

DIGGS DATA MODEL

SAMPLING ACTIVITY

SAMPLE

OBSERVATION

- **Sampling Activities**

- The action taken to obtain or produce a physical sample, although the activity may not produce a sample (eg. a core run that produces no recovery). This activity typically occurs at a location on a sampling feature, or could occur elsewhere (eg. a laboratory) in the case of test or blank samples, or can produce aggregate samples where the location of the samples produced have no meaning. All Sample features must refer to a SamplingActivity feature.

- **Samples**

- A specimen of earth material, fluid, or gas that is obtained as a result of a sampling activity, for the purpose of observation and/or testing.

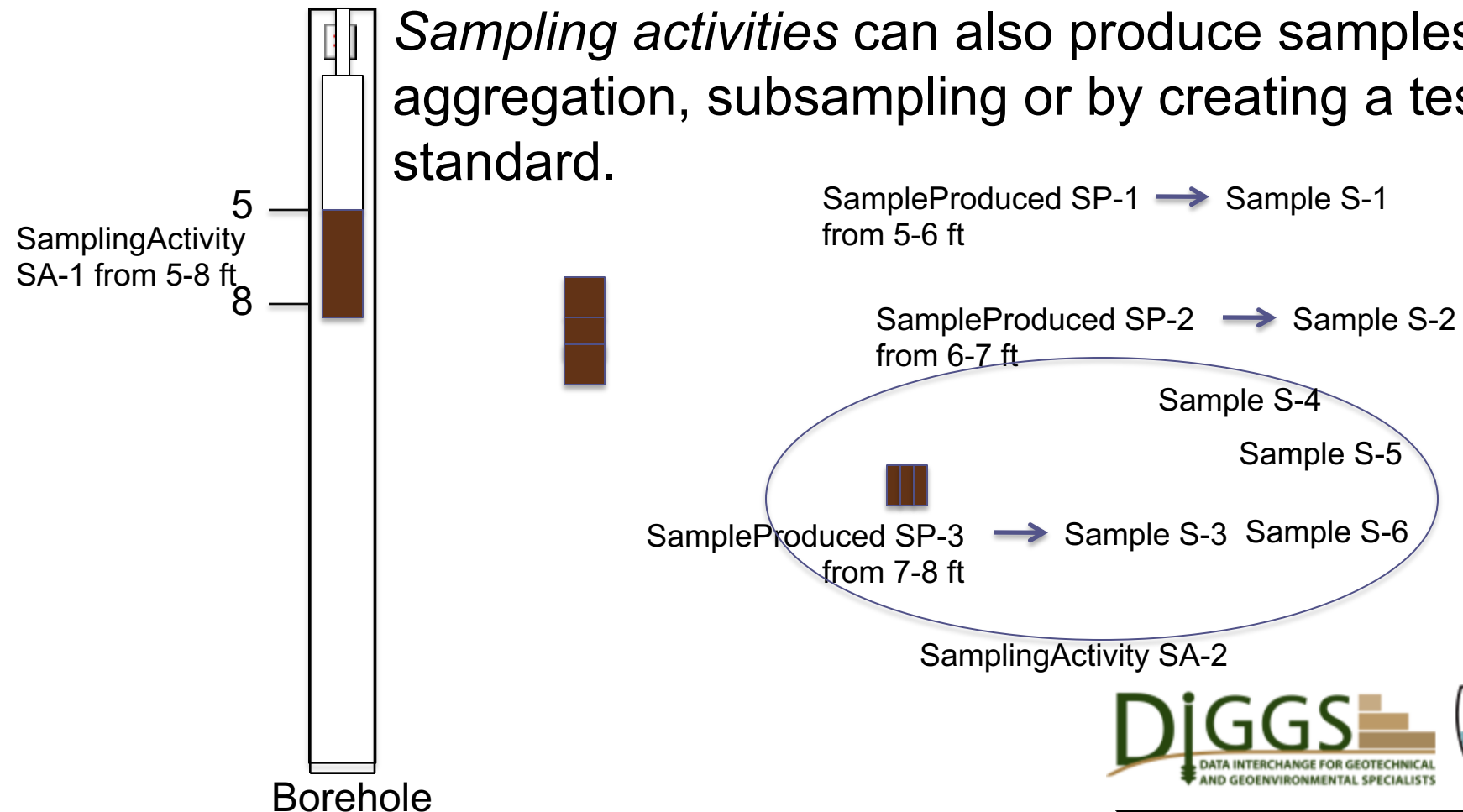
- **Observations**

- An interval or region defined at a sampling feature or for a sample, that contains qualitative observations or interpretations about that interval, region, or sample.

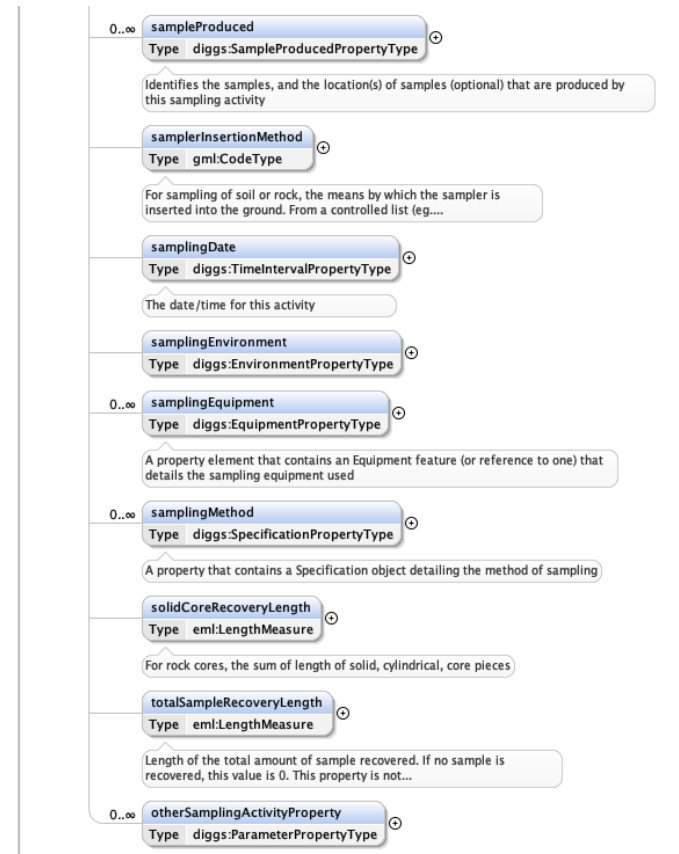
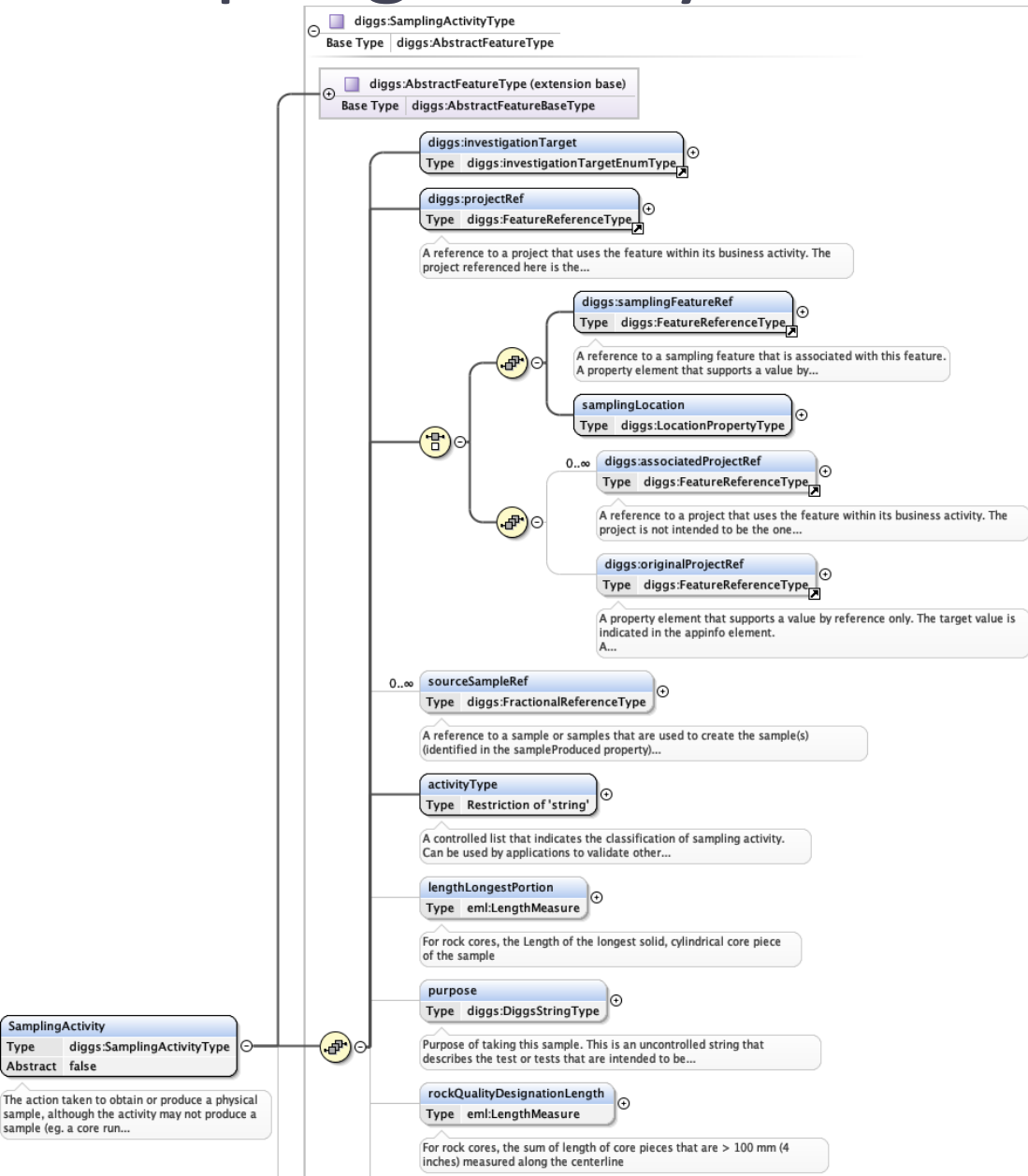
Sampling Activities and Samples

Samples are generally collected from sampling features as a result of *sampling activities*.

Sampling activities can also produce samples by aggregation, subsampling or by creating a test standard.

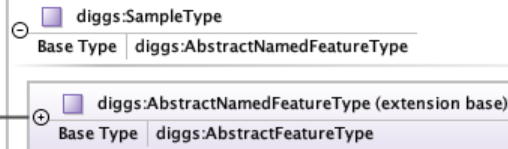


SamplingActivity



Sample

gml:id, gml:description,
gml:name (optional)



projectRef
Type diggs:FeatureReferenceType

diggs:samplingActivityRef
Type diggs:FeatureReferenceType

A reference to a sample activity that is associated with this feature.
A property element that supports a value by...

sampleProducedRef
Type gml:ReferenceType

relativeReferencingSystem
Type diggs:AbstractRelativeReferenceSyste ...

For a core or block sample, this property can be used to introduce a relative spatial reference system for describing...

classification
Type diggs:SampClassEnumType

A definition of the class of sample collected, such as soil, rock, fluid, etc.).
Intended to come from a controlled...

condition
Type diggs:DiggsStringType

A description of the sample condition; uncontrolled string

extrusionMethod
Type gml:CodeType

initialContainer
Type diggs:ContainerPropertyType

purpose
Type diggs:DiggsStringType

Purpose of taking this sample. This is an uncontrolled string that describes the test or tests that are intended to be...

sampleDimensions
Type diggs:SampleDimensionsPropertyType

sampleMatrix
Type gml:CodeType

A description of the sample matrix, if applicable. This is intended to come from a controlled list.

initialPreservationMethod
Type diggs:DiggsStringType

Description of methods used to preserve integrity of the sample

0..∞ chainOfCustodyEvent
Type diggs:ChainOfCustodyEventPropertyType

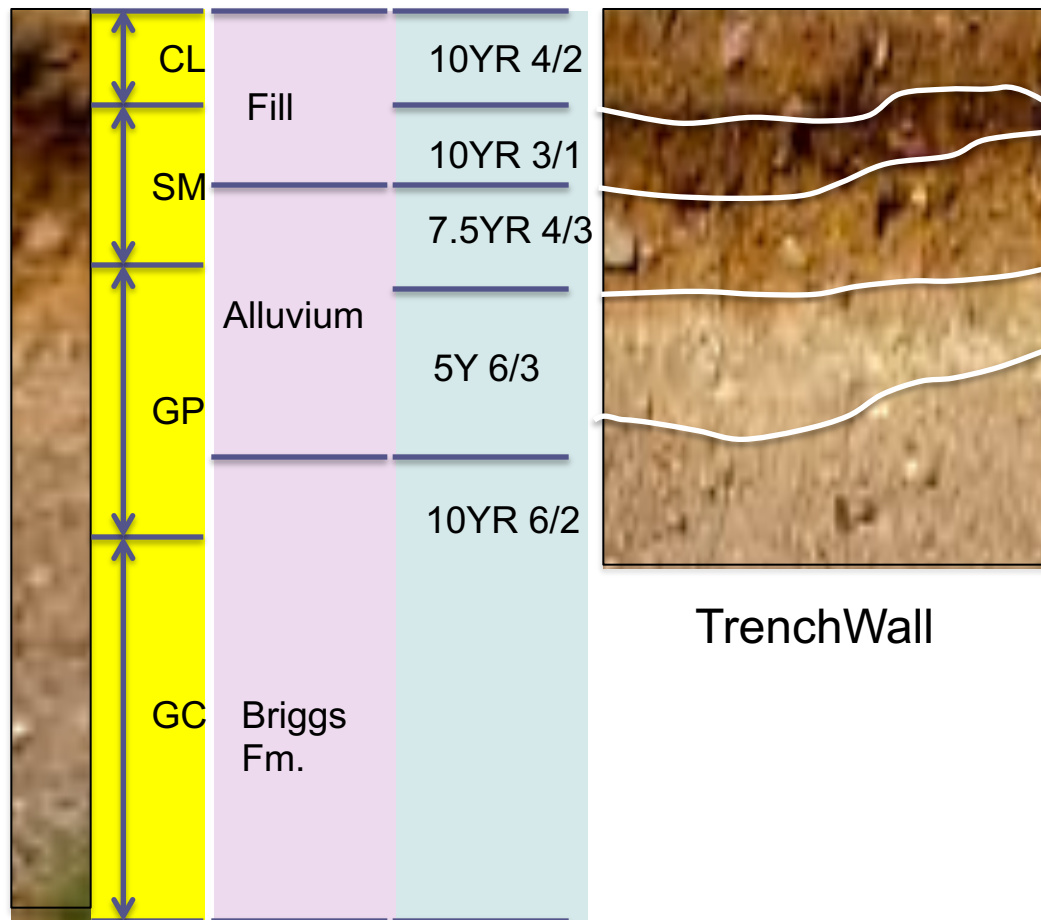
Contains information on the chain-of-custody for this sample

0..∞ otherSampleProperty
Type diggs:ParameterPropertyType

Sample
Type diggs:SampleType
Abstract false

A specimen of earth material, fluid, or gas that is obtained as a result of a sampling activity, for the purpose of...

Observations hold systems of qualitative descriptive or interpretive properties assigned to regions of a sampling feature or to a sample



LithologySystem
 StratigraphySystem
 ColorSystem
 ConstituentSystem
 DiscontinuitySystem
 OrientationSystem
 OtherDescriptionSystem

TrenchWall