

## Metacat - Bug #3259

### Add fields used in Morpho search to the default indexPaths property

04/30/2008 03:17 PM - ben leinfelder

<b>Status:</b>	Resolved	<b>Start date:</b>	04/30/2008
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	ben leinfelder	<b>% Done:</b>	0%
<b>Category:</b>	metacat	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.8.1	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	3259		
<b>Description</b>			
Compound searches issued from Metacat (with "combine constraints from all tabs") uses certain EML elements in the pathquery that are not exactly included in the default metacat indexPaths list (in build.properties). We should ensure that those match so that searching within Morpho is optimized like it is on the web.			

### History

#### #1 - 04/30/2008 03:22 PM - ben leinfelder

here is a sample of the pathquery generated in Morpho

```
<?xml version="1.0"?>
<pathquery version="1.2">
<local_search>true</local_search>
<network_search>>false</network_search>
<querytitle>Untitled-Search-5</querytitle>
<returndoctype>-//ecoinformatics.org/eml-dataset-2.0.0beta4//EN</returndoctype>
<returndoctype>-//ecoinformatics.org/eml-dataset-2.0.0beta6//EN</returndoctype>
<returndoctype>-//NCEAS/eml-dataset-2.0//EN</returndoctype>
<returndoctype>-//NCEAS/resource//EN</returndoctype>
<returndoctype>eml://ecoinformatics.org/eml-2.0.0</returndoctype>
<returndoctype>eml://ecoinformatics.org/eml-2.0.1</returndoctype>
<returndoctype>edml://ecoinformatics.org/edml</returndoctype>
<returndoctype>http://www.imsglobal.org/xsd/ims\_qtiasiv1p2&lt;/returndoctype>
<returnfield>dataset/title</returnfield>
<returnfield>individualName/surName</returnfield>
<returnfield>keyword</returnfield>
<returnfield>entityName</returnfield>
<querygroup operator="INTERSECT">
<querygroup operator="UNION">
<querygroup operator="UNION">
<queryterm searchmode="contains" casesensitive="false">
<value>tuber</value>
<pathexpr>title</pathexpr>
</queryterm>
<queryterm searchmode="contains" casesensitive="false">
<value>tuber</value>
<pathexpr>abstract</pathexpr>
</queryterm>
<queryterm searchmode="contains" casesensitive="false">
<value>tuber</value>
<pathexpr>keyword</pathexpr>
</queryterm>
</querygroup>
</querygroup>
<querygroup operator="UNION">
<querygroup operator="INTERSECT">
<queryterm searchmode="contains" casesensitive="false">
<value>Species</value>
<pathexpr>taxonomicClassification/taxonRankName</pathexpr>
</queryterm>
<queryterm searchmode="contains" casesensitive="false">
<value>tuber</value>
<pathexpr>taxonomicClassification/taxonRankValue</pathexpr>
</queryterm>
</querygroup>
</querygroup>
<querygroup operator="INTERSECT">
```

```
<queryterm searchmode="less-than" casesensitive="false">
<value>-14.0</value>
<pathexpr>northBoundingCoordinate</pathexpr>
</queryterm>
<queryterm searchmode="greater-than" casesensitive="false">
<value>-39.0</value>
<pathexpr>northBoundingCoordinate</pathexpr>
</queryterm>
<queryterm searchmode="less-than" casesensitive="false">
<value>52.0</value>
<pathexpr>westBoundingCoordinate</pathexpr>
</queryterm>
<queryterm searchmode="greater-than" casesensitive="false">
<value>0.0</value>
<pathexpr>westBoundingCoordinate</pathexpr>
</queryterm>
</querygroup>
</querygroup>
</pathquery>
```

**#2 - 04/30/2008 03:32 PM - ben leinfelder**

Paths to add:

```
taxonomicClassification/taxonRankValue
taxonomicClassification/taxonRankName
northBoundingCoordinate
southBoundingCoordinate
westBoundingCoordinate
eastBoundingCoordinate
```

Note that the taxon paths are in the list already (but with no parent element), and the spatial paths are in there (but *with* parent paths). We could edit the existing index paths instead of adding these, but that might slow down other queries that are using the existing entries in the indexPaths property. I vote for *adding* the above values if it is not overly costly for metacat to index these additional fields.

**#3 - 05/19/2008 09:34 AM - ben leinfelder**

these have been added to the build.properties file in the 1.8.1 branch

**#4 - 03/27/2013 02:22 PM - Redmine Admin**

Original Bugzilla ID was 3259