PCensus DBX version 8.5

Resource Note #9 Community Social Profile Project September 2007

## Preface

- \* The Resource Note is intended to increase our understanding of and broaden our knowledge base on key subject areas that are fundamental in building our capacity in numeric and geographic analysis.
- \* It is not an in-depth or comprehensive discussion of the subject matter.
- \* It highlights certain relevant and important areas that deserve our attention and consideration.
- **≭** It is intended to be informal and informative.

#### Introduction

\* This is the 9<sup>th</sup> Resource Note, previous notes include:

- #1-Census Geography
- #2-Census Data
- #3-PCensus Database
- #4-Geocoding,
- # 5 Cartographic Principles
- #6 Thematic Mapping
- #7-2006 Census
- #8 Population Pyramid
- \* This is an update of Resource Note # 3 on using the PCensus Database Extractor (DBX) to build a datafile as input to ArcMap
- As part of our purchase agreement of the 2006 Census data from Tetrad Computer Applications Inc., a new version of PCensus Database Extractor (DBX) is provided. We have to use this version to extract data from the 2006 Census. It can also be used with our 2001 Census data package.

#### PCensus Database

- \* PCensus Database groups census variables into different categories (e.g. population by age and sex, marital status, citizenship and place of birth...).
- Census variables with the exception of some income data are available at the Dissemination Area (DA), Census Tract (CT), Census Subdivision (CSD), Census Division (CD) and Census Metropolitan Area/Census Agglomeration (CMA/CA) levels.
- However, as mentioned in Resource Note 1 Census Geography, the census variables are not readily available at the Census Division (CD) level, one has to manually group the component CSDs, CTs or DAs together.

#### PCensus DBX 8.5

- \* The major steps involved in the development of a datafile for input to ArcMap are very similar with the earlier version
- **\*** It has a different template layout
- \* New features include comparison among selected areas and also benchmarking
- \* For more detailed description and instructions, please refer to PCensus DBX Version 8.5 – User's Guide

## Seven Steps

(The City of Kingston is used as an example to illustrate the various steps)

- 1. Select Database/Template
- 2. Specify the Type of Area
- 3. Select the Area
- 4. Export Pointfile (optional)
- 5. Create the Profile
- 6. Compare with other Areas (optional)
- 7. Export a Pointfile

#### 1. Select Database/Template



#### New Predefined Study Area

- Click I to initiate a new predefined study area
- Use the Demographic
   Database pull-down list
   to select 2006 Census
   Release 2 [Ontario]
- Use the Data Template (if required) pull-down list to select 2006 Census Release 2

Community Social Profile Project Resource Note 9

# 2. Specify the Type of Area

| Predefined Stud<br>Select a datab         | y Area<br>ase and th | he type of predefined study area that you want to create.       |         |
|---|----------------------|---|---------|
| bbeville County                           | SC                   | 1. Select a Demographic Database:                               |         |
| cadia Parish<br>coomack County            | LA<br>VA             | 2006 Census: Release 2 [Ontario]                                | -       |
| ida County                                | ID                   | <ol> <li>Select a custom Data Template (if required)</li> </ol> |         |
| dair County                               | KY                   | 2006 Census: Release 2  | •       |
| dair County                               | MO                   | 3. Select a Predefined Area Type:                               |         |
| dair County<br>dams County<br>dams County | CO<br>D              | Province<br>Metro Area (CMA/CA)<br>Densus Subdivision (CSD)     | ^       |
| dams County<br>dams County<br>iken County | IL<br>IN<br>SC       | Census Tract (CT)<br>Census Tract (CT)<br>Postal ESA            | Silli S |
| itkin County<br>Jachua County             | MN<br>FL             | Dissemination Area (DA)<br>Dissemination Block (DB)             | *       |

The Predefined Area Type list shows the types of standard area available in the selected database

- Highlight Census
   Subdivision (CSD) for
   the City of Kingston and
   click Next>
- Or double-click CensusSubdivision (CSD)

Community Social Profile Project Resource Note 9

#### 3.Select the Area



The Predefined Study Area dialog box is used for selecting geographic areas from a list – in this case a list of Census Subdivisions (or municipalities). The small text box above the list is used for locating names in a long list

- Start typing the name Kin...into this box, The list scrolls to display the first name matches the letters you have typed
- Highlight Kingston and click Next>
- Or, you can enter the CSD code (3510010) and click Next>
- To make change, backspace on name or code

#### 3.Select the Area (cont'd)

#### Study Area Wizard

#### Predefined Study Area

Run the Report Wizard to guide you through the steps of creating a demographics report.

| Abbeville County<br>Acadia Parish | SC<br>LA | Select one or i                | more CSDs                       |           | or Load     | from File |
|-----------------------------------|----------|--------------------------------|---------------------------------|-----------|-------------|-----------|
| Accomack County<br>Ada County     | VA<br>ID | Kingston                       | CSD                             |           | O C         | SD Code   |
| Adair County<br>Adair County      | IA<br>KY | Kingston (CY<br>Kingsville (T) | '), ON<br>, ON                  |           |             |           |
| Adair County<br>Adair County      | МО<br>ОК | Kirkland Lak<br>Kitchener (C   | e (T), ON<br>Y), ON             |           |             |           |
| Adams County<br>Adams County      | CO<br>ID | Kitchenuhma<br>La Vallee (Tf   | aykoosib Aaki 84 (<br>°), ON    | Big Trout | : Lake) (IF | RI), ON   |
| Adams County<br>Adams County      | IL<br>IN | Lac des Mille<br>Lac Seul 28   | e Lacs 22A1 (IRI),<br>(IRI), ON | ON        |             |           |
| Aiken County<br>Aitkin County     | SC<br>MN | Laird (TP), O<br>Lake Helen !  | N<br>53A (IRI), ON              |           |             | -         |
| Alachua County                    | FL       |                                |                                 |           |             |           |
| < Ba                              | ick      | Next>                          | Finish                          | Can       | icel        | Help      |

Or you might load a list of geographic areas previously saved from your file

 See next page for saving a list of geographic areas (CSDs, CTs and DAs)

Community Social Profile Project Resource Note 9

## 3. Select the Area (Cont'd)

| Abbeville County<br>Acadia Parish<br>Accomack County<br>Adair County<br>Adair County<br>Adair County<br>Adair County<br>Adair County<br>Adams County<br>Adams County<br>Adams County<br>Adams County<br>Adams County<br>Adams County | SC<br>LA<br>VA<br>ID<br>IA<br>KY<br>MO<br>OK<br>CO<br>ID<br>IL<br>IN<br>SC | Kingston (CY), ON |              | Add<br>Anoth<br>Dele |
|--|--|-------------------|--------------|----------------------|
| Aitkin County  | MN   | Load from File    | Save to File | r i                  |

This dialog box summarizes the areas selected for our study At this point we could click **Add Another** to return to the previous dialog box – for example, we might add the Township of South Frontenac to the list to create a profile for the total of two municipalities (CSDs)

 You could save a list of geographic areas to a file for future use (Save to File)

✗ Click Next>

#### 3. Select the Area (cont'd)

| Study Area Wizar   | d  | ×                          |
|--|--|----------------------------|
| Predefined Study Area<br>Select the area(s) that ye<br>right to navigate into a s  | ou want to use in your predefined study are<br>ingle area selected in the list.  | ea. Use the buttons on the |
| Abbeville CountySCAcadia ParishLAAccomack CountyVAAda CountyIDAdair CountyIAAdair CountyKYAdair CountyMOAdair CountyMOAdair CountyMOAdair CountyMOAdair CountyMOAdair CountyDAdams CountyIDAdams CountyIDAdams CountyILAdams CountyINAitkin CountyMNAlachua CountyFL | Select one or more CTs<br>Kingston CMA C<br>Kingston, ON<br>Kitchener, ON<br>Kitimat, BC<br>La Tuque, PQ<br>Lachute, PQ<br>Lochute, PQ | or Load from File          |
| < Back   | Next > Finish Ca   | ancel Help                 |

One can also define a study area by grouping CTs or DAs

- For example, an area consists of four CTs in Kingston can be defined by:
- Return to Step 2 and highlightCT as Predefined Study Area

#### Enter Kingston

- The CMA/CA code for Kingston (35521) will appear in the box
- Click the CT button and the list of all CTs in Kingston will appear

#### 3. Select the Area (cont'd)

| Study Area Wizar  | d  |                        |
|---|--|------------------------|
| Predefined Study Area<br>Select the area(s) that yo<br>right to navigate into a sir   | u want to use in your predefined study area.<br>ngle area selected in the list.  | Use the buttons on the |
| Abbeville County SC<br>Acadia Parish LA<br>Accomack County VA   | Select one or more CTs   | or Load from File      |
| Adair County ID<br>Adair County IA<br>Adair County IXY<br>Adair County IXY<br>Adair County OK<br>Adams County OK<br>Adams County ID<br>Adams County IL<br>Adams County IL<br>Adams County SC<br>Aitkin County MN<br>Alachua County FL | Image: Construction         Child           10001:00         0002:00           0002:00         0003:00           0005:00         0005:00           0005:00         00000:00           0005:00         0000:00           0005:00         0000:00           0005:00         0000:00           0005:00         000:00           0005:00         000:00           0000:00         000:00 | CMA<br>CT<br>CT        |
| < Back [  | Next> Finish Canc  | el Help                |

#### Predefined Study Area Selection

**Study Area Wizard** 

Check the areas that you have selected to use in your predefined study area. Click on "Back" to add more areas to this list.

| Abbeville County<br>Acadia Parish<br>Accomack County<br>Ada County<br>Adair County<br>Adair County           | SC<br>LA<br>VA<br>ID<br>IA             | CMA<br>35521<br>35521<br>35521<br>35521<br>35521 | CT 0001.00<br>0002.00<br>0003.00<br>0004.00 | Add<br>Another  |
|--|--|--|---|-----------------|
| Adair County<br>Adair County<br>Adams County<br>Adams County<br>Adams County<br>Adams County<br>Aiken County | MO<br>OK<br>CO<br>ID<br>IL<br>IN<br>SC |  |   | Delete<br>Clear |
| Aitkin County<br>Alachua County<br>< Ba  | FL                                     | Load from File Next > Finish                     | Save to File                                | Help            |

- Highlight the CTs to be included
- Click the Next> button
- The four CT codes will appear in the box below
- Click the Save to File button and save the data to a Userfile

#### 3. Select the Area (cont'd)

| Save StudyAre                     | a as File                   |                                  |           | ? 🛛            |
|-----------------------------------|-----------------------------|----------------------------------|-----------|----------------|
| Save in:                          | 🗀 User Files                |                                  | - + E 💣 🗉 | +              |
| My Recent<br>Documents<br>Desktop | BurlingtonCT.               | .CT<br>List.CT<br>Census.CT<br>T |           |                |
| My Documents                      |                             |                                  |           |                |
| My Computer                       |                             |                                  |           |                |
| My Network<br>Places              | File name:<br>Save as type: | Census Tract List                | <b>•</b>  | Save<br>Cancel |

 Enter a file name in the Save Study Area as File box

\* Once saved, one can retrieve the geographic area (i.e. four census tracts) by loading and opening the file

## 4. Export Pointfile (Optional)

| Ехр  | ort Pointf<br>Pointfiles e<br>pointfile, cl<br>Double-Clia | <b>ile (Optic</b><br>xport demo<br>ick on the<br>ck on a Ca | o <b>nal)</b><br>ographi<br>box be<br>tegory | ic data for<br>low and cl<br>to view/ed | each da<br>heck the<br>dit the ex | ita "point"<br>Categori<br>(port optic | '' in you<br>ies tha<br>ons. | ur study ar<br>t you wani | rea. To<br>t to exp | ) create a<br>)ort. |  |
|------|--|---|--|---|-----------------------------------|--|------------------------------|---------------------------|---------------------|---------------------|--|
| Stat | e Xcoord   | Ycoord  | Pr   | Chook                                   | this hou                          | to ouport                              | to one                       |                           | Pointfilo           | Tables              |  |
| 4K   | -151.647   | 65.286  | E '  | CHECK                                   | unis Dox                          | to export                              |                              |                           | ornune              |                     |  |
| 4L   | -86.719  | 32.845  | 45   |   |                                   |  |                              |                           |                     |                     |  |
| 48 - | 92.311_  | 34.770  | 26   |   |                                   |  |                              |                           |                     |                     |  |
| ΔZ   | -112.554   | 34,595  | 52   |   |                                   |  |                              |                           |                     |                     |  |
| CA   | -119.765   | 37.220  | 4  |   |                                   |  |                              |                           |                     |                     |  |
| CO   | -105.714   | 39.117  | 4:   |   |                                   |  |                              |                           |                     |                     |  |
| CT   | -72.735  | 41.807  | 3(   |   |                                   |  |                              |                           |                     |                     |  |
| DC   | -77.016  | 38,905  | 2  |   |                                   |  |                              |                           |                     |                     |  |
| DE   | -75.503  | 39.097  |  |   |                                   |  |                              |                           |                     |                     |  |
| FL   | -82.468  | 28.553 1  | 62   |   |                                   |  |                              |                           |                     |                     |  |
| GΑ   | -83.426  | 32.666  | 82   |   |                                   |  |                              |                           |                     |                     |  |
| HI   | -156.948   | 21.226  | 12   |   |                                   |  |                              |                           |                     |                     |  |
| A    | -93.466  | 42.037  | 28   |   |                                   |  |                              |                           |                     |                     |  |
| n    | 1444.004   | i e e consti  | 4.4  |   |                                   |  |                              |                           |                     |                     |  |

The Export Pointfile (Optional) dialog box controls the export data from PCensus for use in other applications # For now, clear the check-box to bypass this step **\*** Click **Finish** 

## 5. Create the Profile

| Study Area Wizard  | ×      |
|--|--------|
| Search Study Area<br>Click on the "Search Now" button to search the study area and display the results in your r | eport. |
| Study Title: Kingston (CY), DN   |        |
| You are now ready to search the study area.<br>Click on "Search Now" to start the search.                        |        |
| < Back Next> Search Now Cancel Help  |        |

The Search Study Area dialog box is displayed when we are ready to create the profile The **Study Title** box can be used to change the name associated with the profile (e.g. City of Kingston)

Click Search Now to display the profile

#### 5. Create the Profile

| 🕯 PCensus - PCensus I   | )Bx 📃 🗆 🔀                             |
|---|---------------------------------------|
| File Edit StudyArea Help  |                                       |
| 🚰 🖶 👍 🐴   | 8                                     |
| Study Area:   | Benchmark:                            |
| Kingston (CY), ON   | - No Benchmark Selected               |
| 🖀 Profile   |                                       |
| 2006 Census<br>Population and Dwelling<br>Counts  | Kingston (CY), ON                     |
| 2006 Population   | 117,207                               |
| 2001 Population*  | 114,196                               |
| 2001-2006 Population Change*<br>Persons<br>Percent  | 3,013<br>2.6%                         |
| 2006 Private Dwellings<br>Occupied by Usual Residents*  | 53,838<br>48,864                      |
| Land Area, sq km  | 450.4                                 |
| Persons per sq km<br>Dwellings per sq km  | 260.2<br>119.5                        |
| 2006 Population and dwelling counts in<br>this category represent actual<br>(unsuppressed) data. In all other<br>categories, data are subject to rounding<br>or suppression by Statistics Canada. |                                       |
| * Data is not available for dissemination<br>areas, blocks and user-defined areas<br>(circles, polygons and drive-times)  |                                       |
|   |                                       |
|   |                                       |
|   |                                       |
|   |                                       |
| ▲ ▼ Category 1 of 4   | · · · · · · · · · · · · · · · · · · · |
| Ready   |                                       |

Once you have defined a study area, you can view all of the available profile reports for the area without conducting another search

 Select the various reports using the Category Selector

Category 1 of 4
 Click the up or down arrow to cycle through the reports or click

to select from a list

#### 5. Create the Profile

| 🖪 🚔 👎 👎 🔻  | 1 12 8                                    |                            |
|--|---|----------------------------|
| Study Area:  | Bench                                     | hmark:                     |
| Kingston (CY), ON  | - No E                                    | Benchmark Selected         |
| 旝 Profile  |   |                            |
| 2006 Census<br>Population by Age and Sex   | Kingston (CY),                            | , ON                       |
| 2006 Population by Sex   | 117,205                                   | *                          |
| Males<br>Females   | 56,525<br>60,680                          | 48%<br>52%                 |
| 2006 Population by Age   | 117,205                                   |                            |
| 0 to 4 years<br>5 to 9 years<br>10 to 14 years<br>15 to 19 years<br>20 to 24 years     | 5,610<br>5,865<br>7,010<br>7,785<br>9,510 | 5%<br>5%<br>6%<br>7%<br>8% |
| 25 to 29 years<br>30 to 34 years<br>35 to 39 years<br>40 to 44 years<br>45 to 49 years | 8,215<br>6,955<br>7,620<br>9,255<br>9,070 | 7%<br>6%<br>7%<br>8%<br>8% |
| 50 to 54 years<br>55 to 59 years<br>60 to 64 years<br>65 to 69 years<br>70 to 74 years | 8,255<br>7,545<br>5,975<br>4,780<br>4,435 | 7%<br>6%<br>5%<br>4%<br>4% |
| 75 to 79 years<br>80 to 84 years<br>85 years and over                                  | 3,860<br>3,100<br>2,360                   | 3%<br>3%<br>2%             |
| 65 years and over  | 18,535                                    | 16%                        |
| Average age<br>Median age<br>Dominant age group  | 40.1<br>40.0<br>20 to 24 years            |                            |

Category 3 shows a distribution of age groups for the City of Kingston Next, we will add a column to compare the age distribution of Kingston with that of a specific Census Tract in Kingston

Click the New Predefined
 Study Area

4

To start defining another area

### 6. Compare with another area

| Abbeville Dounly SD<br>Acadia Parish LA   | Select one or more CTs  | or Load from File |
|---|---|-------------------|
| Adai County ID<br>Adair County IA<br>Adair County IA<br>Adair County KY<br>Adair County OK<br>Adair County OK<br>Adams County ID<br>Adams County ID<br>Adams County IN<br>Aiken County SC<br>Aitkin County MI | 0001.01 (* CT<br>0001.01<br>0001.01<br>0002.01<br>0002.02<br>0002.03<br>0002.04<br>0002.04<br>0002.04<br>0002.06<br>0002.07<br>0002.08<br>0003.00 |                   |

💥 Follow Step 3 to select a Census Tract in Kingston for comparison **\*** Select CT 0001.00 # Click Next> 💥 Click **Finish** Click Search Now as before

#### 6. Compare with another area (cont'd)

| 🛼 🕒 🦊 🖊  | ? 🙀 ?                                     |                            |                                 |                             |      |
|--|---|----------------------------|---------------------------------|-----------------------------|------|
| Study Area:  | Bench                                     | mark:                      |                                 |                             | -    |
| 35521  | 👻 No I                                    | Benchmar                   | k Selected                      |                             |      |
| 旝 Profile  |   |                            |                                 |                             |      |
| 2006 Census<br>Population by Age and Sex   | Kingston (CY),                            | ON                         | 35521 0001.00                   |                             |      |
|  |   | %                          |                                 | %                           |      |
| 2006 Population by Sex   | 117,205                                   |                            | 2,855                           |                             |      |
| Males<br>Females   | 56,525<br>60,680                          | 48%<br>52%                 | 1,260<br>1,595                  | 44%<br>56%                  |      |
| 2006 Population by Age   | 117,205                                   |                            | 2,855                           |                             | - 22 |
| 0 to 4 years<br>5 to 9 years<br>10 to 14 years<br>15 to 19 years<br>20 to 24 years     | 5,610<br>5,865<br>7,010<br>7,785<br>9,510 | 5%<br>5%<br>6%<br>7%<br>8% | 30<br>25<br>35<br>110<br>365    | 1%<br>1%<br>1%<br>4%<br>13% |      |
| 25 to 29 years<br>30 to 34 years<br>35 to 39 years<br>40 to 44 years<br>45 to 49 years | 8,215<br>6,955<br>7,620<br>9,255<br>9,070 | 7%<br>6%<br>7%<br>8%<br>8% | 435<br>190<br>125<br>140<br>130 | 15%<br>7%<br>4%<br>5%<br>5% |      |
| 50 to 54 years<br>55 to 59 years<br>60 to 64 years<br>65 to 69 years<br>70 to 74 years | 8,255<br>7,545<br>5,975<br>4,780<br>4,435 | 7%<br>6%<br>5%<br>4%       | 180<br>180<br>160<br>125<br>155 | 6%<br>6%<br>6%<br>4%<br>5%  |      |
| 75 to 79 years<br>80 to 84 years<br>85 years and over                                  | 3,860<br>3,100<br>2,360                   | 3%<br>3%<br>2%             | 145<br>190<br>130               | 5%<br>7%<br>5%              |      |
| 65 years and over  | 18,535                                    | 16%                        | 745                             | 26%                         | 1    |
| Average age<br>Median age<br>Dominant age group  | 40.1<br>40.0<br>20 to 24 years            |                            | 46.7<br>43.9<br>25 to 29 years  |                             | 4    |

The **Profile** tab now contains two columns for our two study areas (City of Kingston and CT0001.00 in Kingston)

Community Social Profile Project Resource Note 9

#### 7. Export a Pointfile

| E xpo<br>F<br>C | Pointfiles e<br>pointfile, cli<br>ouble-Clia | <b>ile (Upti</b><br>xport dem<br>ick on the<br>ck on a C | onalj<br>iograp<br>: box l<br>atego | J<br>shic data for each data "point" in your study area. To create a<br>below and check the Categories that you want to export.<br>ry to view/edit the export options. |
|-----------------|--|--|-------------------------------------|--|
| State           | Yeoord                                       | Yeoord   | P                                   | _ :=:::::::::::::::::::::::::::::::::::  |
| AK              | -151 647                                     | 65 286   | -                                   | Uneck this box to export to one or more Pointfile Tables   |
| AL              | -86.719                                      | 32,845   | 45                                  |  |
| AB              | -92.311                                      | 34,770   | 26                                  |  |
| AZ              | -112.554                                     | 34:595   | 52                                  |  |
| CA              | -119.765                                     | 37.220   | 348                                 |  |
| CO              | -105.714                                     | 39.117   | 4:                                  |  |
| CT              | -72.735                                      | 41.807   | 3:                                  |  |
| DC              | -77.016                                      | .38,905  | 2                                   |  |
| DE              | -75.503                                      | 39.097   | 1                                   |  |
| FL              | -82.468                                      | 28.553   | 162                                 |  |
| GA              | -83.426                                      | 32.666   | 82                                  |  |
| HI              | -156.948                                     | 21.226   | 12                                  |  |
| IA              | -93.466                                      | 42.037   | 28                                  |  |
| 10              | 1444.004                                     | 11000  |                                     |  |

\* As shown in Step 4, check Next> to advance to the Export Pointfile (Optional) dialog box

## 7. *Export a Pointfile (cont'd)*

| P     | Pointfiles e<br>iointfile, cl<br>)ouble-Cli | xport dem<br>ick on the<br>ck on a C | iogra<br>box<br>ateg | phic data for each c<br>below and check th<br>ory to view/edit the c | lata "point" in<br>ne Categories<br>export options | your study area. T<br>that you want to ex               | o create a<br>port. |
|-------|---|--------------------------------------|----------------------|--|--|---|---------------------|
| State | Xcoord                                      | Ycoord                               | P                    | Check this bo  | u to ourort to                                     | one or more Paintfil                                    | o Tobloo            |
| AK    | -151.647                                    | 65.286                               | F                    | I€ CHECK this bo   | x to export to                                     | one of more r origin                                    |                     |
| AL.   | -86.719                                     | 32.845                               | 4!                   | Database Type:   | dBASE  |   | -                   |
| AR    | -92.311                                     | 34.770                               | 28                   | Database Falder  |  | 0101 B  |                     |
| AZ    | -112.554                                    | 34,595                               | 52                   | Database Folder:   | \Kingston  | CY UN <dissemina< td=""><td>tion Area</td></dissemina<> | tion Area           |
| CA    | -119.765                                    | 37.220                               | 348                  | Export Categories  |  |   |                     |
| CO    | -105.714                                    | 39.117                               | 4:                   | 2006 Census  | Population ar                                      | d Dwelling Counts                                       |                     |
| CT    | -72.735                                     | 41.807                               | 3.                   | 2006 Census  | Population by                                      | Age and Sex Comp  | parison             |
| DC    | -77.016                                     | 38,905                               | 2                    | 2006 Census  | Population by                                      | Age and Sex   |                     |
| DE    | -75.503                                     | 39.097                               | 3                    | Data Quality   | 10.000.000.000.000000000                           | 0.00 <del>0</del> 08080808080808                        |                     |
| FL    | -82.468                                     | 28.553                               | 162                  |  |  |   |                     |
| GA    | -83.426                                     | 32.666                               | 82                   |  |  |   |                     |
| HI    | -156.948                                    | 21.226                               | 12                   |  |  |   |                     |
| ΙA.   | -93.466                                     | 42.037                               | 2{                   | 1 Table(s) will be   | created.   |   |                     |
| 15    | 1   |                                      | -25                  |  |  |   |                     |
|       |   | < Back                               | Ĩ                    | Next>  | Finish   | Cancel  | Help                |

- Check the box to create aPointfile to display thepoinfile options
- The pointfile will be created with a default name and location as shown, If you want to change these:
- Click Database Folder
   box to specify a filename
   and location for the
   exported data

## 7. Export a Pointfile (cont'd)

|   | Export | Description Field Name Type |           | Width   | Dec. | - |   |
|---|--------|-----------------------------|-----------|---------|------|---|---|
| 8 | V      | 2006 Population             | POP06     | Numeric | 12   | 0 | ÷ |
|   | V      | 2001 Population*            | POP01     | Numeric | 12   | 0 | 4 |
|   | V      | Persons                     | PERSCHG   | Numeric | 12   | 0 | 4 |
|   | V      | Percent                     | PCTCHG    | Numeric | 12   | 0 | 1 |
|   | V      | 2006 Private Dwellings      | DWELL06   | Numeric | 12   | 0 | 2 |
|   | V      | Occupied by Usual Resider   | DWELL06UR | Numeric | 12   | 0 | 2 |
|   | V      | Land Area, sg km            | AREA      | Numeric | 12   | 0 | 1 |
|   | V      | Persons per sq km           | PERSQKM   | Numeric | 12   | 0 |   |
|   | V      | Dwellings per sa km         | DWSOKM    | Numeric | 12   | 0 | - |

 Double-click a category to display the Export File Structure dialog box

> This dialog box allows us to modify the structure of the exported pointfile. For example, we could change the variable name . We can also clear selected check-boxes in the **Export** column to reduce the number of variables that are exported

#### 💥 Click **OK**

#### ArcMap joins the pointfile and shapefile together to produce a map



September 2007

Resource Note 9

#### What Have We Learned?

Steps to extract data from PCensus Database, including:

- Define study area a census geographic area, grouping of Census Subdivisions and Census Tracts
- Select target type such as Census Tracts or Dissemination Areas
- Create a profile
- Compare with another area
- Export pointfile

#### Any questions or comments?

Please contact me at: Richard Lau GIS Project Coordinator Community Social Profile Project Email: <u>richard.lau@spno.ca</u> Phone: 905-632-1975, 878-0955 Fax: 905-632-0778

Thank You