

Report

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Investigation: Search by Year

## Appendix 10

# Investigation: Search by Year

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National Land Survey of Sweden

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## 1 Investigation: Search by Year

This paper shows an investigation about having year, from metadata for digital files in the database, as search parameter on the prototype.

### 1.1 Search by Year in the Swedish material

In the database there are two fields for year, performed and ratified.

Performed year is the first choice for searching.

The contents of the fields are stored in text format not in number (se below).

Following example of year exists:

Errors can occur in the database and the field can be empty.

Example      1729 32  
                  1629 1680  
                  1788,1792,1798  
                  1629-95  
                  1630

#### 1.1.1 Alt. 1 Search in *Performed year*

Search at specific year (from-year) can be done as follows:

Example	1639%	(hit on fields that begin at 1639)
	163%	(hit on fields that begin at 163)
	16%	(hit on fields that begin at 16)

Note: Search will be at the beginning of the field (% -character is not needed, it will be in the script).

In the above search, you will not hit field like this: 1595-1639.

#### 1.1.2 Alt. 2 Search in *Performed year*

Search of "Between year".

Example      From Year: 1630 To Year: 1690

Note: Search will be at the beginning of the field. In the above search, you will not hit field like this: 1629 1680.

To achieve that we must update the database and split the field into two new fields (from\_performed\_year and to\_performed\_year).

To make the fields homogeneous, much work must be done due to all variations (se above).

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### 1.1.3 Summary and recommendation

It will involve much work, 15-20 days data corrections + days for developing of the search routine and design of the web-site, to have a well-functioning search in the database.

We do not recommend a search by year in the first choice, due to construction time needed.

In a second phase we recommend Alt. 1

There is no problem to show *Performed year* in the result list.

## 1.2 Search by Year in the Danish material

In the Danish table there are two fields for year: From\_year and To\_year.

The contents of the fields are stored in text format not in number (se below).

Following example of year exists:

There are some empty fields.

Example      1878  
                 Ca 1816

Note: The text 'ca' can be moved to the remark field, if searching via Year is to be used.

### 1.2.1 Alt. 1 Search in *From\_year*

Search on a specific year (from-year) can be done as follows:

Example      1639%            (hit on fields as begin at 1639)  
                 163%                    (hit on fields that begin at 163)  
                 16%                        (hit on fields that begin at 16)

Note: Search will be at the beginning of the field (% -character is not needed, it will be in the script).

### 1.2.2 Alt. 2 Search in *From\_year*

Search at 'Between year'.

Example      From Year: 1800 To Year: 1890

Note: Search will be only at the field from\_year.

### 1.2.3 Alt. 3 Search in *From\_year* and *To\_year*

Search at "Between year".

Example      From Year: 1800 To Year: 1890

Note: to\_year is almost empty, that involves more work.

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### **1.2.4 Summary**

There are some empty fields. The word 'ca' has to be moved to the remark field. Besides that, there are no changes needed in the database.

## **1.3 Search by Year in the German material**

In the German table there is one field for year: `map_origin_year`.

The content of the field is stored in number and is always 4 digits long. There are a few empty fields.

Example: 1696

### **1.3.1 Alt. 1 Search in *date\_map\_origin\_year***

Search at specific year (from-year) can be done as follows:

Example	1639%	(hit on fields that begin at 1639)
	163%	(hit on fields that begin at 163)
	16%	(hit on fields that begin at 16)

Note: Search will be at the beginning of the field (% -character is not needed, it will be in the script).

### **1.3.2 Alt. 2 Search in *date\_map\_origin\_year***

Search at "Between year".

Example From Year: 1800 To Year: 1890

### **1.3.3 Summary**

There are a few empty fields. There is no change in the database needed.