



GeoSuite as a Tool in Creating Custom .csv Files from B20/20

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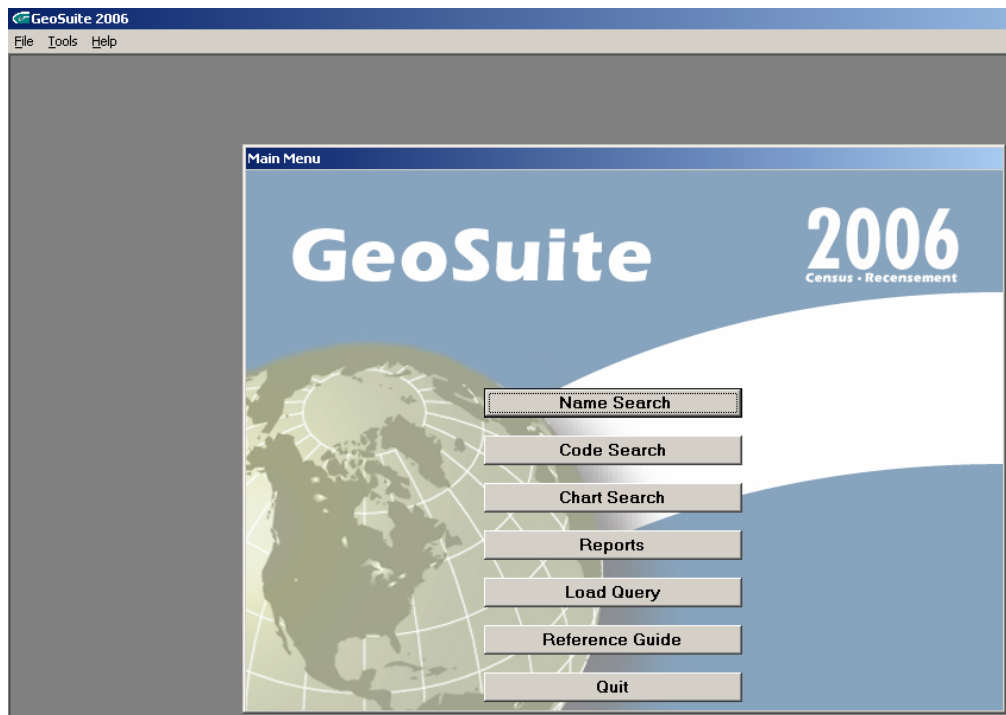
You would like to extract data in .csv format from a B20/20 file, but you want to customize the file to display only data from particular geographies. You just want all the census divisions in Canada, or all strong MIZs in Alberta, or all urban areas in Manitoba, or all Indian reserves in BC, or all communities of a particular size in Saskatchewan. Sound complicated? Not with GeoSuite around!

In this exercise, we will accomplish the following:

1. Build a profile of UIDs of census subdivisions (CSDs) in British Columbia that have a population within a set range.
2. Import that profile into a B20/20 topic-based tabulations table.
3. Use the profile to create a data subset.
4. Select and save data as a .csv file.

Building a profile of UIDs from GeoSuite

1. From the GeoSuite 2006 main screen, click on **Name Search**.



2. You will see this screen. Type in **British Columbia**, select the Province (PR), and click on **Next**.

Step 1 of 4: Name Search

Name: Level:

Name	Code	Level
British Columbia	59	PR
British Columbia Rural Area	599959	UA
British Columbia Southern Interior / Colombie-Britannique-Southern Interior	59026	FED
British Harbour	001331	LOC

2006 Census Info | Geographic Levels | 2001 Census Info

Prov/Terr:

UID:

Population:

Private Dwellings:

Occupied:

Land Area: Km²

IR Refusal:

3. Select the **CSD (Census Subdivision)** radio button, and click on **Next**.

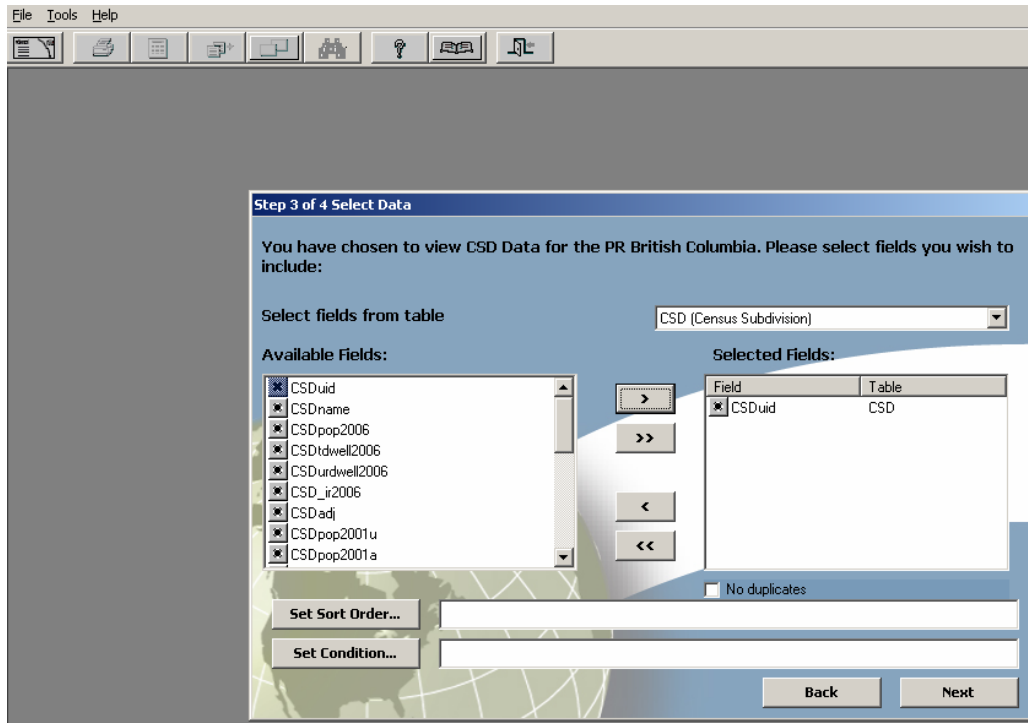
Step 2 to 4: Select Lower Geography Level

You have selected: British Columbia, a Province/Territory in Canada

What Level of Geography data do you want to see for this area ?

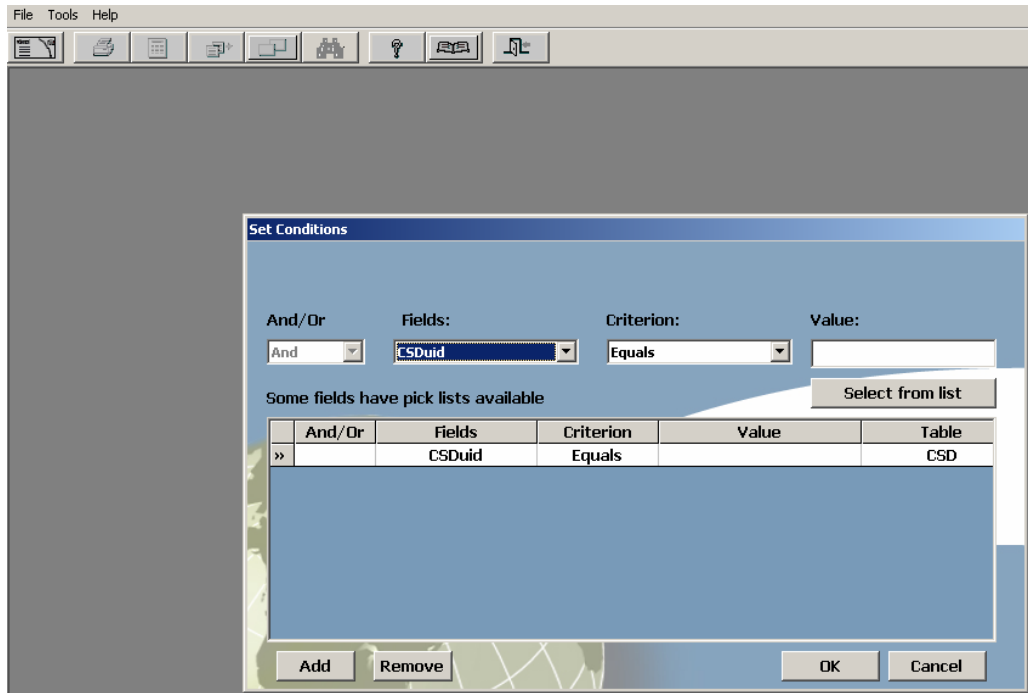
- ☐ DB (Dissemination Block)
- ☐ CD (Census Division)
- ☐ CCS (Census Consolidated Subdivision)
- ☐ CMA/CA (Metropolitan Area)
- ☐ CMA/CA and Non CMA/CA (Met. and non Met. Area)
- ☒ CSD (Census Subdivision)
- ☐ CT (Census Tract)
- ☐ DA (Dissemination Area)
- ☐ DAMaps (DA Reference Maps)
- ☐ DPL (Designated Place)
- ☐ ER (Economic Region)
- ☐ FED (Federal Electoral District)
- ☐ LOC (Locality)
- ☐ PR (Province/Territory)
- ☐ UA (Urban Area)
- ☐ UA/RA by province/territory

4. Select CSDuid, and use the > button to copy your selection to the **Selected Fields** box.



You will now use **Set Condition...** to select only CSDs of a particular size.

5. Click on **Set Condition...**



6. From the **Fields** drop-down menu, select **CSDpop2006**. From the **Criterion** drop-down menu, select **>=**. Enter **5000** into the **Value** box. Click on **Add**.

File Tools Help

And/Or Fields: Criterion: Value:

And CSDpop2006 >=

Select from list

And/Or	Fields	Criterion	Value	Table
And	CSDpop2006	>=	5000	CSD

Add Remove OK Cancel

7. From the **Fields** drop-down menu, select **CSDpop2006**. (You must actually select it again for it to be entered.) From the **Criterion** drop-down menu, select **<=**. Enter **15000** into the **Value** box. Click on **OK**.

File Tools Help

Step 3 of 4 Select Data

You have chosen to view CSD Data for the PR British Columbia. Please select fields you wish to include:

Select fields from table CSD (Census Subdivision)

Available Fields:

- ☒ CSDuid
- ☒ CSDname
- ☒ CSDpop2006
- ☒ CSDtdwell2006
- ☒ CSDdurdwell2006
- ☒ CSD_ir2006
- ☒ CSDadj
- ☒ CSDpop2001u
- ☒ CSDpop2001a

Selected Fields:

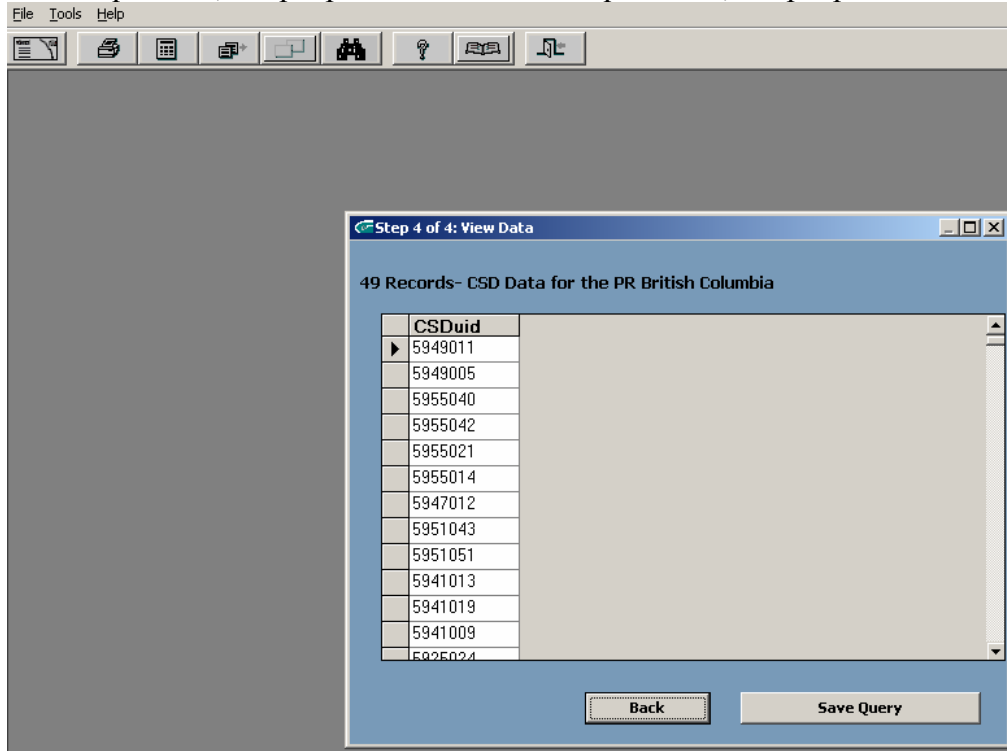
Field	Table
☒ CSDuid	CSD

No duplicates

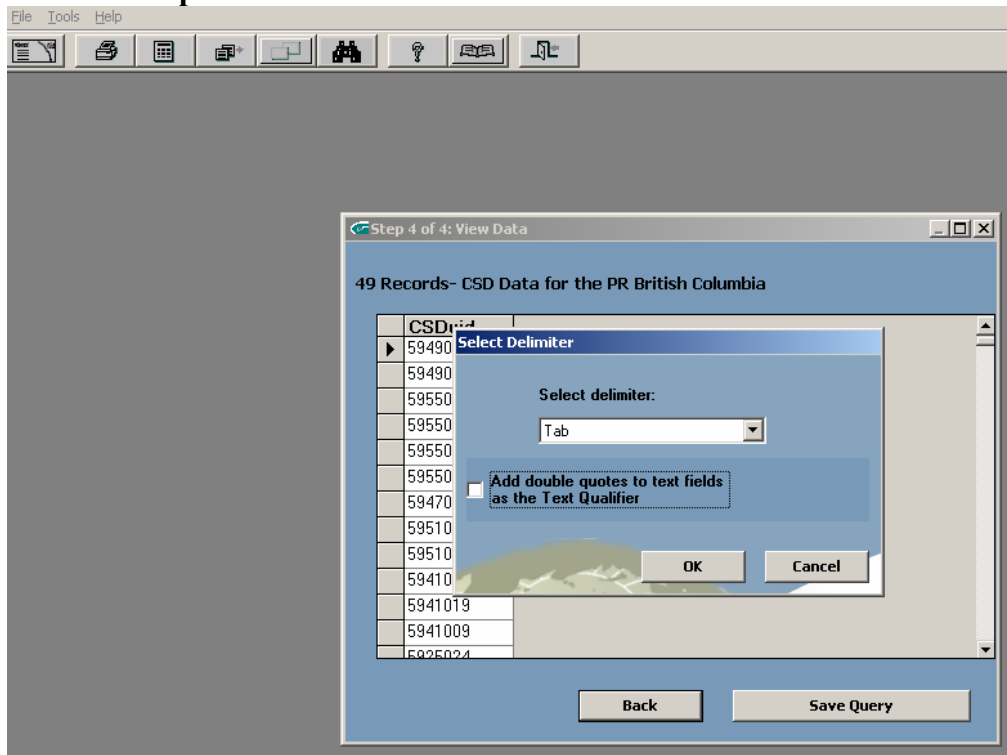
Set Sort Order... Set Condition... CSDpop2006 >= 5000 And CSDpop2006 <= 15000

Back Next

8. Click on **Next**. There are 49 CSDs within BC that have a population greater than or equal to 5,000 people and less than or equal to 15,000 people.



9. Select **Export** from the **Tools** menu.



6. Drag **Geography** to the top of the left-hand column (to replace **Period of const**).

Beyond 20/20 Professional Browser - Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

File Edit View Dimension Item Window Help

Geography

Period of const:	Total - Period of construct	Structural type:	Total - Structural type of dwell	Housing tenure:	Total - Housing tenu
Condition of dw	Total - Condition of dwelling	Regular maintenance only	Minor repairs	Major repairs	
Geography					
Canada (01) 20000	12,437,470	8,168,615	3,339,840	929,015	
Newfoundland and Labrador / Terre-Neuve-et-Labrado	197,185	127,625	54,075	15,480	
Division No. 1 (1001) 00000	97,015	66,280	24,405	6,330	
Portugal Cove South (1001105) T 01000	80	45	25	10	
Trepassey (1001113) T 00000	310	170	95	40	
St. Shott's (1001120) T 00000	50	25	25	0	
Division No. 1, Subd. U (1001124) SNO 01010	640	385	175	80	
Cape Broyle (1001126) T 01000	215	140	75	0	
Renews-Cappahayden (1001131) T 01000	170	130	25	15	
Fermeuse (1001136) T 00000	115	75	30	10	
Port Kirwan (1001140) T 01010	35	25	10	10	
Aquaforce (1001144) T 01010	50	35	10	0	
Ferryland (1001149) T 00000	200	105	70	20	
Division No. 1, Subd. W (1001155) SNO 02020	230	145	70	20	
St. Vincent's-St. Stephen's-Peter's River (1001169) T	150	100	30	20	
Gaskiers-Point La Haye (1001174) T 01000	125	60	40	30	
St. Mary's (1001178) T 00000	185	105	75	0	
Riverhead (1001181) T 00000	80	45	20	20	

7. You are now going to import the profile you created in GeoSuite so that you can view just the data for CSDs in British Columbia with a population greater than or equal to 5,000 people and less than or equal to 15,000 people.

8. Select **Import Profile** under **Utilities** under **File**.

Beyond 20/20 Professional Browser - Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

File Edit View Dimension Item Window Help

Open...
Close

Find...
Summary

Save As...
Page Setup...
Print...

Utilities
Exit

Geography

Period of const:	Total - Period of construct	Structural type:	Total - Structural type of dwell	Housing tenure:	Total - Housing tenu
Condition of dw	Total - Condition of dwelling	Regular maintenance only	Minor repairs	Major repairs	
Geography					
Canada (01) 20000	12,437,470	8,168,615	3,339,840	929,015	
Newfoundland and Labrador / Terre-Neuve-et-Labrado	197,185	127,625	54,075	15,480	
Division No. 1 (1001) 00000	97,015	66,280	24,405	6,330	
Portugal Cove South (1001105) T 01000	80	45	25	10	
Trepassey (1001113) T 00000	310	170	95	40	
St. Shott's (1001120) T 00000	50	25	25	0	
Division No. 1, Subd. U (1001124) SNO 01010	640	385	175	80	
Cape Broyle (1001126) T 01000	215	140	75	0	
Renews-Cappahayden (1001131) T 01000	170	130	25	15	
Fermeuse (1001136) T 00000	115	75	30	10	
Port Kirwan (1001140) T 01010	35	25	10	10	
Aquaforce (1001144) T 01010	50	35	10	0	
Ferryland (1001149) T 00000	200	105	70	20	
Division No. 1, Subd. W (1001155) SNO 02020	230	145	70	20	
St. Vincent's-St. Stephen's-Peter's River (1001169) T	150	100	30	20	
Gaskiers-Point La Haye (1001174) T 01000	125	60	40	30	
St. Mary's (1001178) T 00000	185	105	75	0	
Riverhead (1001181) T 00000	80	45	20	20	

Validate...
Recreate Extract...
Import Profile...

- Click on the box with the three dots next to the **Import Filename** box to find your GeoSuite profile file, and double click on the file name to enter it into the box.
 Enter **Geography** for **Dimension**, and name your profile. You can enter a description if you like. Click on **OK**.

Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

Condition of dw	Total - Condition of dwelling	Regular maintenance only	Minor repairs	Major repairs
Geography				
Canada (01) 20000	12,437,470	8,168,615	3,339,840	929,015
Newfoundland and Labrador / Terre-Neuve-et-Labrador	197,185	127,625	54,075	15,480
Division No. 1 (1001) 00000	97,015	66,280	24,405	6,330
Portugal Cove South (1001105) T 01000	80	45	25	10
Trepassey (1001113) T 00000	310	170	95	40
St. Shott's (1001120) T 00000	50	25	25	0
Division No. 1, Subd. U (1001124) SNO 01010	640	385	175	80
Cape Broyle (1001126) T 01000				
Renews-Cappahayden (1001131) T 01000				
Fermeuse (1001136) T 00000				
Port Kirwan (1001140) T 01010				
Aquaforce (1001144) T 01010				
Ferryland (1001149) T 00000				
Division No. 1, Subd. W (1001155) SNO 0202				
St. Vincent's-St. Stephen's-Peter's River (1001178) T 00000	185	105	75	0
Gaskiers-Point La Haye (1001174) T 01000				
St. Mary's (1001178) T 00000				
Riverhead (1001181) T 00000	80	45	20	20

Import Dimension Profile

Import Filename: C:\Documents and Settings\curry\Desktop\bc ...

Dimension: Geography

Profile Name: smallbccsds

Description: BC communities >=5000 and <=15000

OK Cancel Help...

- To use the profile, select **Load Profile** under **Dimension** and double click on the profile name.

Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

Condition of dw	Total - Condition of dwelling	Regular maintenance only	Minor repairs	Major repairs
Geography				
Canada (01) 20000	12,437,470	8,168,615	3,339,840	929,015
Newfoundland and Labrador / Terre-Neuve-et-Labrador	197,185	127,625	54,075	15,480
Division No. 1 (1001) 00000	97,015	66,280	24,405	6,330
Portugal Cove South (1001105) T 01000	80	45	25	10
Trepassey (1001113) T 00000	310	170	95	40
St. Shott's (1001120) T 00000				
Division No. 1, Subd. U (1001124) SNO 01				
Cape Broyle (1001126) T 01000				
Renews-Cappahayden (1001131) T 01000				
Fermeuse (1001136) T 00000				
Port Kirwan (1001140) T 01010				
Aquaforce (1001144) T 01010				
Ferryland (1001149) T 00000				
Division No. 1, Subd. W (1001155) SNO 02				
St. Vincent's-St. Stephen's-Peter's River (1001178) T 00000				
Gaskiers-Point La Haye (1001174) T 01000				
St. Mary's (1001178) T 00000				
Riverhead (1001181) T 00000				

Load Profile

Dimension: Geography

Profile Name	Description
smallbccsds	BC communities >=5000 and <=15000

Show Select Cancel Help Delete Profile

11. You will now see the data for the 49 CSDs in BC that have a population greater than or equal to 5,000 people and less than or equal to 15,000 people.

Beyond 20/20 Professional Browser - Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

File Edit View Dimension Item Window Help

Geography

Period of const:	Structural type:	Housing tenure:	Condition of dw:	Total - Condition of dwelling	Regular maintenance only	Minor repairs	Major repairs
Geography							
Kimberley (5901028) CY 01010				2,830	1,740	825	260
East Kootenay C (5901035) RDA 01011				2,310	1,505	595	210
Nelson (5903015) CY 01011				4,160	2,250	1,400	505
Castlegar (5903045) CY 00001				3,065	1,885	1,005	175
Trail (5905014) CY 00010				3,515	2,025	1,120	370
Summerland (5907035) DM 00011				4,540	2,955	1,300	285
Okanagan-Similkameen D (5907047) RDA 01020				2,505	1,800	600	100
Hope (5909009) DM 01010				2,655	1,665	760	235
Greater Vancouver A (5915020) RDA 02020				4,500	3,640	705	155
North Saanich (5917005) DM 01010				4,275	3,140	920	220
Sidney (5917010) T 01010				5,195	4,035	970	185
Capital F (5917027) RDA 01010				4,325	2,595	1,295	435
Capital G (5917029) RDA 02020				2,640	1,675	765	200
Colwood (5917041) CY 01010				5,500	3,820	1,420	260
View Royal (5917047) T 01020				3,340	2,515	730	95
Sooke (5917052) DM 01010				3,860	2,460	1,095	305
Ladysmith (5919021) T 00001				3,185	2,175	720	290
Cowichan Valley B (5919046) RDA 00000				2,780	1,785	850	145

Selecting data and saving it as a .csv file

Now that you have the desired CSDs displayed in the B2020 table, you can select the data you want and save the data as a .csv file.

1. Drag **Structural type** to replace **Condition of dwelling**, and drag **Housing tenure** to the line between **Condition of dw** and **Structural Type**.

Beyond 20/20 Professional Browser - Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for 0...

File Edit View Dimension Item Window Help

Housing tenure

Period of const:	Structural type:	Housing tenure:	Condition of dw:	Total - Condition of dwelling	Single-detached house	Apartment, at has five or mor	Movable dwelling
Geography							
Kimberley (5901028) CY 01010				2,830	2,305	0	45
East Kootenay C (5901035) RDA 01011				2,310	1,575	0	680
Nelson (5903015) CY 01011				4,160	2,440	0	80
Castlegar (5903045) CY 00001				3,065	2,260	0	120
Trail (5905014) CY 00010				3,515	2,625	0	20
Summerland (5907035) DM 00011				4,540	3,470	0	15
Okanagan-Similkameen D (5907047) RDA 01020				2,505	2,130	0	120
Hope (5909009) DM 01010				2,655	1,945	0	240
Greater Vancouver A (5915020) RDA 02020				4,500	485	940	15
North Saanich (5917005) DM 01010				4,275	3,660	0	0
Sidney (5917010) T 01010				5,195	2,100	125	0
Capital F (5917027) RDA 01010				4,325	3,720	0	100
Capital G (5917029) RDA 02020				2,640	2,450	0	120
Colwood (5917041) CY 01010				5,500	3,120	10	0
View Royal (5917047) T 01020				3,340	1,650	10	30
Sooke (5917052) DM 01010				3,860	2,850	0	95
Ladysmith (5919021) T 00001				3,185	2,760	10	140

- Highlight the **Geography** dimension, and keep clicking on the **Next Label** icon (to the left of the Print icon) until you see just the CSD UIDs listed under Geography. Your table should now look like this:

Beyond 20/20 Professional Browser - Period of Construction (11), Structural Type of Dwelling (10), Housing Tenure (4) and Condition of Dwelling (4) for O...

File Edit View Dimension Item Window Help

← Structural type →

Period of const: Total - Period of construction		Condition of dw: Total - Condition of dwelling			
Housing tenure		Total - Housing tenure			
Geography	Structural type	Total - Structural type of dwelling	Single-detached house	Apartment, at has five or mo	Movable dwelling
5901028		2,830	2,305	0	45
5901035		2,310	1,575	0	680
5903015		4,160	2,440	0	80
5903045		3,065	2,260	0	120
5905014		3,515	2,625	0	20
5907035		4,540	3,470	0	15
5907047		2,505	2,130	0	120
5909009		2,655	1,945	0	240
5915020		4,500	485	940	15
5917005		4,275	3,660	0	0
5917010		5,195	2,100	125	0
5917027		4,325	3,720	0	100
5917029		2,640	2,450	0	120
5917041		5,500	3,120	10	0
5917047		3,340	1,650	10	30
5917052		3,860	2,850	0	95
5919021		3,185	2,260	10	140

- To save the data as a .csv file, select **Save As** under file, select **Comma Separated (*.csv)** under **List Files of Type:**, and name and save your file.

Notes:

- Once loaded, a profile is available to use with other B20/20 tables.
- The **Next Label** icon can be used to change other labels to codes. For instance, we might have converted the labels in the Structural type dimension to codes. This might be a useful step if one were planning to analyze the data in a statistical software package such as SPSS.