

**Stream Geomorphic Assessment  
Bridge and Culvert  
Data Management Manual**

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## Introduction to the Stream Geomorphic Assessment Bridge and Culvert Database

The Stream Geomorphic Assessment Data Management System Bridge and Culvert database (B&C database) is a component of the larger Stream Geomorphic Assessment Data Management System (DMS). The B&C database stores data collected following protocols described in Appendix G of the Stream Geomorphic Assessment Protocol and generates reports based on that data. Individual reports or a master data table can be downloaded in various formats which allows for easy inclusion in word processing documents, flexibility of analysis and easy generation of a GIS B&C layer. The DMS B&C database includes a search tool that locates the dataset in the Vtrans VOBCIT database that corresponds to any particular structure in the DMS B&C database. This allows the user an efficient means to compile both Stream Geomorphic Assessment and Local Roads data for individual structures. This document briefly describes the use of the B&C database and references additional documentation for more information.

## Navigating to the B&C database

From the DMS home page click on the datasets tab in the top margin, then click on the structures tab in the left margin, this will bring you to the Structure Datasets Page. Once at the Structure Datasets page you can click on one of the hyperlinks in the dataset table to access a listed data set, use the tabs in the left margin to: select reports by town, search for structure SGA B&C reports by Structure ID or VOBCIT ID or search VOBCIT for a report on a particular structure.

Basin Name	Dataset Name
Black, Barton, Clyde	<a href="#">Barton</a>
	<a href="#">Black - North</a>
	<a href="#">Clyde</a>
	<a href="#">Coventry B&amp;C</a>
	<a href="#">Willoughby Lake tribs</a>
Hoosic, Walloomsac, Batten Kill	<a href="#">Batten Kill - White / Mill</a>
	<a href="#">Battenkill</a>
	<a href="#">Walloomsac</a>
Lamoille	<a href="#">Brewster River</a>
	<a href="#">Browns River</a>
	<a href="#">Centerville</a>
	<a href="#">Deer Brook</a>
	<a href="#">Elmore Branch</a>
	<a href="#">Foote Brook</a>

Structure Datasets Page

Clicking one of the hyperlinks in the Structure Datasets table will take you to the Background Information page for that dataset. Here you can use the tabs in the left margin to view the data entry forms (if you have been given data entry permission this is where you enter data), access reports for that dataset and export the data for that dataset in a dbf table.

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### West River

Bridge and Culvert Background Information

Contact Names

Name	Organization	Phone / E-mail Address
Shannon Hill	Agency of Natural Resources	747-5066 <a href="mailto:shannon.pyllik@state.vt.us">shannon.pyllik@state.vt.us</a>
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## Structure Background Page

### Data Entry

From the Dataset Background Page you can click the Data Entry button in the left margin to view, or if you have data entry permissions, enter data. If you don't have data entry permissions for the data set you have navigated to you will be able to view the completed data entry forms but will not be able to enter or edit data.

If you do have data entry permissions for the dataset that you have navigated to you can either select an existing structure (if one exists) or click the "Add a New Structure" button. Selecting an existing structure allows you to edit the data for that structure. Clicking the Add a New Structure button takes you to the Add a New Structure page where you will first create a SgaID for the structure.

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### West River

List of Structures (Bridges, Arches and Culverts)

Page: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 All Structures

**Add New Structure** When you View the data, you will then have the option to enter and edit data.

Line #		Town	Road Name	Structure ID	VOBCIT Struct Num	Type	
1	<a href="#">View</a>	Brattleboro	BLACK MOUNTAIN RD	100036000313021	700036030813023	Culvert	<a href="#">Delete</a>
2	<a href="#">View</a>		FOX FARM RD	100035000213021	700035033913023	Culvert	<a href="#">Delete</a>
3	<a href="#">View</a>		UPPER DUMMERSTON RD	100005000113021	700005041813023	Culvert	<a href="#">Delete</a>
4	<a href="#">View</a>		Route 30	300015000413021	700005042813023	Culvert	<a href="#">Delete</a>
5	<a href="#">View</a>			300015000313021	700005052513023	Culvert	<a href="#">Delete</a>
6	<a href="#">View</a>	Brookfield	Unknown	201303380113031	700037044709033	Bridge	<a href="#">Delete</a>

## Data Entry Structure List

In the, add new structure page you will enter values for the following parameters which are used to create a SgaID by filling in the four fields on the page (see the [2009 Bridge and Culvert Assessment Protocol](#) for more information on filling in these fields).

### Add New Structure Page

Once you have added the new structure by clicking the Save & To List Button you can navigate through the list for the newly added structure and clicking the View Button. Now you can click the Enter Edit Data button to begin data entry.

Data entry fields have been grouped into six different steps to provide increased organization, allow for quick movement through the data fields and increase the overall ease of data entry. The order in which the fields appear in the DMS corresponds to the order in which they appear on the data forms (see Appendix G).

### Reports and Exporting Data

You can access a series of reports (see the [Bridge and Culvert Assessment Protocol](#) for more information on the reports provided in the Bridge and Culvert database). These reports can be downloaded in several formats including: Microsoft Excel, Adobe pdf, and .dbf. In addition to downloading reports you can download the master data table for an individual dataset or the entire state-wide dataset. From the Background Information page click the Export tab in the left margin which will take you to the Export Bridge and Culvert Data page.

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home > datasets > structures > Barton > export

**Barton**

Export Bridge and Culvert Data

[See files previously exported](#)

Please be patient - the export may take several minutes to complete.

Dataset	Description	Filename	Field List	Action
Barton	The list of DMS Structures in this dataset	DmsDataSetStructures.dbf	<a href="#">View</a>	<a href="#">Export</a>
State of VT	The statewide list DMS Structures.	DMVTStructures.dbf	<a href="#">View</a>	<a href="#">Export</a>

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## Export Bridge and Culvert Data page

The data is exported as a .dbf table that can be used in a variety of programs including Microsoft Excel and ESRI GIS software. Before exporting the dataset you can view the field list for the export table by clicking the View button in the Field List column. To export the data table simply click on the Export button for either the individual or state-wide data set.

## Searching the SGA DMS and VOBCIT databases

From the Structure Datasets page you can navigate to the Structure Search page by clicking on the Search button in the left margin. Once at the Structure Search page you can search the SGA B&C database by SgaID or VOBCIT Struct\_Num. The search by VOBCIT Struct\_Num is particularly useful if you have identified a particular structure of interest in the VOBCIT database and would like to find that structure in the SGA B&C database.

### Structure Search Page

From the Structure Search page you can also search the VOBCIT database reports by Strcut\_Num. You can also navigate to the VOBCIT home page by clicking on the VOBCIT Reports button in the left margin.

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