

Data Package Quality Report										
Packageld: jscientist.7.2										
Report Date/Time: 2016-05-24T16:04:10										
Dataset Report										
#	Identifier	Status	Quality Check	Name	Description	Expected	Found	Explanation	Suggestion	Reference
1	packageldPattern	error	Type: metadata System: lter On Failure: error	packageld pattern matches "scope.identifier.revision"	Check against LTER requirements for scope.identifier.revision	'scope.n.m', where 'n' and 'm' are integers and 'scope' is one of an allowed set of values	jscientist.7.2	A packageld should start with one of the following scope values: ecotrends,knb-lter-and,knb-lter-arc,knb-lter-bes,knb-lter-bnz,knb-lter-cap,knb-lter-cce,knb-lter-cdr,knb-lter-cwt,knb-lter-fce,knb-lter-gce,knb-lter-hbr,knb-lter-hfr,knb-lter-jrn,knb-lter-kbs,knb-lter-knz,knb-lter-lug,knb-lter-mcm,knb-lter-mcr,knb-lter-nin,knb-lter-ntl,knb-lter-nwk,knb-lter-nwt,knb-lter-pal,knb-lter-pie,knb-lter-sbc,knb-lter-sev,knb-lter-sgs,knb-lter-vcr,lter-landsat,lter-landsat-ledaps,msb-tempbiodev,msb-paleon,ltreb-cap,msb-cap	Use a scope value that you are authorized to use for your site or project, or you may request that a new scope value be added to the list of allowed values by contacting tech_support@LTERnet.edu.	
2	emlVersion	valid	Type: metadata System: lter On Failure: error	EML version 2.1.0 or beyond	Check the EML document declaration for version 2.1.0 or higher	eml://ecoinformatics.org/eml-2.1.0 or eml://ecoinformatics.org/eml-2.1.1	eml://ecoinformatics.org/eml-2.1.1	Validity of this quality report is dependent on this check being valid.		
3	schemaValid	valid	Type: metadata System: knb On Failure: error	Document is schema-valid EML	Check document schema validity	schema-valid	Document validated for namespace: 'eml://ecoinformatics.org/eml-2.1.1'	Validity of this quality report is dependent on this check being valid.		
4	parserValid	valid	Type: metadata System: knb On Failure: error	Document is EML parser-valid	Check document using the EML IDs and references parser	Validates with the EML IDs and references parser	EML IDs and references parser succeeded	Validity of this quality report is dependent on this check being valid.		
5	schemaValidDereferenced	valid	Type: metadata System: lter On Failure: error	Dereferenced document is schema-valid EML	References are dereferenced, and the resulting file validated	schema-valid	Dereferenced document validated for namespace: 'eml://ecoinformatics.org/eml-2.1.1'	Validity of this quality report is dependent on this check being valid.		
6	keywordPresent	valid	Type: metadata System: lter On Failure: warn	keyword element is present	Checks to see if at least one keyword is present	Presence of one or more keyword elements	5 'keyword' element(s) found			
7	methodsElementPresent	warn	Type: metadata System: lter On Failure: warn	A 'methods' element is present	All datasets should contain a 'methods' element, at a minimum a link to a separate methods doc.	presence of 'methods' at one or more xpaths.	0 'methods' element(s) found	As a minimum, a reference to an external protocol should be given at the dataset level. However, detailed methods at this level are preferable. If further refinement is needed, methods can be defined for individual data entities or even individual attributes if necessary.	Since they are mostly for human consumption, one detailed description of all steps taken at the dataset level is frequently sufficient and more user friendly.	EML Best Practices, p. 28
8	coveragePresent	warn	Type: metadata System: lter On Failure: warn	coverage element is present	At least one coverage element should be present in a dataset.	At least one of geographicCoverage, taxonomicCoverage, or temporalCoverage is present in the EML.	0 'coverage' element(s) found			
9	geographicCoveragePresent	info	Type: metadata System: lter On Failure: info	geographicCoverage is present	Check that geographicCoverage exists in EML at the dataset level, or at least one entity's level, or at least one attribute's level.	geographicCoverage at least at the dataset level.	0 'geographicCoverage' element(s) found	Many but not all datasets are appropriate to have spatial coverage.	If sampling EML is used within methods, does that obviate geographicCoverage? Or should those sites be repeated or referenced?	EML Best Practices v.2, p. 22-23 geographicCoverage element is included, whose boundingCoordinates describe the extent of the data. geographicCoverage elements entered at the dataset level if the significant distances between sites would be confusing if they were one bounding box." 6 decimal places
			Type: metadata							

10	taxonomicCoveragePresent	info	Type: metadata System: lter On Failure: info	taxonomicCoverage is present	Check that taxonomicCoverage exists in EML at the dataset level, or at least one entity's level, or at least one attribute's level.	taxonomicCoverage at least at the dataset level.	0 'taxonomicCoverage' element(s) found	Only when taxa are pertinent to the dataset will they have taxonomicCoverage.	Could search title, abstract, keywords for any taxonomic name (huge). Could search keywordType="taxonomic".	EML Best Practices v.2, p. 25
11	temporalCoveragePresent	info	Type: metadata System: lter On Failure: info	temporalCoverage is present	Check that temporalCoverage exists in EML at the dataset level, or at least one entity's level, or at least one attribute's level.	temporalCoverage at least at the dataset level.	0 'temporalCoverage' element(s) found	LTER wants to search datasets by time; the best place to search is the dataset level temporal coverage.	Most datasets have a temporal range.	EML Best Practices v.2, p. 24
12	titleLength	valid	Type: metadata System: lter On Failure: warn	Dataset title length is at 5 least words.	If the title is shorter than 5 words, it might be insufficient. Title word count between 7 and 20 including prepositions and numbers.	Between 7 and 20 words	12 words found.			EML Best Practices, v.2, p. 13
13	pubDatePresent	warn	Type: metadata System: lter On Failure: warn	'pubDate' element is present	Check for presence of the pubDate element	The date that the dataset was submitted for publication in PASTA must be included. (The EML schema does not require this element, but when present, it does constrain its format to YYYY-MM-DD or just YYYY. Citation format uses only the YYYY portion even if a full date is entered.)	pubDate not found	'pubDate is part of citation'. 'pubDate' qualifies use of "ongoing" in other metadata elements.	The year of public release of data online should be listed as the 'pubDate' element. The 'pubDate' should be updated when data and/or metadata are updated or re-released. The format can be either a 4-digit year (YYYY), or an ISO date (YYYY-MM-DD).	EML Best Practices v.2, p. 17
14	datasetAbstractLength	valid	Type: metadata System: lter On Failure: warn	Dataset abstract element is a minimum of 20 words	Check the length of a dataset abstract and warn if less than 20 words.	An abstract is 20 words or more.	40 words found.			EML Best Practices
15	duplicateEntityName	valid	Type: metadata System: lter On Failure: error	There are no duplicate entity names	Checks that content is not duplicated by other entityName elements in the document	entityName is not a duplicate within the document	No duplicates found	Data Manager requires a non-empty, non-duplicate entityName value for every entity	Declare a non-empty entityName and ensure that there are no duplicate entityName values in the document	http://knb.ecoinformatics.org/sc/2.1.0/eml-dataTable.html#numl

Entity Report

Entity Name: ExampleData.txt

Entity Identifier:

#	Identifier	Status	Quality Check	Name	Description	Expected	Found	Explanation	Suggestion	Reference
1	entityNameLength	valid	Type: metadata System: knb On Failure: warn	Length of entityName is not excessive (less than 100 char)	length of entity name is less than 100 characters	entityName value is 100 characters or less	15			
2	entityDescriptionPresent	warn	Type: metadata System: lter On Failure: warn	An entity description is present	Check for presence of an entity description.	EML Best practices pp. 32-33, "...should have enough information for a user..."	false	With entityName sometimes serving as a file name rather than a title, it is important to be very descriptive here.		
3	numHeaderLinesPresent	info	Type: metadata System: knb On Failure: info	'numHeaderLines' element is present	Check for presence of the 'numHeaderLines' element.	Document contains 'numHeaderLines' element.	'numHeaderLines' element: 1			
4	numFooterLinesPresent	info	Type: metadata System: knb On Failure: info	'numFooterLines' element is present	Check for presence of the 'numFooterLines' element.	Document contains 'numFooterLines' element.	No 'numFooterLines' element found	If data file contains footer lines, 'numFooterLines' must be specified.	Add 'numFooterLines' element if needed.	
5	fieldDelimiterValid	valid	Type: metadata System: knb On Failure: error	Field delimiter is a single character	Field delimiters should be one character only	A single character is expected	,	A valid fieldDelimiter value was found		http://knb.ecoinformatics.org/sc/2.1.0/eml-physical.html#fieldDe
6	recordDelimiterPresent	valid	Type: metadata System: knb On Failure: warn	Record delimiter is present	Check presence of record delimiter. Check that the record delimiter is one of the suggested values.	A record delimiter from a list of suggested values: \n, \r, \n\r, #x0A, #x0D, #x0D#x0A	#x0A	A valid recordDelimiter value was found		http://knb.ecoinformatics.org/sc/2.1.0/eml-physical.html#recordl
7	attributeNamesUnique	valid	Type: metadata	Attribute names are	Checks if	Unique attribute names.	true	A good table does not have		EML Best Practices

			System: knb On Failure: warn	unique	attributeName values are unique in the table. Not required by EML.			duplicate column names.		
8	displayDownloadData	info	Type: data System: knb On Failure: info	Display downloaded data	Display the first kilobyte of data that is downloaded	Up to one kilobyte of data should be displayed	click here to view content			
9	urlReturnsData	valid	Type: congruency System: knb On Failure: error	URL returns data	Checks whether a URL returns data. Unless the URL is specified to be function="information", the URL should return the resource for download.	A data entity that matches the metadata	true			http://knb.ecoinformatics.org/sc/2.1.0/eml-resource.html#UriType
10	onlineURLs	valid	Type: congruency System: knb On Failure: error	Online URLs are live	Check that online URLs return something	true	true	Succeeded in accessing URL: https://portal-d.itsernet.edu/nis/data/knbuser-evaluate-2016-05-24-1464127898440/jsclint3.1		
11	databaseTableCreated	valid	Type: metadata System: knb On Failure: error	Database table created	Status of creating a database table	A database table is expected to be generated from the EML attributes.	A database table was generated from the attributes description	CREATE TABLE ExampleData_txt("lake" TEXT,"site" TEXT,"sampdate" TEXT,"depth" FLOAT,"sampvol" FLOAT,"species" TEXT,"count" FLOAT);		
12	examineRecordDelimiter	valid	Type: congruency System: knb On Failure: warn	Data are examined and possible record delimiters are displayed	If no record delimiter was specified, we assume that \r\n is the delimiter. Search the first row for other record delimiters and see if other delimiters are found.	No other potential record delimiters expected in the first row.	No other potential record delimiters were detected. A valid record delimiter was previously detected			http://knb.ecoinformatics.org/sc/2.1.0/eml-physical.html#recordDelimiter
13	displayFirstInsertRow	info	Type: data System: knb On Failure: info	Display first insert row	Display the first row of data values to be inserted into the database table	The first row of data values should be displayed	Lake Erie, N1, 10JUN2000, 1, 10, Daphnia pulex, 78			
14	tooFewFields	valid	Type: congruency System: knb On Failure: error	Data does not have fewer fields than metadata attributes	Compare number of fields specified in metadata to number of fields found in a data record		No errors detected			http://knb.ecoinformatics.org/sc/2.1.0/eml-physical.html#dataFields
15	tooManyFields	valid	Type: congruency System: knb On Failure: error	Data does not have more fields than metadata attributes	Compare number of fields specified in metadata to number of fields found in a data record		No errors detected			http://knb.ecoinformatics.org/sc/2.1.0/eml-physical.html#dataFields
16	dataLoadStatus	valid	Type: congruency System: knb On Failure: warn	Data can be loaded into the database	Status of loading the data table into a database	No errors expected during data loading or data loading was not attempted for this data entity	The data table loaded successfully into a database			
17	numberOfRecords	valid	Type: congruency System: knb On Failure: warn	Number of records in metadata matches number of rows loaded	Compare number of records specified in metadata to number of records found in data	24	24	The expected number of records (24) was found in the data table.		