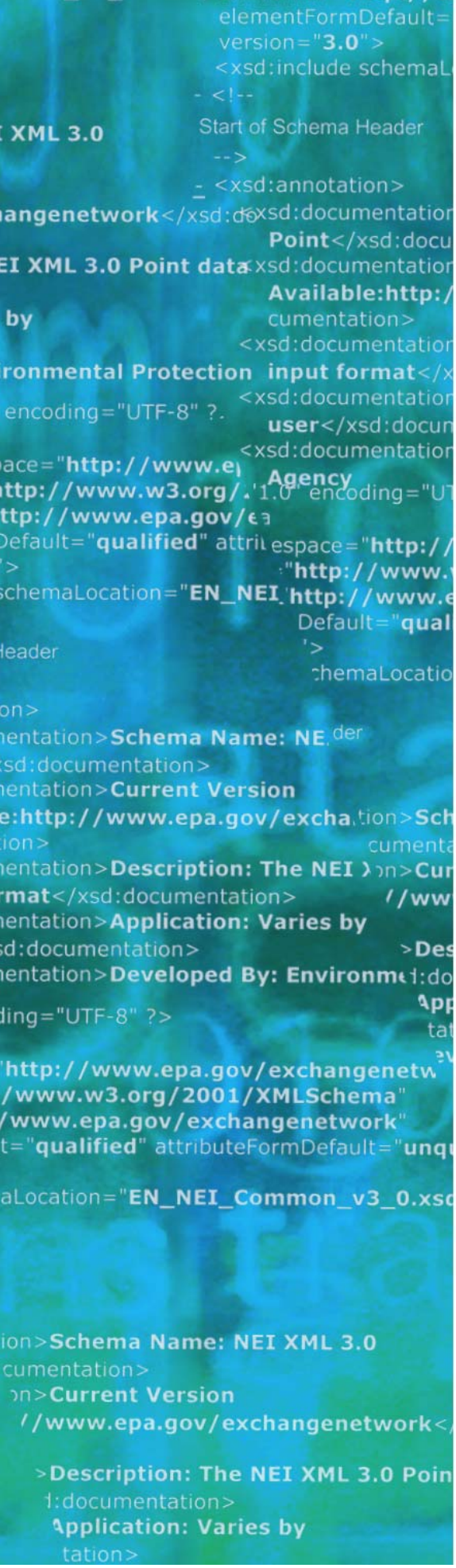

Water Quality Exchange

Flow Configuration Document

Version 2.1

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Developed for:

United States Environmental Protection Agency
Office of Environmental Information
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Washington, DC 20460

Developed by:

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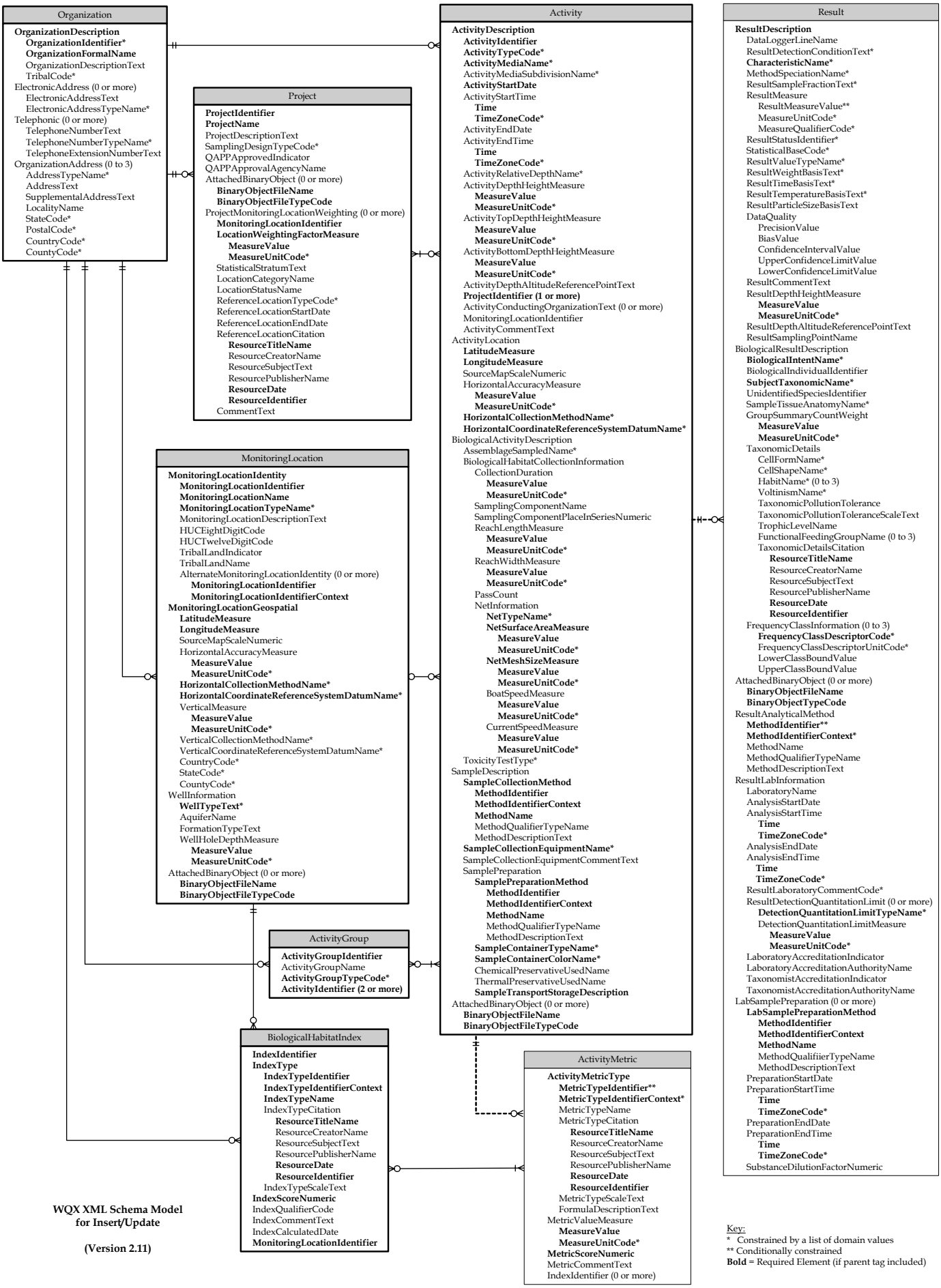
Environmental Information exchange Network


Organization
OrganizationDescription
OrganizationIdentifier*
OrganizationFormalName
OrganizationDescriptionText
TribalCode*
ElectronicAddress (0 or more)
ElectronicAddressText
ElectronicAddressTypeName*
Telephonic (0 or more)
TelephoneNumberText
TelephoneNumberTypeName*
TelephoneExtensionNumberText
OrganizationAddress (0 to 3)
AddressTypeName*
AddressText
SupplementalAddressText
LocalityName
StateCode*
PostalCode*
CountryCode*
CountyCode*
Project
ProjectIdentifier
ProjectName
ProjectDescriptionText
SamplingDesignTypeCode*
QAPPApprovedIndicator
QAPPApprovalAgencyName
AttachedBinaryObject (0 or more)
BinaryObjectFileName
BinaryObjectFileTypeCode
ProjectMonitoringLocationWeighting (0 or more)
MonitoringLocationIdentifier
LocationWeightingFactorMeasure
MeasureValue
MeasureUnitCode*
StatisticalStratumText
LocationCategoryName
LocationStatusName
ReferenceLocationTypeCode*
ReferenceLocationStartDate
ReferenceLocationEndDate
ReferenceLocationCitation
ResourceTitleName
ResourceCreatorName
ResourceSubjectText
ResourcePublisherName
ResourceDate
ResourceIdentifier
CommentText
MonitoringLocation
MonitoringLocationIdentity
MonitoringLocationIdentifier
MonitoringLocationName
MonitoringLocationTypeName*
MonitoringLocationDescriptionText
HUCEightDigitCode
HUCTwelveDigitCode
TribalLandIndicator
TribalLandName
AlternateMonitoringLocationIdentity (0 or more)
MonitoringLocationIdentifier
MonitoringLocationIdentifierContext
MonitoringLocationGeospatial
LatitudeMeasure
LongitudeMeasure
SourceMapScaleNumeric
HorizontalAccuracyMeasure
MeasureValue
MeasureUnitCode*
HorizontalCollectionMethodName*
HorizontalCoordinateReferenceSystemDatumName*
VerticalMeasure
MeasureValue
MeasureUnitCode*
VerticalCollectionMethodName*
VerticalCoordinateReferenceSystemDatumName*
CountryCode*
StateCode*
CountyCode*
WellInformation
WellTypeText*
AquiferName
FormationTypeText
WellHoleDepthMeasure
MeasureValue
MeasureUnitCode*
AttachedBinaryObject (0 or more)
BinaryObjectFileName
BinaryObjectFileTypeCode
ActivityGroup
ActivityGroupIdentifier
ActivityGroupName
ActivityGroupTypeCode*
ActivityIdentifier (2 or more)
BiologicalHabitatIndex
IndexIdentifier
IndexType
IndexTypeIdentifier
IndexTypeIdentifierContext
IndexTypeName
IndexTypeCitation
ResourceTitleName
ResourceCreatorName
ResourceSubjectText
ResourcePublisherName
ResourceDate
ResourceIdentifier
IndexTypeScaleText
IndexScoreNumeric
IndexQualifierCode
IndexCommentText
IndexCalculatedDate
MonitoringLocationIdentifier
Activity
ActivityDescription
ActivityIdentifier
ActivityTypeCode*
ActivityMediaName*
ActivityMediaSubdivisionName*
ActivityStartDate
ActivityStartTime
Time
TimeZoneCode*
ActivityEndDate
ActivityEndTime
Time
TimeZoneCode*
ActivityRelativeDepthName*
ActivityDepthHeightMeasure
MeasureValue
MeasureUnitCode*
ActivityTopDepthHeightMeasure
MeasureValue
MeasureUnitCode*
ActivityBottomDepthHeightMeasure
MeasureValue
MeasureUnitCode*
ActivityDepthAltitudeReferencePointText
ProjectIdentifier (1 or more)
ActivityConductingOrganizationText (0 or more)
MonitoringLocationIdentifier
ActivityCommentText
ActivityLocation
LatitudeMeasure
LongitudeMeasure
SourceMapScaleNumeric
HorizontalAccuracyMeasure
MeasureValue
MeasureUnitCode*
HorizontalCollectionMethodName*
HorizontalCoordinateReferenceSystemDatumName*
BiologicalActivityDescription
AssemblageSampledName*
BiologicalHabitatCollectionInformation
CollectionDuration
MeasureValue
MeasureUnitCode*
SamplingComponentName
SamplingComponentPlaceInSeriesNumeric
ReachLengthMeasure
MeasureValue
MeasureUnitCode*
ReachWidthMeasure
MeasureValue
MeasureUnitCode*
PassCount
NetInformation
NetTypeName*
NetSurfaceAreaMeasure
MeasureValue
MeasureUnitCode*
NetMeshSizeMeasure
MeasureValue
MeasureUnitCode*
BoatSpeedMeasure
MeasureValue
MeasureUnitCode*
CurrentSpeedMeasure
MeasureValue
MeasureUnitCode*
ToxicityTestType*
SampleDescription
SampleCollectionMethod
MethodIdentifier
MethodIdentifierContext
MethodName
MethodQualifierTypeName
MethodDescriptionText
SampleCollectionEquipmentName*
SampleCollectionEquipmentCommentText
SamplePreparation
SamplePreparationMethod
MethodIdentifier
MethodIdentifierContext
MethodName
MethodQualifierTypeName
MethodDescriptionText
SampleContainerTypeName*
SampleContainerColorName*
ChemicalPreservativeUsedName
ThermalPreservativeUsedName
SampleTransportStorageDescription
AttachedBinaryObject (0 or more)
BinaryObjectFileName
BinaryObjectFileTypeCode
ActivityMetric
ActivityMetricType
MetricTypeIdentifier**
MetricTypeIdentifierContext*
MetricTypeName
MetricTypeCitation
ResourceTitleName
ResourceCreatorName
ResourceSubjectText
ResourcePublisherName
ResourceDate
ResourceIdentifier
MetricTypeScaleText
FormulaDescriptionText
MetricValueMeasure
MeasureValue
MeasureUnitCode*
MetricScoreNumeric
MetricCommentText
IndexIdentifier (0 or more)
Result
ResultDescription
DataLoggerLineName
ResultDetectionConditionText*
CharacteristicName*
MethodSpeciationName*
ResultSampleFractionText*
ResultMeasure
ResultMeasureValue**
MeasureUnitCode*
MeasureQualifierCode*
ResultStatusIdentifier*
StatisticalBaseCode*
ResultValueTypeName*
ResultWeightBasisText*
ResultTimeBasisText*
ResultTemperatureBasisText*
ResultParticleSizeBasisText
DataQuality
PrecisionValue
BiasValue
ConfidenceIntervalValue
UpperConfidenceLimitValue
LowerConfidenceLimitValue
ResultCommentText
ResultDepthHeightMeasure
MeasureValue
MeasureUnitCode*
ResultDepthAltitudeReferencePointText
ResultSamplingPointName
BiologicalResultDescription
BiologicalIntentName*
BiologicalIndividualIdentifier
SubjectTaxonomicName*
UnidentifiedSpeciesIdentifier
SampleTissueAnatomyName*
GroupSummaryCountWeight
MeasureValue
MeasureUnitCode*
TaxonomicDetails
CellFormName*
CellShapeName*
HabitName* (0 to 3)
VoltinismName*
TaxonomicPollutionTolerance
TaxonomicPollutionToleranceScaleText
TrophicLevelName
FunctionalFeedingGroupName (0 to 3)
TaxonomicDetailsCitation
ResourceTitleName
ResourceCreatorName
ResourceSubjectText
ResourcePublisherName
ResourceDate
ResourceIdentifier
FrequencyClassInformation (0 to 3)
FrequencyClassDescriptorCode*
FrequencyClassDescriptorUnitCode*
LowerClassBoundValue
UpperClassBoundValue
AttachedBinaryObject (0 or more)
BinaryObjectFileName
BinaryObjectTypeCode
ResultAnalyticalMethod
MethodIdentifier**
MethodIdentifierContext*
MethodName
MethodQualifierTypeName
MethodDescriptionText
ResultLabInformation
LaboratoryName
AnalysisStartDate
AnalysisStartTime
Time
TimeZoneCode*
AnalysisEndDate
AnalysisEndTime
Time
TimeZoneCode*
ResultLaboratoryCommentCode*
ResultDetectionQuantitationLimit (0 or more)
DetectionQuantitationLimitTypeName*
DetectionQuantitationLimitMeasure
MeasureValue
MeasureUnitCode*
LaboratoryAccreditationIndicator
LaboratoryAccreditationAuthorityName
TaxonomistAccreditationIndicator
TaxonomistAccreditationAuthorityName
LabSamplePreparation (0 or more)
LabSamplePreparationMethod
MethodIdentifier
MethodIdentifierContext
MethodName
MethodQualifiierTypeName
MethodDescriptionText
PreparationStartDate
PreparationStartTime
Time
TimeZoneCode*
PreparationEndDate
PreparationEndTime
Time
TimeZoneCode*
SubstanceDilutionFactorNumeric
WQX XML Schema Model
for Insert/Update
(Version 2.11)
Key:
* Constrained by a list of domain values
** Conditionally constrained
Bold = Required Element (if parent tag included)