

Data Viewer Help File

This program will display the Chilcotin data that is stored in a Microsoft Access database. No software is needed to view this data. There are 3 parts to this program:

- 1) Station data
- 2) Analysis data
- 3) Toolbar

Chilcotin Basalts Data Viewer

Data Query Export Help 3

SAMPLE DATA

Navigation: << < > >> Close

SAMPLE ID: 01PSC-140 NTS: 092P09

EASTING (NAD83): 681288 1 ROCK TYPE: Basalt

NORTHING (NAD83): 5724609 LOCALITY: basalt Qv

LATITUDE (NAD83): 51.6432 OWNER: Paul Schiarizza 2001

LONGITUDE (NAD83): -120.3798 GEOLOGICAL UNIT: Chilcotin Group - Qv

SAMPLE TYPE: Physical Properties

Sample Organization Stratigraphic Data Public Well Logs

Petrographic Database Physical Properties Pycnometry Data

Chilcotin Geochem Chilcotin Geochron Drilling

Navigation: << < > >> 2

REPORT NUMBER: [] OVERBURDEN THICKNESS: []

DRILL HOLE NUMBER: [] 1ST LITHOLOGY: []

NTS SHEET: [] 1ST THICKNESS: []

DIP: [] 2ND LITHOLOGY: []

BEARING: [] 2ND THICKNESS: []

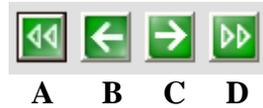
1) Station Data

This is the main form that shows the location and general information for each sample station. There are 11 fields:

- Sample ID
- Easting - coordinates in NAD83
- Northing - coordinates in NAD83
- Latitude - coordinates in NAD83
- Longitude - coordinates in NAD83

NTS Sheet
Rock Type
Locality -
Owner – geologist who collected the sample
Geological Unit
Sample Type – why the sample was collected?

There are 4 green arrow buttons that are used to navigate through the different sample records.



- A) Button **A** (<<) will display the first sample record.
- B) Button **B** (←) will display the previous sample record.
- C) Button **C** (→) will display the next sample record.
- D) Button **D** (>>) will display the last sample record.

2) Analysis Data

Below the sample data are 9 tabs which display different sample analytical data. They are linked to the main Sample Form by the sample number. As you scroll through the sample records, you will notice that the names of the tabs will either be grey or black, if it is grey it means there is was no analysis of that type done on the sample, and if it is black it means there was an analysis of that type done on the sample and the results are displayed in the tab. Below is a description of each tab:

A) *Chilcotin Geochem*

SampleID	Locality	QualityRank	SiO2	TiO2	Al2O3	Fe2O3	FeO	Mn
Wood Lake	Wood Lake	C	48.19	2.66	16.01		2.28243653	

SampleID

Locality

Quality Rank - The level of confidence that the authors feel each data point deserves.

A (Excellent)

B (Very Good Data)

C (Adequate Data)

D (Adequate Data)

E (Unusable Data)

The rest of the fields are different mineral, elemental, and isotopic analysis.

B) Chilcotin Geochron

The screenshot shows a software interface with a menu bar at the top containing: Sample Organization, Stratigraphic Data, Public Well Logs, Petrographic Database, Physical Properties, and Pycnometry Data. Below the menu bar, there are three tabs: Chilcotin Geochem, **Chilcotin Geochron** (which is active), and Drilling. The main window contains four green navigation buttons (Home, Previous, Next, End) and a data entry form with the following fields:

SAMPLE ID:	<input type="text" value="Wood Lake"/>	METHOD:	<input type="text" value="K/Ar whole rock"/>
AGE (Calculated):	<input type="text" value="14.8"/>	ERA:	<input type="text" value="Middle Miocene"/>
ERROR:	<input type="text" value="3"/>		

SampleID

Age – in millions of years

Error – age error in millions of years

Method – dating method

Era – geological age

C) Drilling

Sample Organization	Stratigraphic Data	Public Well Logs
Petrographic Database	Physical Properties	Pycnometry Data
Chilcotin Geochem	Chilcotin Geochron	Drilling

REPORT NUMBER:	<input type="text" value="23505"/>	OVERBURDEN THICKNESS:	<input type="text" value="10"/>
DRILL HOLE NUMBER:	<input type="text" value="Task 94-2"/>	1ST LITHOLOGY:	<input type="text" value="Eocene"/>
NTS SHEET:	<input type="text" value="0920"/>	1ST THICKNESS:	<input type="text"/>
DIP:	<input type="text" value="60"/>	2ND LITHOLOGY:	<input type="text"/>
BEARING:	<input type="text" value="230"/>	2ND THICKNESS:	<input type="text"/>

Report Number – Drilling report number (not included with Open File).

Drill Hole Number – same as Sample ID

NTS Sheet

Dip – drilling dip angle

Bearing – drilling dip direction

Overburden thickness – in metres

1st Lithology

1st Thickness – in metres

2nd Lithology

2nd Thickness – in metres

D) Sample Organization

Petrographic Database	Physical Properties	Pycnometry Data
Chilcotin Geochem	Chilcotin Geochron	Drilling
Sample Organization	Stratigraphic Data	Public Well Logs

SAMPLE ID:	<input type="text" value="SG-BC06-10"/>
SENT FOR Ar-Ar?:	<input type="text"/>
THIN SECTION?:	<input type="text"/>
CORED FOR PHYSICAL PROPERTIES?:	<input type="text"/>
CRUSHED FOR GEOCHEM?:	<input type="text"/>

Sample ID

Sent For Ar-Ar – sent for Ar-Ar analysis
Thin Section – yes or no
Cored for Physical Properties- yes or no
Crushed for Geochem – yes or no

E) Stratigraphic Data

Petrographic Database	Physical Properties	Pycnometry Data
Chilcotin Geochem	Chilcotin Geochron	Drilling
Sample Organization	Stratigraphic Data	Public Well Logs

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SAMPLE ID: UNIT# / LITH #:

ROCK TYPE: SAMPLE TYPE:

Sample ID
Rock Type
Unit # / Lith #
Sample Type

F) Public Well Logs

Petrographic Database	Physical Properties	Pycnometry Data
Chilcotin Geochem	Chilcotin Geochron	Drilling
Sample Organization	Stratigraphic Data	Public Well Logs

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WELL LOG NUMBER:

BCGS: 1ST LITHOLOGY:

NTS SHEET: 1ST THICKNESS: m

DRIFT: m 2ND LITHOLOGY: m

CERTAINTY: TOTAL DEPTH: m

Well Log Number – links to Sample ID
BCGS – British Columbia Geological Survey unique sample number
NTS Sheet
Drift – in metres
Certainty
1st Lithology
1st Thickness – in metres
2nd Lithology
Total Depth – in metres

G) Petrographic Database

The screenshot shows a web interface for the Petrographic Database. At the top, there are navigation tabs: Chilcotin Geochem, Chilcotin Geochron, and Drilling. Below these are sub-tabs: Sample Organization, Stratigraphic Data, and Public Well Logs. The main content area is titled 'Petrographic Database' and contains a form with the following fields:

SAMPLE ID:	JD-HF07-10	DIKTYTAXITIC:	No
ROCK TYPE:	Basalt	PICTURE NUMBER:	pet 011
PETROGRAPHIC TYPE:	Type 2	ALTERATION:	No
PHENOCRYSTS:	Olivine, Px(?)	GROUNDMASS:	Very Fine Grained
VESICULATED:	No	COLOUR INDEX:	Very Dark Grey
HCL FIZZ?:	Yes	AMYGDULES:	Yes

Sample ID
Rock Type
Petrographic Type
Phenocrysts
Vesiculated
HCL fizz – is it a carbonate?
Diktytaxitic
Picture Number – not included in Open File
Alteration
Groundmass
Colour Index
Amygdules

H) Physical Properties

Chilcotin Geochem	Chilcotin Geochron	Drilling	
Sample Organization	Stratigraphic Data	Public Well Logs	
Petrographic Database	Physical Properties	Pycnometry Data	
			
SAMPLE ID:	JD-HF07-10	SUSC:	4.47
DENSITY:		POLARITY:	
SUSC (SI):	0.00447	COMMENTS:	
METHODOLOGY:	KT-9 Kappameter MS		
SUSC AVERAGE:			

Sample ID
 Density – in grams / cubic centimetre
 SUSC (SI)
 Methodology
 SUSC Average
 SUSC
 Polarity
 Comments

1) Pycnometry Data

Chilcotin Geochem	Chilcotin Geochron	Drilling	
Sample Organization	Stratigraphic Data	Public Well Logs	
Petrographic Database	Physical Properties	Pycnometry Data	
			
SAMPLE ID:	RE-CH06-18	VOLUME OF POWDER:	
LENGTH OF CORE:	21.354	POROSITY (ISOLATED, NORMALIZED):	
DIAMETER OF CORE:	25.11	POROSITY (ISOLATED):	
VOLUME OF CORE:	10.5745658301875	POROSITY (CONNECTED):	10.9939816807299
MASS OF CORE:	26.36	DENSITY (SKELETAL OF CORE):	2.8006799830004
BULK DENSITY:	2.49277	VOLUME (SKELETAL OF CORE):	9.412
MASS OF POWDER:		TOTAL POROSITY:	
		DENSITY OF POWDER:	

Sample ID
 Length of core
 Diameter of core

Volume of core
Mass of core
Bulk Density
Mass of powder
Volume of powder
Porosity (Isolated, Normalized)
Porosity (Isolated)
Porosity (Connected)
Density (Skeletal of core)
Volume (Skeletal of core)
Total porosity
Density of powder

3) Toolbar

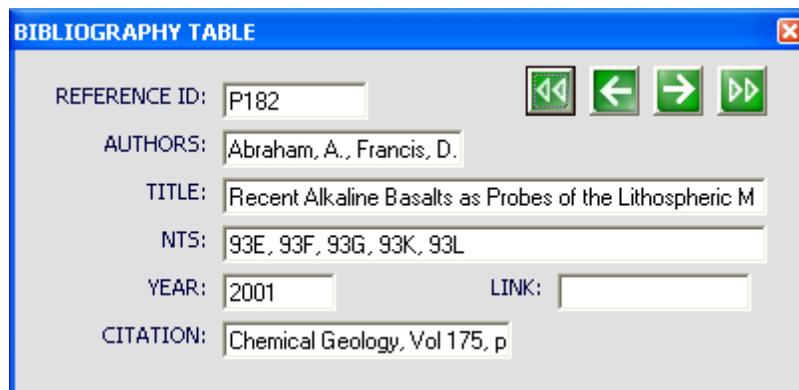
The toolbar has 4 parts:

- A) Data
- B) Query - opens the query form
- C) Export - opens the export form
- D) Help - opens the help file.



A) Data

There is 1 form that does not link to the sample information and that is the Bibliography form. This form displays all the relevant bibliographical information relating to the Chilcotin Basalts.



Reference ID
Authors
Title
NTS

Year
Link
Citation

B) Query

The query form allows the user to filter out data to display only what they are interested in viewing. If the Bibliography form is open, then you will only be able to query the bibliography data, otherwise you will be able to query from the sample data and all the data within the tabs. You are only allowed to query from one table at a time, so once you pick the table from the combo box, you then have to select a field, and once you do that you can enter the values you want to see.

QUERY BUILDER

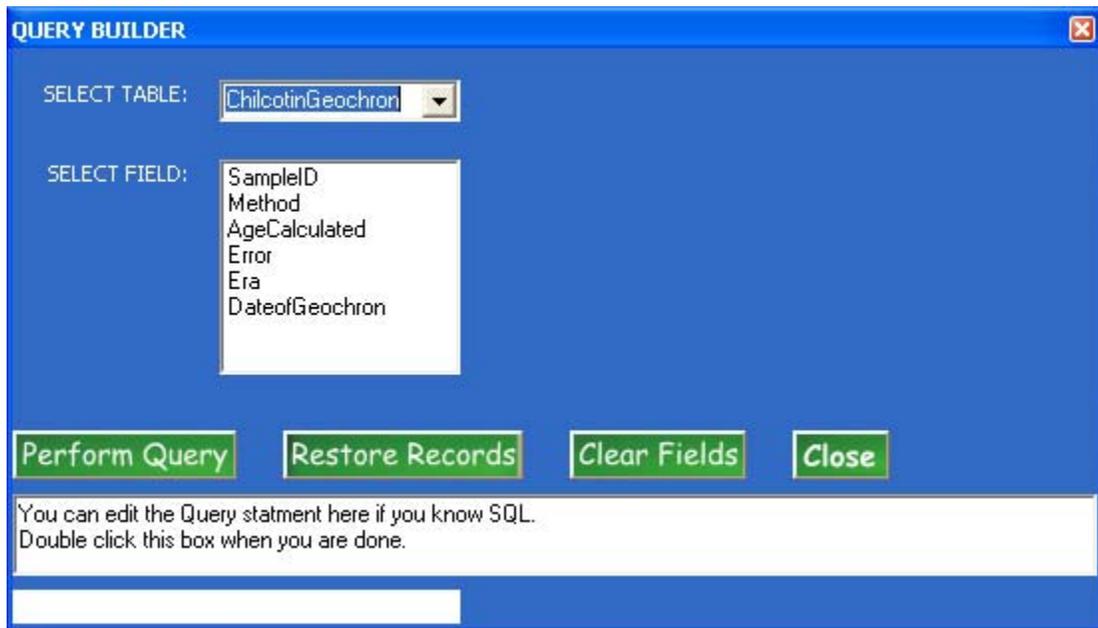
SELECT TABLE:

SELECT FIELD:

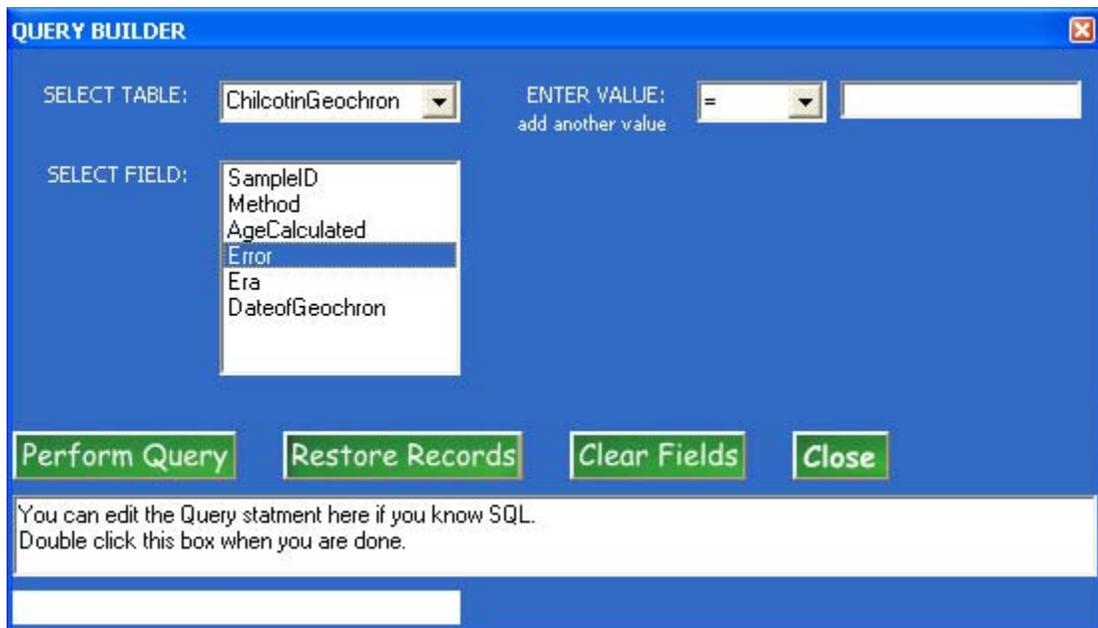
Perform Query Restore Records Clear Fields Close

You can edit the Query statement here if you know SQL.
Double click this box when you are done.

If you want to query the sample and its child data, make sure you pick the table you want to query. This will display the fields as shown below, in this case it is Chilcotin Geochron.



Next select a field that you would like to query, in this case Error.



Next you need to enter a value, and this step is a 2 step process. The first step is to select the type of operator from the dropdown menu. There are 4 types:

- = is where you want the value to match completely. You need double quotes if you want to do text (ex. "basalt").
- > is when you want to return all values that are greater than the number you entered.
- < is when you want to return all values that are less than the number you entered.
- LIKE is when you want to return all the records that have the word or number you entered as part of the value (ex. "seds" will return all records that have seds as part of the value).

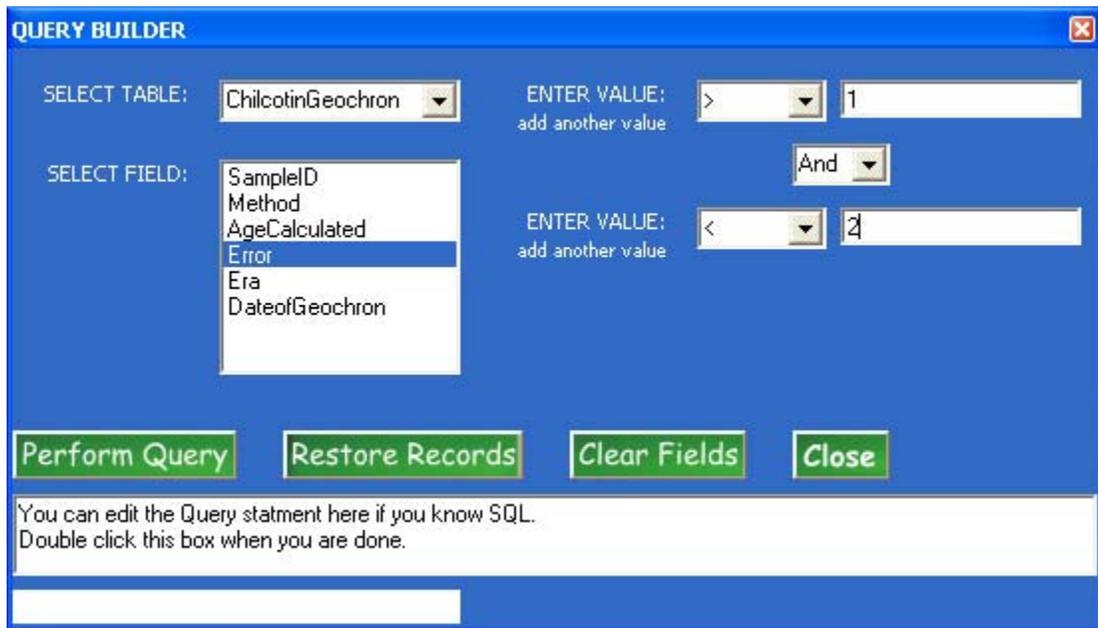
We will select > for this example because the Error field holds numbers. The second step is to enter the text or number you want to find. It is very important to add double quotes (ex. "chilcotin") to all text. Since Error is a number we do not need quotes, so just a number is fine, in this case 1.

Once that is complete, you can either click the "Perform Query" button, or filter the records more by clicking the "add another value" text next to the first value. If you click "add another value", then the following appears.

Another add value row appears and in between the 1st and 2nd rows is a combo box that has AND and OR values inside. When making a query, if you want to query based on 2 values you need to include an AND or an OR.

AND = you want both the first and second values to be correct in order to show the record
OR = you want just one of the 2 values to be correct in order to show the record

In this example I want to show all records where the Error values are between 1 and 2 so AND is selected, and in the next row of values the < sign and 2 is entered, as shown below.



QUERY BUILDER

SELECT TABLE: ChilcotinGeochron

ENTER VALUE: > 1

add another value

And

SELECT FIELD: SampleID
Method
AgeCalculated
Error
Era
DateofGeochron

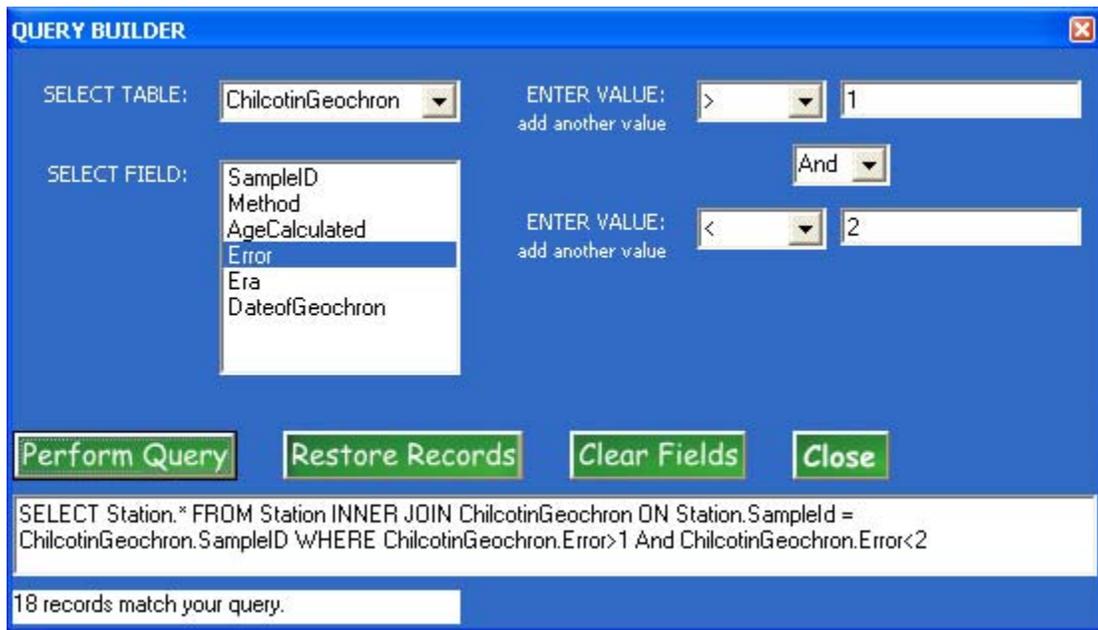
ENTER VALUE: < 2

add another value

Perform Query Restore Records Clear Fields Close

You can edit the Query statement here if you know SQL.
Double click this box when you are done.

One more value can be queried by clicking the “add another value” text but in this case we are done so if we click on “Perform Query” all the records that satisfy the query will display in the main form.



QUERY BUILDER

SELECT TABLE: ChilcotinGeochron

ENTER VALUE: > 1

add another value

And

SELECT FIELD: SampleID
Method
AgeCalculated
Error
Era
DateofGeochron

ENTER VALUE: < 2

add another value

Perform Query Restore Records Clear Fields Close

SELECT Station.* FROM Station INNER JOIN ChilcotinGeochron ON Station.SampleID = ChilcotinGeochron.SampleID WHERE ChilcotinGeochron.Error>1 And ChilcotinGeochron.Error<2

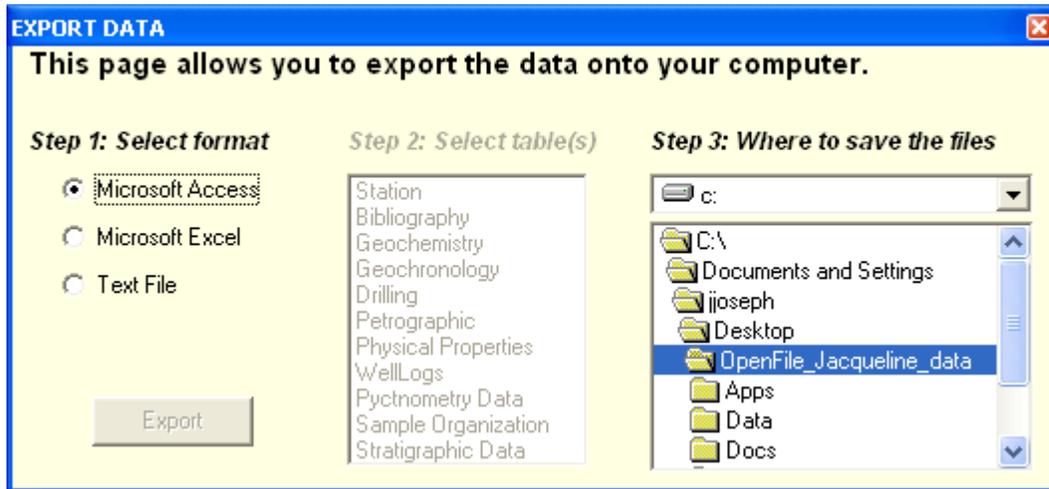
18 records match your query.

It says there are 18 records that have Error values between 1 and 2. Now you will notice that below the green buttons is a text box that has lots of text starting with SELECT. This is the SQL query created from you selecting your criteria in the boxes above. If you know the SQL language then you can enter your SQL query here and then double click inside the box to run it, but the advantage of this is so you can make minor changes or copy and paste the SQL code for later use.

If you want to display all the records again just click “Restore Records”. To clear all the values in the boxes just click “Clear Fields”.

C) Export

The export form gives users an interface to export the raw data to their computer.



There are 4 steps to this, step one is to select the format you would like the data to be in (.mdb, .xls, or .txt). Step 2 is only if you select Excel or Text file; select the tables you would like to export (can be 1 or more). Step 3 is to select where you would like to export the data. Step 4 is to click the "Export" button and the files will appear in the location you selected. The files are stored in Drive:\Data\database so you can get them there too.