

## Scenario: Hold information from multiple RBDs in one database and export to XML (v2010-02-10)

The WFD reporting database was designed to manage data at the RBD level as this was the level that information was to be reported it. It is also possible to hold all the information for multiple RBDs, but in order for the schemas to be properly exported a small workaround is necessary. Export to XML is done using the conversion tool.

**There is an issue between the conversion tool and database which means certain information will not map specifically for one RBD. The details of the issue and the workaround required are detailed at the end of the document.**

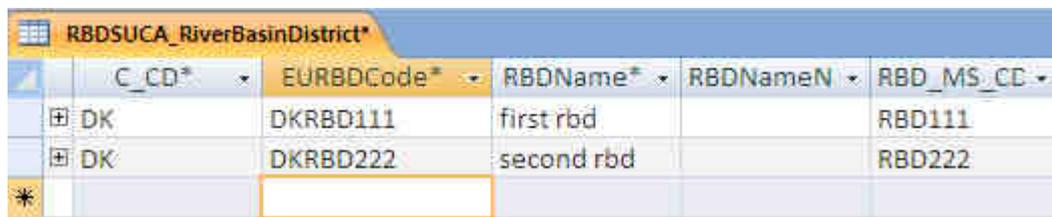
(NB: Access has a size limit of approx 4GB)

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<http://water.eionet.europa.eu/schemas/dir200060ec/resources>

1. RBDs are listed in the RBDSUCA\_RiverBasinDistrict\* table

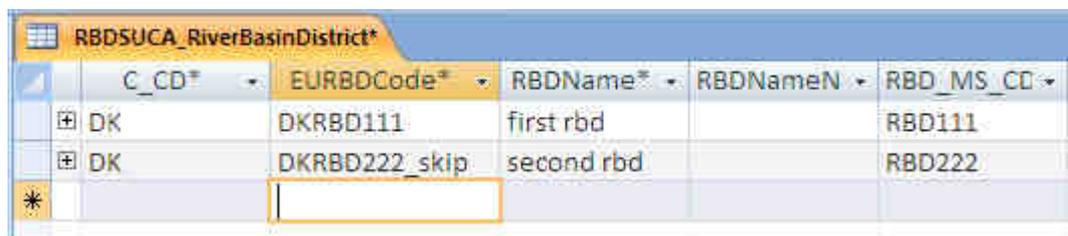


C_CD*	EURBDCode*	RBDName*	RBDNameN	RBD_MS_CD
DK	DKRBD111	first rbd		RBD111
DK	DKRBD222	second rbd		RBD222
*				

2. The database model diagrams show the relationships between the schema specific database tables and the RBDSUCA\_RiverBasinDistrict\* table or RBDSUCA\_Sub\_Unit\* table. For RBD/SU codes to be available in lower order tables, these linkages need to be established from the top down.

Find the model diagrams at: <http://water.eionet.europa.eu/schemas/dir200060ec/resources/>

3. Generation of the reporting XML from the database can only be done one RBD at a time (this does not apply to RBDSUCA generation which is a list of RBDs at national level). In order to control which RBD is being exported then the workaround is to rename the other RBDs in some way so that the codes are invalid. The following example produces schemas for DKRBD111 only:



C_CD*	EURBDCode*	RBDName*	RBDNameN	RBD_MS_CD
DK	DKRBD111	first rbd		RBD111
DK	DKRBD222_skip	second rbd		RBD222
*				

**NB:** This is a final step. Only this table should be edited and the 'dummy' code should only appear in this table

## Known issue with the export of data to XML

The following three issues have been identified in the database with regards to the export of XML from a database holding multiple RBDs. To correct these issues (aside from issue 1) would mean a re-release of the database and updates in the conversion tool which is adjudged as too heavy a change and too late in the process for an update to the scope.

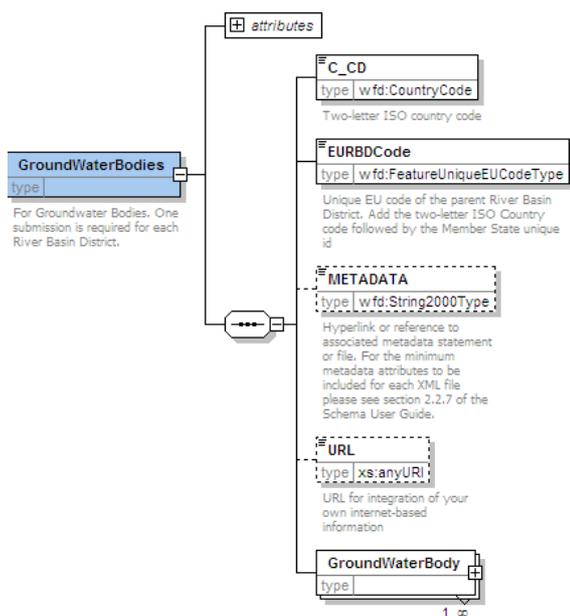
**1. Protected Areas conversion needs updating for the correct export of PA\_Legislation values specific to an RBD. This issue will be fixed in release 1.4 of the conversion tool in February 2010.**

## 2. Metadata\_URL\_at\_RBD\_level\_Schema\_dependent

Issue: Information is not held at RBD level

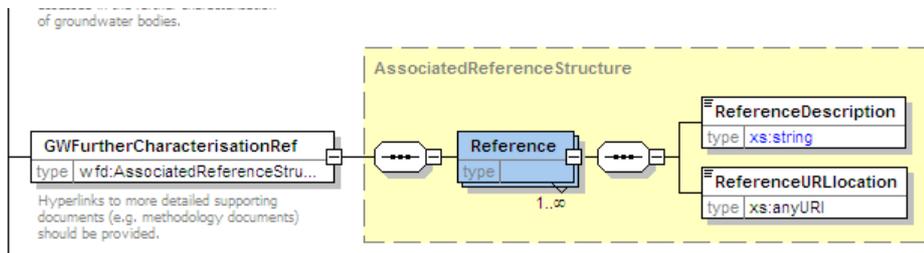
This table provides optional schema level Metadata and URL for the following:  
GWB/SWB/PA/GWMethods/SWMethods/RBMP\_POM

e.g seen here for GWB



Workaround: Manual editing of the table before each schema is produced for a specific RBD or editing of the produced XML afterwards with the correct properties for that RBD.

### 3. Document References for the following schemas GWMethods/SWMethods/RBMP\_POM

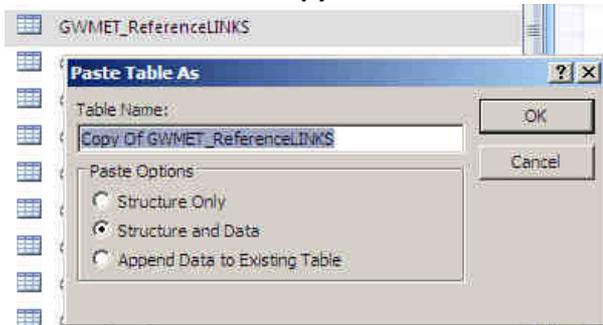


Issue: The following tables will not output information specific to a RBD (even though an RBD can be chosen as a parameter in the table).

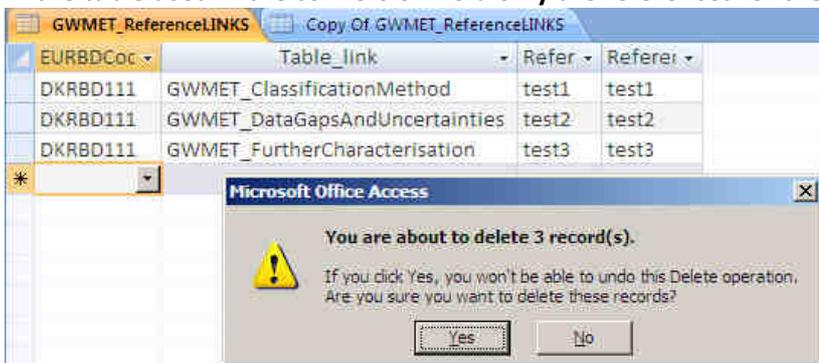
- GWMET\_ReferenceLINKS
- RBMP\_ReferenceLINKS
- SWMET\_ReferenceLINKS

EURBDCoc	Table_link	Refer	Referer
DKRBD111	GWMET_ClassificationMethod	test1	test1
DKRBD111	GWMET_DataGapsAndUncertainties	test2	test2
DKRBD111	GWMET_FurtherCharacterisation	test3	test3
DKRBD222	GWMET_ClassificationMethod	test4	test4
DKRBD222	GWMET_DataGapsAndUncertainties	test5	test5
DKRBD222	GWMET_FurtherCharacterisation	test6	test6

**Workaround: Make a copy of these tables before the XML is to be exported.**



**In the table used in the conversion hold only the references for the RBD that is exported, ie delete the rest.**



**Then before each export remove the rows from the table and copy the appropriate rows for the RBD to be exported next from the table copy.**

GWMET\_ReferenceLINKS

EURBDCoc	Table_link	Refer	Refere
*			

Copy Of GWMET\_ReferenceLINKS

EURBDCoc	Table_link	Refer	Refere
DKRBD111	GWMET_ClassificationMethod	test1	test1
DKRBD111	GWMET_DataGapsAndUncertainties	test2	test2
DKRBD111	GWMET_FurtherCharacterisation	test3	test3
DKRBD222	GWMET_ClassificationMethod	test4	test4
DKRBD222	GWMET_DataGapsAndUncertainties	test5	test5
DKRBD222	GWMET_FurtherCharacterisation	test6	test6

Context menu options: New Record, Delete Record, Cut, Copy, Paste, Row Height...

Then paste them into the table used in the conversion

GWMET\_ReferenceLINKS

EURBDCoc	Table_link	Refer	Refere
DKRBD222	GWMET_ClassificationMethod	test4	test4
DKRBD222	GWMET_DataGapsAndUncertainties	test5	test5
DKRBD222	GWMET_FurtherCharacterisation	test6	test6
*			

Microsoft Office Access dialog box:

**You are about to paste 3 record(s).**  
 Are you sure you want to paste these records?  
 Yes No