </simpleType>
      </element>
    </sequence>
  </complexType>
</element>
<element name="morphometricsBodyMass">
  <complexType>
    <sequence>
      <element name="morphometricsBodyMassMeasure" type="float" minOccurs="0"/>
      <element name="morphometricsBodyMassUnit" type="string" minOccurs="0"/>
      <element name="morphometricsBodyMassCertainty">
        <simpleType>
          <restriction base="string">
            <pattern value="actual|estimate"/>
          </restriction>
        </simpleType>
      </element>
    </sequence>
  </complexType>
</element>
</sequence>
</complexType>
</element>

```

### Element animalMorphometrics / morphometricsDate

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	date
Properties	content: simple minOccurs: 0
Source	<code>&lt;element name="morphometricsDate" type="date" minOccurs="0"/&gt;</code>

### Element animalMorphometrics / morphometricsTime

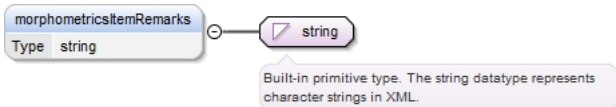
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	time
Properties	content: simple minOccurs: 0
Source	<code>&lt;element name="morphometricsTime" type="time" minOccurs="0"/&gt;</code>

### Element animalMorphometrics / morphometricsItem

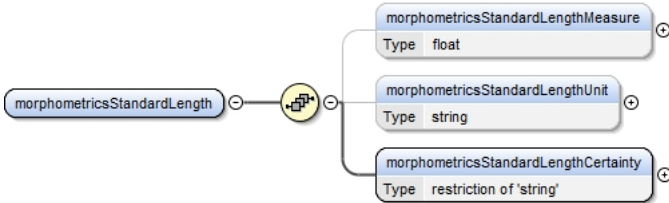
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
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Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern partial whole
Source	<pre>&lt;element name="morphometricsItem"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="partial whole"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

### Element animalMorphometrics / morphometricsItemRemarks

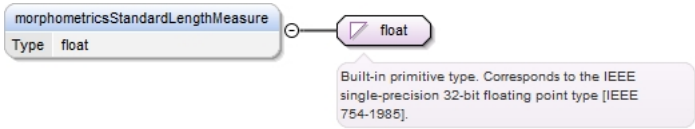
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<pre>&lt;element name="morphometricsItemRemarks" type="string" minOccurs="0"/&gt;</pre>

### Element animalMorphometrics / morphometricsStandardLength

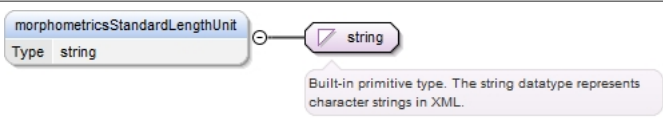
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Properties	content: complex
Model	morphometricsStandardLengthMeasure{0,1} , morphometricsStandardLengthUnit{0,1} , morphometricsStandardLengthCertainty
Children	morphometricsStandardLengthCertainty, morphometricsStandardLengthMeasure, morphometricsStandardLengthUnit
Instance	<pre>&lt;morphometricsStandardLength xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;morphometricsStandardLengthMeasure&gt;{0,1}&lt;/morphometricsStandardLengthMeasure&gt;   &lt;morphometricsStandardLengthUnit&gt;{0,1}&lt;/morphometricsStandardLengthUnit&gt;   &lt;morphometricsStandardLengthCertainty&gt;{1,1}&lt;/morphometricsStandardLengthCertainty&gt; &lt;/morphometricsStandardLength&gt;</pre>
Source	<pre>&lt;element name="morphometricsStandardLength"&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="morphometricsStandardLengthMeasure" type="float" minOccurs="0"/&gt;       &lt;element name="morphometricsStandardLengthUnit" type="string" minOccurs="0"/&gt;       &lt;element name="morphometricsStandardLengthCertainty"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="actual estimate"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt;</pre>

### Element animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthMeasure


Namespace	http://data.gcoos.org/mmhmap/xml/1.0
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Diagram	
Type	float
Properties	content: simple minOccurs: 0
Source	<pre>&lt;element name="morphometricsStandardLengthMeasure" type="float" minOccurs="0"/&gt;</pre>

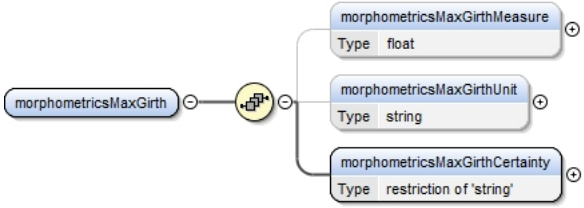
### Element animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthUnit

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<pre>&lt;element name="morphometricsStandardLengthUnit" type="string" minOccurs="0"/&gt;</pre>

### Element animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthCertainty

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern actual estimate
Source	<pre>&lt;element name="morphometricsStandardLengthCertainty"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="actual estimate"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

### Element animalMorphometrics / morphometricsMaxGirth

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Properties	content: complex
Model	morphometricsMaxGirthMeasure{0,1} , morphometricsMaxGirthUnit{0,1} , morphometricsMaxGirthCertainty
Children	morphometricsMaxGirthCertainty, morphometricsMaxGirthMeasure, morphometricsMaxGirthUnit
Instance	<pre>&lt;morphometricsMaxGirth xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;morphometricsMaxGirthMeasure&gt;{0,1}&lt;/morphometricsMaxGirthMeasure&gt;</pre>

	<pre> &lt;morphometricsMaxGirthUnit&gt;{0,1}&lt;/morphometricsMaxGirthUnit&gt; &lt;morphometricsMaxGirthCertainty&gt;{1,1}&lt;/morphometricsMaxGirthCertainty&gt; &lt;/morphometricsMaxGirth&gt; </pre>
Source	<pre> &lt;element name="morphometricsMaxGirth"&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/&gt;       &lt;element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/&gt;       &lt;element name="morphometricsMaxGirthCertainty"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="actual estimate"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt; </pre>

### Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthMeasure

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>The diagram shows a box labeled 'morphometricsMaxGirthMeasure' with 'Type float' below it. An arrow points from this box to a 'float' primitive type box. A callout box explains: 'Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985].'</p>
Type	float
Properties	content: simple minOccurs: 0
Source	<pre> &lt;element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/&gt; </pre>

### Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthUnit

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>The diagram shows a box labeled 'morphometricsMaxGirthUnit' with 'Type string' below it. An arrow points from this box to a 'string' primitive type box. A callout box explains: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	string
Properties	content: simple minOccurs: 0
Source	<pre> &lt;element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/&gt; </pre>

### Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthCertainty

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<p>The diagram shows a box labeled 'morphometricsMaxGirthCertainty' with 'Type restriction of 'string'' below it. An arrow points from this box to a 'restricts: string' box. A callout box explains: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	restriction of string
Properties	content: simple
Facets	pattern actual estimate
Source	<pre> &lt;element name="morphometricsMaxGirthCertainty"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="actual estimate"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>



**Element animalMorphometrics / morphometricsBladderDepthSternal**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Properties	content: complex
Model	morphometricsBladderDepthSternalMeasure{0,1} , morphometricsBladderDepthSternalUnit{0,1} , morphometricsBladderDepthSternalCertainty
Children	morphometricsBladderDepthSternalCertainty, morphometricsBladderDepthSternalMeasure, morphometricsBladderDepthSternalUnit
Instance	<pre>&lt;morphometricsBladderDepthSternal xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;morphometricsBladderDepthSternalMeasure&gt;{0,1}&lt;/morphometricsBladderDepthSternalMeasure&gt;   &lt;morphometricsBladderDepthSternalUnit&gt;{0,1}&lt;/morphometricsBladderDepthSternalUnit&gt;   &lt;morphometricsBladderDepthSternalCertainty&gt;{1,1}&lt;/morphometricsBladderDepthSternalCertainty&gt; &lt;/morphometricsBladderDepthSternal&gt;</pre>
Source	<pre>&lt;element name="morphometricsBladderDepthSternal"&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="morphometricsBladderDepthSternalMeasure" type="float" minOccurs="0"/&gt;       &lt;element name="morphometricsBladderDepthSternalUnit" type="string" minOccurs="0"/&gt;       &lt;element name="morphometricsBladderDepthSternalCertainty"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="actual estimate"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt;</pre>

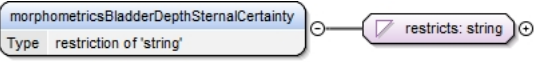
**Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalMeasure**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	float
Properties	content: simple minOccurs: 0
Source	<pre>&lt;element name="morphometricsBladderDepthSternalMeasure" type="float" minOccurs="0"/&gt;</pre>

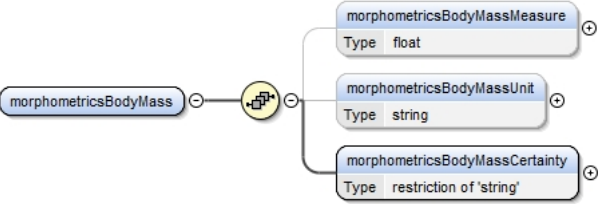
**Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalUnit**

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple minOccurs: 0
Source	<pre>&lt;element name="morphometricsBladderDepthSternalUnit" type="string" minOccurs="0"/&gt;</pre>

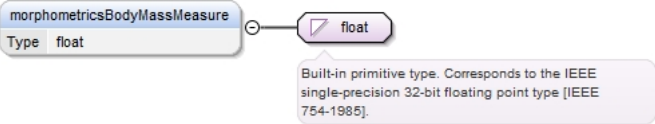
## Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalCertainty

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of string
Properties	content: simple
Facets	pattern: actual estimate
Source	<pre>&lt;element name="morphometricsBladderDepthSternalCertainty"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="actual estimate"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt;</pre>

## Element animalMorphometrics / morphometricsBodyMass

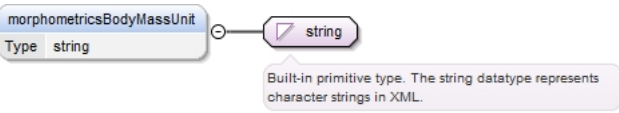
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Properties	content: complex
Model	morphometricsBodyMassMeasure{0,1} , morphometricsBodyMassUnit{0,1} , morphometricsBodyMassCertainty
Children	morphometricsBodyMassCertainty, morphometricsBodyMassMeasure, morphometricsBodyMassUnit
Instance	<pre>&lt;morphometricsBodyMass xmlns="http://data.gcoos.org/mmhmap/xml/1.0"&gt;   &lt;morphometricsBodyMassMeasure&gt;{0,1}&lt;/morphometricsBodyMassMeasure&gt;   &lt;morphometricsBodyMassUnit&gt;{0,1}&lt;/morphometricsBodyMassUnit&gt;   &lt;morphometricsBodyMassCertainty&gt;{1,1}&lt;/morphometricsBodyMassCertainty&gt; &lt;/morphometricsBodyMass&gt;</pre>
Source	<pre>&lt;element name="morphometricsBodyMass"&gt;   &lt;complexType&gt;     &lt;sequence&gt;       &lt;element name="morphometricsBodyMassMeasure" type="float" minOccurs="0"/&gt;       &lt;element name="morphometricsBodyMassUnit" type="string" minOccurs="0"/&gt;       &lt;element name="morphometricsBodyMassCertainty"&gt;         &lt;simpleType&gt;           &lt;restriction base="string"&gt;             &lt;pattern value="actual estimate"/&gt;           &lt;/restriction&gt;         &lt;/simpleType&gt;       &lt;/element&gt;     &lt;/sequence&gt;   &lt;/complexType&gt; &lt;/element&gt;</pre>

## Element animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassMeasure

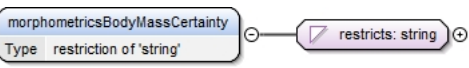
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	float
Properties	content: simple
	minOccurs: 0

Source	<code>&lt;element name="morphometricsBodyMassMeasure" type="float" minOccurs="0"/&gt;</code>
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### Element `animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassUnit`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram					
Type	string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code>&lt;element name="morphometricsBodyMassUnit" type="string" minOccurs="0"/&gt;</code>				

### Element `animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassCertainty`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram			
Type	restriction of string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		
Facets	<table> <tr> <td>pattern</td><td>actual estimate</td></tr> </table>	pattern	actual estimate
pattern	actual estimate		
Source	<pre> &lt;element name="morphometricsBodyMassCertainty"&gt;   &lt;simpleType&gt;     &lt;restriction base="string"&gt;       &lt;pattern value="actual estimate"/&gt;     &lt;/restriction&gt;   &lt;/simpleType&gt; &lt;/element&gt; </pre>		