README File for 2010 Census Virgin Islands (VI) Summary File Delivered via FTP

> **Note:** Users processing these FTP files in a Windows environment should read carefully the File Information section of this document.
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> This revised file (Revision 1) intentionally excludes tables: HBG66-73, and HCT19-21. The table segmentation has been updated to reflect this change. For additional information, please refer to the Technical Documentation: http://www.census.gov/prod/cen2010/doc/sfvi.pdf.

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About the FTP Application

This FTP (File Transfer Protocol) application is intended for experienced users of census data, zip files, and spreadsheet/database software. It provides quick access for data users such as State Data Centers and news media needing to begin their analysis immediately upon data release. Due to the potentially large size of the files, the FTP user should have a fast file transfer capability.

The FTP Directory

The directory is http://www2.census.gov/census_2010/09-Island_Areas_IASF/Virgin_Islands/. When the Virgin Islands Summary File data set is added to the area's directory, it will contain a single zip package with the geoheader file, the 49 data segments and a packing list which provides information about the file's creation and size. See below for more information on Segmented Data.

Users of the FTP application need to unzip the package after downloading, then import the data into the spreadsheet/database software of their choice for data analysis and table presentation. *We are unable to provide one-on-one support for applications of the data to specific spreadsheets or data base software.*

File Information

Once the package is unzipped, the files are in flat ASCII format. The geographic header file contains fixed fields while the data files are in comma-delimited format. These are text files however the file extension is **not** '.txt'. The user will need to rename the files with a .txt extension for import into some software packages, e.g. Microsoft Access. These files have been constructed in a LINUX environment. They use an ASCII linefeed, chr(10), to indicate a new record.

For successful use with many programs running in a Windows environment, these files need to be modified to use the ASCII carriage return/linefeed sequence, chr(13) + chr(10) as a record terminator. This is an easy step in the UnZIP process using any UnZIP software which offers the conversion option. WinZip for Windows, version 14.5 has been tested.

The resulting file will meet the ANSI MS-DOS/Windows standard used by Access 2003 and Access 2007 and other MS Windows-based programs. If the data are being processed in a LINUX environment, they can be unzipped using any standard Linux ZIP/UnZIP package.

Note to Users of Microsoft Access:

Due to the FieldSize property limitations within Microsoft Access, modifications to field types are required when importing the Geographic Header Record file and File01 through File49:

- ➢ Fields classified as numeric (N) should be imported as long integers unless the field has been described as having decimals. These fields should be imported as double.

- ➢ LOGRECNO, AREALAND and AREAWATR should be imported as text.

- ➢ Failure to make these changes may result in missing data upon import.

Segmented Data

The data in the 2010 Census Virgin Islands Summary File and other 2010 Census summary files are segmented. This is done to manage the volume of data and to facilitate exporting into spreadsheet or database software. The data and the corresponding geographic information for an individual state/island area are known as the file set. Because of the large size of the tables, the file set will be broken into 51 files: a geographic header record file, 49 data segment files and a packing list. To get a complete set of the Virgin Islands Summary File data, users must download the geographic header file and all the data file segments in the package. See Table 1 below for segmentation details.

Table 1. Virgin Islands File/Table Segmentation

Data file segment number	Number of data cells	Starting matrix number	Ending matrix number
1	206	P1	P14
2	235	P15	P28
3	157	P29	P40
4	196	P8A	P8D
5	228	P8E	P14D
6	140	P14E	P32F
7	227	PBG1	PBG19
8	230	PBG20	PBG35
9	235	PBG36	PBG75
10	221	PBG76	PBG123
11	45	PBG124	PBG130
12	234	PBG23A	PBG46D
13	156	PBG46E	PBG72F
14	209	PCT1	PCT1
15	229	PCT2	PCT10
16	228	PCT11	PCT16
17	231	PCT17	PCT25
18	167	PCT26	PCT30
19	210	PCT31	PCT36
20	213	PCT37	PCT42
21	171	PCT43	PCT47
22	168	PCT48	PCT53
23	123	PCT54	PCT58
24	200	PCT59	PCT62
25	183	PCT63	PCT68
26	235	PCT69	PCT72
27	229	PCT73	PCT75
28	74	PCT76	PCT81
29	209	PCT1A	PCT1A
30	209	PCT1B	PCT1B
31	209	PCT1C	PCT1C
32	209	PCT1D	PCT1D
33	209	PCT1E	PCT1E
34	209	PCT1F	PCT1F
35	195	PCT18A	PCT27C
36	209	PCT27D	PCT30B
37	207	PCT30C	PCT32A
38	175	PCT32B	PCT32F
39	190	PCT63A	PCT63B
40	190	PCT63C	PCT63D
41	190	PCT63E	PCT63F

42	144	PCT64A	PCT67F
43	123	H1	H16
44	231	HBG1	HBG26
45	234	HBG27	HBG58
46	123	HBG59	HBG98
47	219	HCT1	HCT7
48	232	HCT8	HCT16
49	50	HCT17	HCT18

The explanation below for linking the two data files requires specific location information about the geographic header. These are located in Chapter 2-How to use this Product, of the Technical Documentation http://www.census.gov/prod/cen2010/doc/sfvi.pdf.

 A unique logical record number (LOGRECNO) in the geographic header is assigned to all the files for a specific geographic entity, linking all the records for that entity across file segments. The geographic header **record layout** is identical across all electronic data products from the 2010 Census. However, the content is product specific. Some header fields that appear in both file types (geographic header and fileXX) are not used. For example, the characteristic iteration (CHARITER) field is filled with a valid code in the 2010 Census Summary File 2 data product but in the 2010 Census Virgin Islands Summary File, it is always coded as 000.

File Record Layout

For a layout of the data table, see http://www.census.gov/prod/cen2010/doc/sfvi.pdf, select Chapter 6, *Data Dictionary*.