

Schema documentation for Geophysics.xsd

september 4, 2022

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Namespace: "http://diggsml.org/schemas/2.6"

Schema(s)

Main schema Geophysics.xsd

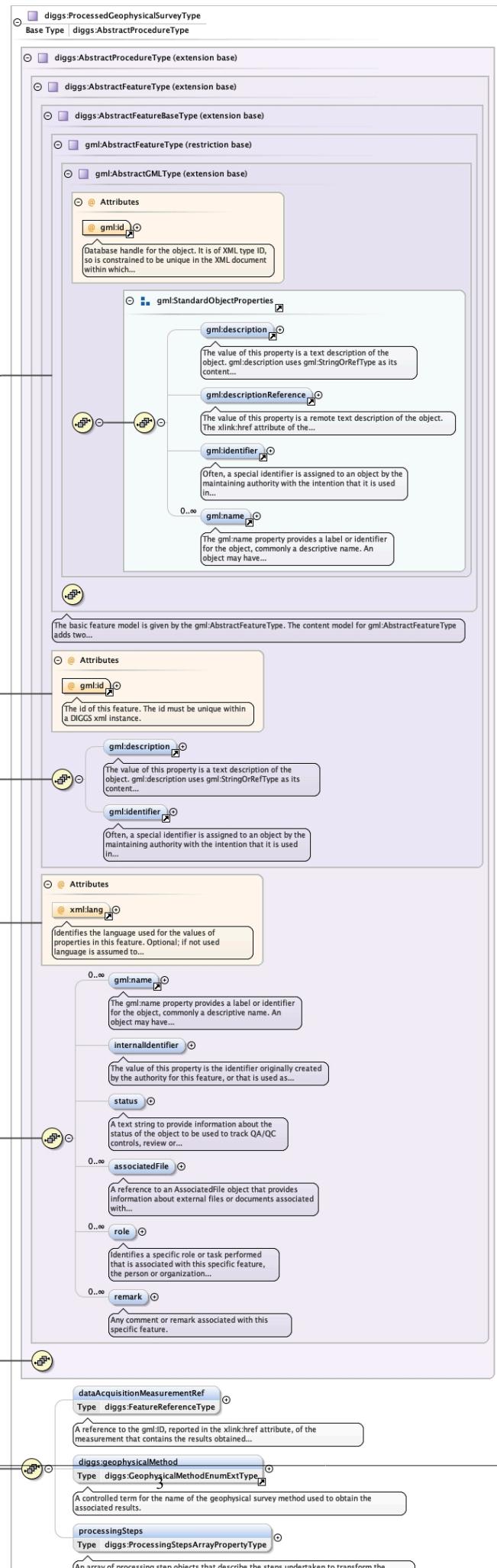
Namespace	http://diggsml.org/schemas/2.6
Properties	attribute form default: unqualified
	element form default: qualified
	version: 2.6
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element(s)

Element diggs:ProcessedGeophysicalSurvey

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	diggs:ProcessedGeophysicalSurveyType																				
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractProcedureType • diggs:ProcessedGeophysicalSurveyType 																				
Properties	content: complex																				
Substitution Group Affiliation	• diggs:AbstractProcedure																				
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name* , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:dataAcquisitionMeasurementRef{0,1} , diggs:geophysicalMethod{0,1} , diggs:processingSteps{0,1}																				
Children	diggs:associatedFile, diggs:dataAcquisitionMeasurementRef, diggs:geophysicalMethod, diggs:internalIdentifier, diggs:processingSteps, diggs:remark, diggs:role, diggs:status, gml:description, gml:identifier, gml:name																				
Instance	<pre><diggs:ProcessedGeophysicalSurvey gml:id="" xmlns:lang="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:identifier codeSpace="">{0,1}</gml:identifier> <gml:name codeSpace="">{0,unbounded}</gml:name> <diggs:internalIdentifier codeSpace="">{0,1}</diggs:internalIdentifier> <diggs:status codeSpace="">{0,1}</diggs:status> <diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:role>{0,unbounded}</diggs:role> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:dataAcquisitionMeasurementRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" type="simple"> <diggs:geophysicalMethod>{0,1}</diggs:geophysicalMethod> <diggs:processingSteps>{0,1}</diggs:processingSteps> </diggs:dataAcquisitionMeasurementRef> </diggs:associatedFile> </gml:description> </diggs:ProcessedGeophysicalSurvey></pre>																				
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3"> <p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p> </td></tr> <tr> <td>xml:lang</td> <td>union of(xs:language, restriction of xs:string)</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td colspan="3"> <div style="font-family: monospace; font-size: small;"> <p><div></p> <p style="margin-left: 2em;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 2em;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p></div></p> <p><div></p> <p style="margin-left: 2em;"><h4>Notes</h4></p> <p style="margin-left: 2em;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 2em;"><p>See BCP 47 at</p> <p style="margin-left: 3em;">http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at</p> <p style="margin-left: 3em;">http://www.iana.org/assignments/language-subtag-registryfor further information.</p></p> <p style="margin-left: 2em;"><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p> <p></div></p> </div> </td></tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required			<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p>			xml:lang	union of(xs:language, restriction of xs:string)	optional			<div style="font-family: monospace; font-size: small;"> <p><div></p> <p style="margin-left: 2em;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 2em;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p></div></p> <p><div></p> <p style="margin-left: 2em;"><h4>Notes</h4></p> <p style="margin-left: 2em;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 2em;"><p>See BCP 47 at</p> <p style="margin-left: 3em;">http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at</p> <p style="margin-left: 3em;">http://www.iana.org/assignments/language-subtag-registryfor further information.</p></p> <p style="margin-left: 2em;"><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p> <p></div></p> </div>		
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Source	<pre><element name="ProcessedGeophysicalSurvey" type="diggs:ProcessedGeophysicalSurveyType" substitutionGroup="diggs:AbstractProcedure"/></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:ProcessedGeophysicalSurveyType / diggs:dataAcquisitionMeasurementRef

Namespace	http://diggsml.org/schemas/2.6																																			
Annotations	A reference to the gml:ID, reported in the xlink:href attribute, of the measurement that contains the results obtained during data acquisition and that serves as input into the processing steps that produce the results of this associated measurement																																			
Diagram	<pre> classDiagram diggs:FeatureReferenceType < -- gml:ReferenceType {extension base} gml:ReferenceType < -- @Attributes @Attributes < -- identifierRef </pre> <p>This diagram illustrates the inheritance path of the <code>diggs:FeatureReferenceType</code> element. It shows that <code>diggs:FeatureReferenceType</code> inherits from <code>gml:ReferenceType</code>, which in turn inherits from the <code>@Attributes</code> group. The <code>identifierRef</code> attribute is defined within the <code>@Attributes</code> group. Callouts provide additional context: one points to the <code>identifierRef</code> attribute with the note "Provides a fully qualified gml:identifier value of the target feature. Used primarily to reference a feature by a..."; another points to the entire diagram with the note "This type is used to point to a DIGGS feature (by its gml:id in the xlink:href attribute) or by its gml:identifier...".</p>																																			
Type	<code>diggs:FeatureReferenceType</code>																																			
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:ReferenceType</code> <ul style="list-style-type: none"> • <code>diggs:FeatureReferenceType</code> 																																			
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QName	Type	Fixed	Default	Use	
	for hints none - behavior is unconstrained				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<pre><element minOccurs="0" name="dataAcquisitionMeasurementRef" type="diggs:FeatureReferenceType"> <annotation> <documentation>A reference to the gml:ID, reported in the xlink:href attribute, of the measurement that contains the results obtained during data acquisition and that serves as input into the processing steps that produce the results of this associated measurement</documentation> </annotation> </element></pre>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:geophysicalMethod

Namespace	http://diggsml.org/schemas/2.6
Diagram	<pre> classDiagram class geophysicalMethod { <<diggs:GeophysicalMethodEnumExtType>> } class diggs:GeophysicalMethodEnumExtType geophysicalMethod < -- diggs:GeophysicalMethodEnumExtType </pre>
Type	diggs:GeophysicalMethodEnumExtType
Properties	content: simple
Used by	Complex Type diggs:ProcessedGeophysicalSurveyType
Source	<pre><element name="geophysicalMethod" type="diggs:GeophysicalMethodEnumExtType"/></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:ProcessedGeophysicalSurveyType / diggs:processingSteps

Namespace	http://diggsml.org/schemas/2.6
Annotations	An array of processing step objects that describe the steps undertaken to transform the originally acquired geophysical data to the associated processed results
Diagram	<pre> classDiagram class processingSteps { <<diggs:ProcessingStepsArrayPropertyType>> } class diggs:ProcessingStepsArrayPropertyType class diggs:ProcessingStep { <<diggs:ProcessingStepType>> } processingSteps *-- 0..> diggs:ProcessingStep </pre> <p>An array of processing step objects that describe the steps undertaken to transform the originally acquired geophysical...</p>
Type	diggs:ProcessingStepsArrayPropertyType
Properties	<p>content: complex</p> <p>minOccurs: 0</p>
Model	diggs:ProcessingStep
Children	diggs:ProcessingStep
Instance	<pre><diggs:processingSteps xmlns:diggs="http://diggsml.org/schemas/2.6"></pre>

	<pre><diggs:ProcessingStep index="" owns="false">{1,1}</diggs:ProcessingStep> </diggs:processingSteps></pre>
Source	<pre><element minOccurs="0" name="processingSteps" type="diggs:ProcessingStepsArrayType"> <annotation> <documentation>An array of processing step objects that describe the steps undertaken to transform the originally acquired geophysical data to the associated processed results</documentation> </annotation> </element></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:ProcessingStep

Namespace	http://diggsml.org/schemas/2.6
Diagram	<p>The diagram illustrates the UML class <code>diggs:ProcessingStepType</code>, which is a subtype of <code>gml:AbstractMetadataPropertyType</code>. It defines several attributes and associations:</p> <ul style="list-style-type: none"> Attributes: <ul style="list-style-type: none"> <code>index</code> (Type: <code>positiveInteger</code>) - This attribute is used to explicitly define the sequence of processing steps, numbered as 1,2,3, etc. in sequence. <code>associatedFile</code> (Type: <code>diggs:AssociatedFilePropertyType</code>) - A reference to an <code>AssociatedFile</code> object that provides information about external files or documents associated with the processing step. <code>role</code> (Type: <code>diggs:RolePropertyType</code>) - Identifies a specific role or task performed that is associated with this specific feature, the person or organization. <code>remark</code> (Type: <code>diggs:RemarkPropertyType</code>) - Any comment or remark associated with this specific processing step. <code>timePerformed</code> (Type: <code>diggs:TimeIntervalType</code>) - The time or time interval during which the processing step was performed. <code>processStepDescription</code> (Type: <code>diggs:DiggsStringType</code>) - A narrative description of the processing step. <code>processStepName</code> (Type: <code>gml:CodeType</code>) - If applicable, a name for this processing step. Associations: <ul style="list-style-type: none"> <code>ProcessingStep</code> (Type: <code>diggs:ProcessingStepType</code>) - An association with the base class <code>diggs:ProcessingStepType</code>.
Type	<code>diggs:ProcessingStepType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>gml:AbstractMetadataPropertyType</code> <code>diggs:ProcessingStepType</code>
Properties	content: complex
Used by	Complex Type <code>diggs:ProcessingStepsArrayType</code>
Model	<code>diggs:associatedFile*</code> , <code>diggs:role*</code> , <code>diggs:remark*</code> , <code>diggs:timePerformed{0,1}</code> , <code>diggs:processStepDesscription{0,1}</code> , <code>diggs:processStepName{0,1}</code>

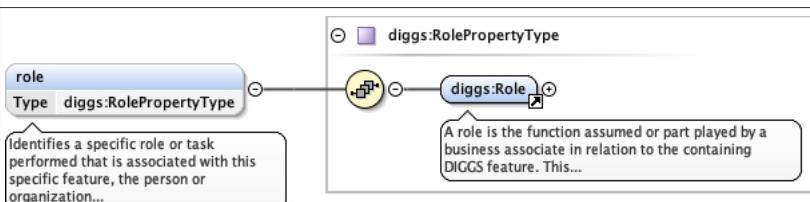
Children	diggs:associatedFile, diggs:processStepDesscription, diggs:processStepName, diggs:remark, diggs:role, diggs:timePerformed												
Instance	<pre><diggs:ProcessingStep index="" xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xmlns="false" xlink:role="" xlink:type="simple"> <diggs:role>{0,unbounded}</diggs:role> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:timePerformed gml:id="" xml:lang="">{0,1}</diggs:timePerformed> <diggs:processStepDesscription xml:lang="">{0,1}</diggs:processStepDesscription> <diggs:processStepName codeSpace="">{0,1}</diggs:processStepName> </diggs:ProcessingStep></pre>												
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QName	Type	Default	Use										
index	positiveInteger		optional										
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Source	<code><element name="ProcessingStep" type="diggs:ProcessingStepType"/></code>												
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd												

Element diggs:ProcessingStepType / diggs:associatedFile

Namespace	http://diggsml.org/schemas/2.6																									
Annotations	A reference to an AssociatedFile object that provides information about external files or documents associated with this processing step. The target value is indicated in the appinfo element.																									
Diagram	<p>The diagram illustrates the UML class <code>diggs:AssociatedFilePropertyType</code>. It features two associations: one with <code>gml:AssociationAttributeGroup</code> and another with <code>gml:OwnershipAttributeGroup</code>. The <code>diggs:AssociatedFile</code> class is shown as a generalization of <code>diggs:AssociatedFilePropertyType</code>. Callouts provide additional context: 'associatedFile' is described as a reference to an AssociatedFile object, and 'diggs:AssociatedFile' is described as an object providing information about associated files.</p>																									
Type	diggs:AssociatedFilePropertyType																									
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded																			
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Children	diggs:AssociatedFile																									
Instance	<pre><diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xmlns="false" xlink:role="" xlink:type="simple"> <diggs:AssociatedFile gml:id="" xml:lang="">{1,1}</diggs:AssociatedFile> </diggs:associatedFile></pre>																									
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QName	Type	Fixed	Default	Use	
	onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<pre><element maxOccurs="unbounded" minOccurs="0" name="associatedFile" type="diggs:AssociatedFilePropertyType"> <annotation> <appinfo source="urn:x-gml:targetElement">diggs:AssociatedFile</appinfo> <documentation>A reference to an AssociatedFile object that provides information about external files or documents associated with this processing step. The target value is indicated in the appinfo element.</documentation> </annotation> </element></pre>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:ProcessingStepType / diggs:role

Namespace	http://diggsml.org/schemas/2.6						
Annotations	Identifies a specific role or task performed that is associated with this specific feature, the person or organization that performed the role, and associated time frame, if applicable.						
Diagram	 <pre> classDiagram class diggs:RolePropertyType { role Type diggs:RolePropertyType } class diggs:Role { diggs:RolePropertyType } diggs:RolePropertyType "1..>" diggs:Role note over diggs:RolePropertyType: Identifies a specific role or task performed that is associated with this specific feature, the person or organization... note over diggs:Role: A role is the function assumed or part played by a business associate in relation to the containing DIGGS feature. This... </pre>						
Type	diggs:RolePropertyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	diggs:Role						
Children	diggs:Role						
Instance	<pre><diggs:role xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:Role owns="false">{1,1}</diggs:Role> </diggs:role></pre>						
Source	<pre><element maxOccurs="unbounded" minOccurs="0" name="role" type="diggs:RolePropertyType"> <annotation> <documentation>Identifies a specific role or task performed that is associated with this specific feature, the person or organization that performed the role, and associated time frame, if applicable.</documentation> </annotation> </element></pre>						

	</element>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

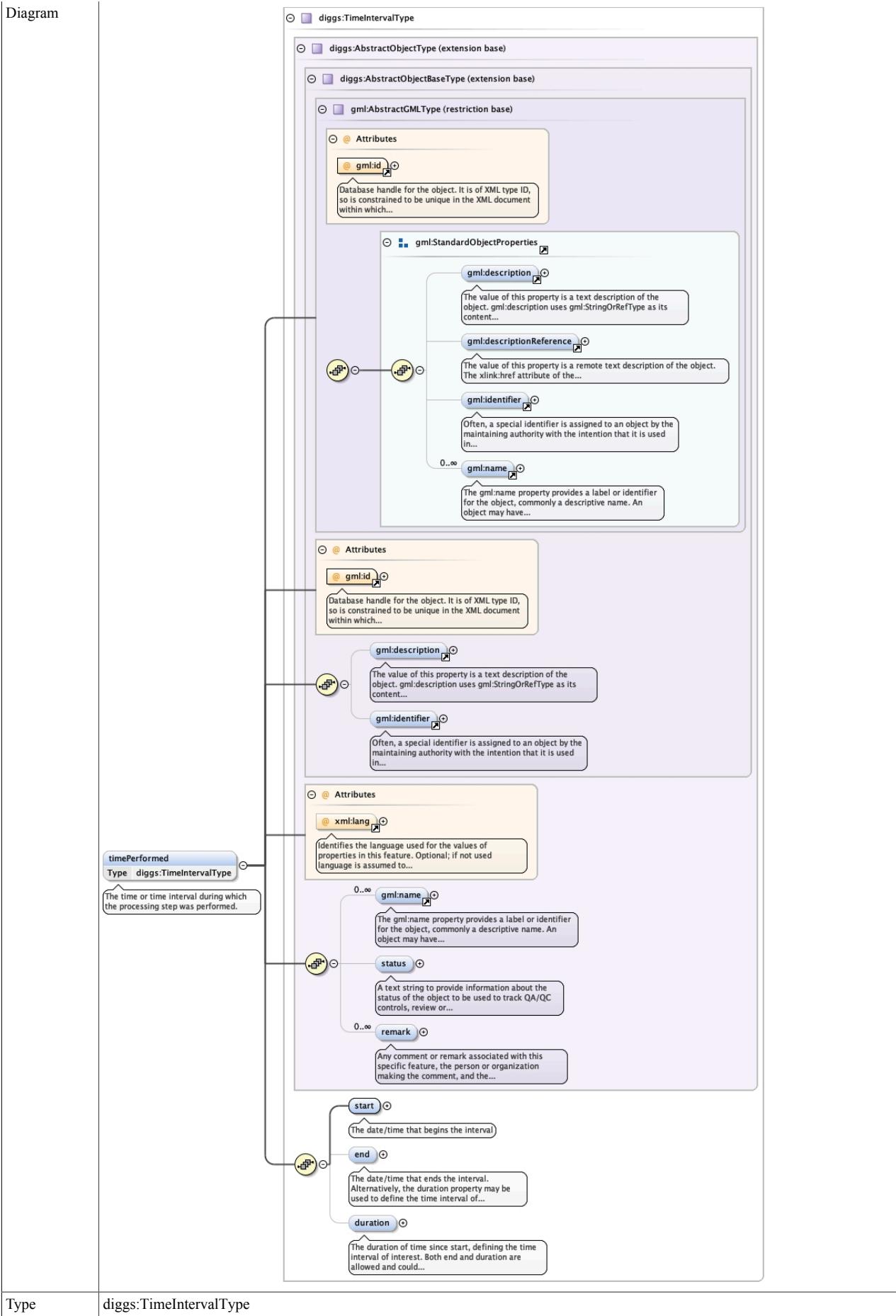
Element diggs:ProcessingStepType / diggs:remark

Namespace	http://diggsml.org/schemas/2.6						
Annotations	Any comment or remark associated with this specific processing step.						
Diagram	<pre> classDiagram class diggs:RemarkPropertyType { <<Any comment or remark associated with this specific processing step.>> } class diggs:Remark { <<A remark or comment relevant to the containing object or feature, optionally including the remark's author and date.>> } diggs:RemarkPropertyType "0..1" --> "1..unbounded" diggs:Remark </pre>						
Type	diggs:RemarkPropertyType						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	diggs:Remark						
Children	diggs:Remark						
Instance	<diggs:remark xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:Remark owns="false">{1,1}</diggs:Remark> </diggs:remark>						
Source	<pre> <element maxOccurs="unbounded" minOccurs="0" name="remark" type="diggs:RemarkPropertyType"> <annotation> <documentation>Any comment or remark associated with this specific processing step.</documentation> </annotation> </element> </pre>						
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd						

Element diggs:ProcessingStepType / diggs:timePerformed

Namespace	http://diggsml.org/schemas/2.6
Annotations	The time or time interval during which the processing step was performed.

Diagram

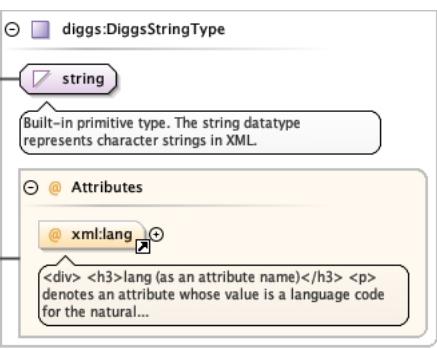


Type	<code>diggs:TimeIntervalType</code>
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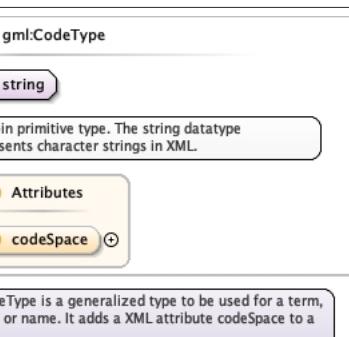
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType <ul style="list-style-type: none"> • diggs:AbstractObjectBaseType <ul style="list-style-type: none"> • diggs:AbstractObjectType • diggs:TimeIntervalType 																				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0																
content:	complex																				
minOccurs:	0																				
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name* , diggs:status{0,1} , diggs:remark* , diggs:start , diggs:end{0,1} , diggs:duration{0,1}																				
Children	diggs:duration, diggs:end, diggs:remark, diggs:start, diggs:status, gml:description, gml:identifier, gml:name																				
Instance	<pre><diggs:timePerformed gml:id="" xml:lang="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:identifier codeSpace="">{0,1}</gml:identifier> <gml:name codeSpace="">{0,unbounded}</gml:name> <diggs:status codeSpace="">{0,1}</diggs:status> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:start calendarEraName="" frame="#ISO-8601" indeterminatePosition="">{1,1}</diggs:start> <diggs:end calendarEraName="" frame="#ISO-8601" indeterminatePosition="">{0,1}</diggs:end> <diggs:duration uom="">{0,1}</diggs:duration> </diggs:timePerformed></pre>																				
Attributes	<table> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td><td></td><td></td></tr> <tr> <td>xml:lang</td><td>union of(xs:language, restriction of xs:string)</td><td>optional</td><td></td></tr> <tr> <td></td><td> <pre><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre> </td><td></td><td></td></tr> </tbody> </table>	QName	Type	Use		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			xml:lang	union of(xs:language, restriction of xs:string)	optional			<pre><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>		
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Source	<pre><element minOccurs="0" name="timePerformed" type="diggs:TimeIntervalType"> <annotation> <documentation>The time or time interval during which the processing step was performed.</documentation> </annotation> </element></pre>																				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																				

Element diggs:ProcessingStepType / diggs:processStepDescription

Namespace	http://diggsml.org/schemas/2.6
Annotations	A narrative description of the processing step

Diagram							
Type	diggs:DiggsStringType						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>mixed:</td><td>true</td></tr> </table>	content:	complex	minOccurs:	0	mixed:	true
content:	complex						
minOccurs:	0						
mixed:	true						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>xml:lang</td><td>union of(xs:language, restriction of xs:string)</td><td>optional</td></tr> </tbody> </table> <p><div><h3>lang (as an attribute name)</h3><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></div><div><h4>Notes</h4><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></div></p>	QName	Type	Use	xml:lang	union of(xs:language, restriction of xs:string)	optional
QName	Type	Use					
xml:lang	union of(xs:language, restriction of xs:string)	optional					
Source	<pre><element minOccurs="0" name="processStepDescription" type="diggs:DiggsStringType"> <annotation> <documentation>A narrative description of the processing step</documentation> </annotation> </element></pre>						
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd						

Element diggs:ProcessingStepType / diggs:processStepName

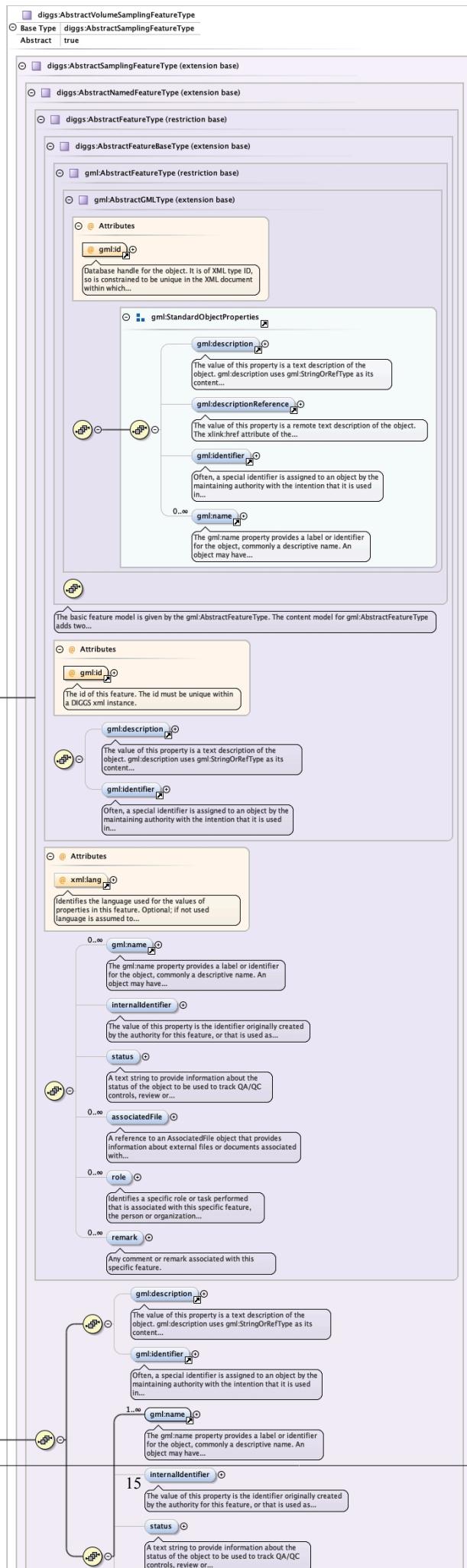
Namespace	http://diggsml.org/schemas/2.6		
Annotations	If applicable, a name for this processing step.		
Diagram			
Type	gml:CodeType		
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		

	minOccurs:	0		
Attributes	QName	Type	Use	
	codeSpace	anyURI	optional	
Source	<pre><element minOccurs="0" name="processStepName" type="gml:CodeType"> <annotation> <documentation>If applicable, a name for this processing step.</documentation> </annotation> </element></pre>			
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd			

Element diggs:AbstractVolumeSamplingFeature

Namespace	http://diggsml.org/schemas/2.6
Annotations	Base type for sampling features with volume (3D) geometries.

Diagram



Type	diggs:AbstractVolumeSamplingFeatureType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractVolumeSamplingFeatureType 									
Properties	<p>content: complex</p> <p>abstract: true</p>									
Substitution Group Affiliation	• diggs:AbstractSamplingFeature									
Model	<p>gml:description {0,1} , gml:identifier {0,1} , gml:name+ , diggs:internalIdentifier {0,1} , diggs:status {0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge {0,1} , diggs:featureExtent {0,1} , diggs:relativeFeatureBoundary {0,1} , diggs:volumeReferencing*</p>									
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, diggs:volumeReferencing, gml:description, gml:identifier, gml:name									
Instance	<pre><diggs:AbstractVolumeSamplingFeature gml:id="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:identifier codeSpace="">{0,1}</gml:identifier> <gml:name codeSpace="">{1,unbounded}</gml:name> <diggs:internalIdentifier codeSpace="">{0,1}</diggs:internalIdentifier> <diggs:status codeSpace="">{0,1}</diggs:status> <diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:role>{0,unbounded}</diggs:role> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:investigationTarget>{1,unbounded}</diggs:investigationTarget> <diggs:projectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:originalProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:associatedProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:programRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:environment>{0,unbounded}</diggs:environment> <diggs:otherSamplingFeatureProperty>{0,unbounded}</diggs:otherSamplingFeatureProperty> <diggs:locality>{0,1}</diggs:locality> <diggs:referencePoint xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:localCoordinates>{0,1}</diggs:localCoordinates> <diggs:referenceEdge xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:featureExtent xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:relativeFeatureBoundary xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:volumeReferencing>{0,unbounded}</diggs:volumeReferencing> </diggs:volumeReferencing> </diggs:featureExtent> </diggs:referenceEdge> </diggs:referencePoint> </diggs:programRef> </diggs:associatedProjectRef> </diggs:originalProjectRef> </diggs:projectRef> </diggs:associatedFile> </gml:description> </diggs:AbstractVolumeSamplingFeature></pre>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td></td> <td>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id</td> </tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id
QName	Type	Use								
gml:id	ID	required								
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QName	Type	Use	
	attribute.		
xml:lang	union of(xs:language, restriction of xs:string)	optional	
	<pre><div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc- editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>		
Source	<pre><element abstract="true" name="AbstractVolumeSamplingFeature" substitutionGroup="diggs:AbstractSamplingFeature" type="diggs:AbstractVolumeSamplingFeatureType"> <annotation> <documentation>Base type for sampling features with volume (3D) geometries.</documentation> </annotation> </element></pre>		
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

Element diggs:AbstractVolumeSamplingFeatureType / diggs:referenceEdge

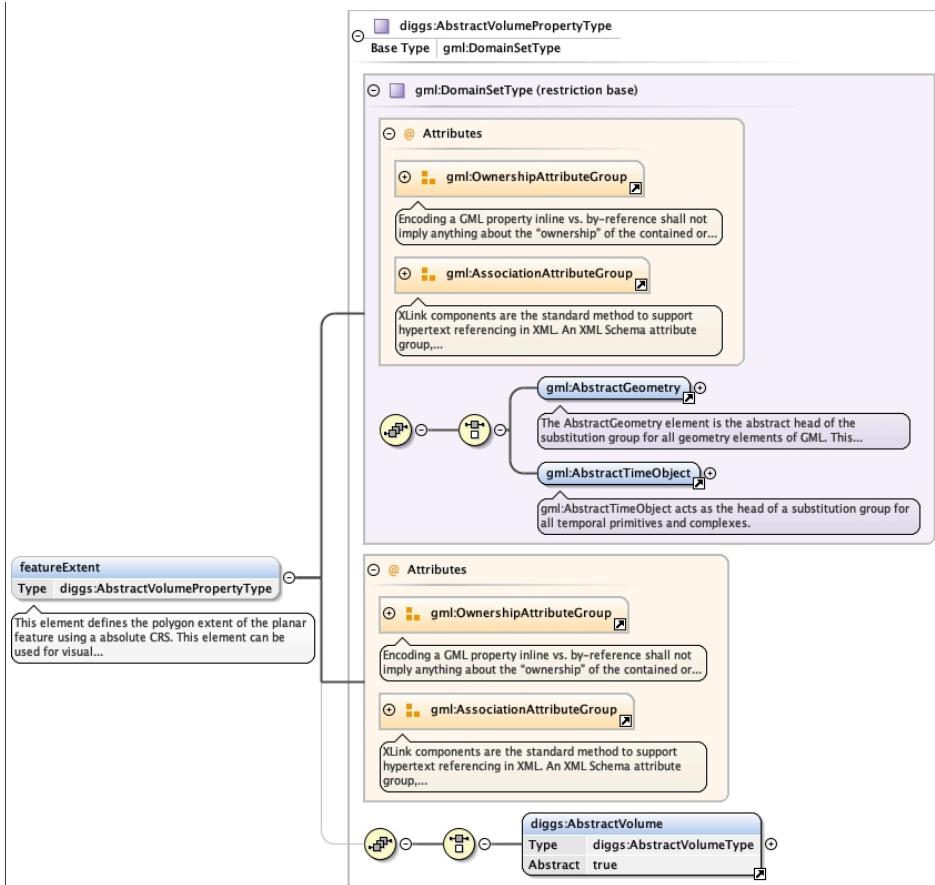
Namespace	http://diggsml.org/schemas/2.6
Diagram	

Type	diggs:LinearExtentPropertyType																																																														
Type hierarchy	<ul style="list-style-type: none"> • gml:DomainSetType • diggs:LinearExtentPropertyType 																																																														
Properties	<p>content: complex</p> <p>minOccurs: 0</p>																																																														
Model	(diggs:LinearExtent)																																																														
Children	diggs:LinearExtent																																																														
Instance	<pre><diggs:referenceEdge xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href="" xmlns:diggsml="http://diggsml.org/schemas/2.6"> <diggs:LinearExtent axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</ diggs:LinearExtent> </diggs:referenceEdge></pre>																																																														
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	xlink:title	string			optional																																																										
	xlink:type	string	simple		optional																																																										
Source	<pre><element minOccurs="0" name="referenceEdge" type="diggs:LinearExtentPropertyType" /></pre>																																																														
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																																																														

Element diggs:AbstractVolumeSamplingFeatureType / diggs:featureExtent

Namespace	http://diggsml.org/schemas/2.6
Annotations	This element defines the polygon extent of the planar feature using a absolute CRS. This element can be used for visual representations using typical/simple mapping software

Diagram



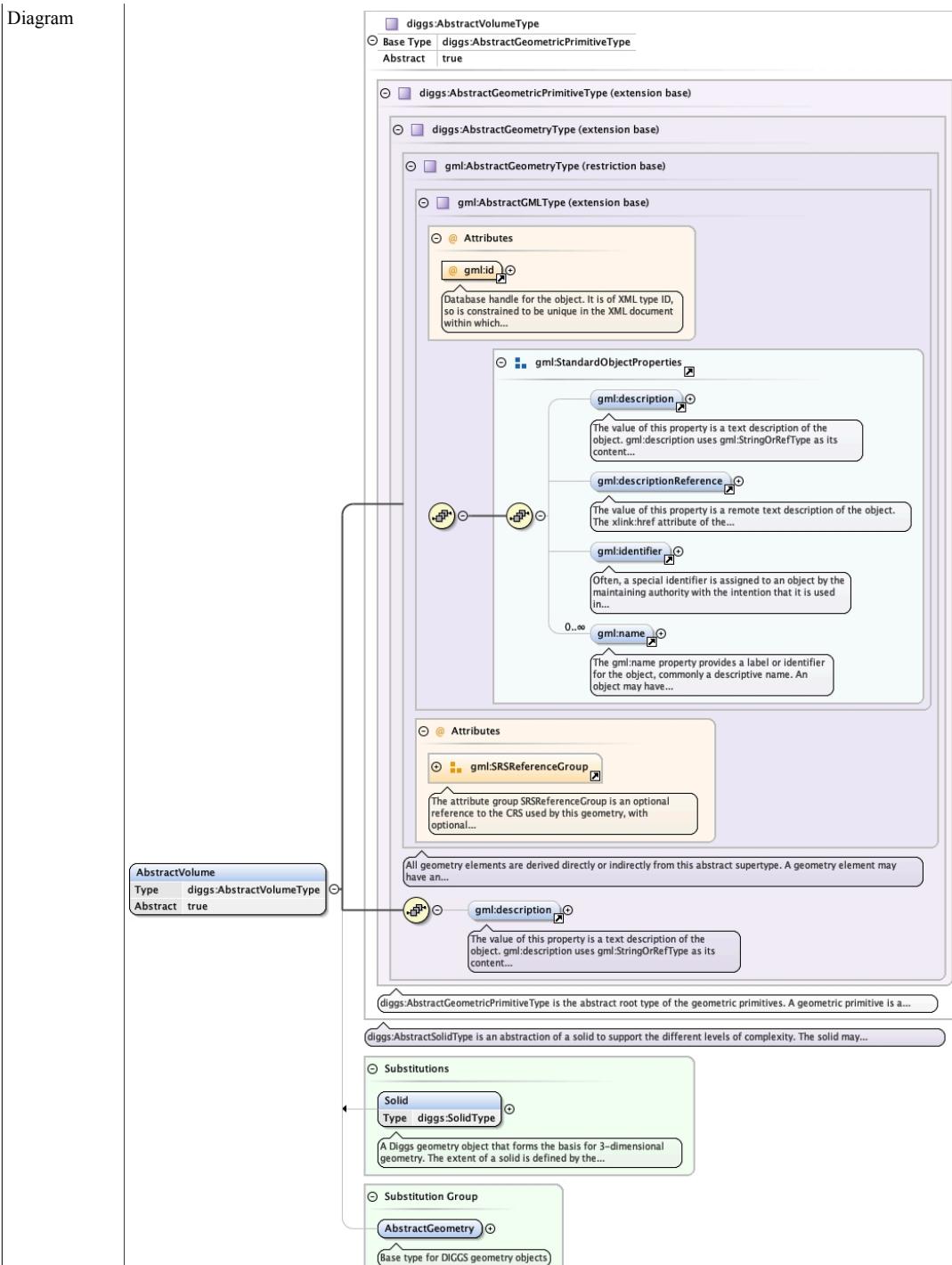
Type	<code>diggs:AbstractVolumePropertyType</code>																																			
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:DomainSetType</code> • <code>diggs:AbstractVolumePropertyType</code> 																																			
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																													
content:	complex																																			
minOccurs:	0																																			
maxOccurs:	1																																			
Model	(<code>diggs:AbstractVolume</code>)																																			
Children	<code>diggs:AbstractVolume</code>																																			
Instance	<pre><diggs:featureExtent xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href="" xlink:label="diggsml.org/schemas/2.6"> <diggs:AbstractVolume axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</diggs:AbstractVolume> </diggs:featureExtent></pre>																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td><code>gml:NilReasonType</code></td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td></td> <td colspan="4"> The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained </td> </tr> <tr> <td>xlink:arcrole</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>xlink:href</td> <td>anyURI</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	<code>gml:NilReasonType</code>			optional	owns	boolean		false	optional	xlink:actuate	restriction of string			optional		The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				xlink:arcrole	anyURI			optional	xlink:href	anyURI			optional
QName	Type	Fixed	Default	Use																																
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owns	boolean		false	optional																																
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xlink:arcrole	anyURI			optional																																
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QName	Type	Fixed	Default	Use	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<pre><element maxOccurs="1" minOccurs="0" name="featureExtent" type="diggs:AbstractVolumePropertyType"> <annotation> <documentation>This element defines the polygon extent of the planar feature using a absolute CRS. This element can be used for visual representations using typical/simple mapping software</documentation> </annotation> </element></pre>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:AbstractVolume

Namespace	http://diggsml.org/schemas/2.6
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Diagram



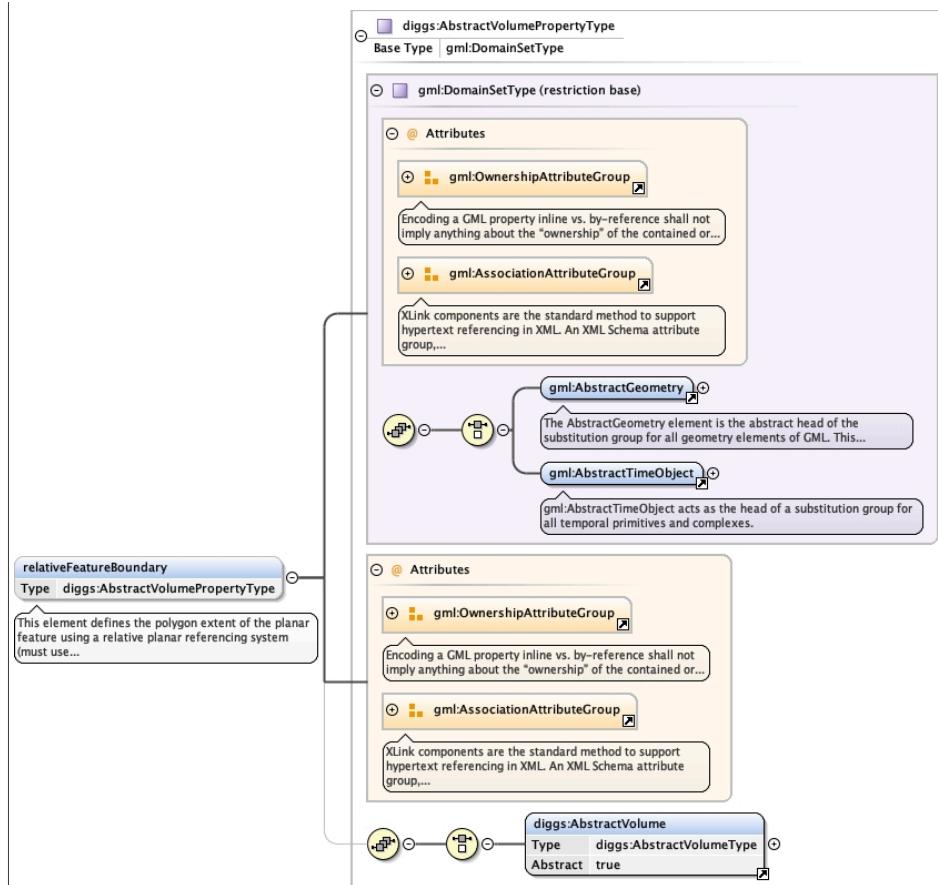
Type	<code>diggs:AbstractVolumeType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>diggs:AbstractGeometryType</code> • <code>diggs:AbstractGeometricPrimitiveType</code> • <code>diggs:AbstractVolumeType</code>
Properties	<p>content: complex</p> <p>abstract: true</p>
Substitution Group	<ul style="list-style-type: none"> • <code>diggs:Solid</code>

Substitution Group Affiliation	<ul style="list-style-type: none"> • diggs:AbstractGeometry 																														
Used by	Complex Type	diggs:AbstractVolumePropertyType																													
Model	gml:description{0,1}																														
Children	gml:description																														
Instance	<pre><diggs:AbstractVolume axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"/> </diggs:AbstractVolume></pre>																														
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3"> <p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p> </td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td><td></td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td><td></td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		gml:id	ID	required			<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p>			srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional			
QName	Type	Use																													
axisLabels	gml:NCNameList	optional																													
gml:id	ID	required																													
	<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p>																														
srsDimension	positiveInteger	optional																													
srsName	anyURI	optional																													
uomLabels	gml:NCNameList	optional																													
Source	<pre><element abstract="true" name="AbstractVolume" type="diggs:AbstractVolumeType" substitutionGroup="diggs:AbstractGeometry"/></pre>																														
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																														

Element **diggs:AbstractVolumeSamplingFeatureType / diggs:relativeFeatureBoundary**

Namespace	http://diggsml.org/schemas/2.6
Annotations	This element defines the polygon extent of the planar feature using a relative planar referencing system (must use planarReferencing property contents). This element should be used for software that can handle planar referencing (e.g. LinearSpatialReferenceSystem in GML 3.3)

Diagram



Type	<code>diggs:AbstractVolumePropertyType</code>																																			
Type hierarchy	<ul style="list-style-type: none"> <code>gml:DomainSetType</code> <code>diggs:AbstractVolumePropertyType</code> 																																			
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1																													
content:	complex																																			
minOccurs:	0																																			
maxOccurs:	1																																			
Model	(<code>diggs:AbstractVolume</code>)																																			
Children	<code>diggs:AbstractVolume</code>																																			
Instance	<pre><diggs:relativeFeatureBoundary xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href="diggsml.org/schemas/2.6"> <diggs:AbstractVolume axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</diggs:AbstractVolume> </diggs:relativeFeatureBoundary></pre>																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4"> <p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p> </td></tr> <tr> <td><code>xlink:arcrole</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	restriction of string			optional		<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p>				<code>xlink:arcrole</code>	anyURI			optional	<code>xlink:href</code>	anyURI			optional
QName	Type	Fixed	Default	Use																																
<code>nilReason</code>	<code>gml:NilReasonType</code>			optional																																
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<code>xlink:href</code>	anyURI			optional																																

QName	Type	Fixed	Default	Use
xlink:role	anyURI			optional
xlink:show	restriction of string			optional
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained			
xlink:title	string			optional
xlink:type	string	simple		optional
Source	<pre><element maxOccurs="1" minOccurs="0" name="relativeFeatureBoundary" type="diggs:AbstractVolumePropertyType"> <annotation> <documentation>This element defines the polygon extent of the planar feature using a relative planar referencing system (must use planarReferencing property contents). This element should be used for software that can handle planar referencing (e.g. LinearSpatialReferenceSystem in GML 3.3)</documentation> </annotation> </element></pre>			
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd			

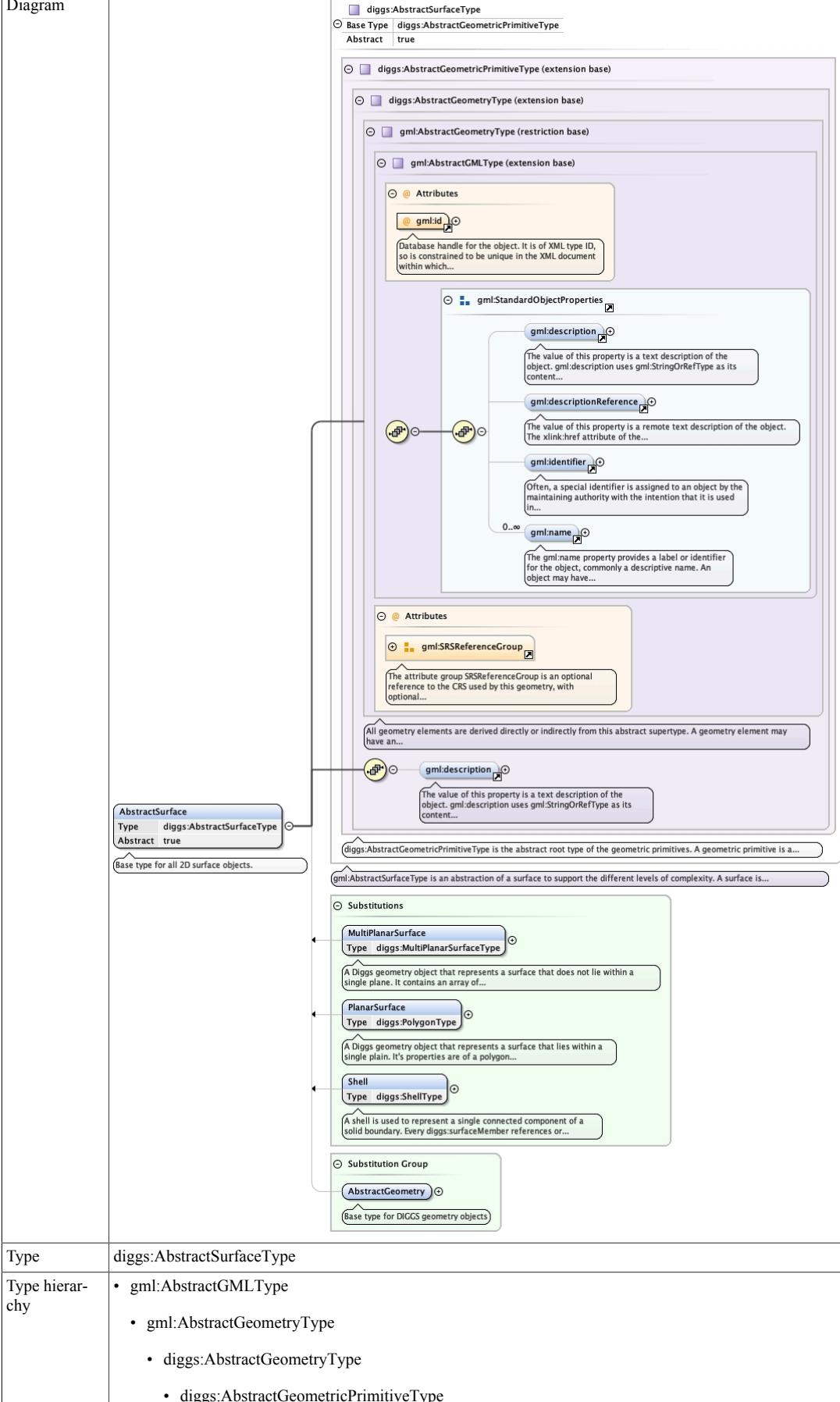
Element diggs:AbstractVolumeSamplingFeatureType / diggs:volumeReferencing

Namespace	http://diggsml.org/schemas/2.6						
Diagram	<p>The diagram shows a UML class hierarchy. At the top is a purple square representing a property type. Below it is a blue rounded rectangle representing the base class 'diggs:VectorLinearSpatialReferenceSystem'. An arrow points from the property type to the base class, indicating inheritance. A callout bubble provides a detailed description: 'An object extending glr:LinearSRS to add an offset vector to fix a planar orientation, this fixing a planar relative...'.</p>						
Type	diggs:VectorLinearSpatialReferenceSystemPropertyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	diggs:VectorLinearSpatialReferenceSystem						
Children	diggs:VectorLinearSpatialReferenceSystem						
Instance	<pre><diggs:volumeReferencing xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:VectorLinearSpatialReferenceSystem gml:id="">{1,1}</ diggs:VectorLinearSpatialReferenceSystem> </diggs:volumeReferencing></pre>						
Source	<pre><element maxOccurs="unbounded" minOccurs="0" name="volumeReferencing" type="diggs:VectorLinearSpatialReferenceSystemPropertyType"/></pre>						
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd						

Element diggs:AbstractSurface

Namespace	http://diggsml.org/schemas/2.6
Annotations	Base type for all 2D surface objects.

Diagram

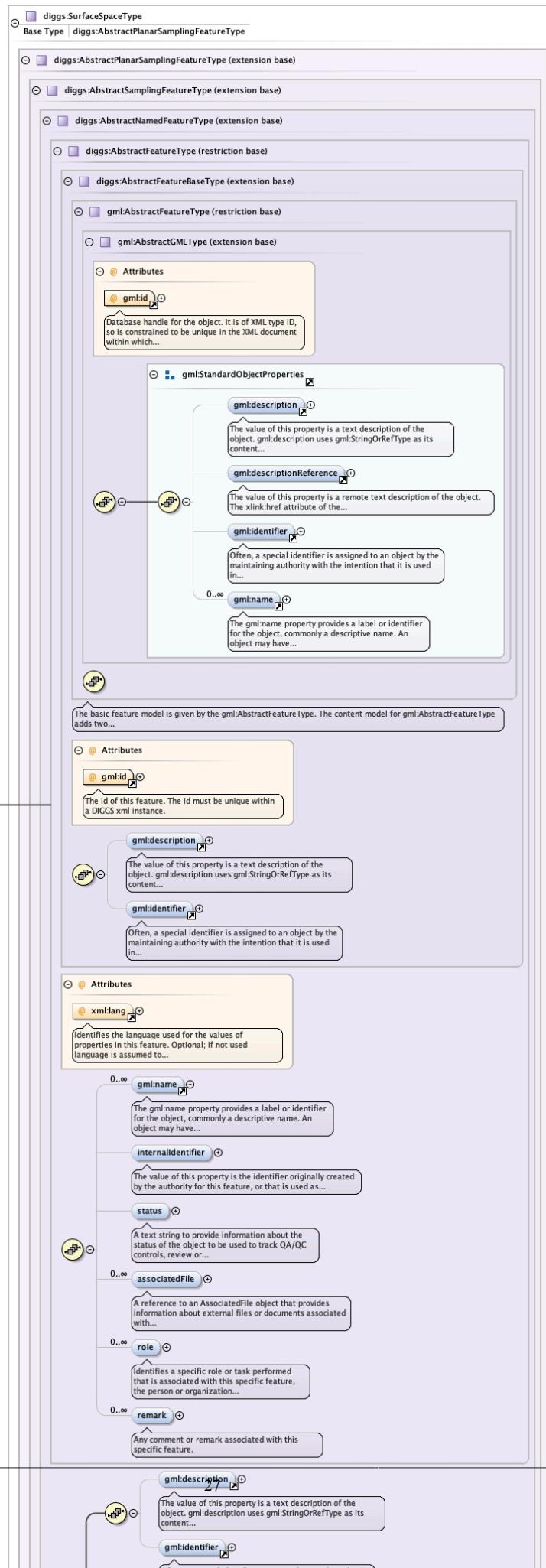


	<ul style="list-style-type: none"> • diggs:AbstractSurfaceType 																												
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> <tr> <td>nilable:</td><td>false</td></tr> </table>	content:	complex	abstract:	true	nilable:	false																						
content:	complex																												
abstract:	true																												
nilable:	false																												
Substitution Group	<ul style="list-style-type: none"> • diggs:Shell • diggs:PlanarSurface • diggs:MultiPlanarSurface 																												
Substitution Group Affiliation	<ul style="list-style-type: none"> • diggs:AbstractGeometry 																												
Used by	Complex Type diggs:AbstractSurfacePropertyType																												
Model	gml:description{0,1}																												
Children	gml:description																												
Instance	<pre><diggs:AbstractSurface axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple" gml:description> </diggs:AbstractSurface></pre>																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td><td></td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td><td></td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
QName	Type	Use																											
axisLabels	gml:NCNameList	optional																											
gml:id	ID	required																											
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.																												
srsDimension	positiveInteger	optional																											
srsName	anyURI	optional																											
uomLabels	gml:NCNameList	optional																											
Source	<pre><element abstract="true" name="AbstractSurface" nilable="false" substitutionGroup="diggs:AbstractGeometry" type="diggs:AbstractSurfaceType"> <annotation> <documentation>Base type for all 2D surface objects.</documentation> </annotation> </element></pre>																												
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																												

Element diggs:SurfaceSpace

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	diggs:SurfaceSpaceType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractPlanarSamplingFeatureType • diggs:SurfaceSpaceType 									
Properties	content: complex									
Substitution Group Affiliation	• diggs:AbstractSamplingFeature									
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name+ , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge{0,1} , diggs:featureExtent{0,1} , diggs:relativeFeatureBoundary{0,1} , diggs:planarReferencing*									
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:planarReferencing, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, gml:description, gml:identifier, gml:name									
Instance	<pre><diggs:SurfaceSpace gml:id="" xml:lang="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:identifier codeSpace="">{0,1}</gml:identifier> <gml:name codeSpace="">{1,unbounded}</gml:name> <diggs:internalIdentifier codeSpace="">{0,1}</diggs:internalIdentifier> <diggs:status codeSpace="">{0,1}</diggs:status> <diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:role>{0,unbounded}</diggs:role> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:investigationTarget>{1,unbounded}</diggs:investigationTarget> <diggs:projectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:projectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:originalProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:associatedProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:programRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:environment>{0,unbounded}</diggs:environment> <diggs:otherSamplingFeatureProperty>{0,unbounded}</diggs:otherSamplingFeatureProperty> <diggs:locality>{0,1}</diggs:locality> <diggs:referencePoint xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:localCoordinates>{0,1}</diggs:localCoordinates> <diggs:referenceEdge xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:featureExtent xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:relativeFeatureBoundary xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:planarReferencing>{0,unbounded}</diggs:planarReferencing> </diggs:relativeFeatureBoundary> </diggs:featureExtent> </diggs:referenceEdge> </diggs:referencePoint> </diggs:programRef> </diggs:associatedProjectRef> </diggs:originalProjectRef> </diggs:associatedProjectRef> </diggs:programRef> </diggs:associatedFile> </gml:description> </diggs:SurfaceSpace></pre>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id
QName	Type	Use								
gml:id	ID	required								
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id								

QName	Type	Use
	attribute.	
xml:lang	union of(xs:language, restriction of xs:string)	optional
	<pre> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc- editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </pre>	
Source	<code><element name="SurfaceSpace" type="diggs:SurfaceSpaceType" substitutionGroup="diggs:AbstractSamplingFeature" /></code>	
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd	

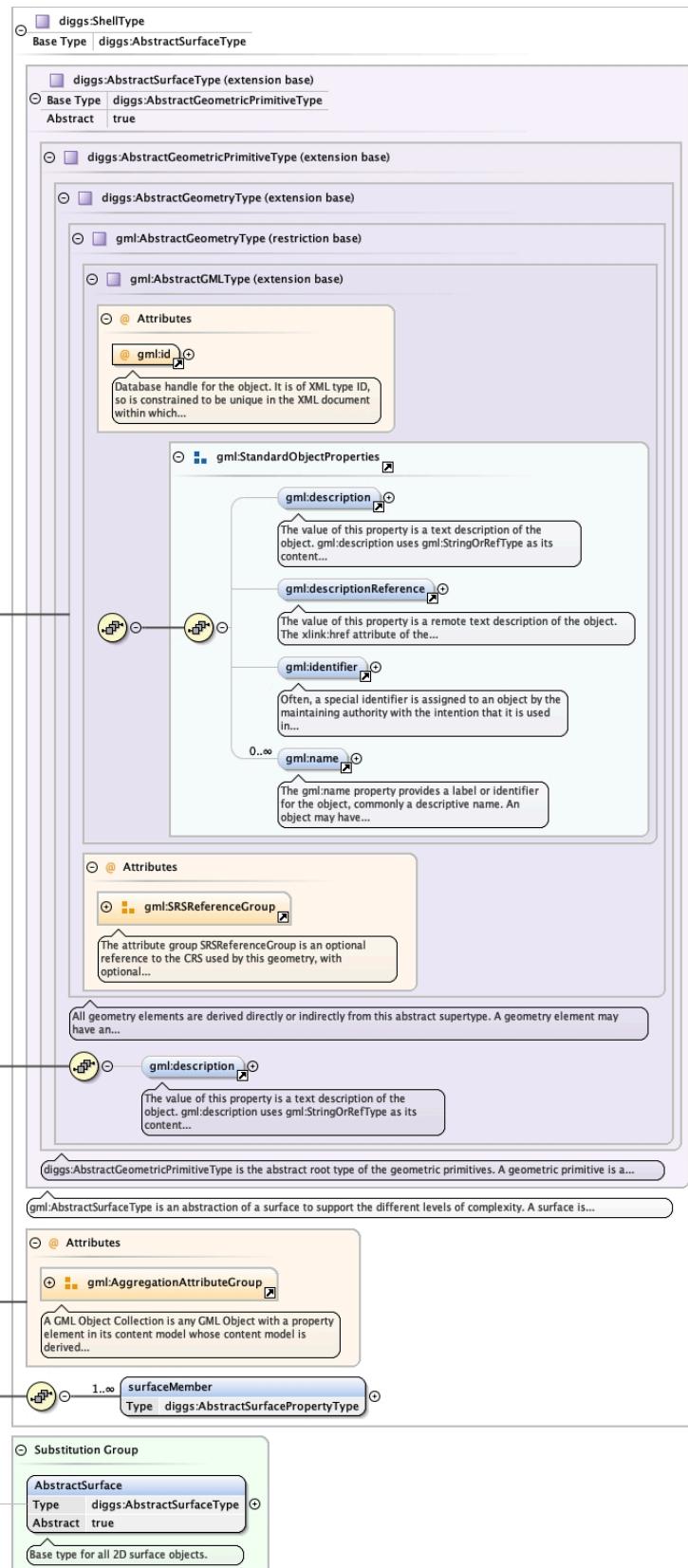
Element diggs:SolidType / diggs:exterior

Namespace	http://diggsml.org/schemas/2.6				
Diagram	<p>The diagram illustrates the relationship between the <code>exterior</code> element and the <code>diggs:Shell</code> element. The <code>exterior</code> element is defined as a <code>diggs:ShellPropertyType</code>. It has a multiplicity of 0..1. The <code>diggs:Shell</code> element is also a <code>diggs:ShellPropertyType</code> and has a multiplicity of 0..1. A note indicates that a shell is used to represent a single connected component of a solid boundary. Every <code>diggs:surfaceMember</code> references or... A property with the content model of <code>gml:ShellPropertyType</code> encapsulates a shell to represent a component of a solid...</p>				
Type	diggs:ShellPropertyType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	diggs:Shell				
Children	diggs:Shell				
Instance	<pre> <diggs:exterior xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:Shell aggregationType="" axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</ diggs:Shell> </diggs:exterior> </pre>				
Source	<code><element minOccurs="0" name="exterior" type="diggs:ShellPropertyType" /></code>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:shell

Namespace	http://diggsml.org/schemas/2.6
Annotations	<p>A shell is used to represent a single connected component of a solid boundary. Every <code>diggs:surfaceMember</code> references or contains one surface, i.e. any element which is substitutable for <code>diggs:AbstractSurface</code>. In the context of a shell, the surfaces describe the boundary of the solid. If provided, the <code>aggregationType</code> attribute shall have the value "set".</p>

Diagram



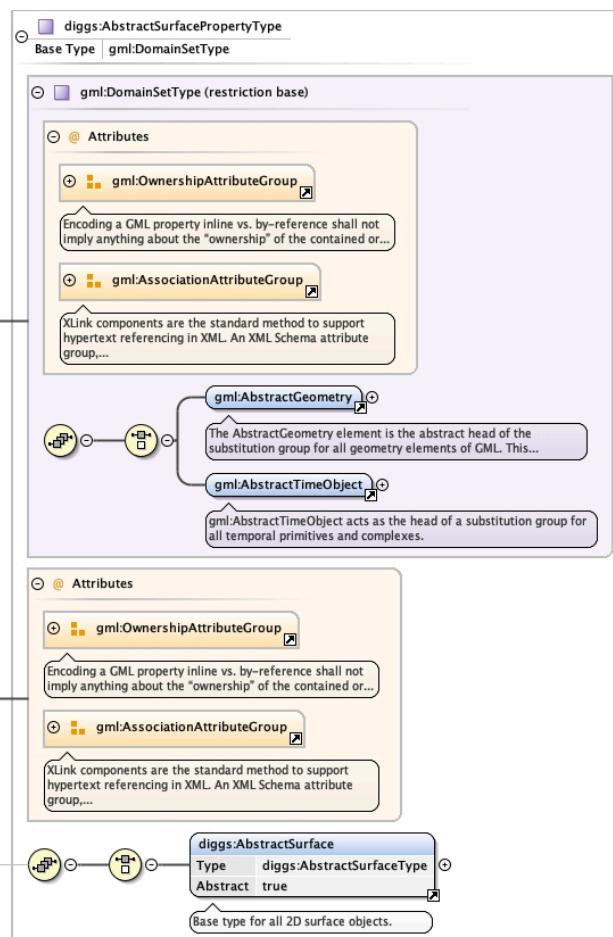
Type	<code>diggs:ShellType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>diggs:AbstractGeometryType</code>

	<ul style="list-style-type: none"> • diggs:AbstractGeometricPrimitiveType • diggs:AbstractSurfaceType • diggs:ShellType 																								
Properties	content: complex																								
Substitution Group Affiliation	• diggs:AbstractSurface																								
Used by	Complex Type diggs:ShellPropertyType																								
Model	gml:description{0,1} , diggs:surfaceMember+																								
Children	diggs:surfaceMember, gml:description																								
Instance	<pre><diggs:Shell aggregationType="" axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:title="" gml:description> <diggs:surfaceMember xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href="" diggs:surfaceMember> </diggs:Shell></pre>																								
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>aggregationType</td><td>gml:AggregationType</td><td>optional</td></tr> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use	aggregationType	gml:AggregationType	optional	axisLabels	gml:NCNameList	optional	gml:id	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																							
aggregationType	gml:AggregationType	optional																							
axisLabels	gml:NCNameList	optional																							
gml:id	ID	required																							
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srsDimension	positiveInteger	optional																							
srsName	anyURI	optional																							
uomLabels	gml:NCNameList	optional																							
Source	<pre><element name="Shell" type="diggs:ShellType" substitutionGroup="diggs:AbstractSurface"> <annotation> <documentation>A shell is used to represent a single connected component of a solid boundary. Every diggs:surfaceMember references or contains one surface, i.e. any element which is substitutable for diggs:AbstractSurface. In the context of a shell, the surfaces describe the boundary of the solid. If provided, the aggregationType attribute shall have the value "set".</documentation> </annotation> </element></pre>																								
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																								

Element **diggs:ShellType / diggs:surfaceMember**

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	<code>diggs:AbstractSurfacePropertyType</code>																																			
Type hierarchy	<ul style="list-style-type: none"> <code>gml:DomainSetType</code> <code>diggs:AbstractSurfacePropertyType</code> 																																			
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded																															
content:	complex																																			
maxOccurs:	unbounded																																			
Model	<code>(diggs:AbstractSurface)</code>																																			
Children	<code>diggs:AbstractSurface</code>																																			
Instance	<pre><diggs:surfaceMember xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href="http://diggsml.org/schemas/2.6"> <diggs:AbstractSurface axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</ diggs:AbstractSurface> </diggs:surfaceMember></pre>																																			
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4"> <p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p> </td></tr> <tr> <td><code>xlink:arcrole</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	restriction of string			optional		<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p>				<code>xlink:arcrole</code>	anyURI			optional	<code>xlink:href</code>	anyURI			optional
QName	Type	Fixed	Default	Use																																
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<code>xlink:actuate</code>	restriction of string			optional																																
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<code>xlink:arcrole</code>	anyURI			optional																																
<code>xlink:href</code>	anyURI			optional																																

QName	Type	Fixed	Default	Use
xlink:role	anyURI			optional
xlink:show	restriction of string			optional
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; its value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained			
xlink:title	string			optional
xlink:type	string	simple		optional
Source	<element name="surfaceMember" type="diggs:AbstractSurfacePropertyType" maxOccurs="unbounded" />			
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd			

Element diggs:SolidType / diggs:interior

Namespace	http://diggsml.org/schemas/2.6						
Diagram	<p>diggs:ShellPropertyType</p> <p>diggs:Shell</p> <p>A shell is used to represent a single connected component of a solid boundary. Every diggs:surfaceMember references or...</p> <p>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid...</p>						
Type	diggs:ShellPropertyType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	diggs:Shell						
Children	diggs:Shell						
Instance	<pre><diggs:interior xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:Shell aggregationType="" axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" >{1,1}</diggs:Shell> </diggs:interior></pre>						
Source	<element maxOccurs="unbounded" minOccurs="0" name="interior" type="diggs:ShellPropertyType"/>						
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd						

Element diggs:SolidType / diggs:uncertainty

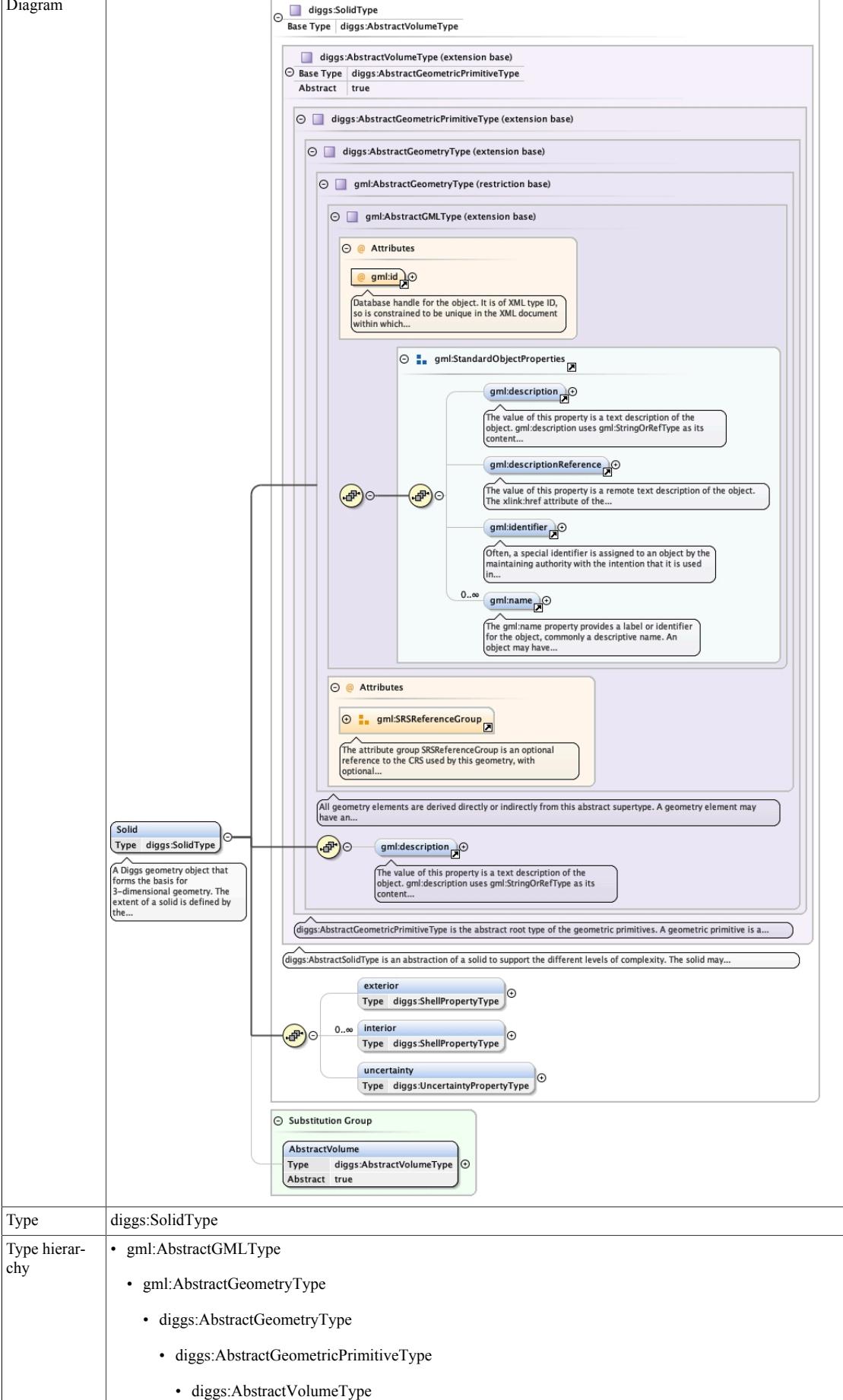
Namespace	http://diggsml.org/schemas/2.6				
Diagram	<p>diggs:UncertaintyPropertyType</p> <p>diggs:Uncertainty</p> <p>The Uncertainty object contains properties to define the uncertainty of a location value or measurement</p>				
Type	diggs:UncertaintyPropertyType				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	diggs:Uncertainty				

Children	diggs:Uncertainty
Instance	<pre><diggs:uncertainty xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:Uncertainty gml:id="" xml:lang="">{1,1}</diggs:Uncertainty> </diggs:uncertainty></pre>
Source	<pre><element minOccurs="0" name="uncertainty" type="diggs:UncertaintyPropertyType" /></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:Solid

Namespace	http://diggsml.org/schemas/2.6
Annotations	A Diggs geometry object that forms the basis for 3-dimensional geometry. The extent of a solid is defined by the boundary surfaces. exterior specifies the outer boundary, interior the inner boundary of the solid.

Diagram

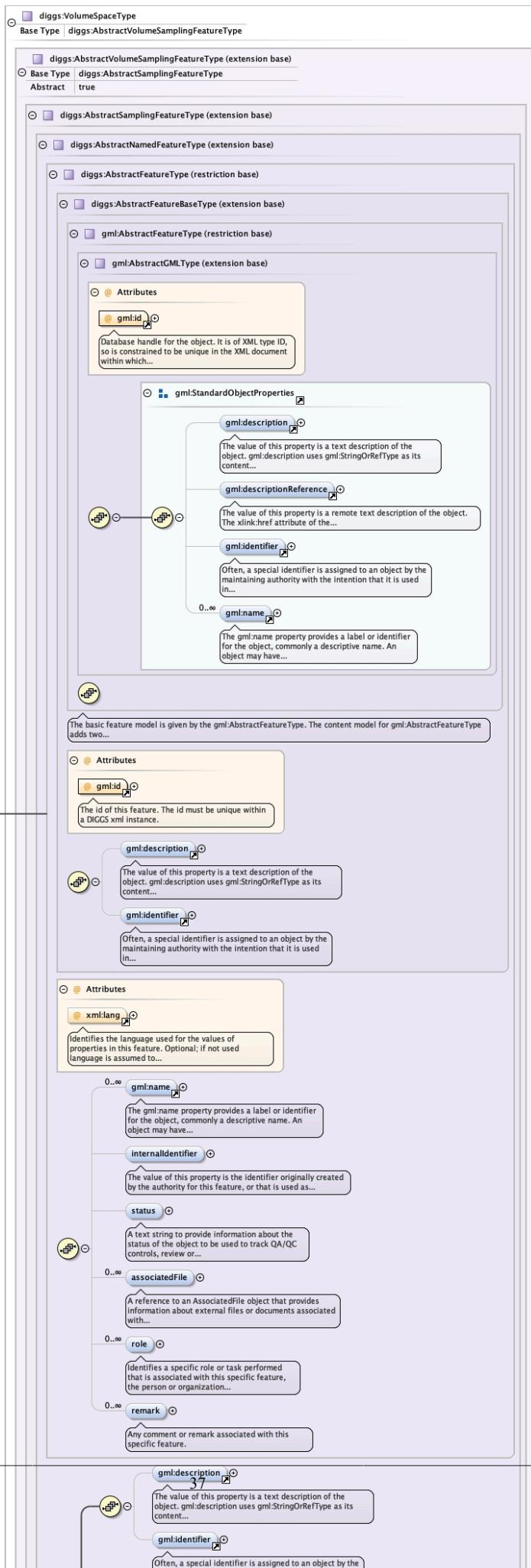


	<ul style="list-style-type: none"> • diggs:SolidType 																					
Properties	content: complex																					
Substitution Group Affiliation	• diggs:AbstractVolume																					
Model	gml:description{0,1} , diggs:exterior{0,1} , diggs:interior* , diggs:uncertainty{0,1}																					
Children	diggs:exterior, diggs:interior, diggs:uncertainty, gml:description																					
Instance	<pre><diggs:Solid axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <diggs:exterior>{0,1}</diggs:exterior> <diggs:interior>{0,unbounded}</diggs:interior> <diggs:uncertainty>{0,1}</diggs:uncertainty> </diggs:Solid></pre>																					
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	gml:id	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																				
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srsDimension	positiveInteger	optional																				
srsName	anyURI	optional																				
uomLabels	gml:NCNameList	optional																				
Source	<pre><element name="Solid" substitutionGroup="diggs:AbstractVolume" type="diggs:SolidType"> <annotation> <documentation>A Diggs geometry object that forms the basis for 3-dimensional geometry. The extent of a solid is defined by the boundary surfaces. exterior specifies the outer boundary, interior the inner boundary of the solid.</documentation> </annotation> </element></pre>																					
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																					

Element diggs:VolumeSpace

Namespace	http://diggsml.org/schemas/2.6
Annotations	A Diggs geometry object that represents a surface that does not lie within a single plane. It contains an array of polygon patches, each of which contain an inner and optionally outer ring that define the extent of the patch. All of the coordinate points within a patch must be coplanar, and each patch must share an edge with an adjacent patch to form a continuous surface.

Diagram



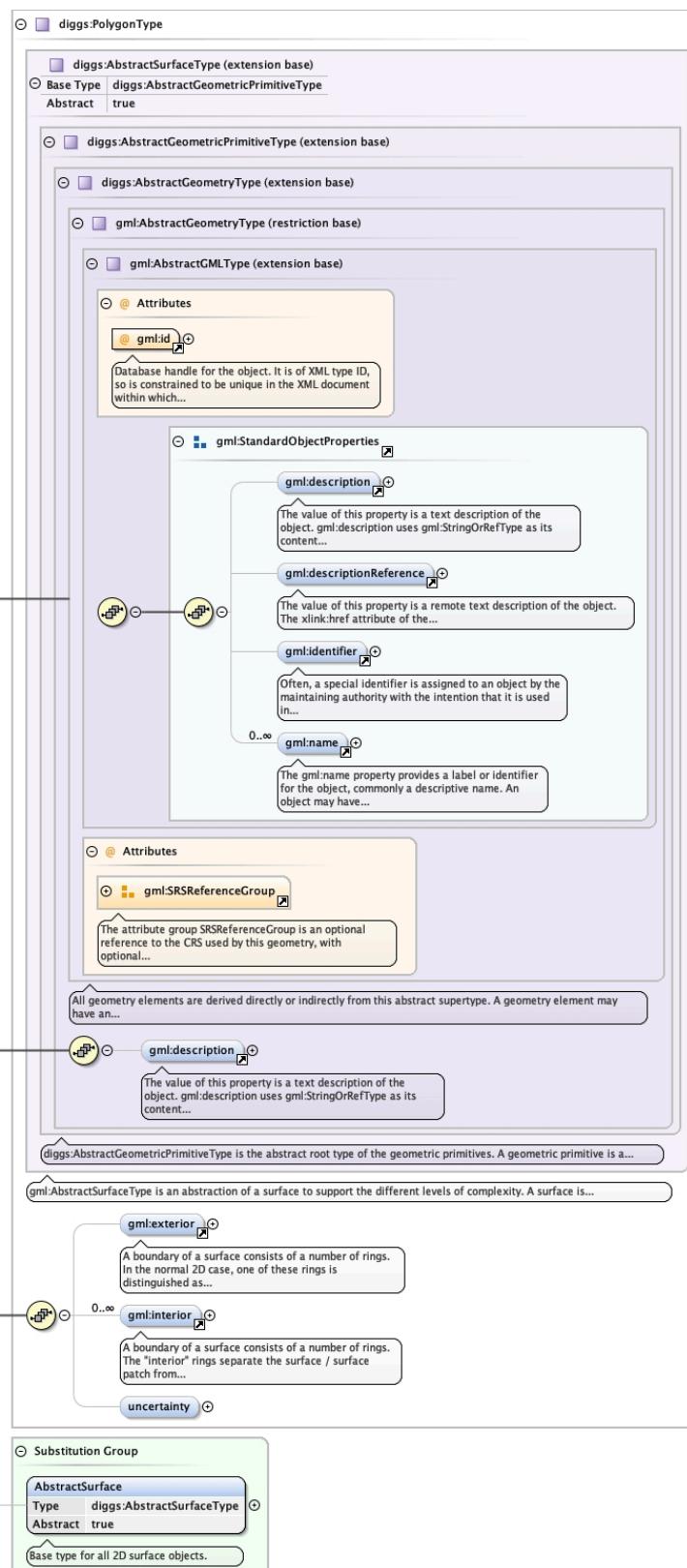
Type	diggs:VolumeSpaceType									
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractVolumeSamplingFeatureType • diggs:VolumeSpaceType 									
Properties	content: complex									
Substitution Group Affiliation	• diggs:AbstractSamplingFeature									
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name+ , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge{0,1} , diggs:featureExtent{0,1} , diggs:relativeFeatureBoundary{0,1} , diggs:volumeReferencing*									
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, diggs:volumeReferencing, gml:description, gml:identifier, gml:name									
Instance	<pre><diggs:VolumeSpace gml:id="" xml:lang="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:identifier codeSpace="">{0,1}</gml:identifier> <gml:name codeSpace="">{1,unbounded}</gml:name> <diggs:internalIdentifier codeSpace="">{0,1}</diggs:internalIdentifier> <diggs:status codeSpace="">{0,1}</diggs:status> <diggs:associatedFile xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlink:type="simple"> <diggs:role>{0,unbounded}</diggs:role> <diggs:remark>{0,unbounded}</diggs:remark> <diggs:investigationTarget>{1,unbounded}</diggs:investigationTarget> <diggs:projectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:type="simple"> <diggs:projectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:type="simple"> <diggs:originalProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:type="simple"> <diggs:associatedProjectRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:type="simple"> <diggs:programRef xlink:actuate="" xlink:arcrole="" xlink:href="" identifierRef="" nilReason="" owns="false" xlink:type="simple"> <diggs:environment>{0,unbounded}</diggs:environment> <diggs:otherSamplingFeatureProperty>{0,unbounded}</diggs:otherSamplingFeatureProperty> <diggs:locality>{0,1}</diggs:locality> <diggs:referencePoint xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:localCoordinates>{0,1}</diggs:localCoordinates> <diggs:referenceEdge xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:featureExtent xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:relativeFeatureBoundary xlink:role="" xlink:actuate="" xlink:show="" xlink:arcrole="" xlink:title="" xlink:href=""> <diggs:volumeReferencing>{0,unbounded}</diggs:volumeReferencing> </diggs:relativeFeatureBoundary> </diggs:featureExtent> </diggs:referenceEdge> </diggs:referencePoint> </diggs:programRef> </diggs:associatedProjectRef> </diggs:originalProjectRef> </diggs:associatedProjectRef> </diggs:programRef> </diggs:associatedFile> </gml:description> </diggs:VolumeSpace></pre>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td></td><td>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id</td></tr> </tbody> </table>	QName	Type	Use	gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id
QName	Type	Use								
gml:id	ID	required								
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id								

QName	Type	Use
	attribute.	
xml:lang	union of(xs:language, restriction of xs:string)	optional
	<pre> <div> <h3>lang (as an attribute name)</h3> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <h4>Notes</h4> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc- editor.org/rfc/bcp/bcp47.txtand the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registryfor further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div></pre>	
Source	<pre> <element name="VolumeSpace" substitutionGroup="diggs:AbstractSamplingFeature" type="diggs:VolumeSpaceType"> <annotation> <documentation>A Diggs geometry object that represents a surface that does not lie within a single plane. It contains an array of polygon patches, each of which contain and inner and optionally outer ring that define the extent of the patch. All of the coordinate points within a patch must be coplanar, and each patch must share an edge with an adjacent patch to form a continuous surface.</documentation> </annotation> </element></pre>	
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd	

Element diggs:PlanarSurface

Namespace	http://diggsml.org/schemas/2.6
Annotations	A Diggs geometry object that represents a surface that lies within a single plain. It's properties are of a polygon with an outer ring and optionally multiple inner rings. The coordinate points that define all of the rings must be coplanar

Diagram



Type	diggs:PolygonType
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Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType
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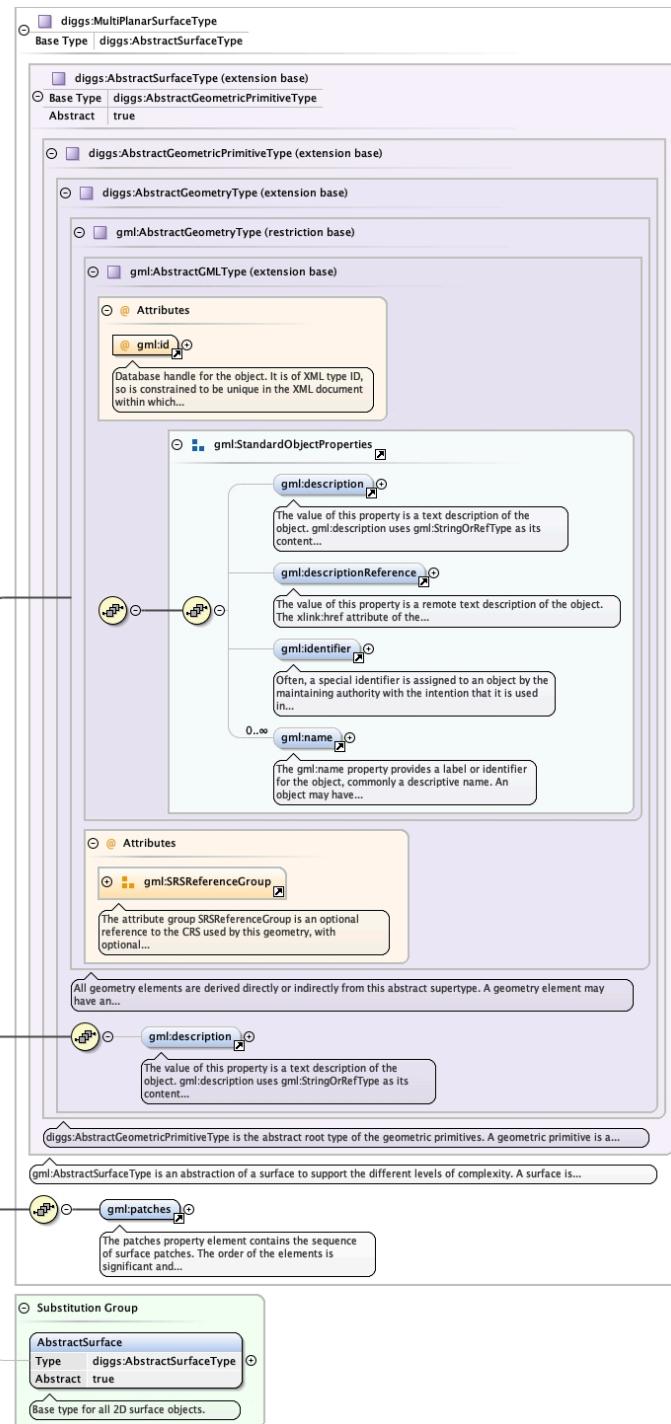
- gml:AbstractGeometryType
- diggs:AbstractGeometryType
- diggs:AbstractGeometricPrimitiveType

	<ul style="list-style-type: none"> • diggs:AbstractSurfaceType • diggs:PolygonType 																												
Properties	content: complex																												
Substitution Group Affiliation	• diggs:AbstractSurface																												
Model	gml:description{0,1} , gml:exterior{0,1} , gml:interior* , diggs:uncertainty{0,1}																												
Children	diggs:uncertainty, gml:description, gml:exterior, gml:interior																												
Instance	<pre><diggs:PlanarSurface axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:exterior>{0,1}</gml:exterior> <gml:interior>{0,unbounded}</gml:interior> <diggs:uncertainty>{0,1}</diggs:uncertainty> </diggs:PlanarSurface></pre>																												
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> <td></td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> <td></td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> <td></td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> <td></td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> <td></td> </tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		gml:id	ID	required				Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
QName	Type	Use																											
axisLabels	gml:NCNameList	optional																											
gml:id	ID	required																											
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.																											
srsDimension	positiveInteger	optional																											
srsName	anyURI	optional																											
uomLabels	gml:NCNameList	optional																											
Source	<pre><element name="PlanarSurface" substitutionGroup="diggs:AbstractSurface" type="diggs:PolygonType"> <annotation> <documentation>A Diggs geometry object that represents a surface that lies within a single plain. It's properties are of a polygon with an outer ring and optionally multiple inner rings. The coordinate points that define all of the rings must be coplanar</documentation> </annotation> </element></pre>																												
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																												

Element **diggs:MultiPlanarSurface**

Namespace	http://diggsml.org/schemas/2.6
Annotations	A Diggs geometry object that represents a surface that does not lie within a single plane. It contains an array of polygon patches, each of which contain an inner and optionally outer ring that define the extent of the patch. All of the coordinate points within a patch must be coplanar, and each patch must share an edge with an adjacent patch to form a continuous surface.

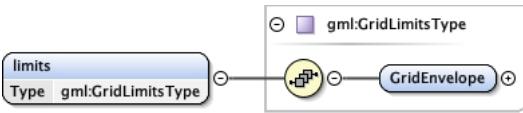
Diagram



Type	<code>diggs:MultiPlanarSurfaceType</code>
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>diggs:AbstractGeometryType</code> • <code>diggs:AbstractGeometricPrimitiveType</code> • <code>diggs:AbstractSurfaceType</code> • <code>diggs:MultiPlanarSurfaceType</code>
Properties	content: complex

Substitution Group Affiliation	• diggs:AbstractSurface		
Model	gml:description{0,1} , gml:patches		
Children	gml:description, gml:patches		
Instance	<diggs:MultiPlanarSurface axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="simple"> <gml:patches>{1,1}</gml:patches> </gml:description> </diggs:MultiPlanarSurface>		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	gml:id	ID	required
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.	
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional
Source	<element name="MultiPlanarSurface" substitutionGroup="diggs:AbstractSurface" type="diggs:MultiPlanarSurfaceType"> <annotation> <documentation>A Diggs geometry object that represents a surface that does not lie within a single plane. It contains an array of polygon patches, each of which contain an inner and optionally outer ring that define the extent of the patch. All of the coordinate points within a patch must be coplanar, and each patch must share an edge with an adjacent patch to form a continuous surface.</documentation> </annotation> </element>		
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

Element diggs:GridType / diggs:limits

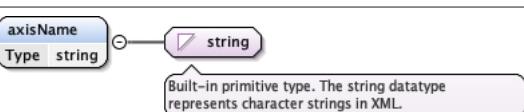
Namespace	http://diggsml.org/schemas/2.6
Diagram	
Type	gml:GridLimitsType
Properties	content: complex
Model	gml:GridEnvelope
Children	gml:GridEnvelope
Instance	<diggs:limits xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:GridEnvelope>{1,1}</gml:GridEnvelope> </diggs:limits>
Source	<element name="limits" type="gml:GridLimitsType"/>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:GridType / diggs:axisLabels

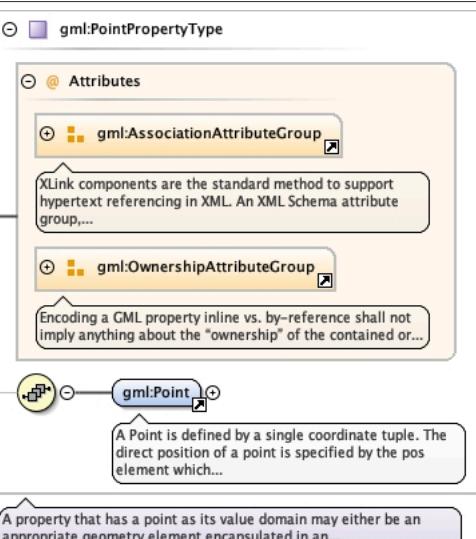
Namespace	http://diggsml.org/schemas/2.6
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Diagram	
Type	gml:NCNameList
Properties	content: simple
Source	<element name="axisLabels" type="gml:NCNameList"/>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:GridType / diggs:axisName

Namespace	http://diggsml.org/schemas/2.6
Diagram	
Type	string
Properties	content: simple maxOccurs: unbounded
Source	<element maxOccurs="unbounded" name="axisName" type="string"/>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Element diggs:RectifiedGridType / diggs:origin

Namespace	http://diggsml.org/schemas/2.6																				
Diagram																					
Type	gml:PointPropertyType																				
Properties	content: complex																				
Model	gml:Point																				
Children	gml:Point																				
Instance	<diggs:origin xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:Point axisLabels="" gml:id="" srsDimension="" srsName="" uomLabels="">{1,1}</gml:Point> </diggs:origin>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> <tr> <td>xlink:actuate</td> <td>restriction of string</td> <td></td> <td></td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional	xlink:actuate	restriction of string			optional
QName	Type	Fixed	Default	Use																	
nilReason	gml:NilReasonType			optional																	
owns	boolean		false	optional																	
xlink:actuate	restriction of string			optional																	

QName	Type	Fixed	Default	Use	
	The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows: onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<element name="origin" type="gml:PointPropertyType"/>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:RectifiedGridType / diggs:offsetVector

Namespace	http://diggsml.org/schemas/2.6				
Diagram	<pre> classDiagram class offsetVector { <<gml:VectorType>> <<gml:DirectPositionType (restriction base)>> <<gml:doubleList>> <<gml:SRSReferenceGroup>> } offsetVector < -- gml:VectorType </pre> <p>A type for a list of values of the respective simple type.</p> <p>The attribute group SRSReferenceGroup is an optional reference to the CRS used by this geometry, with optional...</p> <p>For some applications the components of the position may be adjusted to yield a unit vector.</p>				
Type	gml:VectorType				
Type hierarchy	<ul style="list-style-type: none"> anySimpleType gml:doubleList gml:DirectPositionType gml:VectorType 				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				

Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	srsDimension	positiveInteger	optional
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional
Source	<element maxOccurs="unbounded" name="offsetVector" type="gml:VectorType"/>		
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

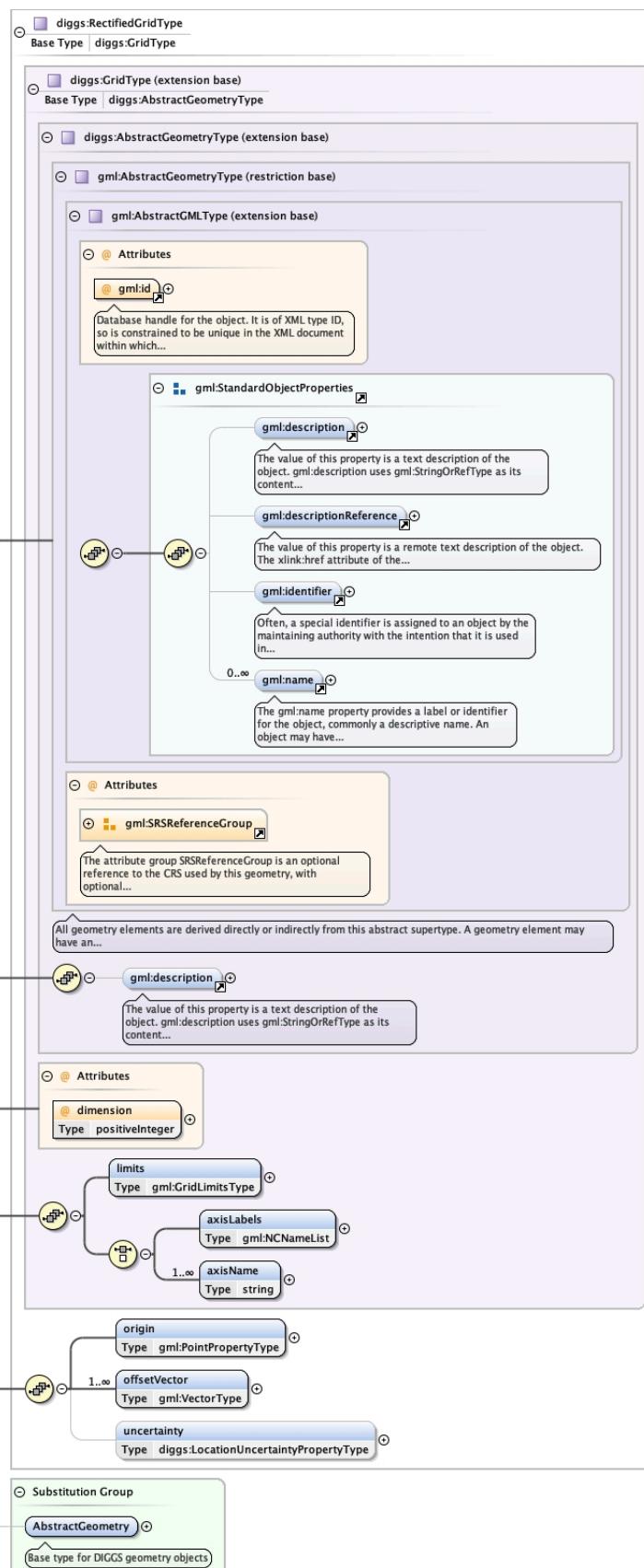
Element diggs:RectifiedGridType / diggs:uncertainty

Namespace	http://diggsml.org/schemas/2.6				
Diagram	<pre> classDiagram class diggs:LocationUncertaintyPropertyType { <<uncertainty>> <<Type>> } class diggs:LocationUncertainty { <<diggs:LocationUncertainty>> } diggs:LocationUncertaintyPropertyType "0..1" -- "0..1" diggs:LocationUncertainty note over diggs:LocationUncertainty: Contains properties to define the uncertainty of a location value. </pre>				
Type	diggs:LocationUncertaintyPropertyType				
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	diggs:LocationUncertainty				
Children	diggs:LocationUncertainty				
Instance	<pre> <diggs:uncertainty xmlns:diggs="http://diggsml.org/schemas/2.6"> <diggs:LocationUncertainty gml:id="" xml:lang="">{1,1}</diggs:LocationUncertainty> </diggs:uncertainty> </pre>				
Source	<element minOccurs="0" name="uncertainty" type="diggs:LocationUncertaintyPropertyType"/>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Element diggs:RectifiedGrid

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	<code>diggs:RectifiedGridType</code>
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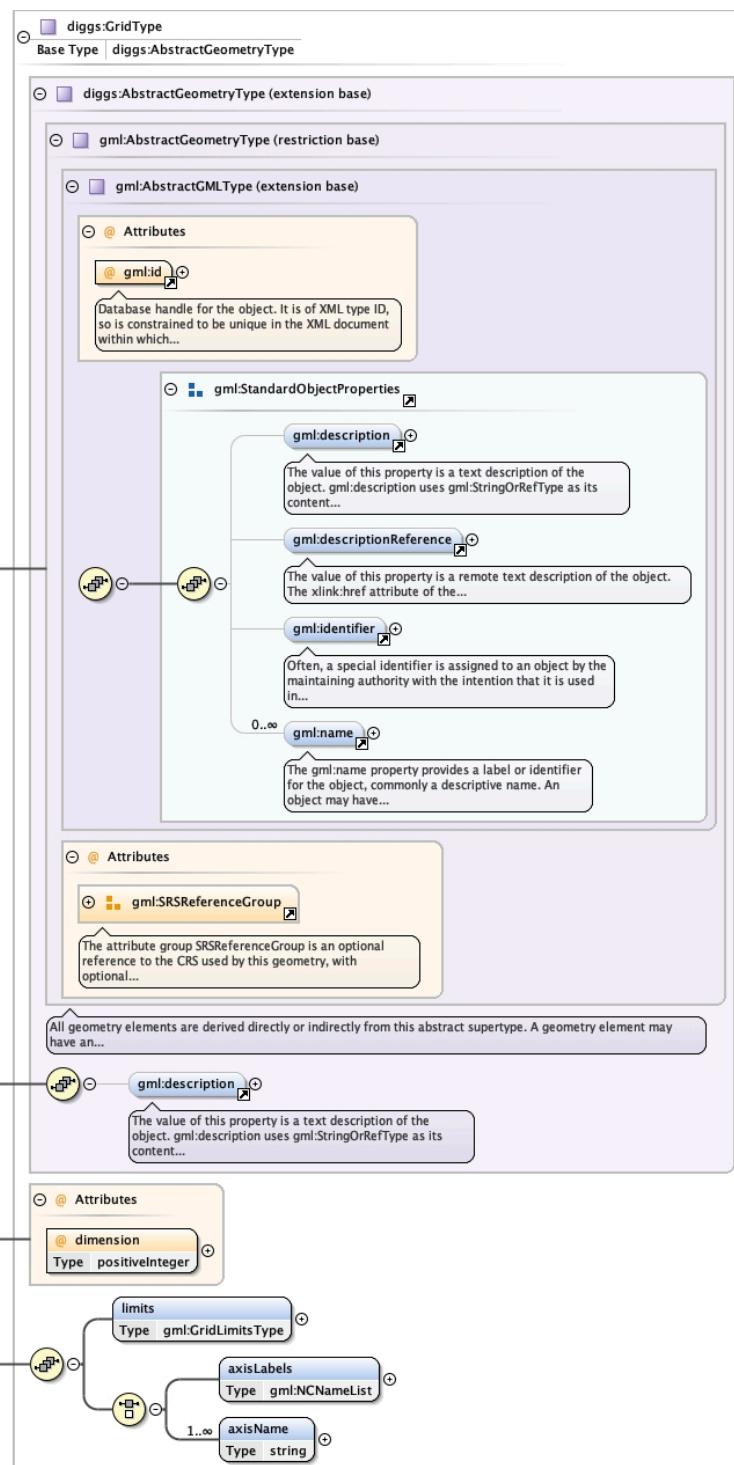
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code>
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	<ul style="list-style-type: none"> • diggs:AbstractGeometryType • diggs:GridType • diggs:RectifiedGridType 																								
Properties	content: complex																								
Substitution Group Affiliation	• diggs:AbstractGeometry																								
Model	gml:description {0,1} , diggs:limits , (diggs:axisLabels diggs:axisName+) , diggs:origin , diggs:offsetVector+ , diggs:uncertainty {0,1}																								
Children	diggs:axisLabels, diggs:axisName, diggs:limits, diggs:offsetVector, diggs:origin, diggs:uncertainty, gml:description																								
Instance	<pre><diggs:RectifiedGrid axisLabels="" dimension="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsm.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type="text" gml:description> <diggs:limits>{1,1}</diggs:limits> <diggs:axisLabels>{1,1}</diggs:axisLabels> <diggs:axisName>{1,unbounded}</diggs:axisName> <diggs:origin xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" owns="false" xlink:role="" xlink:show="" diggs:origin> <diggs:offsetVector axisLabels="" srsDimension="" srsName="" uomLabels="">{1,unbounded}</diggs:offsetVector> <diggs:uncertainty>{0,1}</diggs:uncertainty> </diggs:RectifiedGrid></pre>																								
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>dimension</td> <td>positiveInteger</td> <td>required</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	axisLabels	gml:NCNameList	optional	dimension	positiveInteger	required	gml:id	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		srsDimension	positiveInteger	optional	srsName	anyURI	optional	uomLabels	gml:NCNameList	optional
QName	Type	Use																							
axisLabels	gml:NCNameList	optional																							
dimension	positiveInteger	required																							
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srsDimension	positiveInteger	optional																							
srsName	anyURI	optional																							
uomLabels	gml:NCNameList	optional																							
Source	<pre><element name="RectifiedGrid" substitutionGroup="diggs:AbstractGeometry" type="diggs:RectifiedGridType" /></pre>																								
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																								

Element **diggs:Grid**

Namespace	http://diggsm.org/schemas/2.6
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Diagram



Type	diggs:GridType
Type hierarchy	<ul style="list-style-type: none"> gml:AbstractGMLType gml:AbstractGeometryType diggs:AbstractGeometryType diggs:GridType
Properties	content: complex
Model	gml:description{0,1} , diggs:limits , (diggs:axisLabels diggs:axisName+)
Children	diggs:axisLabels, diggs:axisName, diggs:limits, gml:description

Instance	<pre><diggs:Grid axisLabels="" dimension="" gml:id="" srsDimension="" srsName="" uomLabels="" xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:description xlink:actuate="" xlink:arcrole="" xlink:href="" nilReason="" xlink:role="" xlink:show="" xlink:type=""> <diggs:limits>{1,1}</diggs:limits> <diggs:axisLabels>{1,1}</diggs:axisLabels> <diggs:axisName>{1,unbounded}</diggs:axisName> </diggs:Grid></pre>			
Attributes	QName	Type	Use	
	axisLabels	gml:NCNameList	optional	
	dimension	positiveInteger	required	
	gml:id	ID	required	
	<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p>			
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	
Source	<pre><element name="Grid" type="diggs:GridType"/></pre>			
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd			

Element diggs:gridMappingFunction

Namespace	http://diggsml.org/schemas/2.6
Annotations	The gridMappingFunction property describes the mapping function from the domain to the range for gridded locations. If omitted, the gml:startPoint is assumed to be the value of the gml:low property in the gml:Grid geometry, and the gml:sequenceRule is assumed to be linear and the gml:axisOrder property is assumed to be +1 +2+.
Diagram	
Type	gml:CovarianceFunctionType
Properties	content: complex
Substitution Group Affiliation	• gml:AbstractObject
Used by	Complex Type diggs:TestResultType
Model	gml:GridFunction
Children	gml:GridFunction
Instance	<pre><diggs:gridMappingFunction xmlns:diggs="http://diggsml.org/schemas/2.6" xmlns:gml="http://www.opengis.net/gml/3.2"> <gml:GridFunction>{1,1}</gml:GridFunction> </diggs:gridMappingFunction></pre>
Source	<pre><element name="gridMappingFunction" substitutionGroup="gml:AbstractObject" type="gml:CovarianceFunctionType"> <annotation></pre>

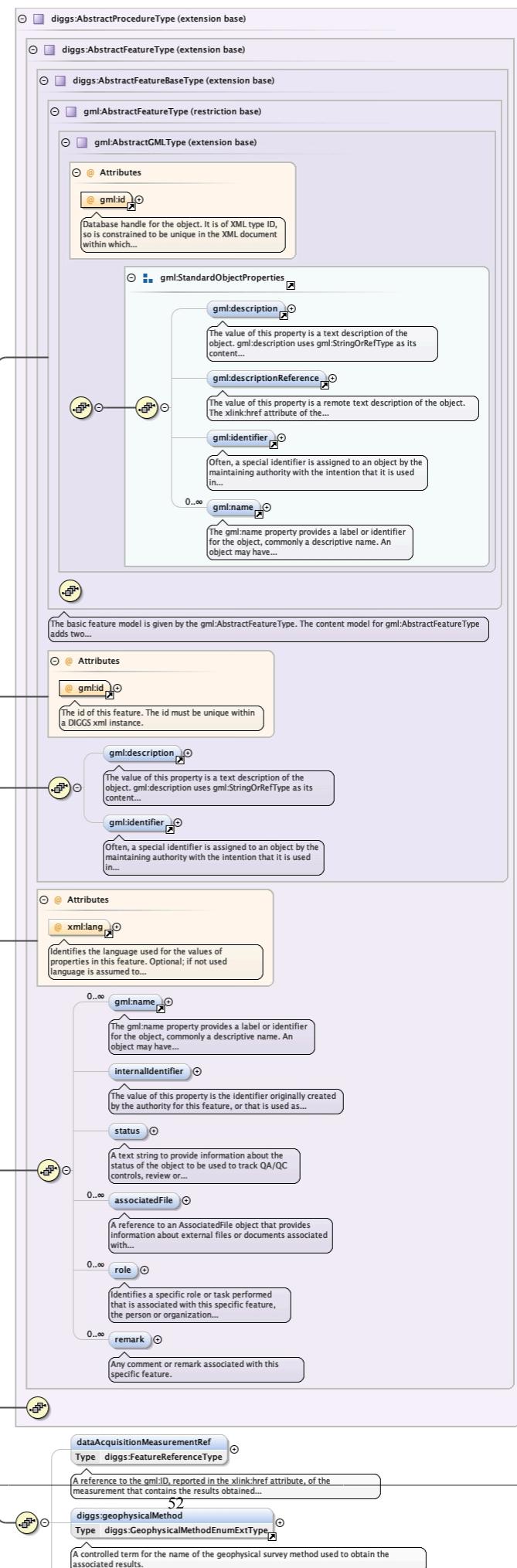
	<pre><documentation>The gridMappingFunction property describes the mapping function from the domain to the range for gridded locations. If omitted, the gml:startPoint is assumed to be the value of the gml:low property in the gml:Grid geometry, and the gml:sequenceRule is assumed to be linear and the gml:axisOrder property is assumed to be "1 2".</documentation> </annotation> </element></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Complex Type(s)

Complex Type diggs:ProcessedGeophysicalSurveyType

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	extension of diggs:AbstractProcedureType																						
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractProcedureType • diggs:ProcessedGeophysicalSurveyType 																						
Used by	Element diggs:ProcessedGeophysicalSurvey																						
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name* , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:dataAcquisitionMeasurementRef{0,1} , diggs:geophysicalMethod{0,1} , diggs:processingSteps{0,1}																						
Children	diggs:associatedFile, diggs:dataAcquisitionMeasurementRef, diggs:geophysicalMethod, diggs:internalIdentifier, diggs:processingSteps, diggs:remark, diggs:role, diggs:status, gml:description, gml:identifier, gml:name																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>xml:lang</td><td>union of(xs:language, restriction of xs:string)</td><td>optional</td><td></td></tr> <tr> <td></td><td colspan="3"> <div style="border: 1px solid black; padding: 10px;"> <p><div></p> <p style="margin-left: 20px;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 20px;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p style="margin-left: 20px;"></div></p> <p><div></p> <p style="margin-left: 20px;"><h4>Notes</h4></p> <p style="margin-left: 20px;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 20px;"><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p style="margin-left: 20px;"><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p> <p style="margin-left: 20px;"></div></p> </div> </td></tr> </tbody> </table>			QName	Type	Use		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			xml:lang	union of(xs:language, restriction of xs:string)	optional			<div style="border: 1px solid black; padding: 10px;"> <p><div></p> <p style="margin-left: 20px;"><h3>lang (as an attribute name)</h3></p> <p style="margin-left: 20px;"><p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p></p> <p style="margin-left: 20px;"></div></p> <p><div></p> <p style="margin-left: 20px;"><h4>Notes</h4></p> <p style="margin-left: 20px;"><p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p></p> <p style="margin-left: 20px;"><p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p></p> <p style="margin-left: 20px;"><p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p></p> <p style="margin-left: 20px;"></div></p> </div>		
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Source	<pre> <complexType name="ProcessedGeophysicalSurveyType"> <complexContent> <extension base="diggs:AbstractProcedureType"> <sequence> <element minOccurs="0" name="dataAcquisitionMeasurementRef" type="diggs:FeatureReferenceType"> <annotation> <documentation>A reference to the gml:ID, reported in the xlink:href attribute, of the measurement that contains the results obtained during data acquisition and that serves as input into the processing steps that produce the results of this associated measurement</documentation> </annotation> </element> <element ref="diggs:geophysicalMethod" minOccurs="0"> <annotation> <documentation>A controlled term for the name of the geophysical survey method used to obtain the associated results.</documentation> </annotation> </element> <element minOccurs="0" name="processingSteps" type="diggs:ProcessingStepsArrayType"> <annotation> <documentation>An array of processing step objects that describe the steps undertaken to transform the originally acquired geophysical data to the associated processed results</documentation> </annotation> </element> </sequence> </extension> </complexContent> </complexType> </pre>																						

	<pre> </annotation> </element> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Complex Type diggs:ProcessingStepsArrayType

Namespace	http://diggsml.org/schemas/2.6
Diagram	<pre> classDiagram class ProcessingStepsArrayType { <<sequence maxOccurs="unbounded" minOccurs="0">> <<element ref="diggs:ProcessingStep"/>> } class diggs:ProcessingStepType { <<diggs:ProcessingStep>> } ProcessingStepsArrayType "0..∞" *-- diggs:ProcessingStepType </pre>
Used by	Element diggs:ProcessedGeophysicalSurveyType/diggs:processingSteps
Model	diggs:ProcessingStep
Children	diggs:ProcessingStep
Source	<pre> <complexType name="ProcessingStepsArrayType"> <sequence maxOccurs="unbounded" minOccurs="0"> <element ref="diggs:ProcessingStep"/> </sequence> </complexType> </pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Complex Type diggs:ProcessingStepType

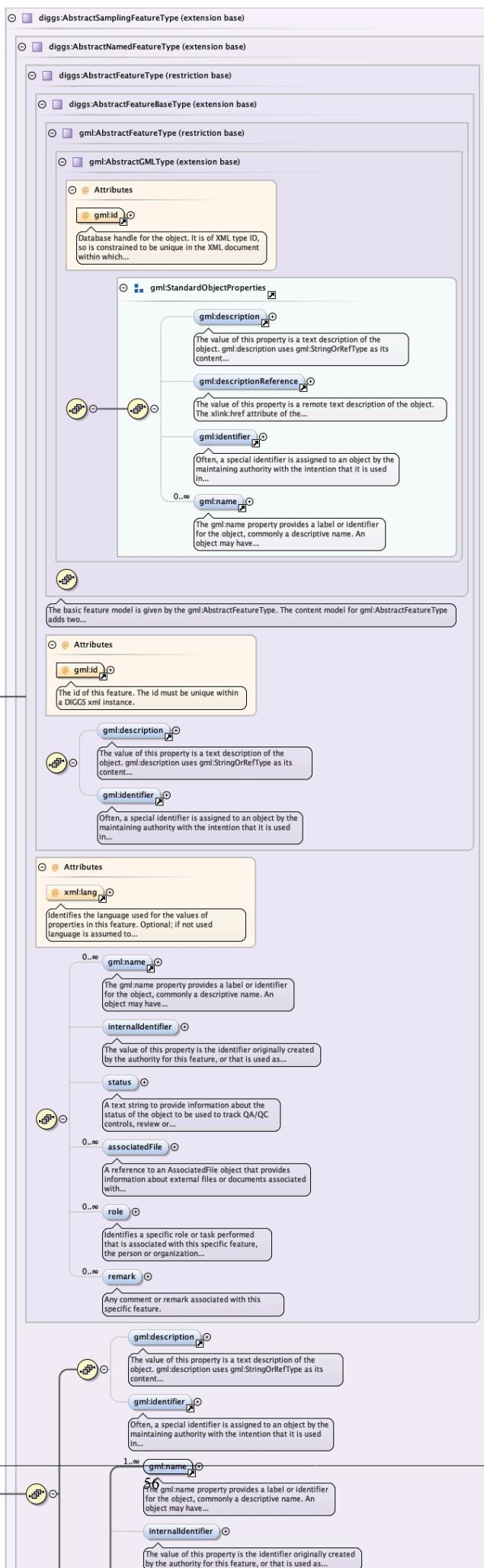
Namespace	http://diggsml.org/schemas/2.6
Diagram	<pre> classDiagram class ProcessingStepType { <<gml:AbstractMetadataPropertyType extension base>> <<Attributes>> <<index positiveInteger>> <<associatedFile diggs:AssociatedFilePropertyType>> <<role diggs:RolePropertyType>> <<remark diggs:RemarkPropertyType>> <<timePerformed diggs:TimeIntervalType>> <<processStepDescription diggs:DiggsStringType>> <<processStepName gml:CodeType>> } class gml:AbstractMetadataPropertyType { <<Attributes>> <<ownership gml:OwnershipAttributeGroup>> } ProcessingStepType "0..∞" *-- gml:AbstractMetadataPropertyType </pre> <p>Annotations for attributes:</p> <ul style="list-style-type: none"> index: To associate metadata described by any XML Schema with a GML object, a property element shall be defined whose content... associatedFile: A reference to an AssociatedFile object that provides information about external files or documents associated with... role: identifies a specific role or task performed that is associated with this specific feature, the person or organization... remark: Any comment or remark associated with this specific processing step. timePerformed: The time or time interval during which the processing step was performed. processStepDescription: A narrative description of the processing step. processStepName: If applicable, a name for this processing step.

Type	extension of gml:AbstractMetadataPropertyType																							
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractMetadataPropertyType • diggs:ProcessingStepType 																							
Used by	Element diggs:ProcessingStep																							
Model	diggs:associatedFile*, diggs:role*, diggs:remark*, diggs:timePerformed{0,1}, diggs:processStepDesscription{0,1}, diggs:processStepName{0,1}																							
Children	diggs:associatedFile, diggs:processStepDesscription, diggs:processStepName, diggs:remark, diggs:role, diggs:timePerformed																							
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Source	<pre> <complexType name="ProcessingStepType"> <complexContent> <extension base="gml:AbstractMetadataPropertyType"> <sequence> <element maxOccurs="unbounded" minOccurs="0" name="associatedFile" type="diggs:AssociatedFilePropertyType"> <annotation> <appinfo source="urn:x-gml:targetElement">diggs:AssociatedFile</appinfo> <documentation>A reference to an AssociatedFile object that provides information about external files or documents associated with this processing step. The target value is indicated in the appinfo element.</documentation> </annotation> </element> <element maxOccurs="unbounded" minOccurs="0" name="role" type="diggs:RolePropertyType"> <annotation> <documentation>Identifies a specific role or task performed that is associated with this specific feature, the person or organization that performed the role, and associated time frame, if applicable.</documentation> </annotation> </element> <element maxOccurs="unbounded" minOccurs="0" name="remark" type="diggs:RemarkPropertyType"> <annotation> <documentation>Any comment or remark associated with this specific processing step.</documentation> </annotation> </element> <element minOccurs="0" name="timePerformed" type="diggs:TimeIntervalType"> <annotation> <documentation>The time or time interval during which the processing step was performed.</documentation> </annotation> </element> <element minOccurs="0" name="processStepDesscription" type="diggs:DiggsStringType"> <annotation> <documentation>A narrative description of the processing step</documentation> </annotation> </element> <element minOccurs="0" name="processStepName" type="gml:CodeType"> <annotation> <documentation>If applicable, a name for this processing step.</documentation> </annotation> </element> </sequence> <attribute name="index" type="positiveInteger"> <annotation> <documentation>This attribute is used to explicitly define the sequence of processing steps, numbered as 1,2,3, etc. in sequence order. If omitted, the processing sequence is assumed to follow the order of the ProcessingStep</documentation> </annotation> </attribute> </extension> </complexContent> </complexType></pre>																							
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																							

Complex Type diggs:AbstractVolumeSamplingFeatureType

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type	extension of diggs:AbstractSamplingFeatureType																						
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractVolumeSamplingFeatureType 																						
Properties	abstract: true																						
Used by	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Element</td> <td style="padding: 2px;">diggs:AbstractVolumeSamplingFeature</td> </tr> <tr> <td style="padding: 2px;">Complex Type</td> <td style="padding: 2px;">diggs:VolumeSpaceType</td> </tr> </table>			Element	diggs:AbstractVolumeSamplingFeature	Complex Type	diggs:VolumeSpaceType																
Element	diggs:AbstractVolumeSamplingFeature																						
Complex Type	diggs:VolumeSpaceType																						
Model	<p>gml:description{0,1} , gml:identifier{0,1} , gml:name+ , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge{0,1} , diggs:featureExtent{0,1} , diggs:relativeFeatureBoundary{0,1} , diggs:volumeReferencing*</p>																						
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, diggs:volumeReferencing, gml:description, gml:identifier, gml:name																						
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gml:id	ID	required																					
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Source	<pre style="font-family: monospace; font-size: small; margin: 0;"> <complexType abstract="true" name="AbstractVolumeSamplingFeatureType"> <complexContent> <extension base="diggs:AbstractSamplingFeatureType"> <sequence> <element minOccurs="0" name="referenceEdge" type="diggs:LinearExtentPropertyType"/> <element maxOccurs="1" minOccurs="0" name="featureExtent" type="diggs:AbstractVolumePropertyType"> <annotation> <documentation>This element defines the polygon extent of the planar feature using a absolute CRS. This element can be used for visual representations using typical/simple mapping software</documentation> </annotation> </pre>																						

	<pre> </element> <element maxOccurs="1" minOccurs="0" name="relativeFeatureBoundary" type="diggs:AbstractVolumePropertyType"> <annotation> <documentation>This element defines the polygon extent of the planar feature using a relative planar referencing system (must use planarReferencing property contents). This element should be used for software that can handle planar referencing (e.g. LinearSpatialReferenceSystem in GML 3.3)</documentation> </annotation> </element> <element maxOccurs="unbounded" minOccurs="0" name="volumeReferencing" type="diggs:VectorLinearSpatialReferenceSystemPropertyType"/> </sequence> </extension> </complexContent> </complexType> </pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Complex Type diggs:AbstractVolumePropertyType

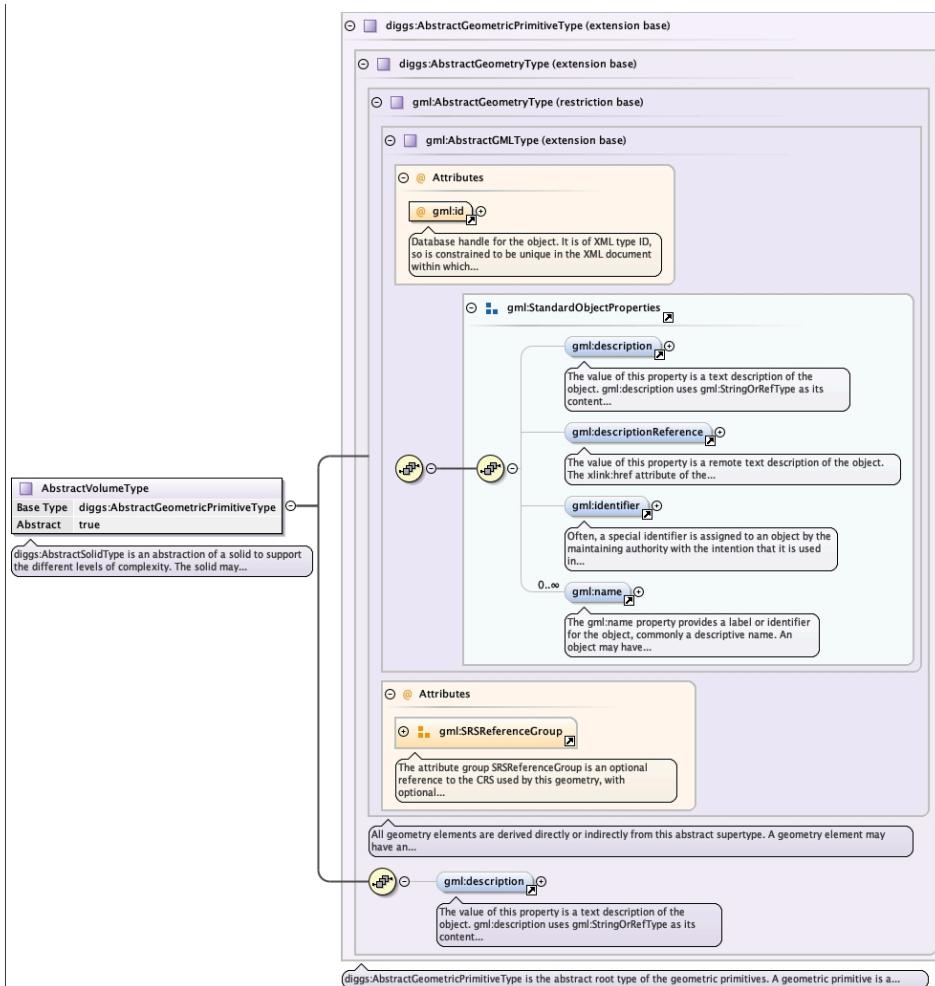
Namespace	http://diggsml.org/schemas/2.6															
Diagram	<p>The diagram illustrates the inheritance path from AbstractVolumePropertyType to gml:DomainSetType. It shows two UML class boxes: one for AbstractVolumePropertyType (highlighted with a red border) and another for gml:DomainSetType (highlighted with a blue border). A line connects them, indicating that AbstractVolumePropertyType inherits from gml:DomainSetType. The gml:DomainSetType class box contains several annotations and components. Annotations include: 'Base Type gml:DomainSetType', 'Attributes', 'gml:OwnershipAttributeGroup', 'gml:AssociationAttributeGroup', and 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'. Components include: 'gml:AbstractGeometry' (with a note: 'The AbstractGeometry element is the abstract head of the substitution group for all geometry elements of GML. This...') and 'gml:AbstractTimeObject' (with a note: 'gml:AbstractTimeObject acts as the head of a substitution group for all temporal primitives and complexes.'). The AbstractVolumePropertyType class box also contains annotations: 'Attributes', 'gml:OwnershipAttributeGroup', 'gml:AssociationAttributeGroup', and 'XLink components are the standard method to support hypertext referencing in XML. An XML Schema attribute group,...'. It also includes a component: 'diggs:AbstractVolume' (with a note: 'Type diggs:AbstractVolumeType Abstract true').</p>															
Type	restriction of gml:DomainSetType															
Type hierarchy	<ul style="list-style-type: none"> • gml:DomainSetType • diggs:AbstractVolumePropertyType 															
Used by	Elements diggs:AbstractVolumeSamplingFeatureType/diggs:featureExtent, diggs:AbstractVolumeSamplingFeatureType/diggs:relativeFeatureBoundary															
Model	(diggs:AbstractVolume)															
Children	diggs:AbstractVolume															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Fixed</th> <th>Default</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>nilReason</td> <td>gml:NilReasonType</td> <td></td> <td></td> <td>optional</td> </tr> <tr> <td>owns</td> <td>boolean</td> <td></td> <td>false</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Fixed	Default	Use	nilReason	gml:NilReasonType			optional	owns	boolean		false	optional
QName	Type	Fixed	Default	Use												
nilReason	gml:NilReasonType			optional												
owns	boolean		false	optional												

QName	Type	Fixed	Default	Use	
xlink:actuate	restriction of string			optional	
	<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; it's value should be treated as follows:</p> <ul style="list-style-type: none"> onLoad - traverse to the ending resource immediately on loading the starting resource onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose other - behavior is unconstrained; examine other markup in link for hints none - behavior is unconstrained 				
xlink:arcrole	anyURI			optional	
xlink:href	anyURI			optional	
xlink:role	anyURI			optional	
xlink:show	restriction of string			optional	
	<p>The 'show' attribute is used to communicate the desired presentation of the ending resource on traversal from the starting resource; it's value should be treated as follows:</p> <ul style="list-style-type: none"> new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained 				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<pre><complexType name="AbstractVolumePropertyType"> <complexContent> <restriction base="gml:DomainSetType"> <sequence minOccurs="0"> <choice> <element ref="diggs:AbstractVolume" /> <!-- DSB: REMOVED FROM PROFILE <element ref="gml:AbstractTimeObject" /> --> </choice> </sequence> <attributeGroup ref="gml:OwnershipAttributeGroup" /> <attributeGroup ref="gml:AssociationAttributeGroup" /> </restriction> </complexContent> </complexType></pre>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Complex Type diggs:AbstractVolumeType

Namespace	http://diggsml.org/schemas/2.6
Annotations	diggs:AbstractSolidType is an abstraction of a solid to support the different levels of complexity. The solid may always be viewed as a geometric primitive, i.e. is continuous.

Diagram



Type	extension of <code>diggs:AbstractGeometricPrimitiveType</code>																	
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>diggs:AbstractGeometryType</code> • <code>diggs:AbstractGeometricPrimitiveType</code> • <code>diggs:AbstractVolumeType</code> 																	
Properties	abstract: true																	
Used by	<table border="1"> <tr> <td>Element</td> <td><code>diggs:AbstractVolume</code></td> </tr> <tr> <td>Complex Type</td> <td><code>diggs:SolidType</code></td> </tr> </table>			Element	<code>diggs:AbstractVolume</code>	Complex Type	<code>diggs:SolidType</code>											
Element	<code>diggs:AbstractVolume</code>																	
Complex Type	<code>diggs:SolidType</code>																	
Model	<code>gml:description</code> {0,1}																	
Children	<code>gml:description</code>																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td><code>axisLabels</code></td> <td><code>gml:NCNameList</code></td> <td>optional</td> </tr> <tr> <td><code>gml:id</code></td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> <tr> <td><code>srsDimension</code></td> <td><code>positiveInteger</code></td> <td>optional</td> </tr> </tbody> </table>			QName	Type	Use	<code>axisLabels</code>	<code>gml:NCNameList</code>	optional	<code>gml:id</code>	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		<code>srsDimension</code>	<code>positiveInteger</code>	optional
QName	Type	Use																
<code>axisLabels</code>	<code>gml:NCNameList</code>	optional																
<code>gml:id</code>	ID	required																
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<code>srsDimension</code>	<code>positiveInteger</code>	optional																

	QName	Type	Use	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	
Source	<pre><complexType abstract="true" name="AbstractVolumeType"> <annotation> <documentation>diggs:AbstractSolidType is an abstraction of a solid to support the different levels of complexity. The solid may always be viewed as a geometric primitive, i.e. is continuous.</documentation> </annotation> <complexContent> <extension base="diggs:AbstractGeometricPrimitiveType" /> </complexContent> </complexType></pre>			
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd			

Complex Type diggs:SurfaceSpaceType

Namespace	http://diggsml.org/schemas/2.6
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Diagram

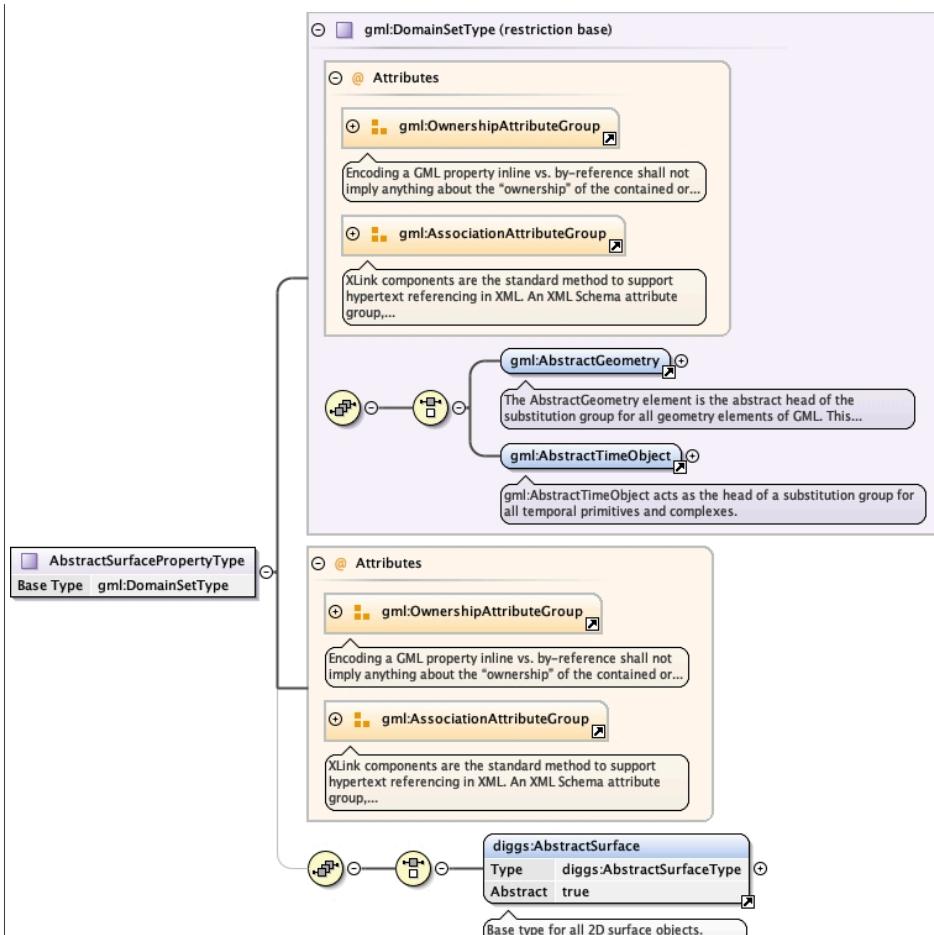


Type	extension of diggs:AbstractPlanarSamplingFeatureType																	
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractPlanarSamplingFeatureType • diggs:SurfaceSpaceType 																	
Used by	Element	diggs:SurfaceSpace																
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name+ , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge{0,1} , diggs:featureExtent{0,1} , diggs:relativeFeatureBoundary{0,1} , diggs:planarReferencing*																	
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:planarReferencing, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, gml:description, gml:identifier, gml:name																	
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> <tr> <td></td><td colspan="2" style="text-align: left;">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>xml:lang</td><td>union of(xs:language, restriction of xs:string)</td><td>optional</td></tr> <tr> <td></td><td colspan="2" style="text-align: left;"> <div style="margin-left: 20px;"> <p>lang (as an attribute name)</p> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> <p>Notes</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </td></tr> </tbody> </table>			QName	Type	Use	gml:id	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		xml:lang	union of(xs:language, restriction of xs:string)	optional		<div style="margin-left: 20px;"> <p>lang (as an attribute name)</p> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> <p>Notes</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>	
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Source	<pre><complexType name="SurfaceSpaceType"> <complexContent> <extension base="diggs:AbstractPlanarSamplingFeatureType" /> </complexContent> </complexType></pre>																	
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																	

Complex Type diggs:AbstractSurfacePropertyType

Namespace	http://diggsml.org/schemas/2.6
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Diagram



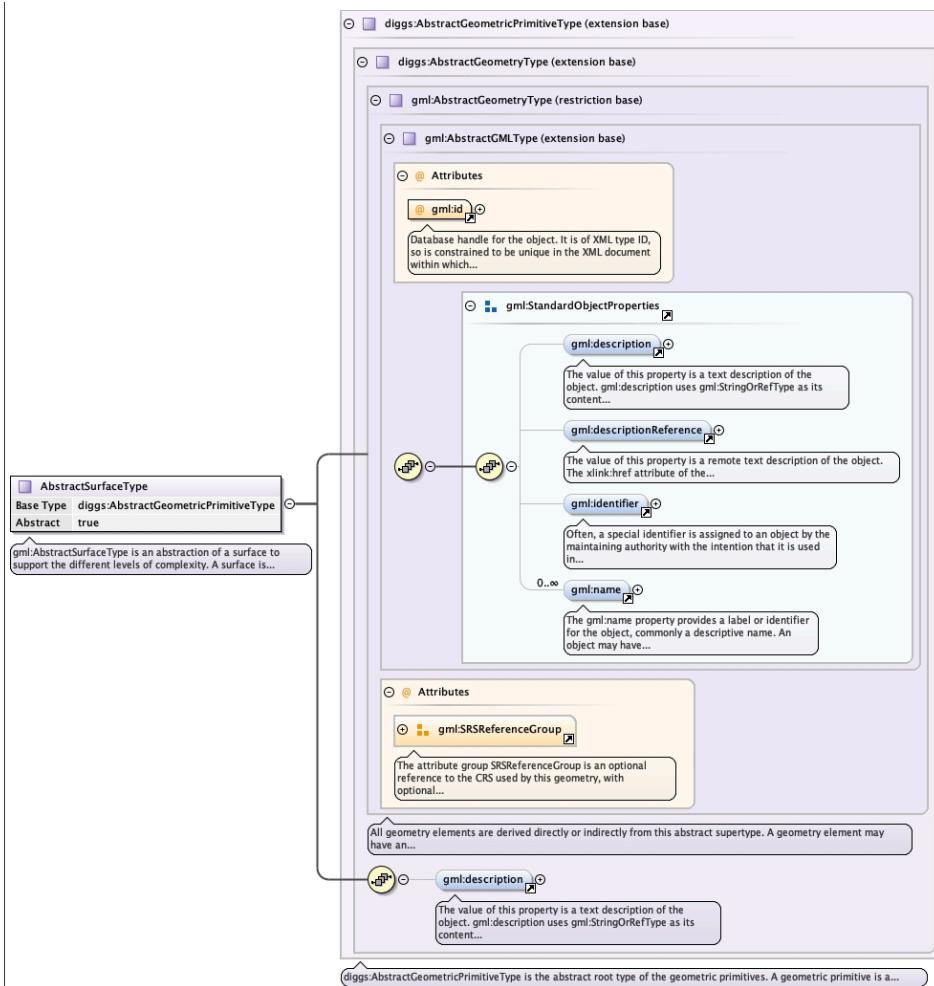
Type	restriction of <code>gml:DomainSetType</code>																																																		
Type hierarchy	<ul style="list-style-type: none"> <code>gml:DomainSetType</code> <code>diggs:AbstractSurfacePropertyType</code> 																																																		
Used by	Elements <code>diggs:AbstractPlanarSamplingFeatureType/diggs:featureExtent</code> , <code>diggs:AbstractPlanarSamplingFeatureType/diggs:relativeFeatureBoundary</code> , <code>diggs:AbstractProjectType/diggs:arealExtent</code> , <code>diggs:PlanarObservationRepresentationType/diggs:representativeSurface</code> , <code>diggs:ShellType/diggs:surfaceMember</code>																																																		
Model	<code>(diggs:AbstractSurface)</code>																																																		
Children	<code>diggs:AbstractSurface</code>																																																		
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Fixed</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td><code>nilReason</code></td><td><code>gml:NilReasonType</code></td><td></td><td></td><td>optional</td></tr> <tr> <td><code>owns</code></td><td>boolean</td><td></td><td>false</td><td>optional</td></tr> <tr> <td><code>xlink:actuate</code></td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4"> <p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p> </td></tr> <tr> <td><code>xlink:arcrole</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:href</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:role</code></td><td>anyURI</td><td></td><td></td><td>optional</td></tr> <tr> <td><code>xlink:show</code></td><td>restriction of string</td><td></td><td></td><td>optional</td></tr> <tr> <td></td><td colspan="4"> <p>The 'show' attribute is used to communicate the desired presentation</p> </td></tr> </tbody> </table>	QName	Type	Fixed	Default	Use	<code>nilReason</code>	<code>gml:NilReasonType</code>			optional	<code>owns</code>	boolean		false	optional	<code>xlink:actuate</code>	restriction of string			optional		<p>The 'actuate' attribute is used to communicate the desired timing of traversal from the starting resource to the ending resource; its value should be treated as follows:</p> <p>onLoad - traverse to the ending resource immediately on loading the starting resource</p> <p>onRequest - traverse from the starting resource to the ending resource only on a post-loading event triggered for this purpose</p> <p>other - behavior is unconstrained; examine other markup in link for hints</p> <p>none - behavior is unconstrained</p>				<code>xlink:arcrole</code>	anyURI			optional	<code>xlink:href</code>	anyURI			optional	<code>xlink:role</code>	anyURI			optional	<code>xlink:show</code>	restriction of string			optional		<p>The 'show' attribute is used to communicate the desired presentation</p>			
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QName	Type	Fixed	Default	Use	
	of the ending resource on traversal from the starting resource; it's value should be treated as follows: new - load ending resource in a new window, frame, pane, or other presentation context replace - load the resource in the same window, frame, pane, or other presentation context embed - load ending resource in place of the presentation of the starting resource other - behavior is unconstrained; examine other markup in the link for hints none - behavior is unconstrained				
xlink:title	string			optional	
xlink:type	string	simple		optional	
Source	<pre> <complexType name="AbstractSurfacePropertyType"> <complexContent> <restriction base="gml:DomainSetType"> <sequence minOccurs="0"> <choice> <element ref="diggs:AbstractSurface" /> <!-- DSB: REMOVED FROM PROFILE <element ref="gml:AbstractTimeObject" /> --> </choice> </sequence> <attributeGroup ref="gml:OwnershipAttributeGroup" /> <attributeGroup ref="gml:AssociationAttributeGroup" /> </restriction> </complexContent> </complexType></pre>				
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd				

Complex Type diggs:AbstractSurfaceType

Namespace	http://diggsml.org/schemas/2.6
Annotations	gml:AbstractSurfaceType is an abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.

Diagram



Type	extension of diggs:AbstractGeometricPrimitiveType																
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • diggs:AbstractGeometryType • diggs:AbstractGeometricPrimitiveType • diggs:AbstractSurfaceType 																
Properties	abstract: true																
Used by	Element diggs:AbstractSurface Complex Types diggs:MultiPlanarSurfaceType, diggs:PolygonType, diggs:ShellType																
Model	gml:description {0,1}																
Children	gml:description																
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> </tr> <tr> <td></td> <td colspan="2">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> </tr> </tbody> </table>		QName	Type	Use	axisLabels	gml:NCNameList	optional	gml:id	ID	required		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		srsDimension	positiveInteger	optional
QName	Type	Use															
axisLabels	gml:NCNameList	optional															
gml:id	ID	required															
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srsDimension	positiveInteger	optional															

	QName	Type	Use
	srsName	anyURI	optional
	uomLabels	gml:NCNameList	optional
Source	<pre><complexType abstract="true" name="AbstractSurfaceType"> <annotation> <documentation>gml:AbstractSurfaceType is an abstraction of a surface to support the different levels of complexity. A surface is always a continuous region of a plane.</documentation> </annotation> <complexContent> <extension base="diggs:AbstractGeometricPrimitiveType" /> </complexContent> </complexType></pre>		
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

Complex Type diggs:SolidType

Namespace	http://diggsml.org/schemas/2.6
Diagram	<p>The diagram illustrates the schema structure for the <code>SolidType</code>. It is derived from the <code>diggs:AbstractVolumeType</code> base type. The <code>SolidType</code> class has three attributes: <code>exterior</code>, <code>interior</code>, and <code>uncertainty</code>, all of type <code>diggs:ShellPropertyType</code>. It also has two associations: one with <code>gml:StandardObjectProperties</code> via the <code>gml:description</code> attribute, and another with <code>gml:SRSReferenceGroup</code> via the <code>gml:identifier</code> attribute.</p>

Type	extension of diggs:AbstractVolumeType																															
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • diggs:AbstractGeometryType • diggs:AbstractGeometricPrimitiveType • diggs:AbstractVolumeType • diggs:SolidType 																															
Used by	Element diggs:Solid																															
Model	gml:description{0,1} , diggs:exterior{0,1} , diggs:interior* , diggs:uncertainty{0,1}																															
Children	diggs:exterior, diggs:interior, diggs:uncertainty, gml:description																															
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>axisLabels</td> <td>gml:NCNameList</td> <td>optional</td> <td></td> </tr> <tr> <td>gml:id</td> <td>ID</td> <td>required</td> <td></td> </tr> <tr> <td></td> <td colspan="3" style="padding-left: 20px;">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td> </tr> <tr> <td>srsDimension</td> <td>positiveInteger</td> <td>optional</td> <td></td> </tr> <tr> <td>srsName</td> <td>anyURI</td> <td>optional</td> <td></td> </tr> <tr> <td>uomLabels</td> <td>gml:NCNameList</td> <td>optional</td> <td></td> </tr> </tbody> </table>				QName	Type	Use		axisLabels	gml:NCNameList	optional		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
QName	Type	Use																														
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srsDimension	positiveInteger	optional																														
srsName	anyURI	optional																														
uomLabels	gml:NCNameList	optional																														
Source	<pre><complexType name="SolidType"> <complexContent> <extension base="diggs:AbstractVolumeType"> <sequence> <element minOccurs="0" name="exterior" type="diggs:ShellPropertyType"/> <element maxOccurs="unbounded" minOccurs="0" name="interior" type="diggs:ShellPropertyType"/> <element minOccurs="0" name="uncertainty" type="diggs:Uncertainty.PropertyType"/> </sequence> </extension> </complexContent> </complexType></pre>																															
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																															

Complex Type diggs:ShellPropertyType

Namespace	http://diggsml.org/schemas/2.6		
Annotations	A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid boundary.		
Diagram	<p>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid...</p>		
Used by	Elements diggs:SolidType/diggs:exterior, diggs:SolidType/diggs:interior		
Model	diggs:Shell		
Children	diggs:Shell		
Source	<pre><complexType name="ShellPropertyType"> <annotation> <documentation>A property with the content model of gml:ShellPropertyType encapsulates a shell to represent a component of a solid boundary.</documentation> </annotation> <sequence> <element ref="diggs:Shell" /> </sequence> </complexType></pre>		

	<pre></sequence> </complexType></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Complex Type diggs:ShellType

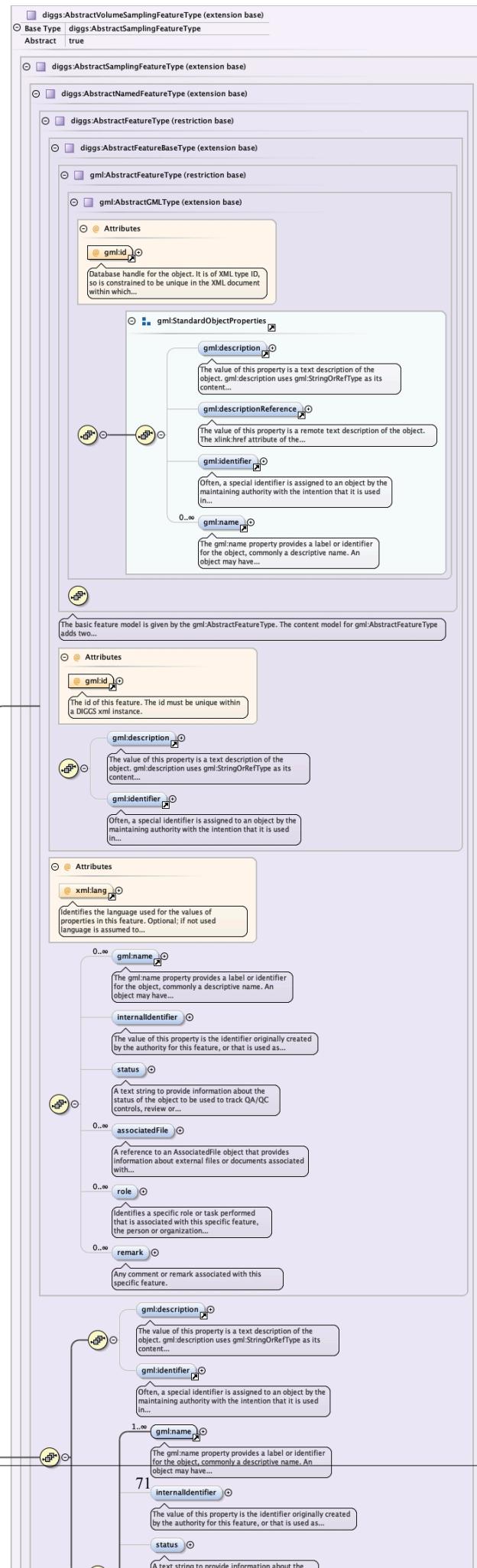
Namespace	http://diggsml.org/schemas/2.6
Diagram	
Type	extension of diggs:AbstractSurfaceType
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • diggs:AbstractGeometryType • diggs:AbstractGeometricPrimitiveType • diggs:AbstractSurfaceType

		<ul style="list-style-type: none"> • diggs:ShellType 																																
Used by	Element	diggs:Shell																																
Model	gml:description {0,1} , diggs:surfaceMember+																																	
Children	diggs:surfaceMember, gml:description																																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>aggregationType</td><td>gml:AggregationType</td><td>optional</td><td></td></tr> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3"> <p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p> </td></tr> <tr> <td></td><td>srsDimension</td><td>positiveInteger</td><td>optional</td></tr> <tr> <td></td><td>srsName</td><td>anyURI</td><td>optional</td></tr> <tr> <td></td><td>uomLabels</td><td>gml:NCNameList</td><td>optional</td></tr> </tbody> </table>	QName	Type	Use		aggregationType	gml:AggregationType	optional		axisLabels	gml:NCNameList	optional		gml:id	ID	required			<p>Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</p>				srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional	
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	srsName	anyURI	optional																															
	uomLabels	gml:NCNameList	optional																															
Source	<pre><complexType name="ShellType"> <complexContent> <extension base="diggs:AbstractSurfaceType"> <sequence> <element name="surfaceMember" type="diggs:AbstractSurfacePropertyType" maxOccurs="unbounded" /> </sequence> <attributeGroup ref="gml:AggregationAttributeGroup" /> </extension> </complexContent> </complexType></pre>																																	
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																																	

Complex Type diggs:VolumeSpaceType

Namespace	http://diggsml.org/schemas/2.6
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Diagram

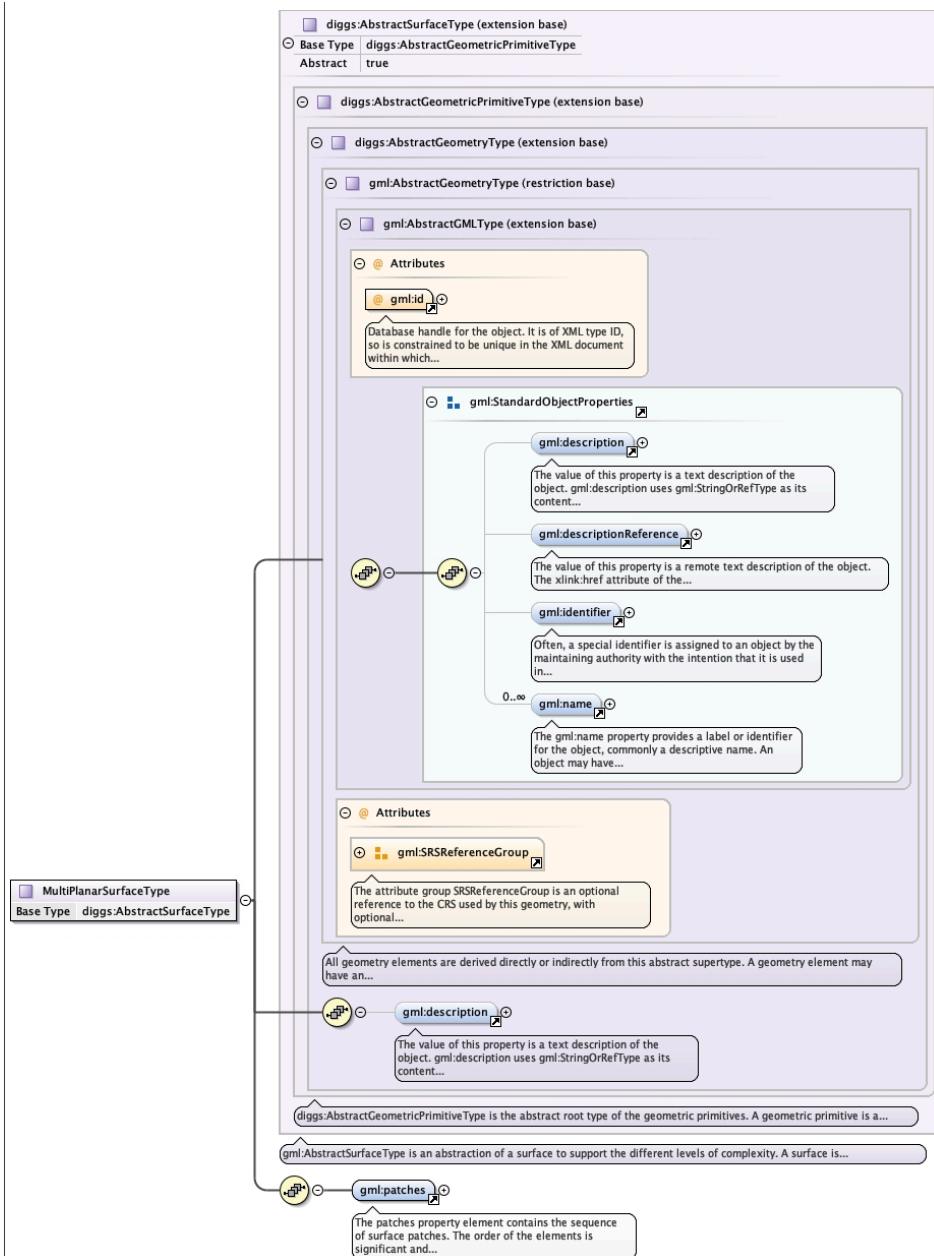


Type	extension of diggs:AbstractVolumeSamplingFeatureType																						
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractFeatureType • diggs:AbstractFeatureBaseType • diggs:AbstractFeatureType • diggs:AbstractNamedFeatureType • diggs:AbstractSamplingFeatureType • diggs:AbstractVolumeSamplingFeatureType • diggs:VolumeSpaceType 																						
Used by	Element	diggs:VolumeSpace																					
Model	gml:description{0,1} , gml:identifier{0,1} , gml:name+ , diggs:internalIdentifier{0,1} , diggs:status{0,1} , diggs:associatedFile* , diggs:role* , diggs:remark* , diggs:investigationTarget+ , diggs:projectRef , diggs:originalProjectRef{0,1} , diggs:associatedProjectRef* , diggs:programRef{0,1} , diggs:environment* , diggs:otherSamplingFeatureProperty* , diggs:locality{0,1} , diggs:referencePoint , diggs:localCoordinates{0,1} , diggs:referenceEdge{0,1} , diggs:featureExtent{0,1} , diggs:relativeFeatureBoundary{0,1} , diggs:volumeReferencing*																						
Children	diggs:associatedFile, diggs:associatedProjectRef, diggs:environment, diggs:featureExtent, diggs:internalIdentifier, diggs:investigationTarget, diggs:localCoordinates, diggs:locality, diggs:originalProjectRef, diggs:otherSamplingFeatureProperty, diggs:programRef, diggs:projectRef, diggs:referenceEdge, diggs:referencePoint, diggs:relativeFeatureBoundary, diggs:remark, diggs:role, diggs:status, diggs:volumeReferencing, gml:description, gml:identifier, gml:name																						
Attributes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3" style="padding-left: 20px;">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>xml:lang</td><td>union of(xs:language, restriction of xs:string)</td><td>optional</td><td></td></tr> <tr> <td></td><td colspan="3" style="padding-left: 20px;"> <div style="margin-bottom: 10px;"> <p>lang (as an attribute name)</p> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <p>Notes</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div> </td></tr> </tbody> </table>			QName	Type	Use		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			xml:lang	union of(xs:language, restriction of xs:string)	optional			<div style="margin-bottom: 10px;"> <p>lang (as an attribute name)</p> <p>denotes an attribute whose value is a language code for the natural language of the content of any element; its value is inherited. This name is reserved by virtue of its definition in the XML specification.</p> </div> <div> <p>Notes</p> <p>Attempting to install the relevant ISO 2- and 3-letter codes as the enumerated possible values is probably never going to be a realistic possibility.</p> <p>See BCP 47 at http://www.rfc-editor.org/rfc/bcp/bcp47.txt and the IANA language subtag registry at http://www.iana.org/assignments/language-subtag-registry for further information.</p> <p>The union allows for the 'un-declaration' of xml:lang with the empty string.</p> </div>		
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Source	<pre><complexType name="VolumeSpaceType"> <complexContent> <extension base="diggs:AbstractVolumeSamplingFeatureType" /> </complexContent> </complexType></pre>																						
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																						

Complex Type diggs:MultiPlanarSurfaceType

Namespace	http://diggsml.org/schemas/2.6
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Diagram



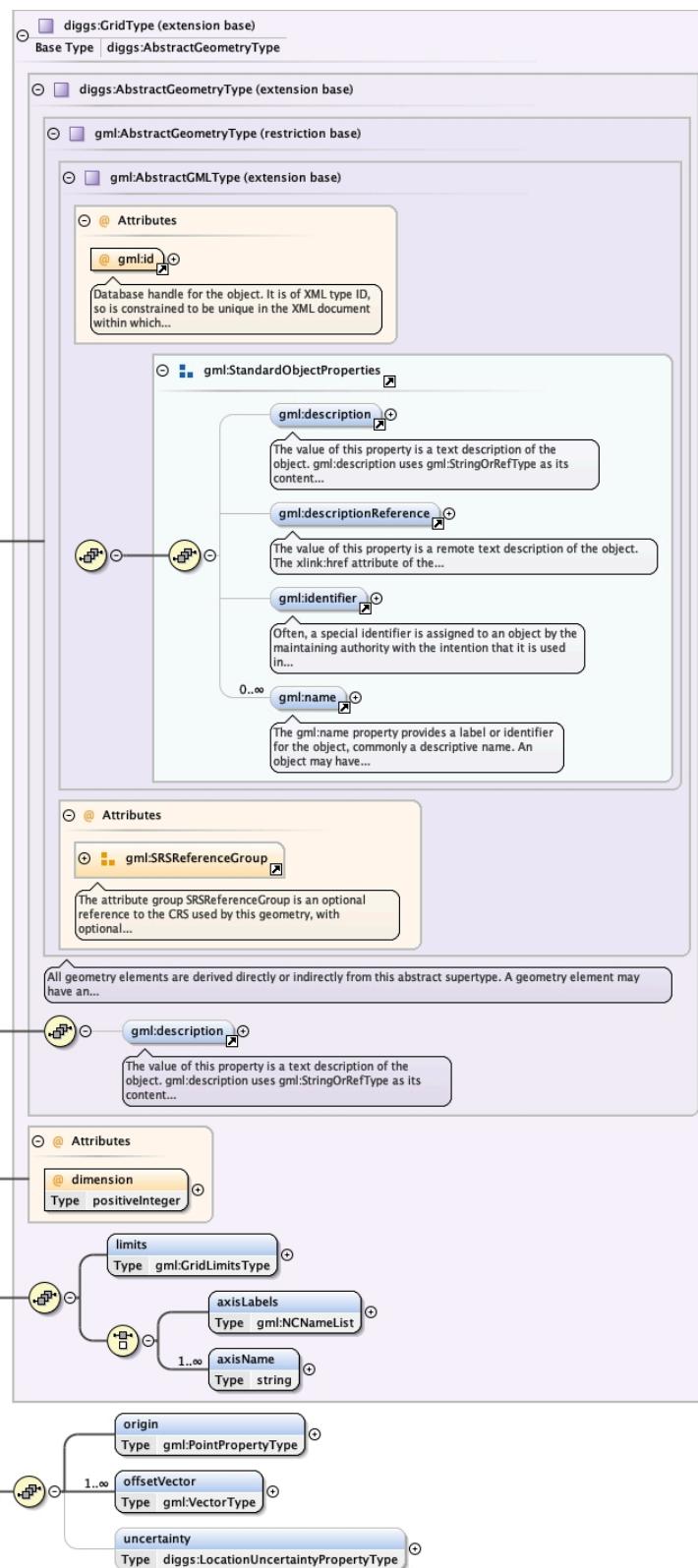
Type	extension of <code>diggs:AbstractSurfaceType</code>									
Type hierarchy	<ul style="list-style-type: none"> • <code>gml:AbstractGMLType</code> • <code>gml:AbstractGeometryType</code> • <code>diggs:AbstractGeometryType</code> • <code>diggs:AbstractGeometricPrimitiveType</code> • <code>diggs:AbstractSurfaceType</code> • <code>diggs:MultiPlanarSurfaceType</code> 									
Used by	Element <code>diggs:MultiPlanarSurface</code>									
Model	<code>gml:description {0,1}</code> , <code>gml:patches</code>									
Children	<code>gml:description</code> , <code>gml:patches</code>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td><code>gml:NCNameList</code></td><td>optional</td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td></tr> </tbody> </table>	QName	Type	Use	axisLabels	<code>gml:NCNameList</code>	optional	gml:id	ID	required
QName	Type	Use								
axisLabels	<code>gml:NCNameList</code>	optional								
gml:id	ID	required								

QName	Type	Use	
	Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
srsDimension	positiveInteger	optional	
srsName	anyURI	optional	
uomLabels	gml:NCNameList	optional	
Source	<complexType name="MultiPlanarSurfaceType"> <complexContent> <extension base="diggs:AbstractSurfaceType"> <sequence> <element ref="gml:patches" /> </sequence> </extension> </complexContent> </complexType>		
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

Complex Type diggs:RectifiedGridType

Namespace	http://diggsml.org/schemas/2.6
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Diagram



Type extension of diggs:GridType

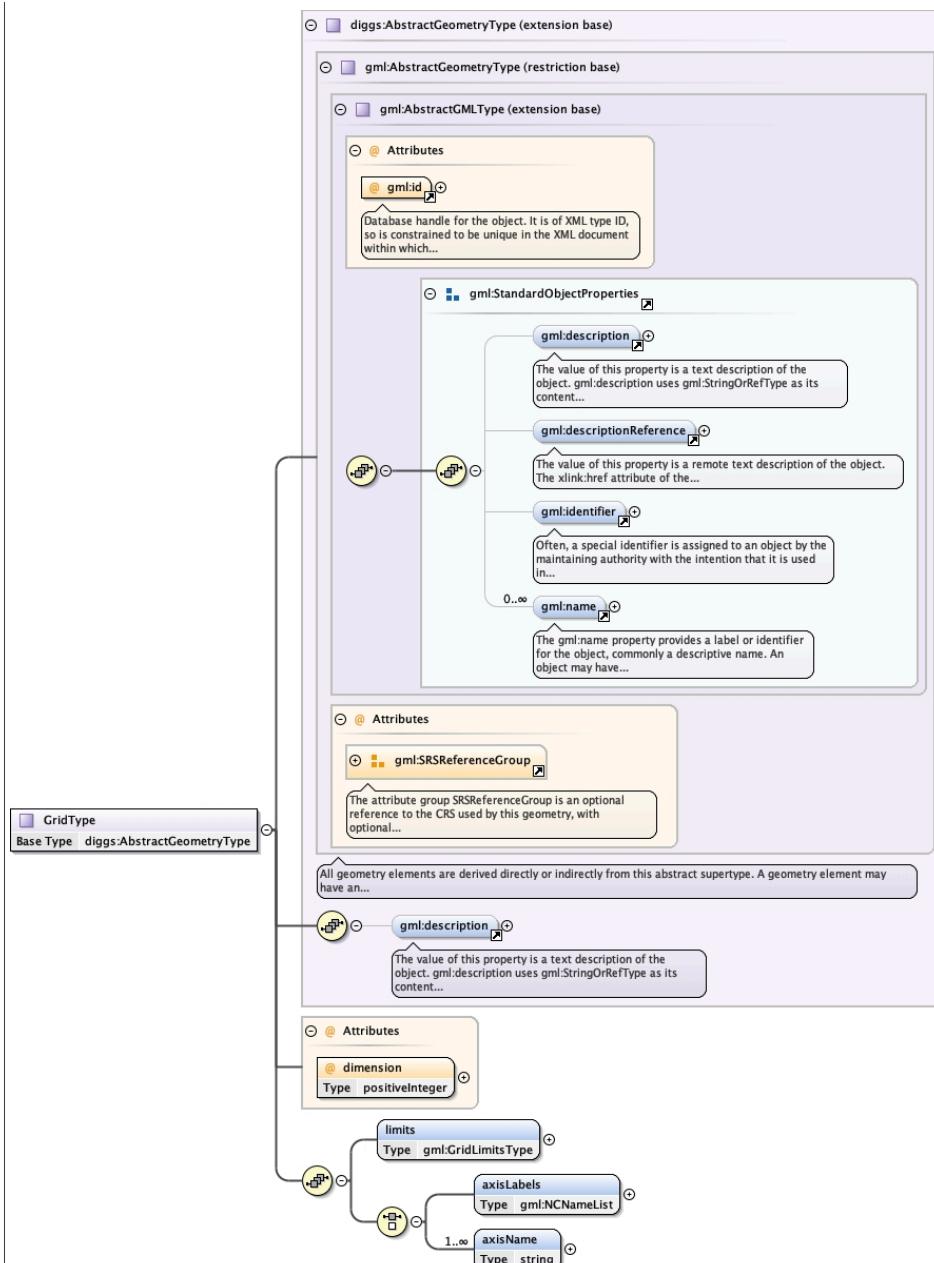
- Type hierarchy
- gml:AbstractGMLType
 - gml:AbstractGeometryType
 - diggs:AbstractGeometryType
 - diggs:GridType

	<ul style="list-style-type: none"> • diggs:RectifiedGridType 																																	
Used by	Element	diggs:RectifiedGrid																																
Model	gml:description{0,1} , diggs:limits , (diggs:axisLabels diggs:axisName+) , diggs:origin , diggs:offsetVector+ , diggs:uncertainty{0,1}																																	
Children	diggs:axisLabels, diggs:axisName, diggs:limits, diggs:offsetVector, diggs:origin, diggs:uncertainty, gml:description																																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th><th></th></tr> </thead> <tbody> <tr> <td>axisLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> <tr> <td>dimension</td><td>positiveInteger</td><td>required</td><td></td></tr> <tr> <td>gml:id</td><td>ID</td><td>required</td><td></td></tr> <tr> <td></td><td colspan="3">Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.</td></tr> <tr> <td>srsDimension</td><td>positiveInteger</td><td>optional</td><td></td></tr> <tr> <td>srsName</td><td>anyURI</td><td>optional</td><td></td></tr> <tr> <td>uomLabels</td><td>gml:NCNameList</td><td>optional</td><td></td></tr> </tbody> </table>	QName	Type	Use		axisLabels	gml:NCNameList	optional		dimension	positiveInteger	required		gml:id	ID	required			Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.			srsDimension	positiveInteger	optional		srsName	anyURI	optional		uomLabels	gml:NCNameList	optional		
QName	Type	Use																																
axisLabels	gml:NCNameList	optional																																
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srsDimension	positiveInteger	optional																																
srsName	anyURI	optional																																
uomLabels	gml:NCNameList	optional																																
Source	<pre><complexType name="RectifiedGridType"> <complexContent> <extension base="diggs:GridType"> <sequence> <element name="origin" type="gml:PointPropertyType"/> <element maxOccurs="unbounded" name="offsetVector" type="gml:VectorType"/> <element minOccurs="0" name="uncertainty" type="diggs:LocationUncertaintyPropertyType"/> </sequence> </extension> </complexContent> </complexType></pre>																																	
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd																																	

Complex Type diggs:GridType

Namespace	http://diggsml.org/schemas/2.6
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Diagram

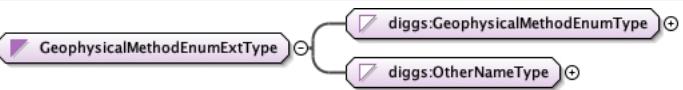


Type	extension of diggs:AbstractGeometryType		
Type hierarchy	<ul style="list-style-type: none"> • gml:AbstractGMLType • gml:AbstractGeometryType • diggs:AbstractGeometryType • diggs:GridType 		
Used by	Complex Type	diggs:RectifiedGridType	
	Element	diggs:Grid	
Model	gml:description {0,1} , diggs:limits , (diggs:axisLabels diggs:axisName +)		
Children	diggs:axisLabels , diggs:axisName , diggs:limits , gml:description		
Attributes	QName	Type	Use
	axisLabels	gml:NCNameList	optional
	dimension	positiveInteger	required
	gml:id	ID	required

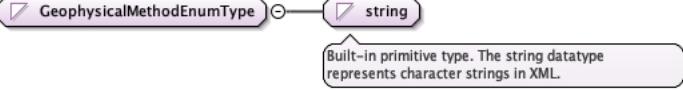
	QName	Type	Use	
		Database handle for the object. It is of XML type ID, so is constrained to be unique in the XML document within which it occurs. An external identifier for the object in the form of a URI may be constructed using standard XML and XPointer methods. This is done by concatenating the URI for the document, a fragment separator, and the value of the id attribute.		
	srsDimension	positiveInteger	optional	
	srsName	anyURI	optional	
	uomLabels	gml:NCNameList	optional	
Source		<complexType name="GridType"> <complexContent> <extension base="diggs:AbstractGeometryType"> <sequence> <element name="limits" type="gml:GridLimitsType"/> <choice> <element name="axisLabels" type="gml:NCNameList"/> <element maxOccurs="unbounded" name="axisName" type="string"/> </choice> </sequence> <attribute name="dimension" type="positiveInteger" use="required"/> </extension> </complexContent> </complexType>		
Schema location		file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd		

Simple Type(s)

Simple Type diggs:GeophysicalMethodEnumExtType

Namespace	http://diggsml.org/schemas/2.6
Diagram	
Type	union of(diggs:GeophysicalMethodEnumType, diggs:OtherNameType)
Used by	Element diggs:geophysicalMethod
Source	<simpleType name="GeophysicalMethodEnumExtType" final=""> <union memberTypes="diggs:GeophysicalMethodEnumType diggs:OtherNameType"/> </simpleType>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Simple Type diggs:GeophysicalMethodEnumType

Namespace	http://diggsml.org/schemas/2.6																
Diagram																	
Type	restriction of string																
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td> <td>borehole image log</td> </tr> <tr> <td>enumeration</td> <td>borehole seismic</td> </tr> <tr> <td>enumeration</td> <td>electrical resistivity</td> </tr> <tr> <td>enumeration</td> <td>frequency domain EM</td> </tr> <tr> <td>enumeration</td> <td>gravity</td> </tr> <tr> <td>enumeration</td> <td>ground penetrating radar</td> </tr> <tr> <td>enumeration</td> <td>induced polarization</td> </tr> <tr> <td>enumeration</td> <td>magnetometry</td> </tr> </tbody> </table>	enumeration	borehole image log	enumeration	borehole seismic	enumeration	electrical resistivity	enumeration	frequency domain EM	enumeration	gravity	enumeration	ground penetrating radar	enumeration	induced polarization	enumeration	magnetometry
enumeration	borehole image log																
enumeration	borehole seismic																
enumeration	electrical resistivity																
enumeration	frequency domain EM																
enumeration	gravity																
enumeration	ground penetrating radar																
enumeration	induced polarization																
enumeration	magnetometry																

	enumeration magnetotellurics enumeration MASW - active enumeration MASW - passive enumeration nuclear magnetic resonance enumeration radiometric enumeration seismic reflection enumeration seismic refraction enumeration self-potential enumeration time-domain EM enumeration VLF EM
Source	<pre><simpleType name="GeophysicalMethodEnumType"> <restriction base="string"> <enumeration value="borehole image log"/> <enumeration values="borehole seismic"/> <enumeration values="electrical resistivity"/> <enumeration values="frequency domain EM"/> <enumeration values="gravity"/> <enumeration value="ground penetrating radar"/> <enumeration values="induced polarization"/> <enumeration values="magnetometry"/> <enumeration values="magnetotellurics"/> <enumeration values="MASW - active"/> <enumeration value="MASW - passive"/> <enumeration values="nuclear magnetic resonance"/> <enumeration values="radiometric"/> <enumeration values="seismic reflection"/> <enumeration values="seismic refraction"/> <enumeration value="self-potential"/> <enumeration values="time-domain EM"/> <enumeration value="VLF EM"/> </restriction> </simpleType></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Namespace: ""

Attribute(s)

Attribute diggs:ProcessingStepType / @index

Namespace	No namespace
Annotations	This attribute is used to explicitly define the sequence of processing steps, numbered as 1,2,3, etc. in sequence order. If omitted, the processing sequence is assumed to follow the order of the ProcessingStep
Type	positiveInteger
Properties	content: simple
Used by	Complex Type diggs:ProcessingStepType
Source	<pre><attribute name="index" type="positiveInteger"> <annotation> <documentation>This attribute is used to explicitly define the sequence of processing steps, numbered as 1,2,3, etc. in sequence order. If omitted, the processing sequence is assumed to follow the order of the ProcessingStep</documentation> </annotation> </attribute></pre>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd

Attribute diggs:GridType / @dimension

Namespace	No namespace
Type	positiveInteger
Properties	use: required

Used by	Complex Type diggs:GridType
Source	<code><attribute name="dimension" type="positiveInteger" use="required"/></code>
Schema location	file:/Users/dponti/GitHub/diggs-schema/Geophysics.xsd