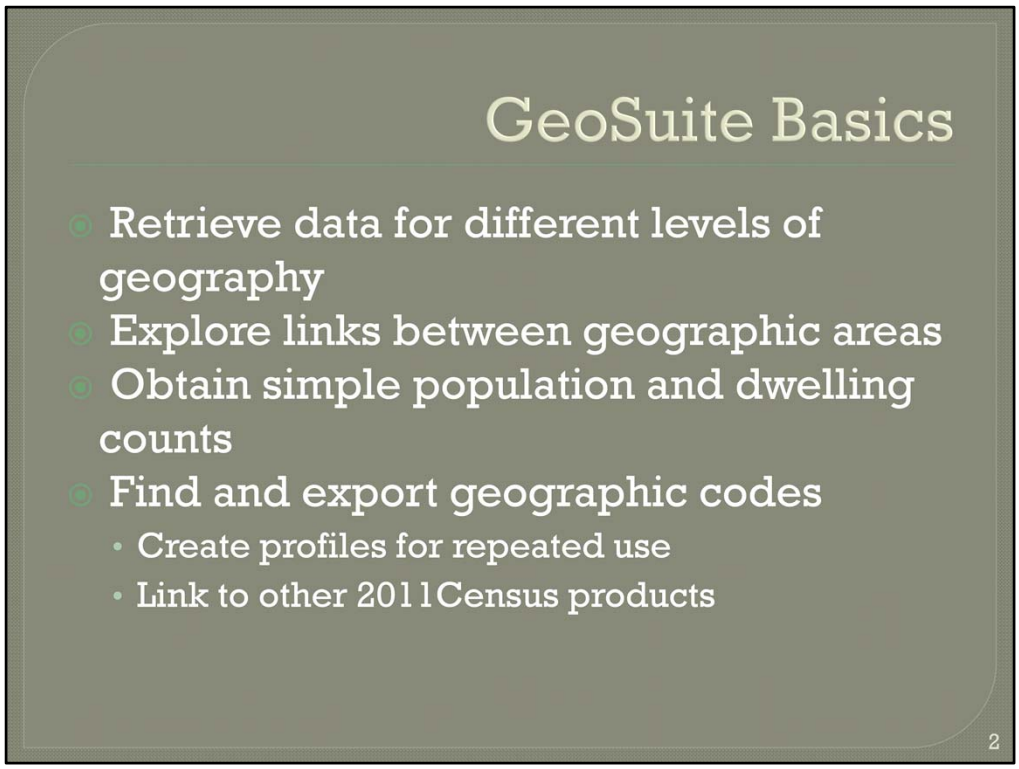
GeoSuite 2011

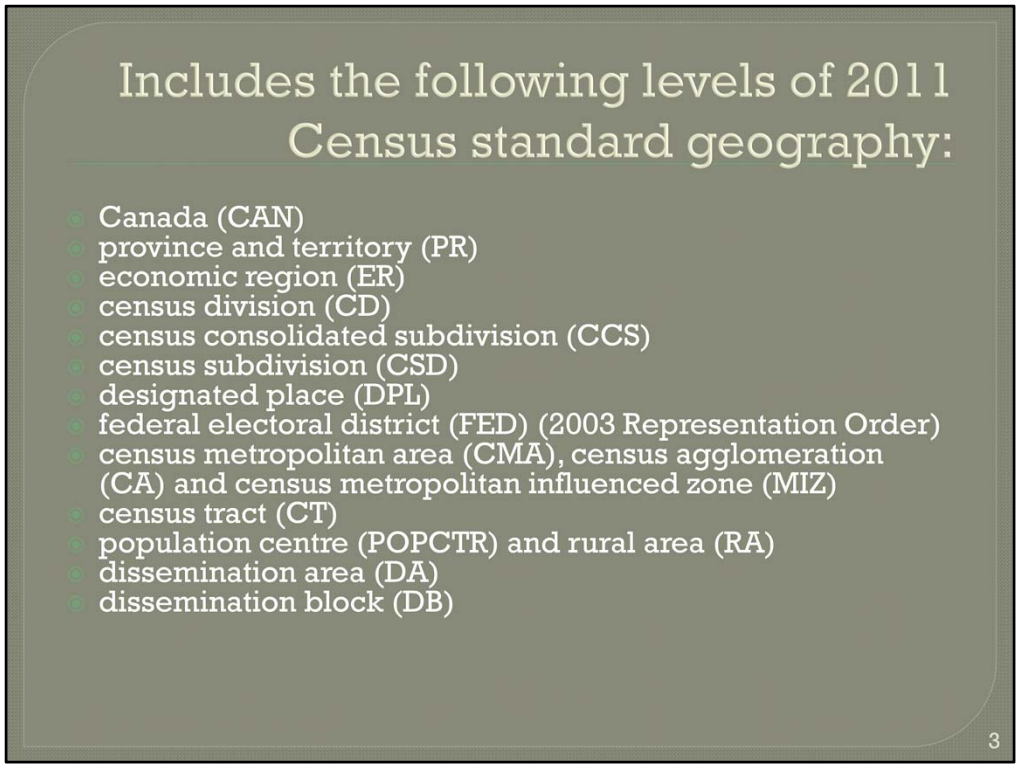
Atlantic DLI Training
April 26, 2012
Carolyn DeLorey



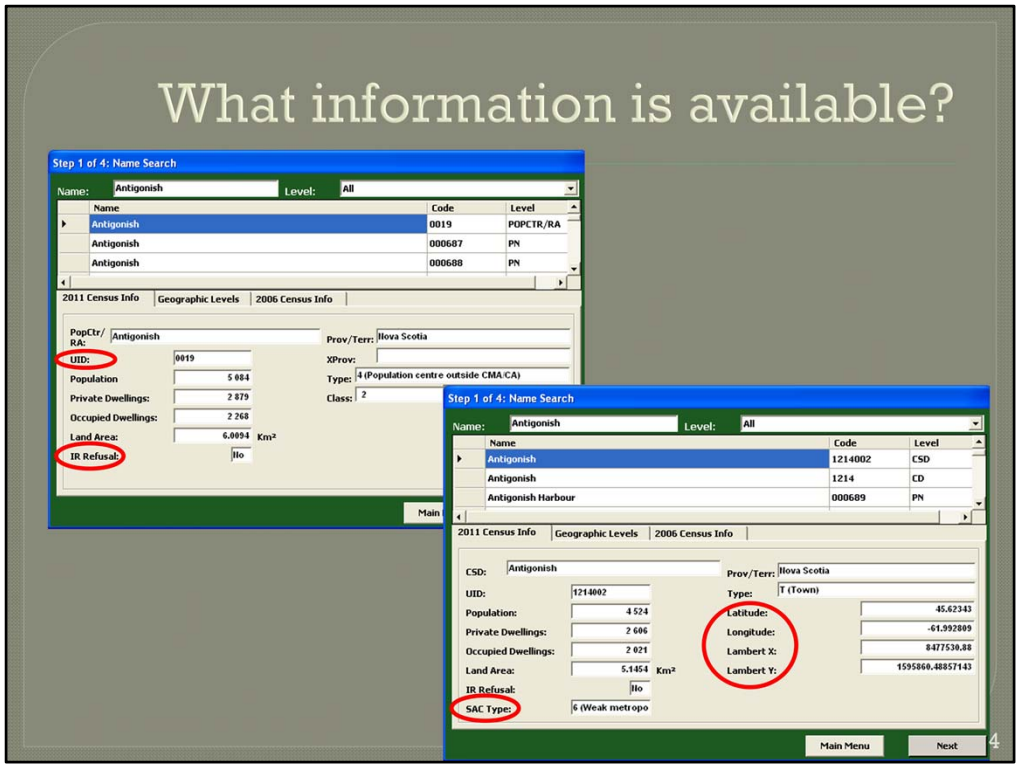
GeoSuite is a tool that allows you to retrieve data for various levels of geography. It's ideal if you want to match different levels, especially when the lower level is identified only by code (no name). For example, finding all of the dissemination areas within a census subdivision.

You can obtain simple population and dwelling count information down to the DA level.

And you can find and export geographic codes which can be used to create a profile for repeated use and can be linked to other Census products.



The type of data that's available is dependent on the geographic level chosen.

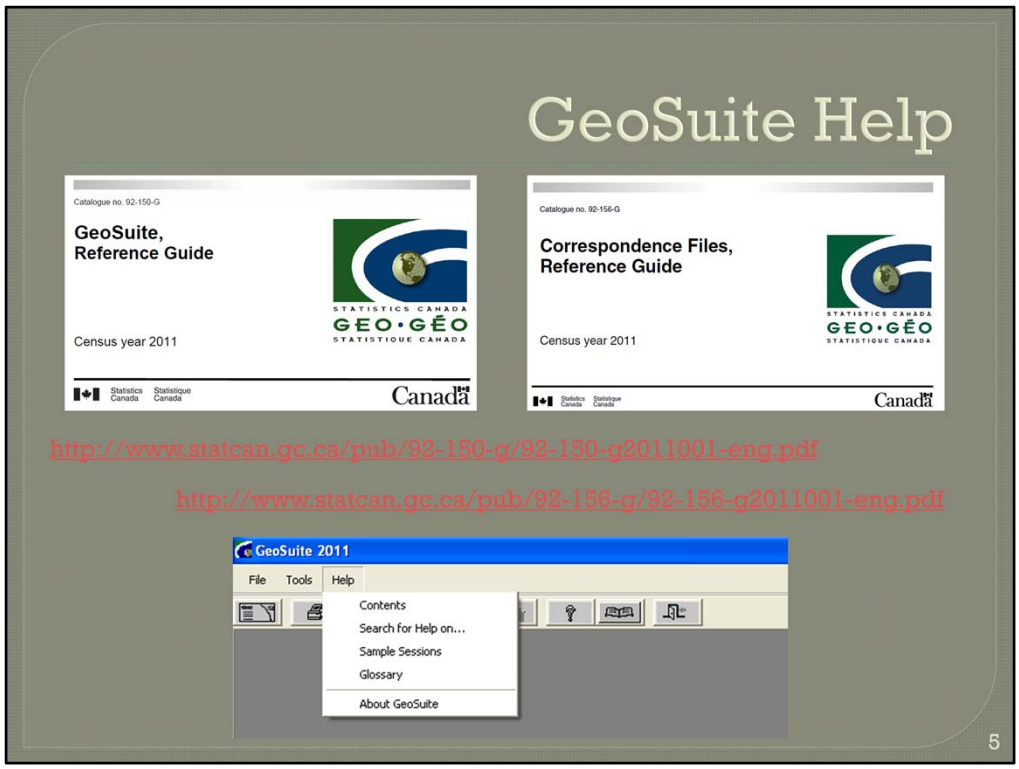


These two screenshots provide an example of the types of information that is available and the difference depending on geographic level.

The top/left shows POPCTR/RA level, and the data available for that level include: population and dwelling counts, land area, UID (unique identifier – number used to identify the geographic area for data storage, retrieval, display, and to link areas found in GeoSuite to other 2011 Census products)
IR (Indian Reserve) Refusal (if YES, provides an explanation for missing data in a given area)

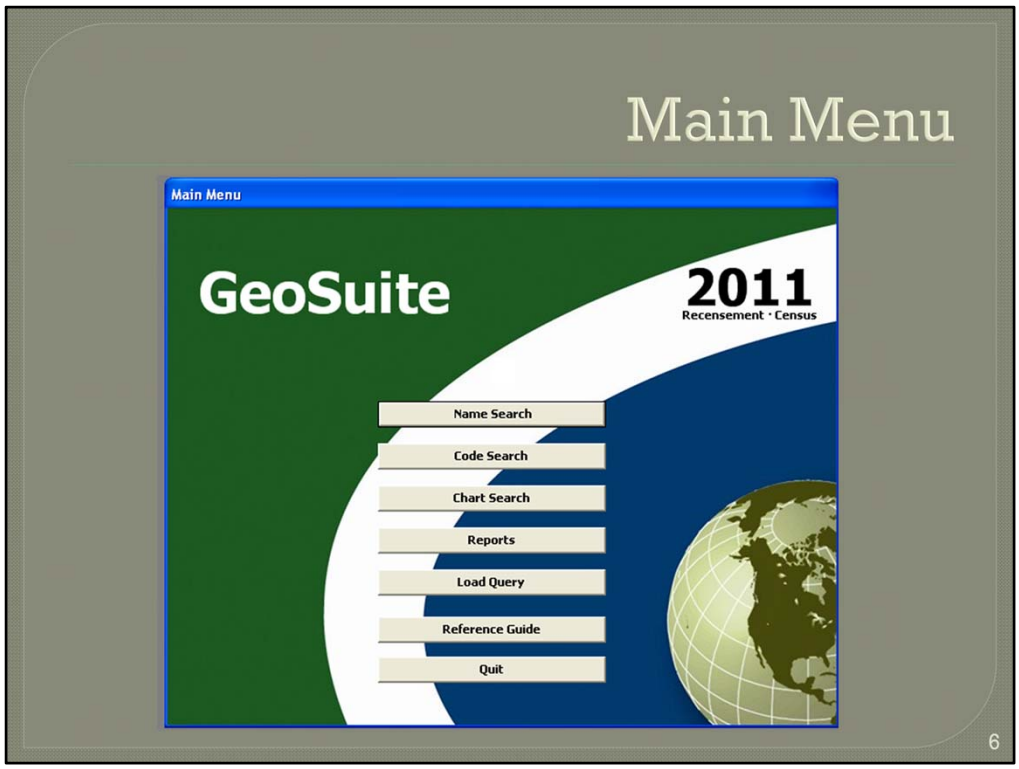
The bottom/right shows the CSD (census subdivision) level.
Addition of point coordinates and the SAC (statistical area classification: which is used to group census subdivisions according to what they are a component of, and used for data dissemination purposes)

2006 Census tab provides corresponding information for the same area from the 2006 Census.

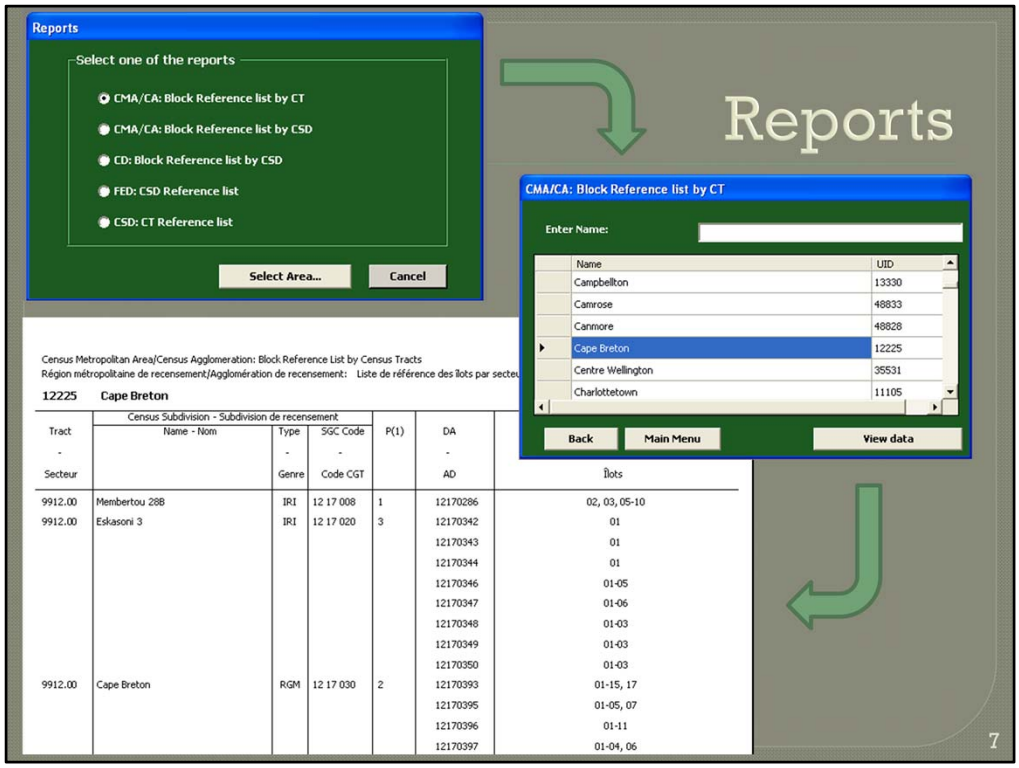


The GeoSuite Reference Guide provides an excellent overview of the product. It takes you step by step through the various functions, including sample searches.
The Correspondence Files Reference Guide provides information that allows you to compare between the 2006 and 2011 Census years.

Embedded help:
Help on the menu bar provides a list of available topics.
Help button on the tool bar opens to the help page for your current screen.



The GeoSuite Reference Guide is also available from the Main Menu.
The Load Query allows you to retrieve previously saved queries.
There are 3 types of searches on the Main Menu: Name, Code, and Chart.
There are 5 types of reports (formerly print publications of Statistics Canada).



Step 1: Choose the report you want.

• Lists the 5 reports available:

• CMA/CA: Dissemination block reference list by CT (a list of CMAs and CAs that contain census tracts is displayed).

• CMA/CA: Dissemination block reference list by CSD (all CMAs and CAs are available).

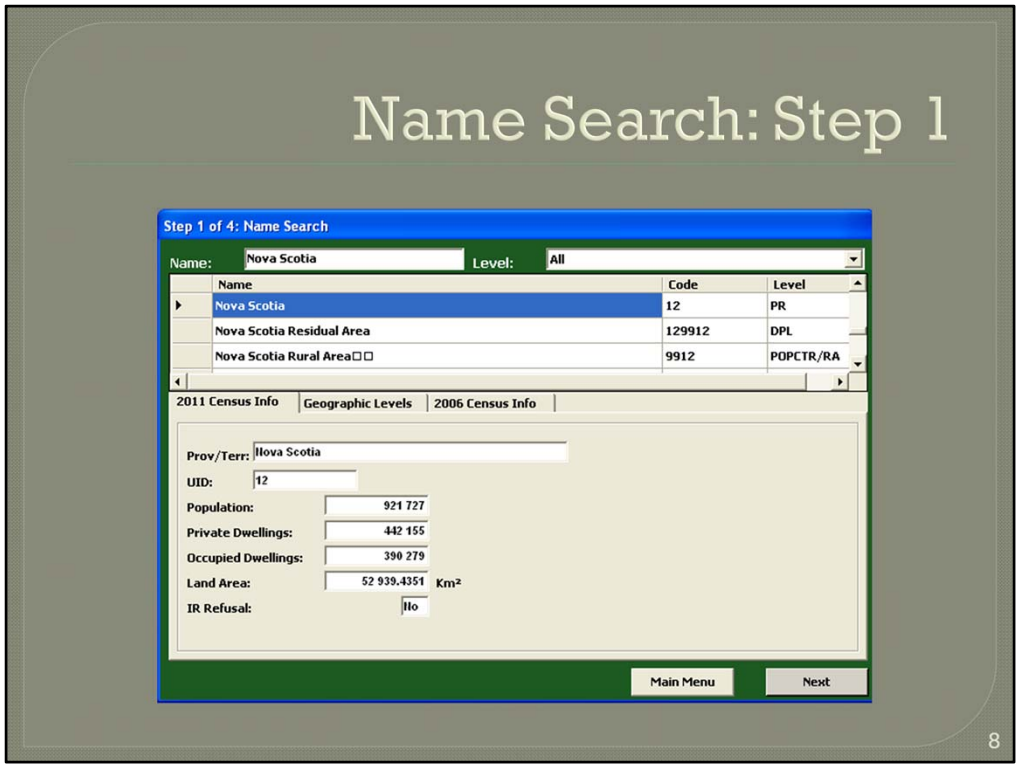
• CD: Dissemination block reference list by CSD (all CDs are displayed with their codes to differentiate those with the same name).

• FED: CSD reference list (all FEDs are listed).

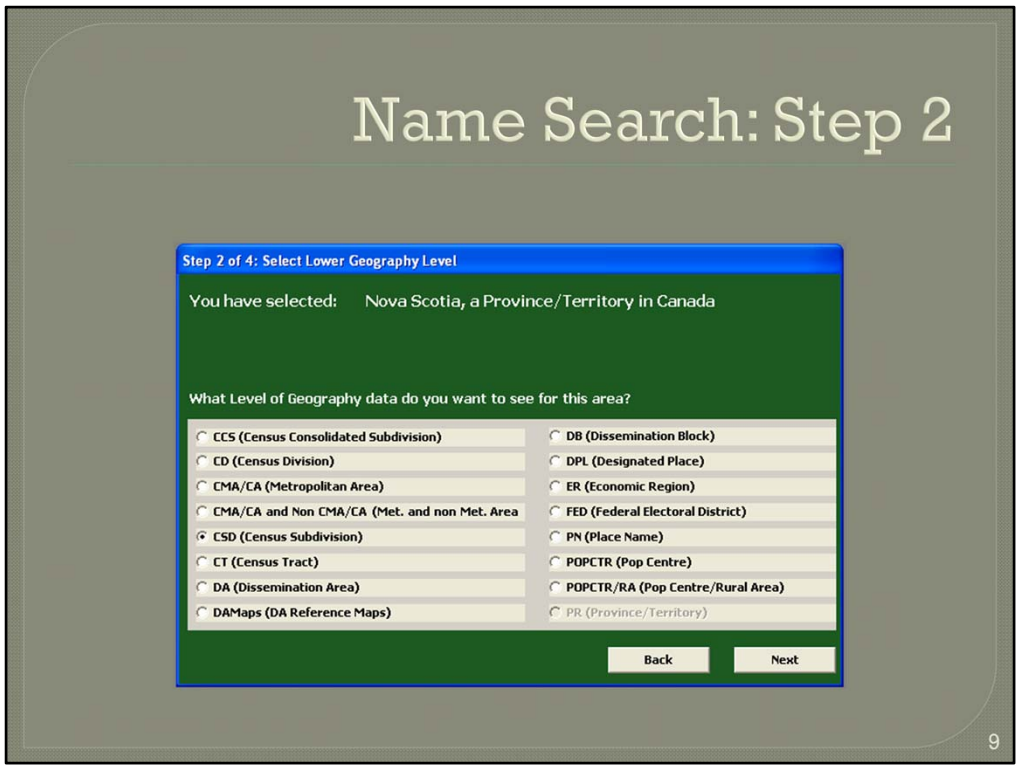
• CSD: CT reference list (all CSDs in a CMA or CA are listed, but not all will contain census tracts).

Step 2: Choose the place name from the list (varies depending on the level of geography)

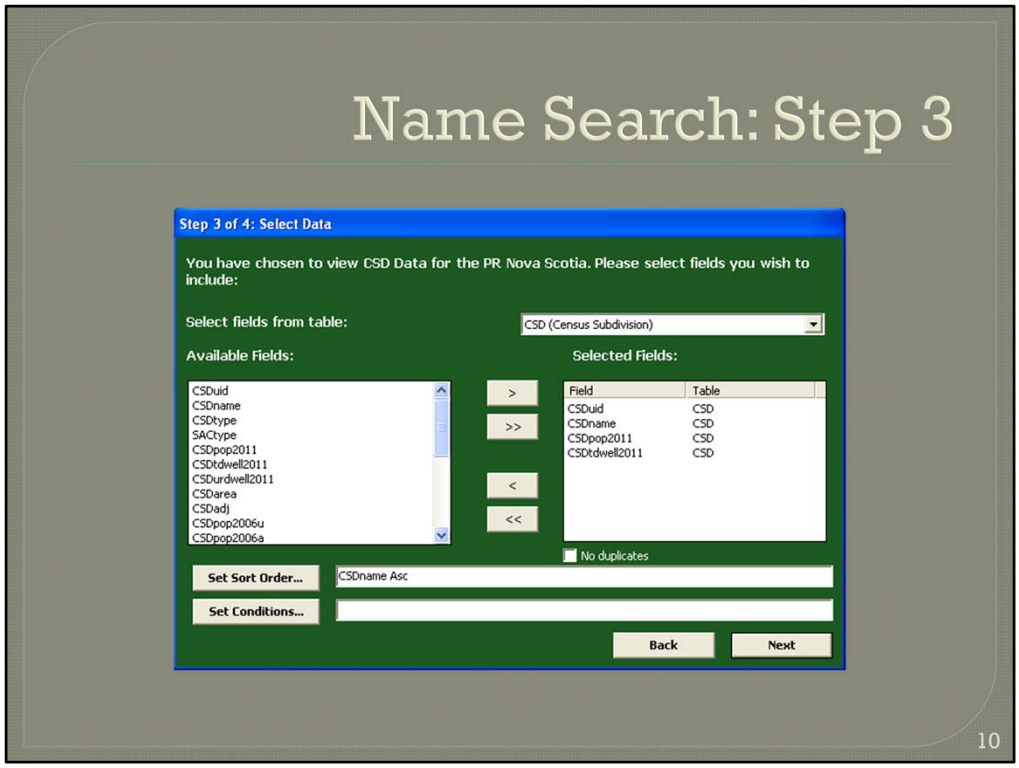
Step 3: View data: opens the report



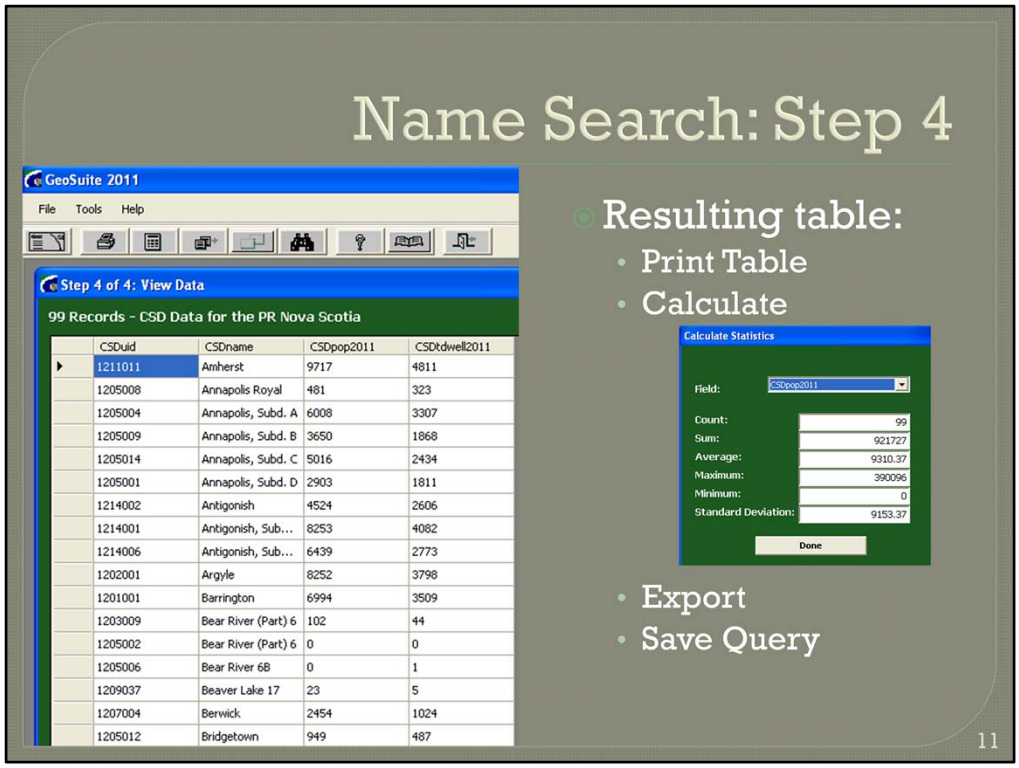
Name search has 4 steps.
Step 1: Type in Name of place.
Option to choose level of geography at top, or you can scroll through list.
Once you select the area, click Next.



Step 2: allows for further refinement of initial search.
Options available in Step 2 depend on the initial search. Only levels of geography that are lower than the initial geographic area will be displayed as an option. The rest will be grayed out.

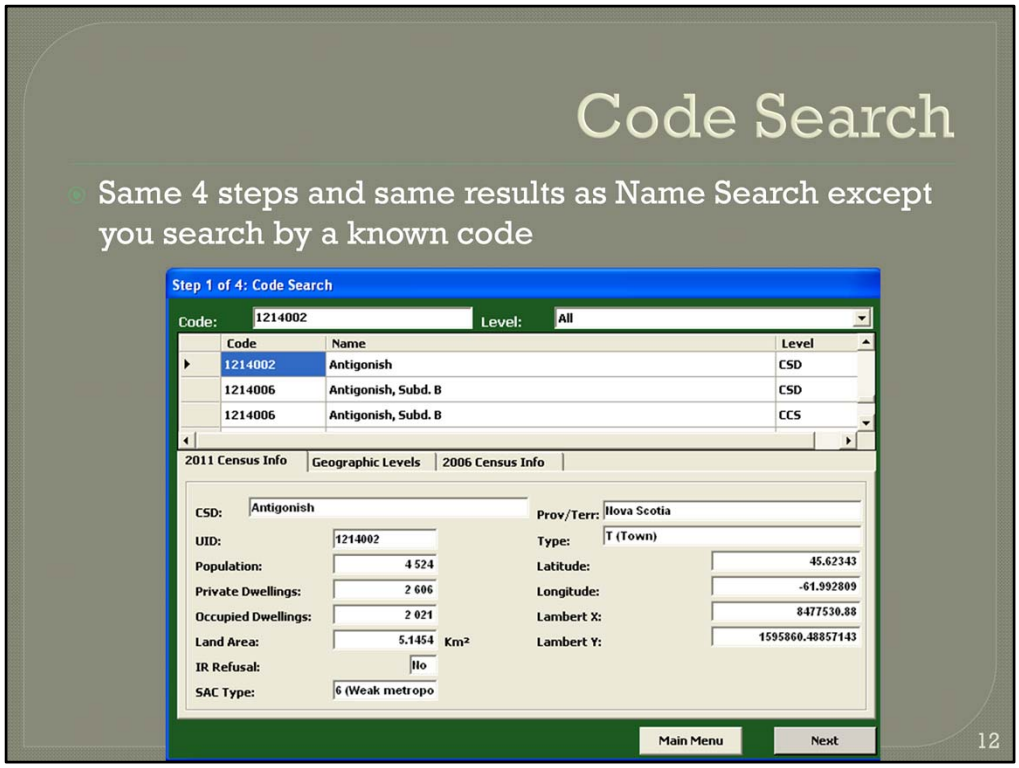


Step 3: Select the fields you want from the list on the left, and move them to the right. (UID, name, pop2011, dwelling count2011)
Option to **set the sort order** to determine the order of the fields displayed in your final report.
You have the option to **set conditions**: For example if you want to see only the CSDs with a specific population range.

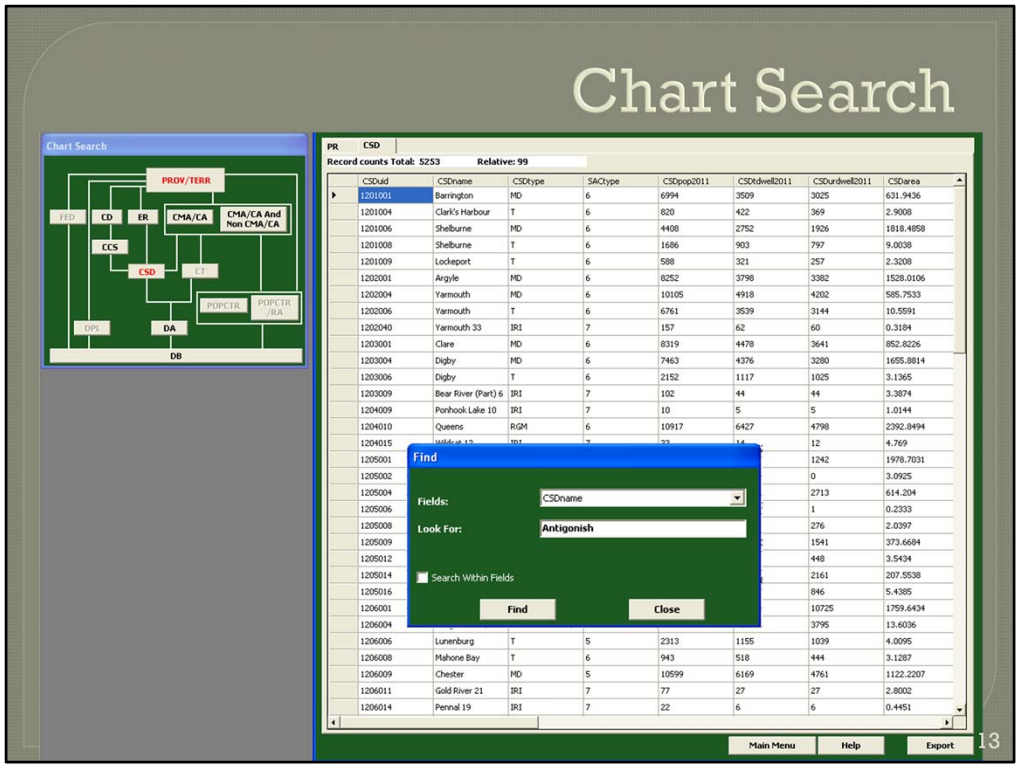


Step 4: Data results: with 4 fields selected, and in alphabetical order by place name the order was set. (default is in order of UID)
Options for resulting table (menu bar):

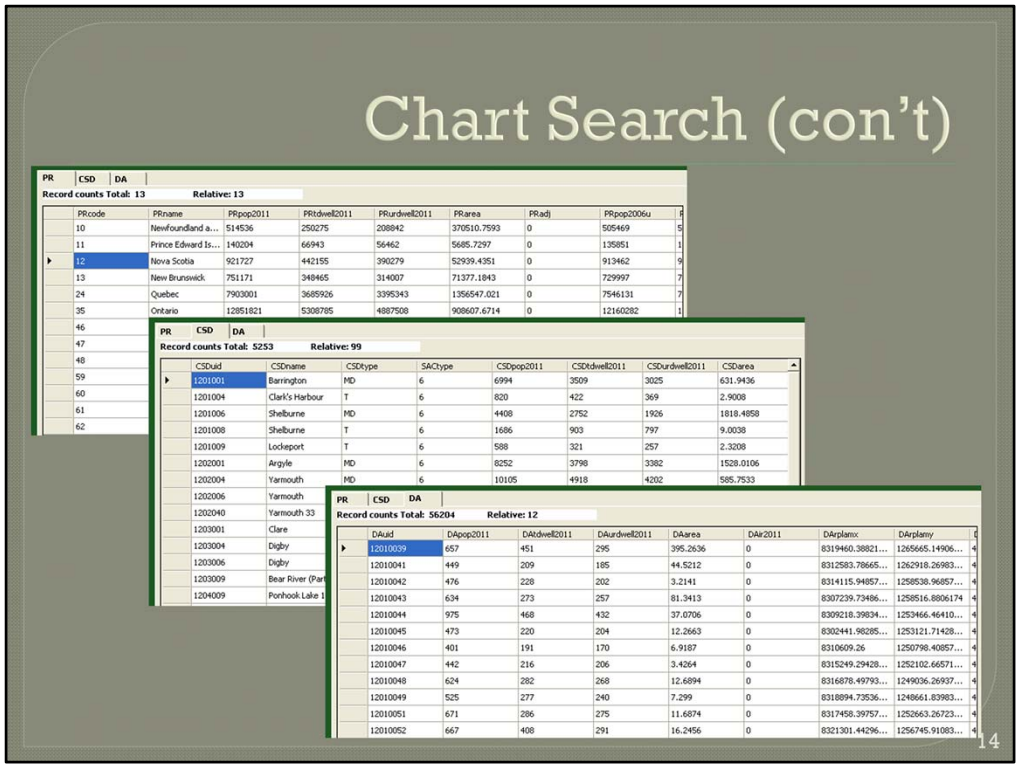
1. Print Table
2. Calculate: shows statistics for selected fields
3. Export (for use in another program – spreadsheet, GIS software)
4. Save Query (button at bottom of screen)



The **Code Search** is very similar to the Name Search. Which of these methods you choose depends on whether you know the name of the geography you want or the Statistics Canada geographic code.
These two searches are similar in look, and both require the same 4 step process.

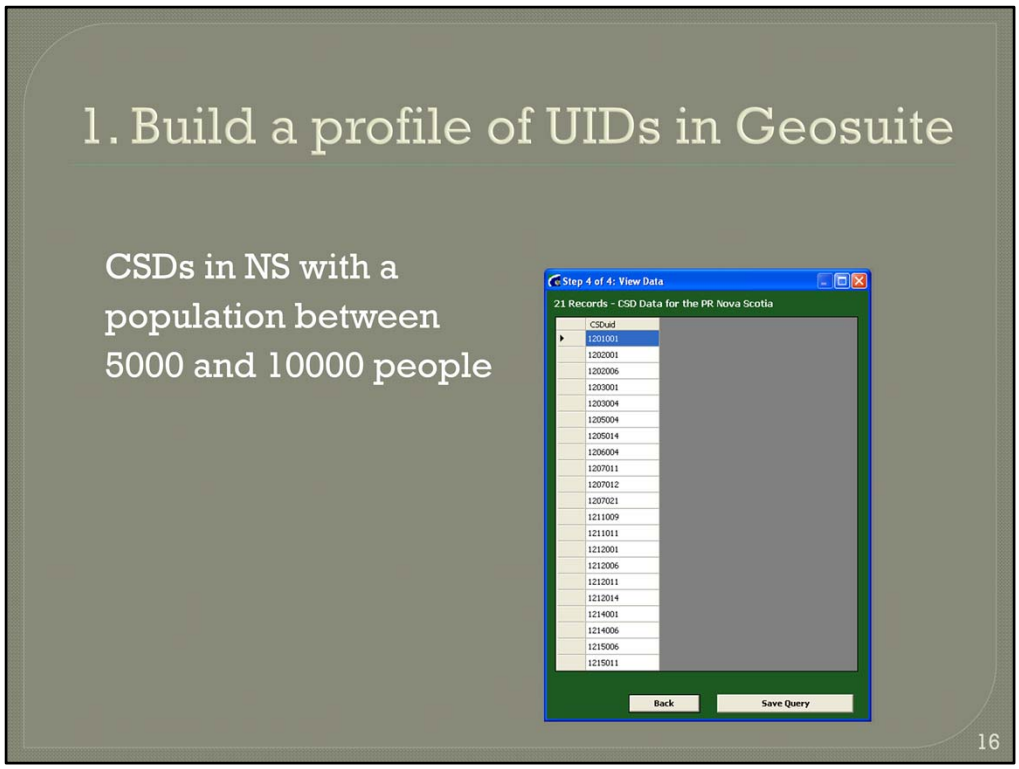


In the **Chart Search**, you select the level of geography you want from the chart on the left. It allows you to select various levels of geography simultaneously, all the while displaying the geographic hierarchy.
Each level selected shows up as a tab across the top of the table. The higher level chosen determines the results in the lower level.
You can also search fields rather than scrolling through.



The hierarchical search is meant to display all information within a given context. The tables which are displayed will vary depending on previous geographical areas selected.

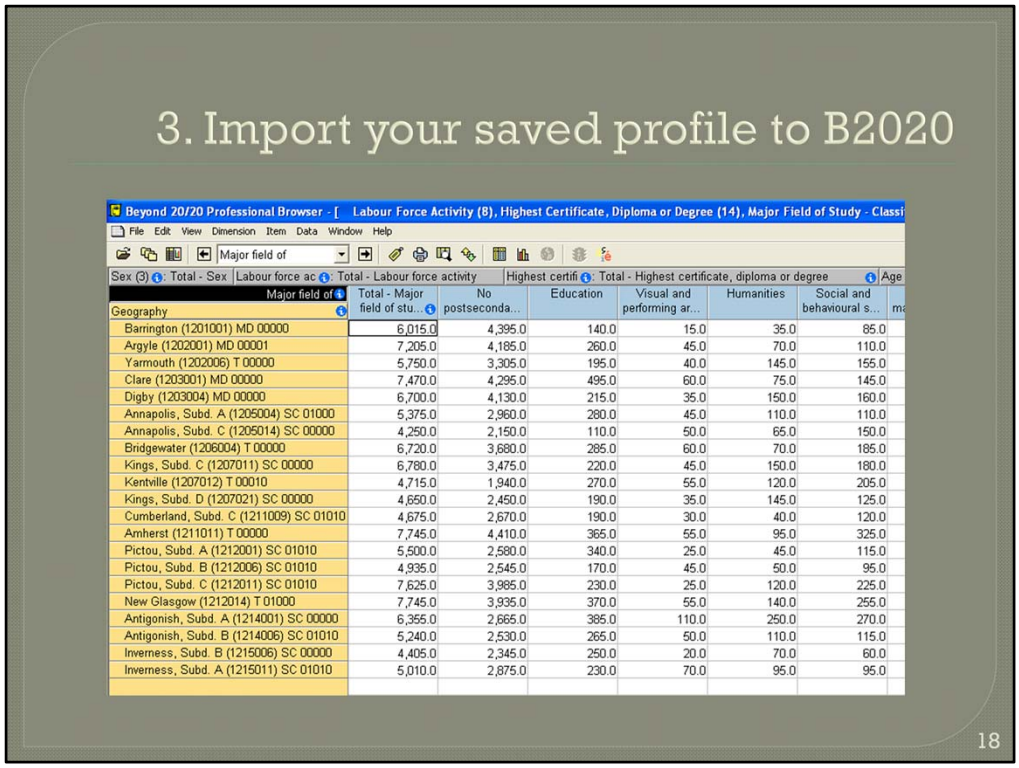
Example of how you can link to other Statistics Canada Products: Topic Based Tabulations. (2011 topic based tabulations are not available, so I used 2006 for this example.)



Similar to the Name Search shown previously:

- NS, CSDs, set condition of population between 5000 and 10000 people.
- Results: 21 CSDs
- At the View Data step, export the data and save the file.

On the Statistics Canada website, select Census, and go to Data products, Topic-based tabulations.
Select the topic of interest (Education: Major field of study)
Choose the file of interest (be sure it has the appropriate level of geography)



Once you import your saved profile of UIDs, you can view the data from the topic-based tabulation for the specific areas you chose.

New Terms in 2011

Previous Term	New Term	
	Population Centre	
Urban Area Population ≥ 1000 Population density ≥ 400/km^2	Small Population Centre	1,000 – 29,999
	Medium Population Centre	30,000 – 99,999
	Large Population Centre	≥ 100,000

- New attribute: **POPCTRRAclass**
  - Population centre and rural area class

Previous Term	New Term
	Place Name
Locality	Name and location information on local place names
	Includes: Census subdivisions (municipalities), designated places, population centres, and some local places

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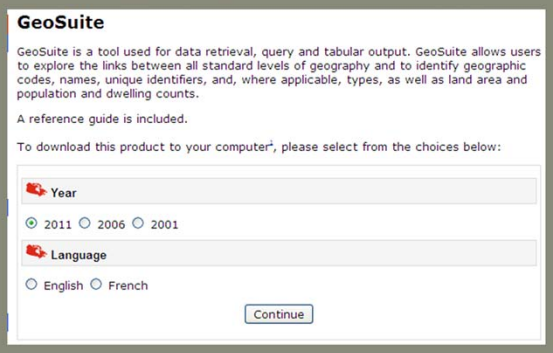
Format

- Not available on CD-ROM
- Free download from Statistics Canada
- http://www12.statcan.gc.ca/census-recensement/2011/geo/ref/geosuite-eng.cfm



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GeoSuite
2011 Census
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GéoSuite
Recensement de 2011
English
Français
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