

## Mappings between DwC and MarineTLO

DwC Term	Mapping Operator	MarineTLO Class/Property	Note
dcterms: type	sub property of	LX3 has type	
dcterms: modified	Can be Transformed Into	LC5 has time span, BC43 Activity	
dcterms: language	Can be Transformed Into	LX8 has language, BT36 Language	
dcterms: rights	Can be Transformed Into	BC17 Conceptual Object, P104 is subject to, E30 Right (cidoc crm)	
dcterms: rightsHolder	Can be Transformed Into	BC8 Actor, P75 possesses, Right (cidoc crm)	
dcterms: accessRights	Can be Transformed Into	BC17 Conceptual Object, P104 is subject to, E30 Right (cidoc crm)	
dcterms: bibliographicCitation	sub class of	BC17 Conceptual Object	
dcterms: references	sub class of	BC17 Conceptual Object	
institutionID	Can be Transformed Into	BC13 Organization, LC1 is Identified By, BC32 Identifier	
collectionID	Can be Transformed Into	BC42 Collection, LC1 is Identified By, BC32 Identifier	
datasetID	Can be Transformed Into	BC21 Dataset, LC1 is Identified By, BC32 Identifier	
institutionCode	Can be Transformed Into	BC13 Organization, LC1 is Identified By, BC32 Identifier	
collectionCode	Can be Transformed Into	BC42 Collection, LC1 is Identified By, BC32 Identifier	
datasetName	Can be Transformed Into	BC21 Dataset, LC4 has appellation, BC30 Appellation	
ownerInstitutionCode		BC13 Organization, P52 is current owner of(CIDOC CRM)	
basisOfRecord			currently out of scope
informationWithheld			currently out of scope
dataGeneralizations			currently out of scope
dynamicProperties			currently out of scope
<b>1.Occurrence</b>			
occurrenceID	Can be Transformed Into	BC45 Observation, LC1 is Identified By, BC32 Identifier	
catalogNumber	Can be Transformed Into	BC1 is identified by, BC32 identifier	
occurrenceRemarks	sub property of	O3 has note	
recordNumber	Can be Transformed Into	BC1 is identified by, BC32 identifier	
recordedBy	Can be Transformed Into	E65 Creation, LC13 is carried out by, BC8 Actor	
individualID	Can be Transformed Into	BC38 Biotic Element, (or Specimen), BC1 is identified by, BC32 identifier	
individualCount			under investigation
sex			under investigation
lifeStage			under investigation
reproductiveCondition			under investigation
behavior			under investigation
establishmentMeans	Can be Transformed Into	isNativeAt, isEndemicAt, is IntroducedAt	
occurrenceStatus			under investigation
preparations			under investigation
disposition			under investigation
otherCatalogNumbers			under investigation
previousIdentifications			under investigation
associatedMedia	Can be Transformed Into	BC18 Proposition, LC7 is about, TLO Entity	under investigation
associatedReferences		BC17 Conceptual Object, LC7 is about, TLO Entity	
associatedOccurrences			under investigation
associatedSequences			under investigation
associatedTaxa			under investigation
<b>2.MaterialSample</b>			
materialSampleID			currently out of scope
<b>3.Event</b>			
eventID	Can Be Transformed Into	BC10 Event, LC1 is Identified By, BC32 Identifier	
samplingProtocol			under investigation
samplingEffort			under investigation
eventDate	Can Be Transformed Into	BC10 Event, LC5 has time span	
eventTime	Can Be Transformed Into	BC10 Event, LC5 has time span	
startDayOfYear			currently out of scope
endDayOfYear			currently out of scope
year	sub property of	LC5 has time span	
month	sub property of	LC5 has time span	
day	sub property of	LC5 has time span	
verbatimEventDate	sub property of	LC5 has time span	
habitat	Can Be Transformed Into	LC15 took place at, BC14 Ecosystem Environment	
fieldNumber	Can Be Transformed Into	LC1 is Identified By, BC35 identifier	
fieldNotes	sub property of	O3 has note	
eventRemarks	sub property of	O3 has note	

4.dcterms:Location			
locationID	Can be Transformed Into	BC3 Place, LC1 is Identified By, BC35 identifier	
higherGeographyID			under investigation
higherGeography			under investigation
continent	Can be Transformed Into	LC27 has section, BC3 Place	
waterBody	Can be Transformed Into	BC3 Place, LC27 is located on or within, BC15 WaterArea	
islandGroup	sub property of	LC27 has section	
island	sub property of	LC27 has section	
country	sub property of	LC27 has section	
countryCode	Can be Transformed Into	BC3 Place, LC1 is identified by, BC35 Identifier	
stateProvince	sub property of	LC27 has section	
county	sub property of	LC27 has section	
municipality	sub property of	LC27 has section	
locality	sub property of	LC27 has section	
verbatimLocality	sub property of	LC27 has section	
verbatimElevation			under investigation
minimumElevationInMeters			under investigation
maximumElevationInMeters			under investigation
verbatimDepth			under investigation
minimumDepthInMeters	Can be Transformed Into	BC54 Measurement, LC37 measured, BC14 Ecosystem Environment, LC 34 observed dimension, BC5 Dimension, LC20 has value, LC21 has unit	
maximunDepthInMeters	Can be Transformed Into	BC54 Measurement, LC37 measured, BC14 Ecosystem Environment, LC 34 observed dimension, BC5 Dimension, LC20 has value, LC21 has unit	
minimumDistanceAboveSurfaceInMeters	Can be Transformed Into	BC54 Measurement, LC37 measured, BC14 Ecosystem Environment, LC 34 observed dimension, BC5 Dimension, LC20 has value, LC21 has unit	
maximumDistanceAboveSurfaceInMeters	Can be Transformed Into	BC54 Measurement, LC37 measured, BC14 Ecosystem Environment, LC 34 observed dimension, BC5 Dimension, LC20 has value, LC21 has unit	
locationAccordingTo			not covered yet
locationRemarks	sub property of	O3 has note	
verbatimCoordinates	Can be Transformed Into	BC33 Spatial Coordinates	
verbatimLatitude	Can be Transformed Into	BC33 Spatial Coordinates	
verbatimLongitude	Can be Transformed Into	BC33 Spatial Coordinates	
verbatimCoordinateSystem	Can be Transformed Into	BC33 Spatial Coordinates	
verbatimSRS			under investigation
decimalLatitude	Can be Transformed Into	BC33 Spatial Coordinates (Geometric Place Expression) we need a property to link coordinates and place	
decimalLongitude	Can be Transformed Into	BC33 Spatial Coordinates (Geometric Place Expression)	
geodeticDatum			not covered yet
coordinateUncertaintyInMeters			not covered yet
coordinatePrecision			not covered yet
pointRadiusSpatialFit			not covered yet
footprintWKT			not covered yet
footprintSRS			not covered yet
footprintSpatialFit			not covered yet
georeferencedBy	Can be Transformed Into	BC54 Measurement, LC13 carried out by	
georeferencedDate	Can be Transformed Into	BC54 Measurement, LC5 has time span	
georeferenceProtocol	sub property of	P33 used specific Technique, (spatial coordinates reference system)	
georeferenceSources	Can be Transformed Into	Provenance	
georeferenceVerificationStatus	Can be Transformed Into	Provenance	
georeferenceRemarks	sub property of	O3 has note	
5.GeologicalContext			
geologicalContextID			currently out of scope
earliestEonOrLowestEonthem			currently out of scope
latestEonOrHighestEonthem			currently out of scope
earliestEraOrLowestErathem			currently out of scope
latestEraOrHighestErathem			currently out of scope
earliestPeriodOrLowestSystem			currently out of scope
latestPeriodOrHighestSystem			currently out of scope
earliestEpochOrLowestSeries			currently out of scope
latestEpochOrHighestSeries			currently out of scope
earliestAgeOrLowestStage			currently out of scope
latestAgeOrHighestStage			currently out of scope
lowestBiostratigraphicZone			currently out of scope
highestBiostratigraphicZone			currently out of scope
lithostratigraphicTerms			currently out of scope
group			currently out of scope
formation			currently out of scope
member			currently out of scope
bed			currently out of scope
6.Identification			
identificationID	Can be Transformed Into	Attribute Type Assignment, LC1 is Identified By, BC35 identifier	
identifiedBy	sub property of	LC13 is carried out by	

dateIdentified	sub property of	LC5 has time span	
identificationReferences	sub property of	related Resource Reference	
identificationVerificationStatus	sub property of	O3 has note	
identificationRemarks	sub property of	O3 has note	
identificationQualifier	sub property of	O3 has note	
typeStatus			under investigation
<b>7.Taxon</b>			
taxonID	Can be Transformed Into	BT10 Biotic Element Type, LC1 is Identified By, BC35 identifier	
scientificNameID	Can be Transformed Into	BC30 Appellation, LC1 is Identified By, BC35 identifier	
acceptedNameUsageID			under investigation
parentNameUsageID			under investigation
originalNameUsageID			under investigation
nameAccordingToID			under investigation
namePublishedInID	Can be Transformed Into	BC37 Conceptual Object, LC1 is Identified By, BC35 identifier	
taxonConceptID			under investigation
scientificName	Can be Transformed Into	Type Creation and Attribute Assignment	
acceptedNameUsage	Can be Transformed Into	Type Creation and Attribute Assignment ==> Scientific Name assignment	
parentNameUsage	Can be Transformed Into	Genus (or higher rank) assignment	
originalNameUsage	Can be Transformed Into	Type creation event that was followed by the current name type creation event	
nameAccordingTo	Can be Transformed Into	BC37 Conceptual Object, LC7 is about, BT10 Biotic Element Type	
namePublishedIn	Can be Transformed Into	BC37 Conceptual Object, LC7 is about, BT10 Biotic Element Type	
namePublishedInYear	sub property of	LC5 has time span	
higherClassification	Can be Transformed Into	BT10 Biotic Element Type, LT8 Belongs To, BT10 Biotic Element Type	
kingdom	equivalent To	BT18 Kingdom	
phylum	equivalent To	BT19 Phylum	
class	equivalent To	BT22 Class	
order	equivalent To	BT34 Order	
family	equivalent To	BT24 Family	
genus	equivalent To	BT26 Genus	
subgenus			under investigation
specificEpithet			under investigation
infraspecificEpithet			under investigation
taxonRank	Can be Transformed Into	BT33 Marine Animal Type, LT8 belongs to	
verbatimTaxonRank	Can be Transformed Into	BT33 Marine Animal Type, LT8 belongs to	
ScientificNameAuthorship	Can be Transformed Into	Type Creation Event, LC13 is carried out by, BC8 Actor	
vernacularName	Can be Transformed Into	Common Name, Appellation	
nomenclaturalCode	Can be Transformed Into	BC64 Design or Procedure	
taxonomicStatus			under investigation
nomenclaturalStatus			under investigation
taxonRemarks	sub property of	O3 has note	
<b>8.ResourceRelationship</b>			
resourceRelationshipID			out of the scope of this comparison
resourceID			out of the scope of this comparison
relatedResourceID			out of the scope of this comparison
relationshipOfResource			out of the scope of this comparison
relationshipAccordingTo			out of the scope of this comparison
relationshipEstablishedDate			out of the scope of this comparison
relationshipRemarks			out of the scope of this comparison
<b>9.MeasurementOrFact</b>			
measurementID	Can be Transformed Into	BC54 Measurement, LC1 is Identified By, BC32 Identifier	
measurementType	Can be Transformed Into	LC 34 observed dimension, BC5 Dimension	
measurementValue	sub property of	LC 20 has Value	
measurementAccuracy			under investigation
measurementUnit	sub property of	LC21 has unit	
measurementDeterminedDate	sub property of	LC5 has time span	
measurementDeterminedBy	Can be Transformed Into	LC13 is carried out by, BC8 Actor	
measurementMethod	Can be Transformed Into	P33 used specific Technique, BC64 Design or Procedure	
measurementRemarks	sub property of	O3 has note	