

"Getting it Right the First Time: Fine Tuning a Transaction Tax System"

Wednesday, July 16, 2008

Taxware WEBINAR TOUR

1

Housekeeping Items

- Today's webinar will last for 60 minutes, ending at 1pm eastern time.
- The last 10 minutes of today's program have been reserved for questions & answers.
- We will launch a brief survey at the conclusion of today's webinar. Those who complete the survey will be entered into a drawing for a TomTom ONE car navigation system.
- View our entire schedule of monthly informational webinars by going to adptaxware.com and clicking on the "webinars" tab.



Jane Van Saun Marketing Manager ADP Taxware



CPE Credit

Requirements

- Log in from same e-mail address that you used to register
- Stay for the full hour
- Answer 2 out of 3 polling questions

Receive your certificate via e-mail in approx. 30 days.



Are you applying for CPE credit for today's webinar?

- A. Yes
- B. No
- C. Not applicable





Today's Speakers

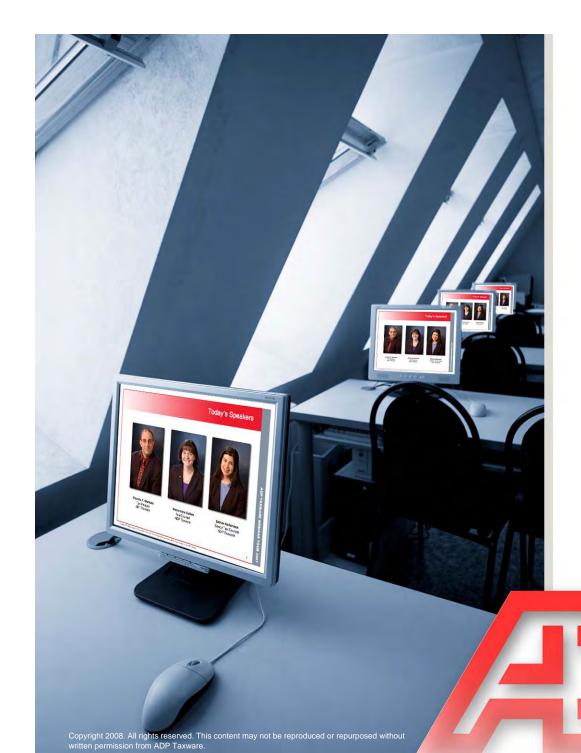


Bob Meador
Director of GeoTAX
Product Management
Pitney Bowes Group 1
Software



Tim Walsh
Senior Director,
Product Management
ADP Taxware





Agenda

- Accuracy Issues
- Geocoding
- Postal data issues
- Address Level
- Future gets better

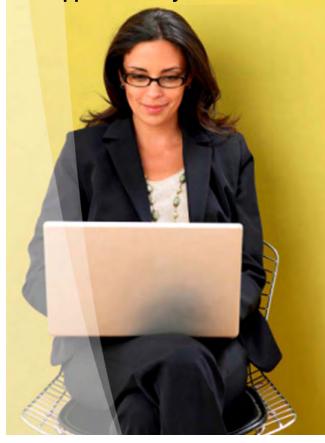
Taxware WEBINAR TOUR

Polling Question 1

Requirements

- Log in from same e-mail address that you used to register
- Stay for the full hour
- Answer 2 out of 3 polling questions

Receive your certificate via e-mail in approx. 30 days.



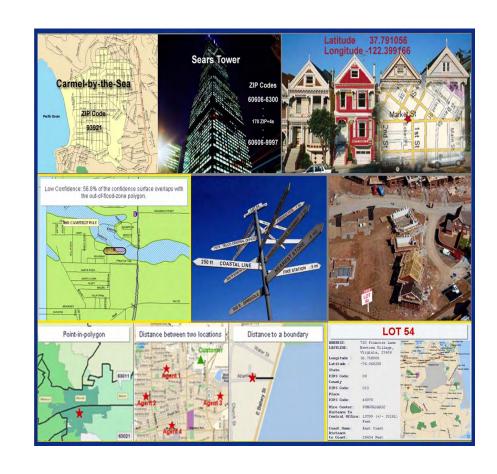
How confident are you that your current sales and use tax system is correctly assigning tax jurisdictions 100% of the time?

- A. Very confident
- B. Somewhat confident
- C. Not confident
- D. I don't know
- E. Not applicable



Companies and Government Agencies Need Accuracy Accuracy matters when making decisions based on location

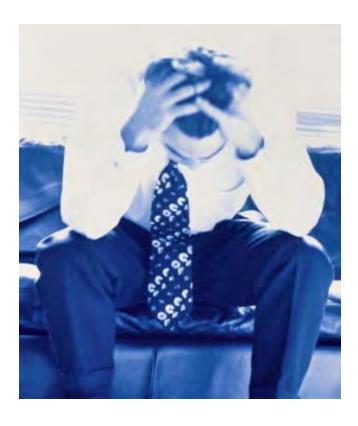
- Insurance companies, telecoms, utilities, and a variety of other organizations in the public and private sector know the importance of precise geographic determination
- Business
 Geographics: the
 science of using
 geography to solve
 location-based
 business problems





Business Reasons for Improved Accuracy

- Businesses need the most current, accurate tax jurisdiction assignment to customer and employee address records.
- States moving to destination-based Sourcing
- A more accurate tax jurisdiction assignment process
 - Lessens class action suit exposure
 - Reduces audit risk
 - Meet hold harmless provisions
 - Leads to correct disbursements
 - Leads to correct reimbursements
 - Leads to fair-share
 - Increases customer satisfaction
 - Automates process





Tax Jurisdictions Change



- Constantly changing tax boundaries
 - Incorporations
 - Annexations
 - Mergers
 - Consolidations
 - Dissolution of local government entities
- Increasing number of special tax districts
- Up to 25% of municipal boundaries change every year
- New taxes and fees assessed by different governmental bodies from the federal to the state and local level





Geocoding is...

An automated process that assigns a latitude/longitude coordinate to an address.

Input:

4383 Apple Boulder CO 80303



Output:

4383 Apple Ct Boulder CO 80301-1745 -105.248599, 40.054337



Polling Question 2

Requirements

- Log in from same e-mail address that you used to register
- Stay for the full hour
- Answer 2 out of 3 polling questions

Receive your certificate via e-mail in approx. 30 days.



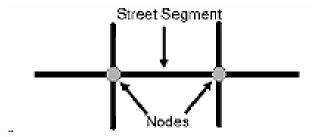
Do you currently use a third party solution for address cleansing?

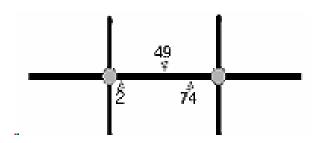
- A. Yes
- B. No
- C. I don't know / not applicable



Geocoding – Address Interpolation

- Addresses are geocoded using street network reference databases
- Files contain street segments which are defined by the:
 - Street name
 - Address ranges on each side of the street
 - Boundary nodes (intersections)
- Geocoding approximates the location of an address based on:
 - Length of the segment
 - Address range assigned to the segment





An address of 49 Main Street is halfway into the address range, so it is located half way along the segment on the odd side



Why Not Use Postal Data?

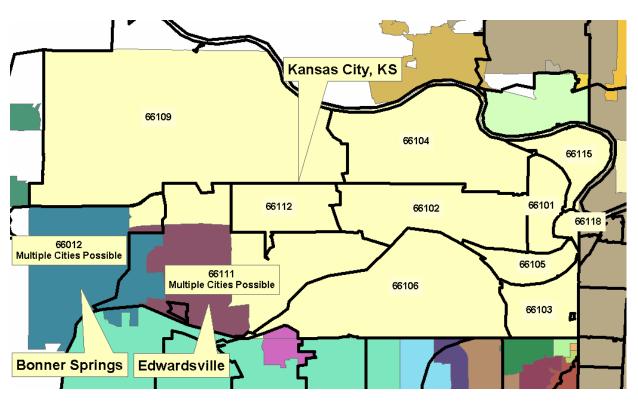
- Street address geocoding assigns to each customer address the most accurate state, county, and city code combination compared to a ZIP code based methodology
- ZIP Code-based methodology is not up to the task of fully automating the tax jurisdiction process
 - Results in too many choices
- Why?
 - Certain ZIP Codes may intersect one or more counties
 - Certain ZIP Codes may intersect one or more cities (municipalities)
 - Certain ZIP Codes contain the city name associated with the post office not the municipality.
 - Certain ZIP Codes may intersect unincorporated or county remainderment areas.



Understanding Geography

Postal Geography

The United States Postal Service has its own system for sectoring the United States. This system is more familiar to most people because it is based on codes we use much more frequently — ZIP Codes and ZIP+4 Codes.

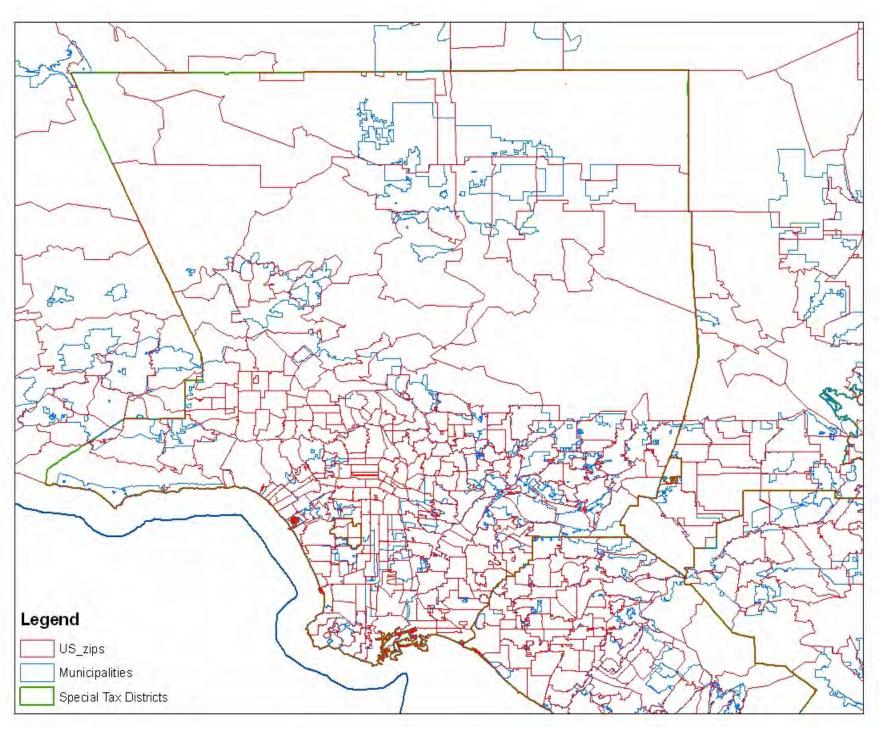


AO1

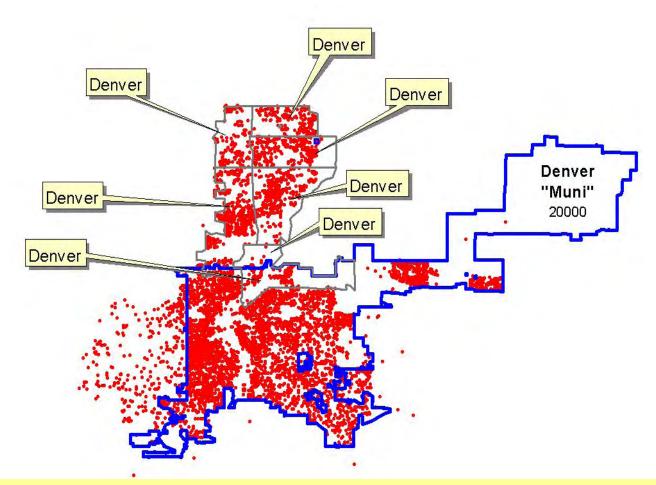


Need a simple map with Zip codes Alvie Onate, 1/8/2004 AO1





ZIP Code Level



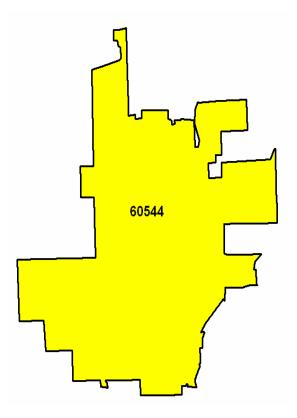
ALL the customers shown above in red have been taxed at the Denver, CO municipality rate since the postal city for each of the customers above had a Denver, CO postal city label. Street level geocoding locates only those records inside the Denver blue boundary shown above.

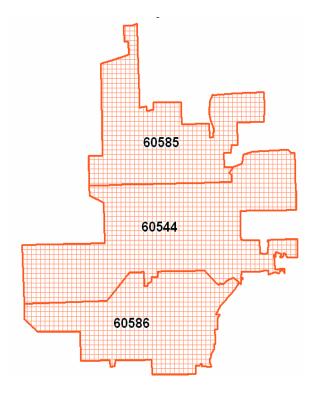


ZIP Codes Change Frequently

ZIP Code 60544 in 2005

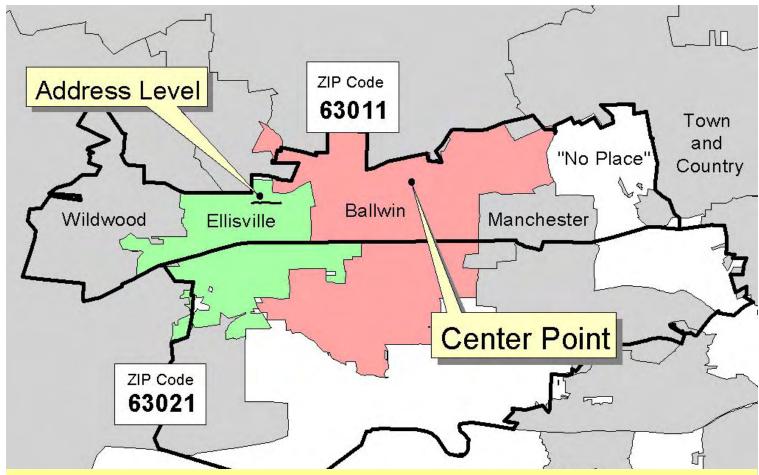
 ZIP Code 60544 split into three separate ZIP Codes in 2006







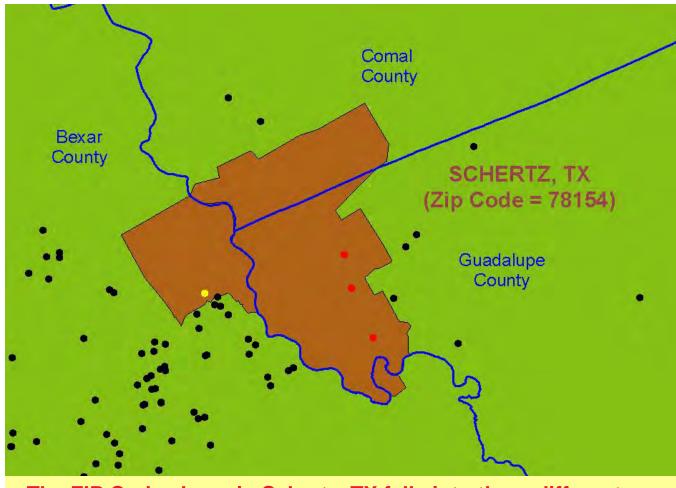
ZIP Code Level

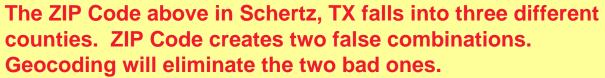


The center point or Ballwin ZIP code 63011 intersects four additional combinations or municipalities in addition to an area that falls into the county remainderment area. An address level methodology would return not Ballwin but Ellisville – given the "address level" point above.



ZIP Code Level

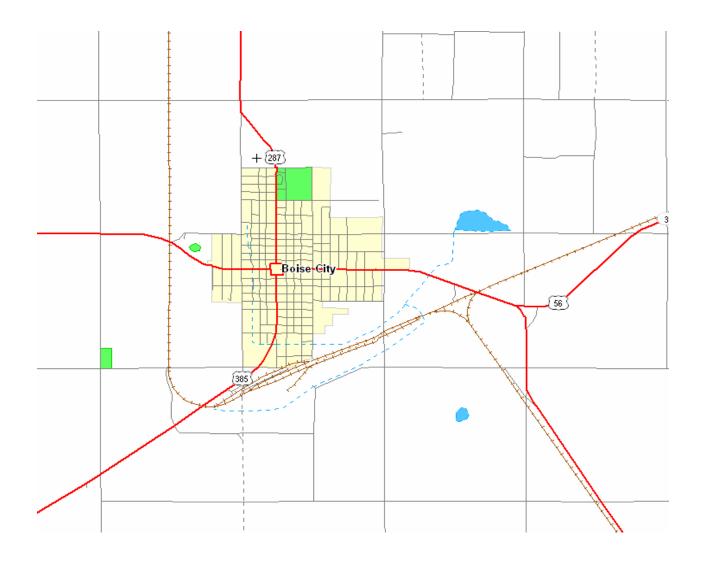






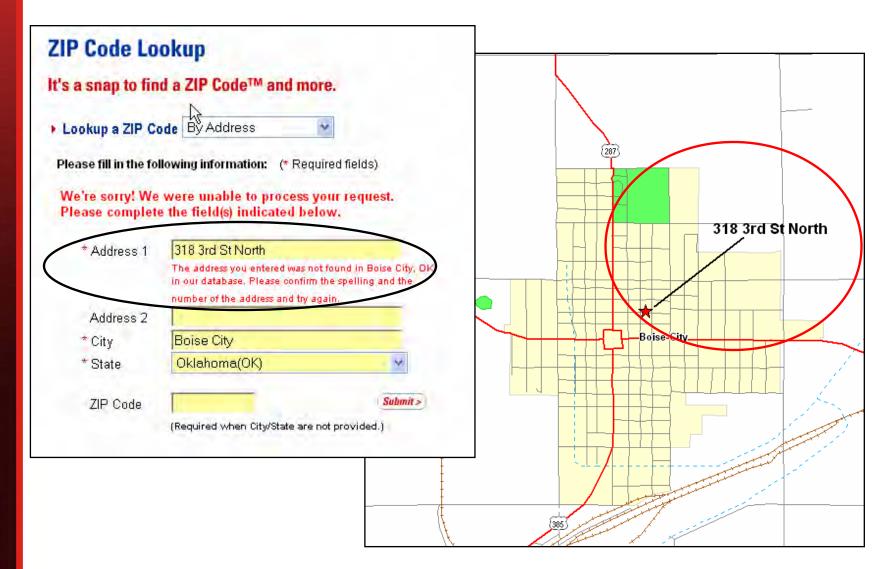
Taxware Webinar Tour

Boise City, OK No ZIP+4/USPS Address Coverage





318 3rd St North, Boise City, OK USPS Can't Find, but Geocoding Does

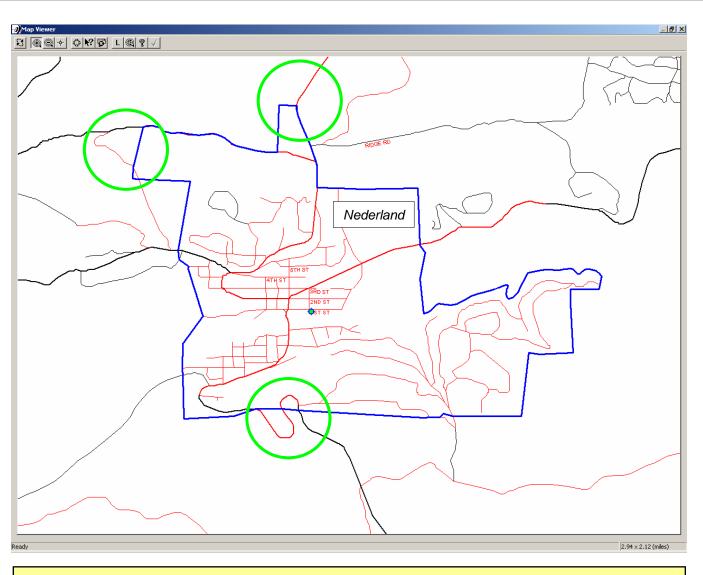




Taxware Webinar Tour

Nederland, CO

Almost No Streets Have USPS Information

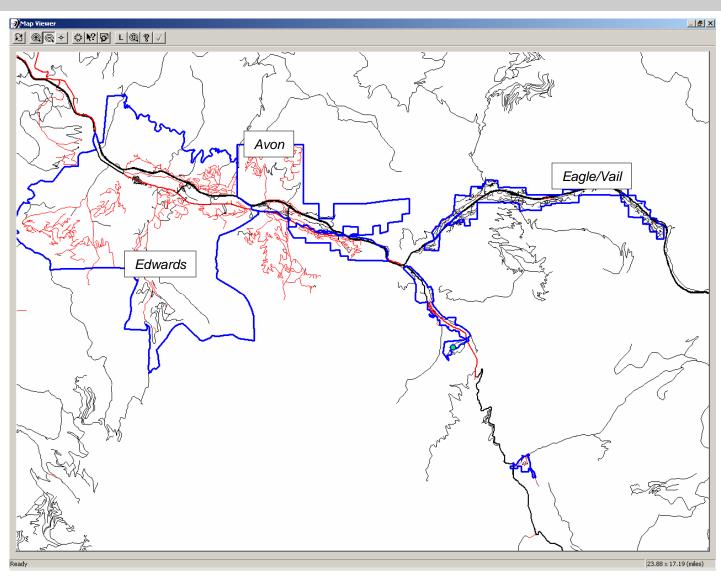




Taxware Webinar Tour

Vail/Avon CO

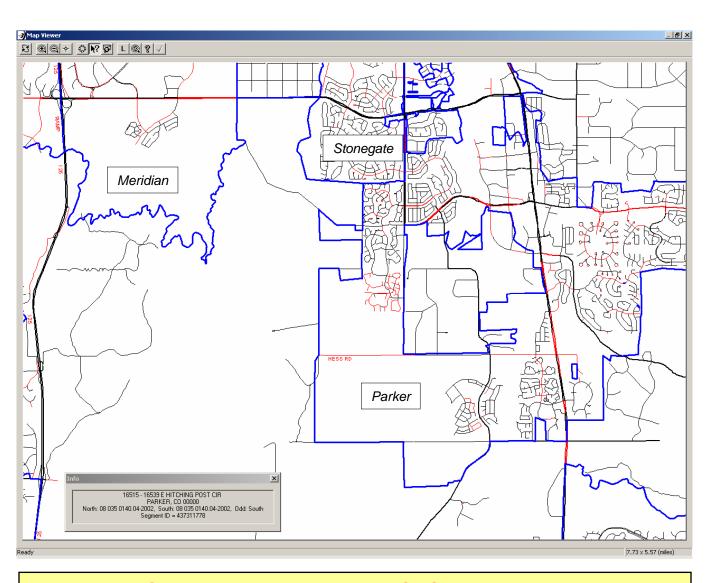
Most of the Streets in Resort Towns Have No USPS Information





Parker, CO

Streets in Gated Communities Generally Do Not Have USPS Information





Polling Question 3

Requirements

- Log in from same e-mail address that you used to register
- Stay for the full hour
- Answer 2 out of 3 polling questions

Receive your certificate via e-mail in approx. 30 days.



What are you doing today to solve your Zip Code cross boundary issues?

- A. Current ADP Taxware Client:
 picking correct geocode from popup list
- B. Updating my Zip Codes monthly
- C. Using Zip +4
- D. Running a second batch with rules
- E. Selecting the lower tax rate
- F. Other
- G. I don't know
- H. Not applicable

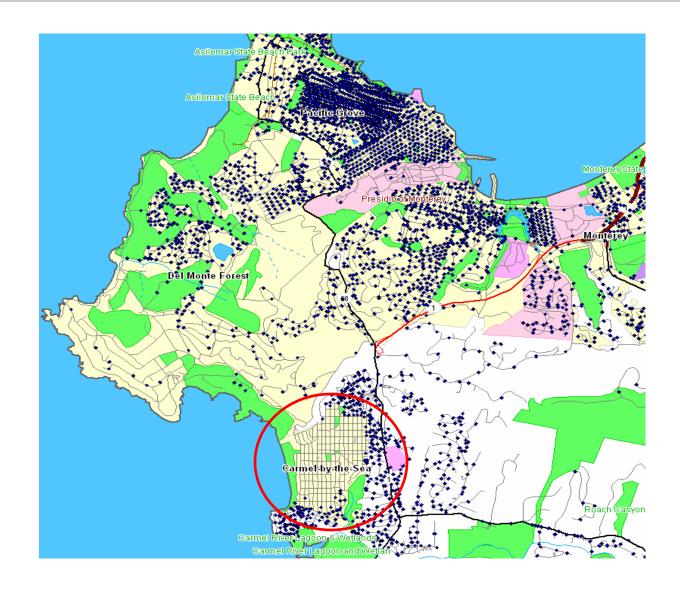


ZIP+4 Methodology

- A ZIP+4 or street segment may sometimes cross a county and/or municipal boundary
- A ZIP+4 is not assigned to all physical streets, just those to which the post office delivers.
- A ZIP+4 can change on a monthly basis.
- There are over 40 million ZIP+4's nationwide
- There are over 600,000 changes every month to the ZIP+4 file

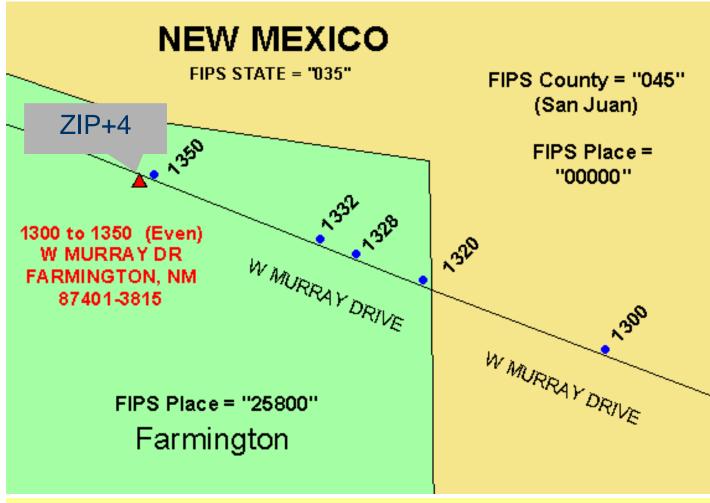


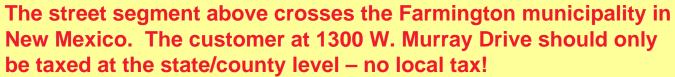
Carmel and Monterrey Peninsula





ZIP+4 Level







ZIP+4 Level



The street segment above in green represents two ZIP+4's odd and even. The centroid representing this street segment falls into one county – not good enough!

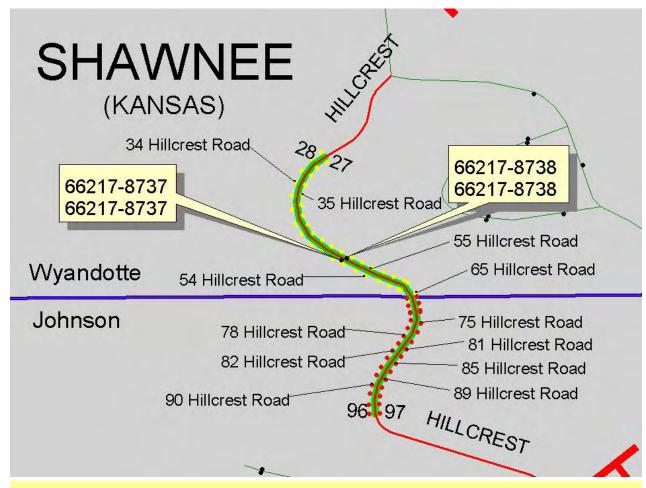


Street Level Methodology

- A Street Level answer is the most accurate assignment that can be automated today using Geocoding.
- This is a detailed example using the previous ZIP+4
 example and how street level impacts the answer for
 approximately 50% of the total number of potential
 outcomes.



Street Level



A street level answer above will put a specific address into the most accurate county, where as, a ZIP+4 level answer does not allow for this additional accuracy.



Geocoding – Levels of Accuracy

Example: 1400 W Gateway Cir Fargo, ND 58103-3530



5 digit ZIP Code

ZIP+4

Address Level/Rooftop

Geocoding - Accuracy Issues

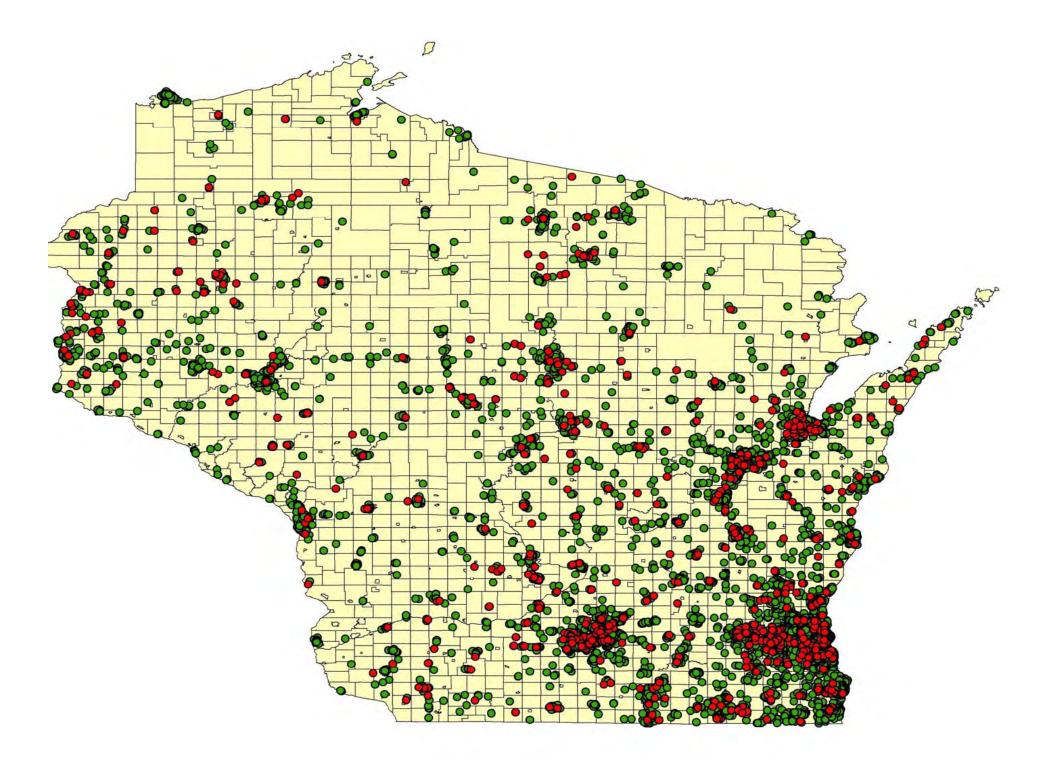
 Accuracy can be critical for those that require a precise understanding of geographic relationships

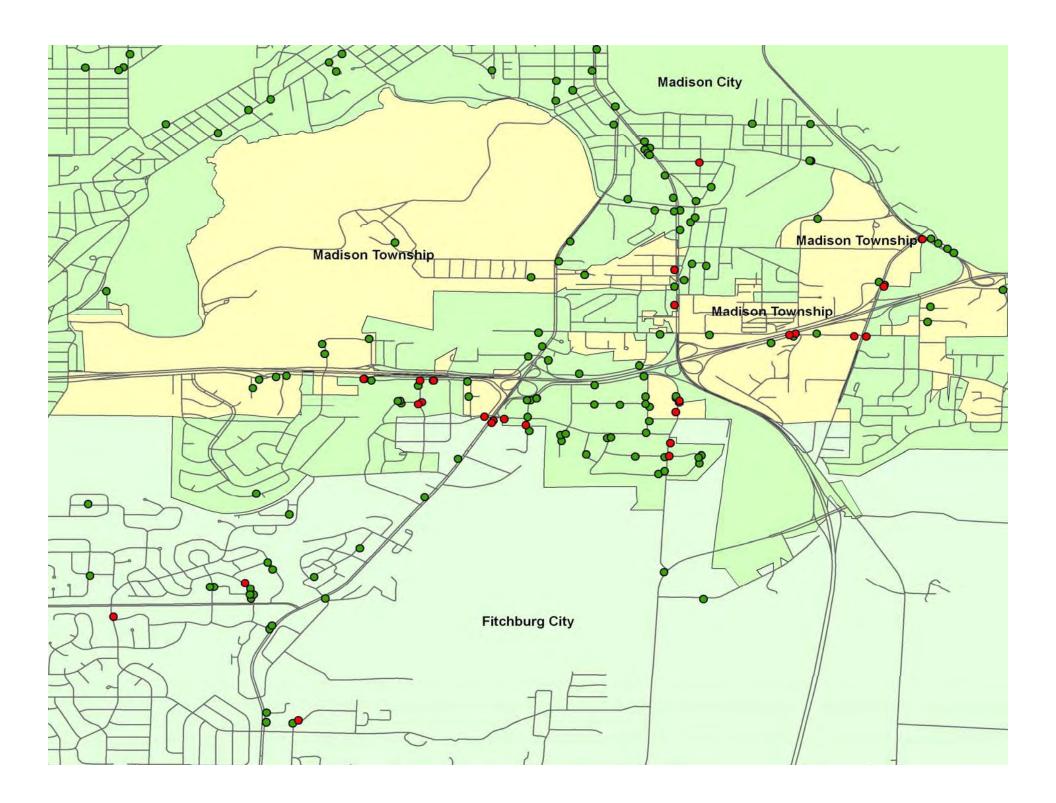




Only address-level precision can accurately determine the correct territory, which impacts marketing, underwriting and claims.







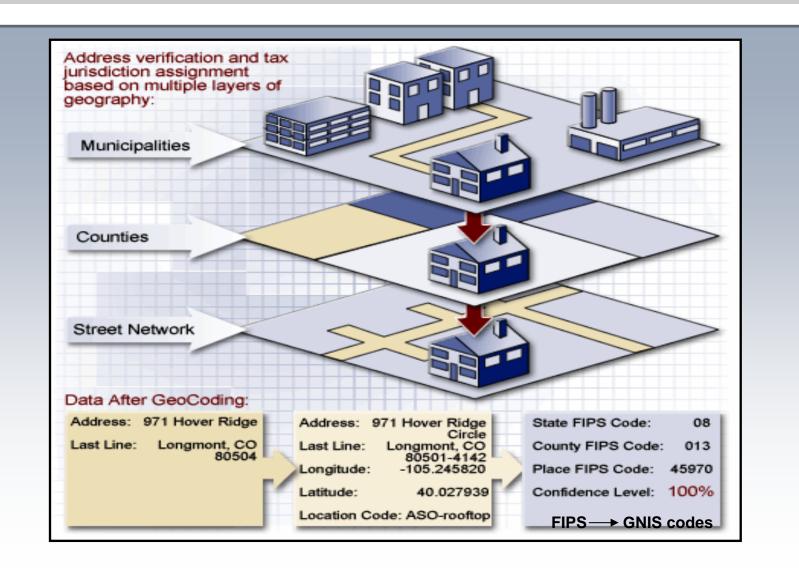
Special Purpose Districts

- Special Purpose Districts are updated on a quarterly basis through an exclusive relationship with ADP Taxware
- The Special Purpose Districts are calibrated to the TeleAtlas line file data to ensure consistency
- Special Purpose Districts include:
 - Library Districts
 - Fire Protection/Police Districts
 - Rapid Transit Districts
 - School Districts
 - Arena Districts
 - Science & Cultural Districts









Some States Are Using Address Level Data Today

- Some Streamlined Sales Tax states are providing address range data
 - WA, KS, SD, others
- CO, TX, FL, AZ
 - Hold Harmless in CO
- www.GeoTAX.com



What the Future Holds: Point Level Accuracy

- Driven by satellite imagery
- Highly accurate parcel centroid or house point
- Database is expanding rapidly



Cul-de-Sacs are a Special Challenge with Interpolation

Example: 3877 Bosque Ct, Boulder, CO 80301





Street Address Ranges Sometimes Extend Beyond Existing Address Numbers





Summary

- Using Postal Data for Jurisdiction Assignment is problematic
- Street address level geocoding is very accurate
- Data currency is critical
- Data quality is critical
- GeoTAX is the Pitney-Bowes product that adds street address level geocoding capabilities to ADP's sales tax systems.



Final CPE Question

Requirements

Log in from same e-mail address that you used to register
Stay for the full hour
Answer 2 out of 3 polling questions

Receive your certificate via e-mail in approx. 30 days.



Were today's program materials relevant and did they contribute to the achievement of the learning objectives?

- A. Yes
- B. No
- C. Not applicable



Questions & Answers



Bob Meador
Director of GeoTAX
Product Management
Pitney Bowes Group 1
Software



Tim Walsh Senior Director, Product Management ADP Taxware



Closing Items

- Reminder: CPE certificates will be e-mailed within 30 days for those of you who met all of the requirements.
- Complete our on-line survey – you could win a TomTom ONE car navigation system.
- Next Webinar
- Sales and Use TaxSystem: Insider's Tips
- Wed., August 6, 12-1pm EST.





If you enjoy the Webinar Tour, try our Seminar Series





- Free, half-day seminars in major cities across the country
- A great way to learn how your company can meet the challenge of tax compliance
- For information and on-line registration, go to
 adptaxware.com and click on the "Seminars" link.



Also check out our new Training Summit...



- Week-long training events taking place in major cities across the country:
 - July 21-25 in Chicago NEXT WEEK!
 - October 20-24 in New York City
- A great way to for your staff to get up to speed on Taxware Enterprise,
 TaxSolver, and the Sales and Use Tax System
- For information and on-line registration, go to **adptaxware.com**, click on the "Training Summit" logo on the front page

