

Quentin Sager Consulting, Inc.

[UNITED STATES 5-DIGIT ZIP CODE]

Premium Edition Database reference manual

This document contains the data set and file specifications for the United States 5-Digit ZIP Code Premium Edition database. These specifications are subject to change without notice. The data it describes is furnished under a license agreement, and may be used or copied only in accordance with the terms of the license agreement.

United States 5-Digit ZIP Code Premium Edition Reference Manual
Revised: March 31, 2023

Published by:

Quentin Sager Consulting, Inc.
1589 South Wallace Point
Crystal River, FL 34429

Copyright © 2014-2023 Quentin Sager Consulting, Inc.
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of Quentin Sager Consulting, Inc.

Disclaimer and Limitation of Liability

The information provided in this document is directed solely to users who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering, industry, or other professional standards and applicable regulations.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. QUENTIN SAGER CONSULTING SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY QUENTIN SAGER CONSULTING FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL QUENTIN SAGER CONSULTING BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. QUENTIN SAGER CONSULTING EXPRESSLY ADVISES THAT ANY AND ALL USE OF OR RELIANCE UPON THE INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

FILE NAMES AND DESCRIPTIONS

Each table (*file*) in the United States 5-Digit ZIP Code Premium Edition database is delivered in flat, delimited text file format (commonly referred to as comma-separated-value or CSV format). The United States 5-Digit ZIP Code Premium Edition database is easily imported to and accessed through most contemporary database engines including (but not limited to) MySQL, PostgreSQL, SQLite, Oracle, IBM DB2, Microsoft SQL Server, Microsoft Access, or similar tool.

The data can be imported as either US-ASCII or Unicode UTF-8 text. For each file in the United States 5-Digit ZIP Code Premium Edition database; the first row contains field names (column headers), fields are terminated by a single comma “,” character, fields are optionally enclosed using a double quote character, and lines (rows) are terminated with a two character carriage return line feed (CR + LF) sequence.

| Primary data contents | |
|-----------------------|--|
| us_premium.txt | United States 5-Digit ZIP Code Master File |
| counties.txt | FIPS county code cross-reference data |

RECORD LAYOUTS AND FIELD DESCRIPTIONS

FILE: us_premium.txt

| Field | Description |
|---------------------|---|
| ZIP | USPS 5-digit (Zone Improvement Plan) ZIP Code |
| City | The city, community, station or other name for the ZIP Code area. |
| Abbreviation | The USPS abbreviation for the <i>City</i> name. |
| CountyName | Name of the predominate county or county equivalency the ZIP Code is located in |
| StateName | The full name for the state or territory the ZIP Code is located in |
| State | The USPS standard 2-letter abbreviation for the state or territory the ZIP Code is located in. |
| CityType | USPS recognition of the <i>City</i> name when used with this ZIP Code <ul style="list-style-type: none"> • P – the specified city name is the official USPS city name for this ZIP Code. Each ZIP Code will have only one “P” type record. • A – the city name is an acceptable alternate for use with this ZIP Code • N – the specified city name is not acceptable for use with this ZIP Code |
| ZipType | The ZIP Code definition or type for delivery purposes. <ul style="list-style-type: none"> • S – A standard ZIP Code • P – A ZIP Code used only for Post Office Boxes • U – A ZIP Code used for a unique organization • M – An APO/FPO (Military) ZIP Code |
| FIPS | 5-digit Federal Information Processing Standard FIPS PUB 55 county code for the county the ZIP Code is located in. This value is the 2-digit FIPS state code combined with the 3-digit FIPS county code. |
| AreaCode | Predominate 3-digit telephone area code |
| Overlay | Additional telephone area codes in use when the predominate telephone area code is an <i>overlayed</i> area code. Multiple entries are separated by an ASCII forward slash “/” character. |
| TimeZone | The time zone the ZIP Code is located in. Counties split between time zones are Gulf, FL; South Central, AK; Idaho, ID; Kearny, KS; Cherry, NE; McKenzie, ND; Morton, ND; Jones, SD; and Stanley, SD. <ul style="list-style-type: none"> • AK – Alaska • AS – (American) Samoa • AT – Atlantic • CH – Chamorro |

| | |
|------------------|---|
| | <ul style="list-style-type: none"> • CT – Central • ET – Eastern • HT – Hawaii-Aleutian • KO – Kosrae • MA – Marshall • MT – Mountain • NT – Newfoundland • PA – Palau • PO – Pohnpei (Ponape) • PT – Pacific • EE – Eastern European • CE – Central European • WE – Western European |
| DST | Y/N indicator specifying whether daylight savings time is recognized |
| UTC | Coordinated Universal Time (UTC) offset for the ZIP code geographic location. Format is +\-HH:MM. |
| Olson | <p>Internet Assigned Numbers Authority (IANA) Time Zone Database time zone identifier, also known as the Olson time zone ID, for the ZIP code geographic location.</p> <p>The IANA time zone database is also known as the <i>tz database</i>, the <i>zoneinfo database</i>, and/or the <i>Olson database</i>.</p> |
| Latitude | Latitude in decimal degrees to the geographic center of the ZIP Code |
| Longitude | Longitude in decimal degrees to the geographic center of the ZIP Code |

FIELD DESCRIPTIONS: counties.txt

| Field | Description |
|-------------------------|--|
| FIPS | 5-digit Federal Information Processing Standard county code. |
| CountyName | Name of the county |
| State | USPS standard 2-letter abbreviation for the state or territory the ZIP Code is located in. |
| Pop2000 | Total year 2000 population for the county. |
| PopEst2001 | Total year 2001 estimated population for the county. |
| PopEst2002 | Total year 2002 estimated population for the county. |
| PopEst2003 | Total year 2003 estimated population for the county. |
| PopEst2004 | Total year 2004 estimated population for the county. |
| PopEst2005 | Total year 2005 estimated population for the county. |
| HousingUnits2000 | The number of housing units within the county. |
| LA_MILES | County land area in square miles. |
| WA_MILES | County water area in square miles. |
| CountyNameType | Government administrative classification for the <i>county</i> . |
| CountySeat | County government center |

SQL SCRIPTS AND SCHEMAS

MySQL

```
CREATE TABLE `zipcodes` (  
  `ZIP` CHAR(5) NOT NULL,  
  `City` VARCHAR(64) DEFAULT NULL,  
  `Abbreviation` VARCHAR(13) DEFAULT NULL,  
  `CountyName` VARCHAR(64) DEFAULT NULL,  
  `StateName` VARCHAR(64) DEFAULT NULL,  
  `State` CHAR(2) DEFAULT NULL,  
  `CityType` CHAR(1) DEFAULT NULL,  
  `ZipType` CHAR(1) DEFAULT NULL,  
  `FIPS` CHAR(5) DEFAULT NULL,  
  `AreaCode` CHAR(3) DEFAULT NULL,  
  `Overlay` VARCHAR(28) DEFAULT NULL,  
  `TimeZone` CHAR(2) DEFAULT NULL,  
  `DST` CHAR(1) DEFAULT NULL,  
  `UTC` CHAR(6) DEFAULT NULL,  
  `Olson` VARCHAR(128) DEFAULT NULL,  
  `Latitude` DOUBLE DEFAULT 0,  
  `Longitude` DOUBLE DEFAULT 0,  
  PRIMARY KEY (`ZIP`));
```

```
CREATE TABLE `us_alternate` (  
  `ZipCode` CHAR(5) NOT NULL,  
  `ZipType` CHAR(1) DEFAULT NULL,  
  `CityType` CHAR(1) DEFAULT NULL,  
  `City` VARCHAR(64) DEFAULT NULL,  
  `State` CHAR(2) DEFAULT NULL,  
  KEY (`ZipCode`));
```

```
CREATE TABLE `counties` (  
  `FIPS` CHAR(5) NOT NULL,  
  `CountyName` VARCHAR(64) DEFAULT NULL,  
  `State` CHAR(2) DEFAULT NULL,  
  `Pop2000` DOUBLE DEFAULT 0,  
  `Pop2009` DOUBLE DEFAULT 0,  
  `Pop2010` DOUBLE DEFAULT 0,  
  `LandAreaSquareMiles` DOUBLE DEFAULT -1,  
  `WaterAreaSquareMile` DOUBLE DEFAULT -1,  
  `CountyType` VARCHAR(128) DEFAULT NULL,  
  `County_Seat` VARCHAR(64) DEFAULT NULL,  
  PRIMARY KEY (`FIPS`));
```

Appendix A – State, province, and territory codes

United States - States and territories

| | | | |
|----|----------------------|----|---------------------------------------|
| AL | Alabama | NJ | New Jersey |
| AK | Alaska | NM | New Mexico |
| AZ | Arizona | NY | New York |
| AR | Arkansas | NC | North Carolina |
| CA | California | ND | North Dakota |
| CO | Colorado | OH | Ohio |
| CT | Connecticut | OK | Oklahoma |
| DE | Delaware | OR | Oregon |
| DC | District of Columbia | PA | Pennsylvania |
| FL | Florida | RI | Rhode Island |
| GA | Georgia | SC | South Carolina |
| HI | Hawaii | SD | South Dakota |
| ID | Idaho | TN | Tennessee |
| IL | Illinois | TX | Texas |
| IN | Indiana | UT | Utah |
| IA | Iowa | VT | Vermont |
| KS | Kansas | VA | Virginia |
| KY | Kentucky | WA | Washington |
| LA | Louisiana | WV | West Virginia |
| ME | Maine | WI | Wisconsin |
| MD | Maryland | WY | Wyoming |
| MA | Massachusetts | AS | American Samoa ¹ |
| MI | Michigan | FM | Micronesia |
| MN | Minnesota | GU | Guam |
| MS | Mississippi | MH | Marshall Islands |
| MO | Missouri | MP | Northern Mariana Islands ² |
| MT | Montana | PW | Palau |
| NE | Nebraska | PR | Puerto Rico |
| NV | Nevada | UM | Minor Islands |
| NH | New Hampshire | VI | Virgin Islands |

Canada - Provinces and territories

| | | | |
|----|--|----|----------------------|
| AB | Alberta | NU | Nunavut ³ |
| BC | British Columbia | ON | Ontario |
| MB | Manitoba | PE | Prince Edward Island |
| NB | New Brunswick | QC | Quebec ⁴ |
| NL | Newfoundland and Labrador ⁵ | SK | Saskatchewan |
| NT | Northwest Territories | YT | Yukon |
| NS | Nova Scotia | | |

Mexico - States and territories

| | | | |
|-----|-----------------|-----|---------|
| AGS | AGUASCALIENTES | MOR | MORELOS |
| BC | BAJA CALIFORNIA | NAY | NAYARIT |

¹ COMMON LANGUAGE® abbreviation for American Samoa is AM

² COMMON LANGUAGE® abbreviation for Northern Mariana Islands is NN

³ COMMON LANGUAGE® abbreviation for Nunavut is VU

⁴ COMMON LANGUAGE® abbreviation for Quebec is PQ

⁵ COMMON LANGUAGE® abbreviation for Newfoundland and Labrador is NF

BCS BAJA CALIFORNIA SUR
CAM CAMPECHE
COAH COAHUILA
COL COLIMA
CHIS CHIAPAS
CHIH CHIHUAHUA
DF DISTRITO FEDERAL
DGO DURANGO
GTO GUANAJUATO
GRO GUERRERO
HGO HIDALGO
JAL JALISCO
MEX MEXICO
MICH MICHOACAN

NL NUEVO LEON
OAX OAXACA
PUE PUEBLA
QRO QUERETARO
QROO QUINTANA ROO
SLP SAN LUIS POTOSI
SIN SINALOA
SON SONORA
TAB TABASCO
TAM TAMAULIPAS
TLAX TLAXCALA
VER VERACRUZ
YUC YUCATAN
ZAC ZACATECAS