Attachment B

Relationship Information Review

Version 2
October 2008

USCENSUSBUREAU

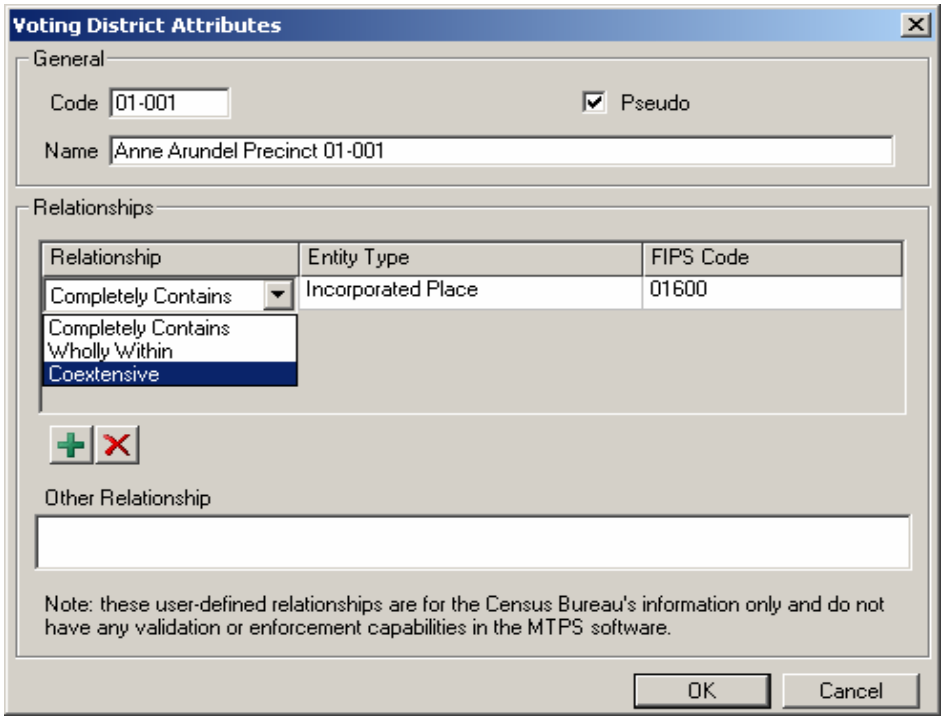
Helping You Make Informed Decisions

Relationship Information Review

If your Voting Districts (VTDs) have a geographic relationship with another entity that you would like the Census Bureau to maintain, you must provide that information as part of this project. You can submit VTD to entity relationship information using the MTPS, or this information can be supplied to us in a list using similar wording as in the dialog box below. Suggestions for the formatting of the list option are found in Section B below.

The Census Bureau will maintain the relationships described to us during Phase 2 by writing specific business rules and applying them to our database.

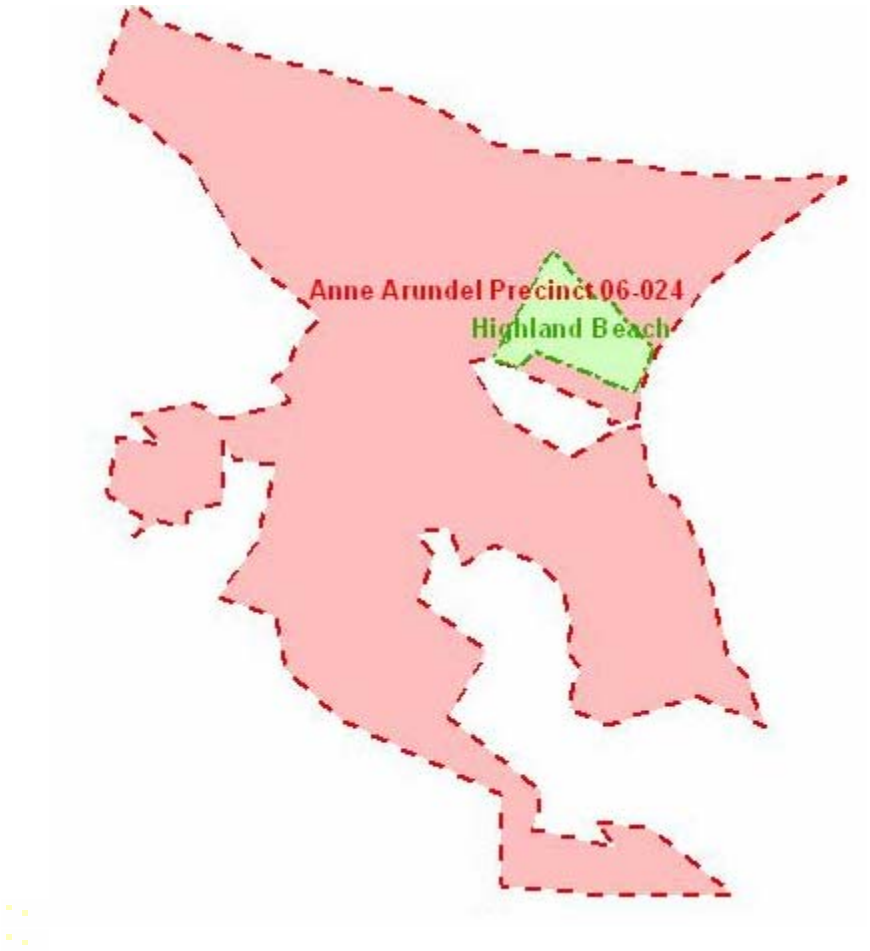
A. Using the MTPS: You can submit relationship information using the MTPS in the "**Voting District Attributes**" dialog box as shown here. If you have any relationships that aren't available for selection in this dialog box, please describe them in the "Other Relationship" text box using similar wording.



We can maintain three types of relationships:

- **Completely Contains**: Select this relationship if an incorporated place is completely within the VTD. See Example 1 below.
- **Wholly Within:** Select this relationship if a VTD is completely within the boundaries of a Minor Civil Division (MCD) or an incorporated place. See Example 2 and 3.
- **Coextensive:** Select this relationship if a VTD and incorporated place or a VTD and an MCD have the same boundaries. VTDs can be coextensive with other legal or administrative entities as well. See Example 4 and 5.

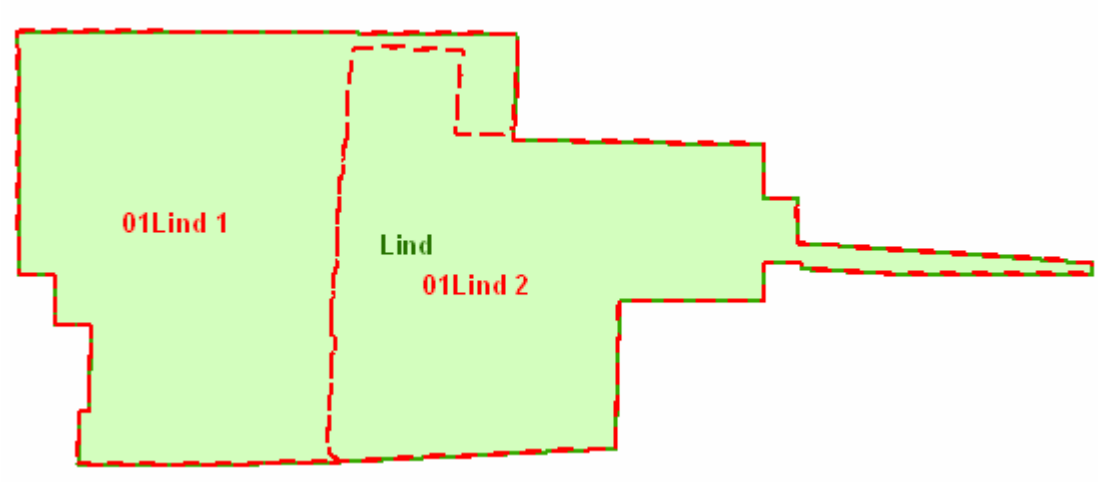
Example 1: VTD Anne Arundel Precinct 06-024 **completely contains** Highland Beach incorporated place.



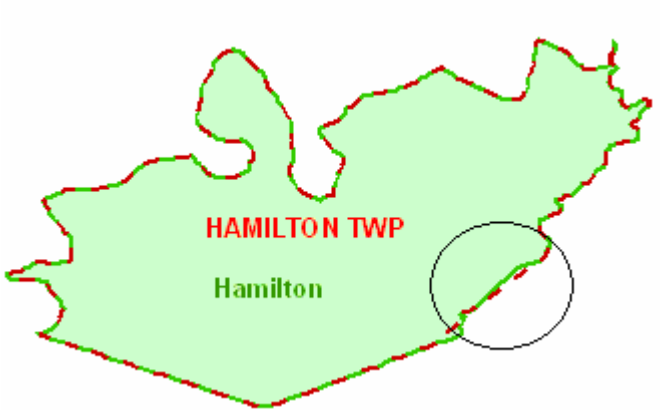
Example 2: VTDs Reading TWP VTD 01 and Reading TWP VTD 02 are **wholly within** Reading Township MCD.



Example 3: VTDs 01Lind 1 and 01Lind 2 are **wholly within** Lind incorporated place.



Example 4: VTD Hamilton TWP is **coextensive** with Hamilton MCD.



Note that the MCD boundary has moved and the VTD boundary remains in its original location. If you tell us that this relationship should be maintained, then the VTD boundary will be moved along with the MCD boundary.

Example 5: VTD 01Hatton City is **coextensive** with the incorporated place of Hatton.



B. Supplying a File: An additional approach to providing the Census Bureau with relationship information is to create a separate file.

If you already have the information stored in your own Word document, spreadsheet, or database, provide us with a text file, Word document or Excel spreadsheet that describes the relationships. Include the following information in the file you provide:

- 2-digit State FIPS code
- 3-digit County FIPS code
- County Name
- VTD Code recognized by the Census Bureau (maximum of 6 characters)
- VTD Name
- Type of relationship (The Census Bureau will maintain "Completely Contains," "Wholly Within," and "Coextensive" relationships.)
- Entity with which the VTD has a relationship (incorporated place, minor civil division (MCD), or American Indian Area (AIA))
- Census code for the entity with which VTD has the relationship (5-digit code for incorporated places and MCDs, and 4-digit code for AIAs)

You do not have to follow a specific format, as long as you provide all the information in the bullets above. However, if you would like to have a file layout to use as a guide, see below:

Field Name	Length	Type	Description	Legal Values/Range
STATEFP	2	String	State FIPS Code	01 to 72
County Name	100	String	County Name	
COUNTYFP	3	String	County Code	001 to 840
VTDST	6	String	Voting District Code	
VTD_Name	100	String	VTD Name	
Relate_type	25	String	Type of relationship VTD has with other entity	Completely Contains Wholly Within Coextensive
Relate_Name	100	String	Name of entity to which VTD is related	
Relate_Code	5	String	Code of entity to which VTD is related	00001 to 89999 (for incorporated place) 00001 to 98999 (for MCDs) 0001 to 9998 (for AIAs)

Word document examples:

- VTD 001 in Suffolk County (003) is wholly within Springfield township (05248)
- VTD 005 in Darlington County (013) completely contains Smithberg village (25618)

Spreadsheet examples:

STATE FIPS	COUNTY FIPS	VTD Code	VTD Name	Relationship Type	Name of Related Entity	Related Entity_Code
05	115	001	001	wholly within	Springfield township	05248
05	013	005	005	completely contains	Smithberg village	25618

If you want us to maintain **general** relationships between VTDs and other entities, we do not recommend using the MTPS.

(Example: "All VTDs are coextensive with MCDs, All VTDs completely contain incorporated places, etc)

Provide a text file, Word document or Excel spreadsheet that describes the relationships. In some cases, a one-sentence Word document, provided to your Regional Census Center (RCC), may be sufficient. For example, if all your VTDs are coextensive with MCDs, send the document to the RCC indicating just that general relationship. Additional examples of how to provide this information in a Word document or spreadsheet are below.

Word document examples*:*

All VTDs are wholly within MCDs

OR

All VTDs in Jefferson County completely contain places

Spreadsheet examples:

County	Type of Relationship	Entity with which VTD has Relationship
All Counties	Wholly within	MCDs

OR

County	Type of Relationship	Entity with which VTD has Relationship
Jefferson	completely contains	places

Relationship Information Submitted by States for Census 2000

State	VTDs are wholly within state legislative districts (Upper and Lower)	VTDs are wholly within places	VTDs are wholly within MCDs	VTDs are coextensive with MCDs	VTDs are coextensive with places
Alaska	Yes				
Arizona	Yes				
Delaware		49 VTDs			
Georgia	Yes				
Idaho		6 VTDs			4 VTDs
Kansas		949 VTDs			19 VTDs
Massachusetts	Yes				
Michigan	Yes				
Minnesota		Yes		Yes	
North Carolina		16 VTDs	145 VTDs	283 VTDs	7 VTDs
Pennsylvania	Yes		7792 VTDs	1510 VTDs	
Washington	Yes for 18 counties	4328 VTDs			69 VTDs
Wisconsin	Yes				
Wyoming		199 VTDs			24 VTDs