«FeatureType»
GW_BodySurface

«property»
gwSurfaceShape: GM_Surface [0..1]
gwSurfaceType: SurfaceTypeTerm [0..1]

«property, voidable»
gwSurfaceShapeMetadata: OM_GeometryObservation [0..1]

constraints
{GM_Object = GM_GenericSurface}

gwBodySurface
«property\0..*

«FeatureType»
GW_FluidBody

«property, voidable»
gwBodyFlow: GW_Flow [0..*]
gwBodyMetadata: MD_Metadata [0..*]
gwBodyProperty: OM_Observation [0..*]
gwBodyQuality: BodyQualityTerm [0..*]
gwBodyShape: GM_Object [0..1]
gwBodyVolume: OM_Observation [0..1]
gwBodyVulnerability: OM_Observation [0..*]

gwSurfaceBody
«property»
0..1

gwBodyPartOf
«property» 0..*

gwPartOfBody
«property» 0..1

gwDivideSurface 0..1
«property»

«CodeList»
SurfaceTypeTerm

Potential mismatch
with CM -- missing
FluidBodyChange

gwSurfaceDivide
«property»
0..*

«type»
GW_Mixture

«property»
gwMixture: MixtureTypeTerm

«FeatureType»
GW_Divide

«property, voidable»
gwDivideShape: GM_Object [0..1]

«CodeList»
MixtureTypeTerm

colloidal: CharacterString
precipitate: CharacterString
solution: CharacterString
suspension: CharacterString

gwBackgroundConstituent
«property»

gwBodyConstituent
«property»

0..*   0..*

gwConstituedOf
«property» 0..1

gwDivideFlow
«property»
2..*

gwFlowSystemPart
«property» 0..*

«FeatureType»
Constituent::GW_Constituent

«property»
gwState: StateTypeTerm [0..1]

gwConstituent
«property» 0..*

«FeatureType»
GW_FlowSystem

«voidable, property»
gwFlowPath: GM_Object [0..*]

gwPartOfSystemFlow
«property» 0..1