

Appendix F. Animal Died/Euthanized

NOTE: The following is the proposed data schema definition (XSD) followed by the documentation for animals that died or euthanized records that may 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, Died or Euthanized
  ===== -->

  <element name="animalDied">
    <annotation>
      <documentation>
        <dc:description>

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        Details on the animal Died
    </dc:description>
</documentation>
</annotation>
<complexType>
    <sequence>
        <element name="animalDiedate" type="date" minOccurs="0"/>
        <element name="animalDiedTime" type="time" minOccurs="0"/>
        <element name="determinationAnimalDiedTime">
            <simpleType>
                <restriction base="string">
                    <pattern value="actual|estimate"/>
                </restriction>
            </simpleType>
        </element>
        <element name="animalDiedTimeZone" type="string" minOccurs="0"/>
        <element name="animalDiedPeriodRemarks" type="string" minOccurs="0"/>

        <element name="animalDiedLocation">
            <simpleType>
                <restriction base="string">
                    <pattern value="Same as initial event location|Rehabilitation Facility|Others"/>
                </restriction>
            </simpleType>
        </element>
        <element name="animalDiedReason" type="string"/>
        <element name="animalDiedEuthanizer" type="string"/>
    </sequence>
</complexType>
</element>
<!-- =====
                Element: Animal Update, Weigh|Morphometrics
                ===== -->
<element name="animalMorphometrics">
    <annotation>
        <documentation>
            <dc:description>
                Morphometric details of the animal Died
            </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 animalDied.xsd

Table of Contents

Namespace: "http://data.gcoos.org/mmhmap/xml/1.0"	1
Schema(s)	1
Main schema animalDied.xsd	1
Element(s)	2
Element recordIdentifier	2
Element recordIdentifier / recId	2
Element recordIdentifier / organization	3
Element recordIdentifier / localId	3
Element recordIdentifier / animalId	3
Element recordIdentifier / animalIdCount	3
Element animalDied	4
Element animalDied / animalDieddate	5
Element animalDied / animalDiedTime	5
Element animalDied / determinationAnimalDiedTime	5
Element animalDied / animalDiedTimeZone	5
Element animalDied / animalDiedPeriodRemarks	6
Element animalDied / animalDiedLocation	6
Element animalDied / animalDiedReason	6
Element animalDied / animalDiedEuthanizer	6
Element animalMorphometrics	7
Element animalMorphometrics / morphometricsDate	8
Element animalMorphometrics / morphometricsTime	8
Element animalMorphometrics / morphometricsItem	9
Element animalMorphometrics / morphometricsItemRemarks	9
Element animalMorphometrics / morphometricsStandardLength	9
Element animalMorphometrics / morphometricsStandardLength /	
morphometricsStandardLengthMeasure	10
Element animalMorphometrics / morphometricsStandardLength /	
morphometricsStandardLengthUnit	10
Element animalMorphometrics / morphometricsStandardLength /	
morphometricsStandardLengthCertainty	10
Element animalMorphometrics / morphometricsMaxGirth	10
Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthMeasure	11
Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthUnit	11
Element animalMorphometrics / morphometricsMaxGirth / morphometricsMaxGirthCertainty	11
Element animalMorphometrics / morphometricsBladderDepthSternal	12
Element animalMorphometrics / morphometricsBladderDepthSternal /	
morphometricsBladderDepthSternalMeasure	12
Element animalMorphometrics / morphometricsBladderDepthSternal /	
morphometricsBladderDepthSternalUnit	12
Element animalMorphometrics / morphometricsBladderDepthSternal /	
morphometricsBladderDepthSternalCertainty	13
Element animalMorphometrics / morphometricsBodyMass	13
Element animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassMeasure	13
Element animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassUnit	14
Element animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassCertainty	14

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

Schema(s)

Main schema animalDied.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
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Element(s)

Element recordIdentifier

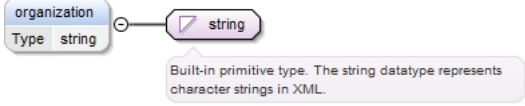
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>Record identifier based on a proposed presistent record identifier for HealthMAP</dc:description>
Diagram	
Properties	content: complex
Model	recId{0,1} , organization{0,1} , localId{0,1} , animalId{0,1} , animalIdCount
Children	animalId, animalIdCount, localId, organization, recId
Instance	<pre><recordIdentifier xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <recId>{0,1}</recId> <organization>{0,1}</organization> <localId>{0,1}</localId> <animalId>{0,1}</animalId> <animalIdCount>{1,1}</animalIdCount> </recordIdentifier></pre>
Source	<pre><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></pre>

Element recordIdentifier / recId

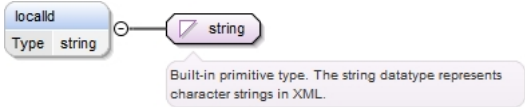
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple

	minOccurs: 0
Source	<code><element name="recId" type="string" minOccurs="0"/></code>

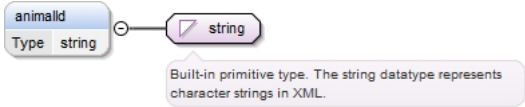
Element recordIdentifier / organization

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

Element recordIdentifier / localId

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

Element recordIdentifier / animalId

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

Element recordIdentifier / animalIdCount

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	restriction of integer
Properties	content: simple
Facets	maxInclusive 999 minInclusive 0
Source	<pre><element name="animalIdCount"> <simpleType> <restriction base="integer"> <minInclusive value="0"/> </restriction> </simpleType> </element></pre>


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        <maxInclusive value="999"/>
      </restriction>
    </simpleType>
  </element>

```

Element animalDied

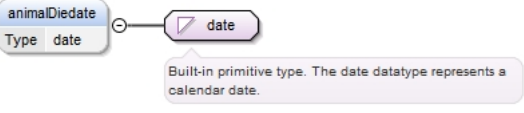
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>Details on the animal Died</dc:description>
Diagram	
Properties	content: complex
Model	animalDieddate{0,1} , animalDiedTime{0,1} , determinationAnimalDiedTime , animalDiedTimeZone{0,1} , animalDiedPeriodRemarks{0,1} , animalDiedLocation , animalDiedReason , animalDiedEuthanizer
Children	animalDiedEuthanizer, animalDiedLocation, animalDiedPeriodRemarks, animalDiedReason, animalDiedTime, animalDiedTimeZone, animalDieddate, determinationAnimalDiedTime
Instance	<pre> <animalDied xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <animalDieddate>{0,1}</animalDieddate> <animalDiedTime>{0,1}</animalDiedTime> <determinationAnimalDiedTime>{1,1}</determinationAnimalDiedTime> <animalDiedTimeZone>{0,1}</animalDiedTimeZone> <animalDiedPeriodRemarks>{0,1}</animalDiedPeriodRemarks> <animalDiedLocation>{1,1}</animalDiedLocation> <animalDiedReason>{1,1}</animalDiedReason> <animalDiedEuthanizer>{1,1}</animalDiedEuthanizer> </animalDied> </pre>
Source	<pre> <element name="animalDied"> <annotation> <documentation> <dc:description>Details on the animal Died</dc:description> </documentation> </annotation> <complexType> <sequence> <element name="animalDieddate" type="date" minOccurs="0"/> <element name="animalDiedTime" type="time" minOccurs="0"/> <element name="determinationAnimalDiedTime"> <simpleType> <restriction base="string"> <pattern value="actual estimate"/> </restriction> </simpleType> </element> <element name="animalDiedTimeZone" type="string" minOccurs="0"/> <element name="animalDiedPeriodRemarks" type="string" minOccurs="0"/> <element name="animalDiedLocation"> <simpleType> <restriction base="string"> <pattern value="Same as initial event location Rehabilitation Facility Others"/> </restriction> </simpleType> </element> </sequence> </complexType> </element> </pre>

```

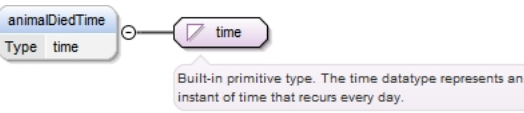
<element name="animalDiedReason" type="string"/>
<element name="animalDiedEuthanizer" type="string"/>
</sequence>
</complexType>
</element>

```

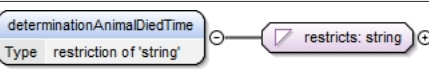
Element animalDied / animalDieddate

Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram	 <p>Diagram illustrating the structure of the <code>animalDieddate</code> element. It is connected to the <code>date</code> primitive type. A note states: "Built-in primitive type. The date datatype represents a calendar date."</p>				
Type	date				
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><element name="animalDieddate" type="date" minOccurs="0"/></code>				

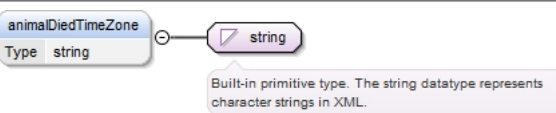
Element animalDied / animalDiedTime

Namespace	http://data.gcoos.org/mmhmap/xml/1.0				
Diagram	 <p>Diagram illustrating the structure of the <code>animalDiedTime</code> element. It is connected to the <code>time</code> primitive type. A note states: "Built-in primitive type. The time datatype represents an instant of time that recurs every day."</p>				
Type	time				
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><element name="animalDiedTime" type="time" minOccurs="0"/></code>				

Element animalDied / determinationAnimalDiedTime

Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram	 <p>Diagram illustrating the structure of the <code>determinationAnimalDiedTime</code> element. It is connected to the <code>restriction of 'string'</code> type. A note states: "restricts: string".</p>		
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> <element name="determinationAnimalDiedTime"> <simpleType> <restriction base="string"> <pattern value="actual estimate"/> </restriction> </simpleType> </element> </pre>		

Element animalDied / animalDiedTimeZone

Namespace	http://data.gcoos.org/mmhmap/xml/1.0		
Diagram	 <p>Diagram illustrating the structure of the <code>animalDiedTimeZone</code> element. It is connected to the <code>string</code> primitive type. A note states: "Built-in primitive type. The string datatype represents character strings in XML."</p>		
Type	string		
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> </table>	content:	simple
content:	simple		

	minOccurs: 0
Source	<code><element name="animalDiedTimeZone" type="string" minOccurs="0" /></code>

Element animalDied / animalDiedPeriodRemarks

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<pre> graph LR A[animalDiedPeriodRemarks Type string] --- B[string] B --- C[Built-in primitive type. The string datatype represents character strings in XML.] </pre>
Type	string
Properties	content: simple minOccurs: 0
Source	<code><element name="animalDiedPeriodRemarks" type="string" minOccurs="0" /></code>

Element animalDied / animalDiedLocation

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<pre> graph LR A[animalDiedLocation Type restriction of 'string'] --- B[restricts: string] B --- C[Built-in primitive type. The string datatype represents character strings in XML.] </pre>
Type	restriction of string
Properties	content: simple
Facets	pattern: Same as initial event location Rehabilitation Facility Others
Source	<pre> <element name="animalDiedLocation"> <simpleType> <restriction base="string"> <pattern value="Same as initial event location Rehabilitation Facility Others"/> </restriction> </simpleType> </element> </pre>

Element animalDied / animalDiedReason

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<pre> graph LR A[animalDiedReason Type string] --- B[string] B --- C[Built-in primitive type. The string datatype represents character strings in XML.] </pre>
Type	string
Properties	content: simple
Source	<code><element name="animalDiedReason" type="string" /></code>

Element animalDied / animalDiedEuthanizer

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	<pre> graph LR A[animalDiedEuthanizer Type string] --- B[string] B --- C[Built-in primitive type. The string datatype represents character strings in XML.] </pre>
Type	string
Properties	content: simple
Source	<code><element name="animalDiedEuthanizer" type="string" /></code>

Element animalMorphometrics

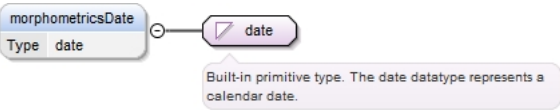
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Annotations	<dc:description>Morphometric details of the animal Died</dc:description>
Diagram	
Properties	content: complex
Model	morphometricsDate{0,1} , morphometricsTime{0,1} , morphometricsItem , morphometricsItemRemarks{0,1} , morphometricsStandardLength , morphometricsMaxGirth , morphometricsBladderDepthSternal , morphometricsBodyMass
Children	morphometricsBladderDepthSternal, morphometricsBodyMass, morphometricsDate, morphometricsItem, morphometricsItemRemarks, morphometricsMaxGirth, morphometricsStandardLength, morphometricsTime
Instance	<pre> <animalMorphometrics xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <morphometricsDate>{0,1}</morphometricsDate> <morphometricsTime>{0,1}</morphometricsTime> <morphometricsItem>{1,1}</morphometricsItem> <morphometricsItemRemarks>{0,1}</morphometricsItemRemarks> <morphometricsStandardLength>{1,1}</morphometricsStandardLength> <morphometricsMaxGirth>{1,1}</morphometricsMaxGirth> <morphometricsBladderDepthSternal>{1,1}</morphometricsBladderDepthSternal> <morphometricsBodyMass>{1,1}</morphometricsBodyMass> </animalMorphometrics> </pre>
Source	<pre> <element name="animalMorphometrics"> <annotation> <documentation> <dc:description>Morphometric details of the animal Died</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> </pre>

```

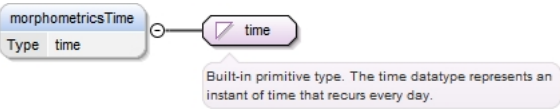
<element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/>
<element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/>
<element name="morphometricsMaxGirthCertainty">
  <simpleType>
    <restriction base="string">
      <pattern value="actual|estimate"/>
    </restriction>
  </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>

```


Element animalMorphometrics / morphometricsDate

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

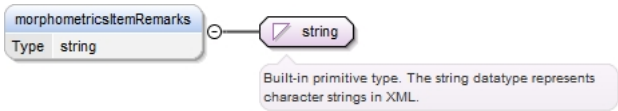
Element animalMorphometrics / morphometricsTime

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

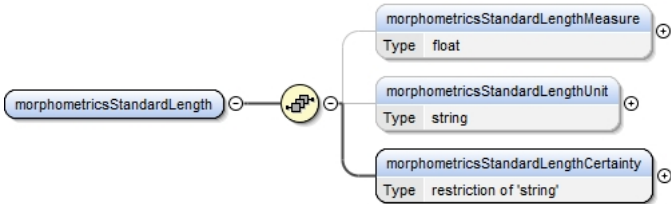
Element animalMorphometrics / morphometricsItem

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

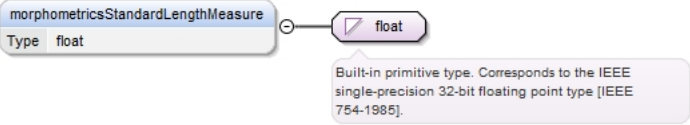
Element animalMorphometrics / morphometricsItemRemarks

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

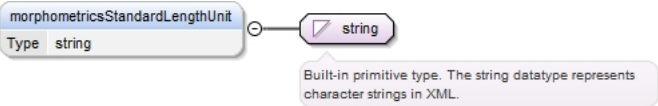
Element animalMorphometrics / morphometricsStandardLength

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><morphometricsStandardLength xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <morphometricsStandardLengthMeasure>{0,1}</morphometricsStandardLengthMeasure> <morphometricsStandardLengthUnit>{0,1}</morphometricsStandardLengthUnit> <morphometricsStandardLengthCertainty>{1,1}</morphometricsStandardLengthCertainty> </morphometricsStandardLength></pre>
Source	<pre><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></pre>

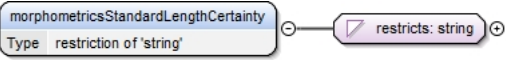
Element `animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthMeasure`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows the <code>morphometricsStandardLengthMeasure</code> element with a type of <code>float</code>. 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	<code><element name="morphometricsStandardLengthMeasure" type="float" minOccurs="0"/></code>

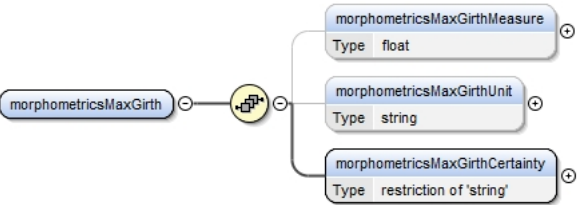
Element `animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthUnit`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows the <code>morphometricsStandardLengthUnit</code> element with a type of <code>string</code>. 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	<code><element name="morphometricsStandardLengthUnit" type="string" minOccurs="0"/></code>

Element `animalMorphometrics / morphometricsStandardLength / morphometricsStandardLengthCertainty`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows the <code>morphometricsStandardLengthCertainty</code> element with a type of <code>restriction of 'string'</code>. A callout box indicates it <code>restricts: string</code>.</p>
Type	restriction of string
Properties	content: simple
Facets	pattern: <code>actual estimate</code>
Source	<pre> <element name="morphometricsStandardLengthCertainty"> <simpleType> <restriction base="string"> <pattern value="actual estimate"/> </restriction> </simpleType> </element> </pre>

Element `animalMorphometrics / morphometricsMaxGirth`

Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <p>The diagram shows the <code>morphometricsMaxGirth</code> element with a complex content model. It contains three child elements: <code>morphometricsMaxGirthMeasure</code> (type <code>float</code>), <code>morphometricsMaxGirthUnit</code> (type <code>string</code>), and <code>morphometricsMaxGirthCertainty</code> (type <code>restriction of 'string'</code>).</p>
Properties	content: complex
Model	<code>morphometricsMaxGirthMeasure{0,1} , morphometricsMaxGirthUnit{0,1} , morphometricsMaxGirthCertainty</code>

Children	morphometricsMaxGirthCertainty, morphometricsMaxGirthMeasure, morphometricsMaxGirthUnit
Instance	<pre><morphometricsMaxGirth xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <morphometricsMaxGirthMeasure>{0,1}</morphometricsMaxGirthMeasure> <morphometricsMaxGirthUnit>{0,1}</morphometricsMaxGirthUnit> <morphometricsMaxGirthCertainty>{1,1}</morphometricsMaxGirthCertainty> </morphometricsMaxGirth></pre>
Source	<pre><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></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. A line connects this box to a 'float' primitive type box. A callout for the float type states: '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><element name="morphometricsMaxGirthMeasure" type="float" minOccurs="0"/></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. A line connects this box to a 'string' primitive type box. A callout for the string type states: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	string
Properties	content: simple minOccurs: 0
Source	<pre><element name="morphometricsMaxGirthUnit" type="string" minOccurs="0"/></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. A line connects this box to a 'restricts: string' box. A callout for the restriction states: 'restricts: string'.</p>
Type	restriction of string
Properties	content: simple
Facets	pattern actual estimate
Source	<pre><element name="morphometricsMaxGirthCertainty"> <simpleType> <restriction base="string"> <pattern value="actual estimate"/> </restriction> </simpleType> </element></pre>


```

</simpleType>
</element>

```

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> <morphometricsBladderDepthSternal xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <morphometricsBladderDepthSternalMeasure>{0,1}</morphometricsBladderDepthSternalMeasure> <morphometricsBladderDepthSternalUnit>{0,1}</morphometricsBladderDepthSternalUnit> <morphometricsBladderDepthSternalCertainty>{1,1}</morphometricsBladderDepthSternalCertainty> </morphometricsBladderDepthSternal> </pre>
Source	<pre> <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> </pre>

Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalMeasure

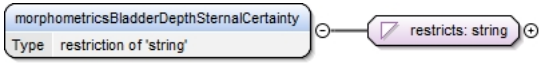
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	float
Properties	content: simple minOccurs: 0
Source	<pre> <element name="morphometricsBladderDepthSternalMeasure" type="float" minOccurs="0"/> </pre>

Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalUnit

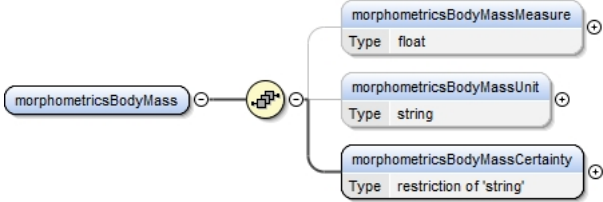
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Type	string
Properties	content: simple

	minOccurs: 0
Source	<code><element name="morphometricsBladderDepthSternalUnit" type="string" minOccurs="0" /></code>

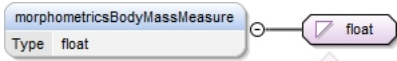
Element animalMorphometrics / morphometricsBladderDepthSternal / morphometricsBladderDepthSternalCertainty

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

Element animalMorphometrics / morphometricsBodyMass

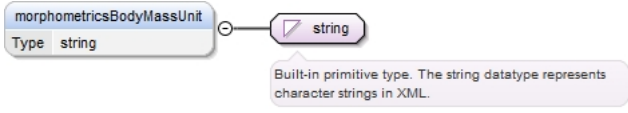
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	
Properties	content: complex
Model	morphometricsBodyMassMeasure{0,1} , morphometricsBodyMassUnit{0,1} , morphometricsBodyMassCertainty
Children	morphometricsBodyMassCertainty, morphometricsBodyMassMeasure, morphometricsBodyMassUnit
Instance	<pre><morphometricsBodyMass xmlns="http://data.gcoos.org/mmhmap/xml/1.0"> <morphometricsBodyMassMeasure>{0,1}</morphometricsBodyMassMeasure> <morphometricsBodyMassUnit>{0,1}</morphometricsBodyMassUnit> <morphometricsBodyMassCertainty>{1,1}</morphometricsBodyMassCertainty> </morphometricsBodyMass></pre>
Source	<pre><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></pre>

Element animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassMeasure

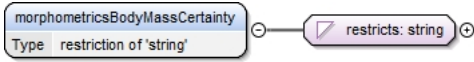
Namespace	http://data.gcoos.org/mmhmap/xml/1.0
Diagram	 <small>Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985].</small>

Type	float
Properties	content: simple
	minOccurs: 0
Source	<code><element name="morphometricsBodyMassMeasure" type="float" minOccurs="0"/></code>

Element `animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassUnit`

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
	minOccurs: 0
Source	<code><element name="morphometricsBodyMassUnit" type="string" minOccurs="0"/></code>

Element `animalMorphometrics / morphometricsBodyMass / morphometricsBodyMassCertainty`

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