

# **UKSLAUG**

**2014**



**GIS FOR THE MASSES**

# DISCLAIMER!

This presentation is not intended to be an endorsement or advertisement for any company or vendor. These are simply the products we use or will use in Garfield County.

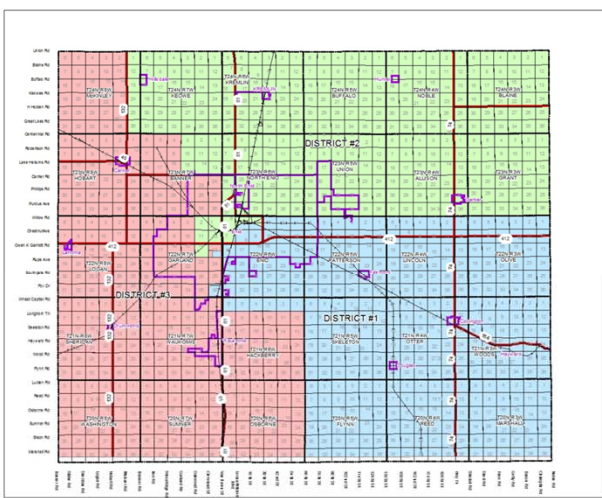
There are many great vendors and products out there that are in use by assessors all over the United States and we could not do our jobs adequately without our vendor partners!

Thanks to everyone that assisted in this PowerPoint!









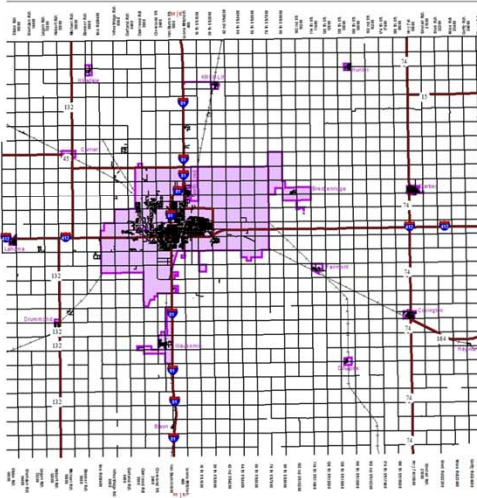
# COUNTY COMMISSIONER DISTRICT MAP

## Legend

- T20N-RAW Road
- Township Name
- Township Line
- Section Number
- Mari Boiz District 1
- Reese Wedel District 2
- James Symsek District 3
- Highway
- Highway Number
- Railroad Line
- City Name
- City Limits

Scale : 1" = 3.5 miles

This map is for assessment purposes and is not intended for making conveyances or for preparing legal descriptions.  
Copyrighted 1992-2007 by the GARFIELD COUNTY ASSESSOR, Enid, OK.



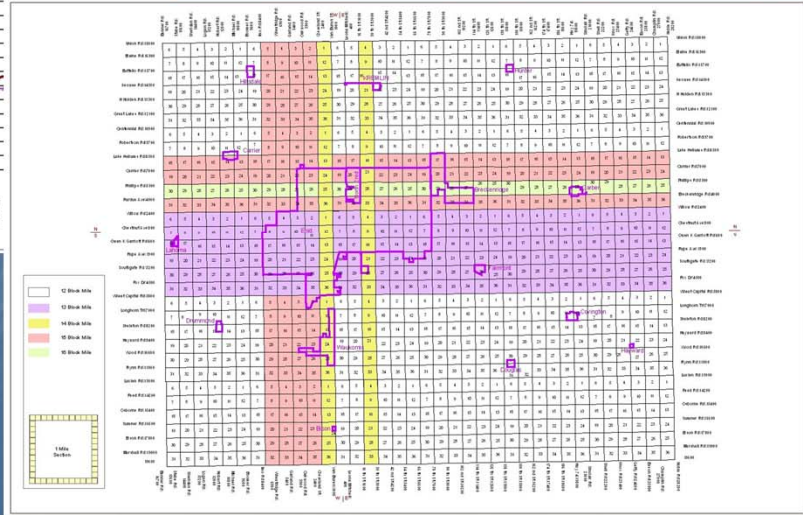
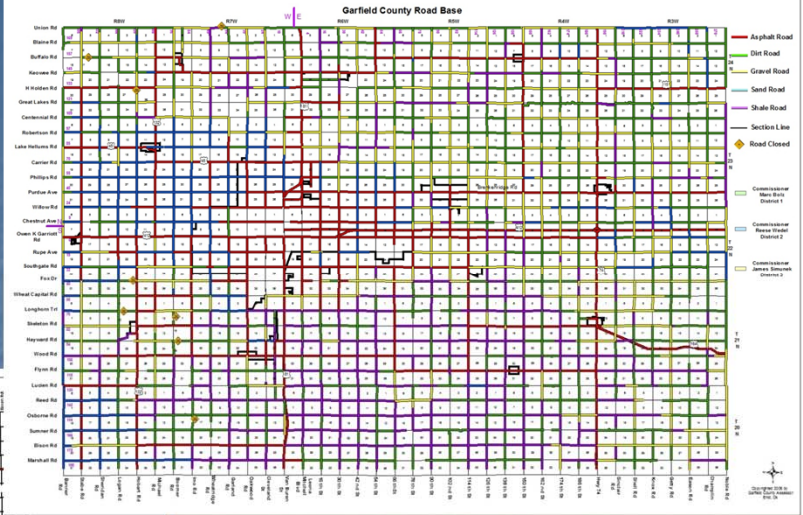
# GARFIELD COUNTY TOWNSHIP MAP

## Legend

- T20N-RAW Road
- Township Name
- Township Line
- Section Number
- L. Patterson Ownership Name
- Ownership Line
- Highway Number
- Highway
- Section Rd Name
- Section Rd Line
- Railroad Line
- City Name
- City Limits

Scale : 1" = 3.5 miles

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Copyrighted 1992-2007 by the GARFIELD COUNTY ASSESSOR, Enid, OK.







# 1995 Aerial Photography

(our 1<sup>st</sup> generation of digital orthographic aerals, 1 meter)





# 2008 Aerial Photography

(our 3<sup>rd</sup> or 4<sup>th</sup> generation digital orthographic aerials, 2 meter)









# With Technology and an Educated Public, Expectations and Business Requirements Have Changed;

- Historically, GIS has been used to support mapping along with basic visualization and data sharing
- Today's business environment has changed these requirements.....

**NY assessment appeals near record**

**Falling Values, Rising Taxes**  
Thousands Of Property Owners Are Contesting Assessments In An Effort To Rein In Tax Bills

**Hundreds appeal skyrocketing Jackson County property tax assessments**

# GIS Supporting the Assessment Process

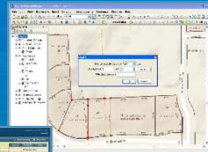
Maintain Assessment Roll

Valuation Analysis

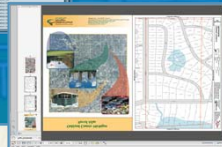
Public Communication

Quality Control

Parcel Editing

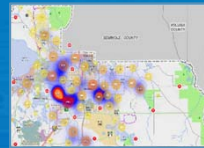


Map Production



Address Management

Foreclosure Mapping



Property Appraisal



CAMA Visualization

Construction Permit Visualization



Sales Comparison



Modern Public Access



Social Media



# GIS is Transforming the Assessor's Office

Providing Capabilities for Today's Challenges

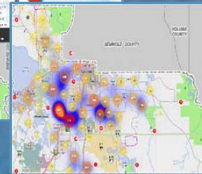
## Find New Revenue

- Unpermitted Construction
- Missing Real Property
- Missing Addresses



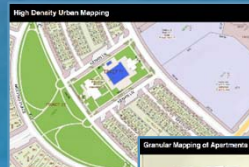
## Improve Public Relations

- Accessible Authoritative Data
- Executive Access to Business Data
- Platform for Citizen Collaboration
- Executive Awareness of Local Issues



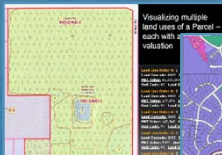
## Improve Government Operations

- Emergency Management
- Public Safety
- Planning and Community Development
- Code Enforcement and Permit Review



## Reduce Appeals

- Defensible Valuation Process
- Dissemination of Authoritative Data
- Public Access to Appraisal Information
- Quality Control Process

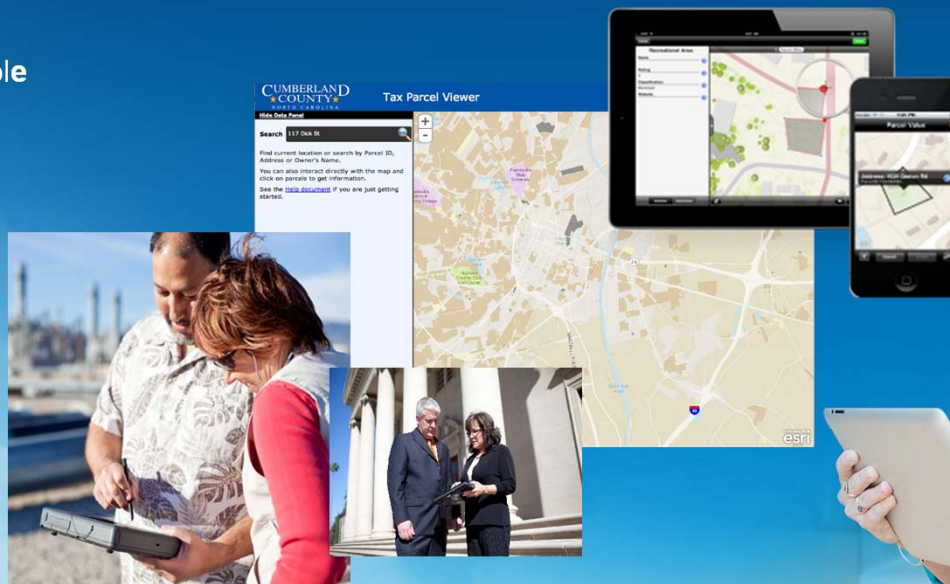


# GIS is Transforming the Assessor's Office

Providing Capabilities for Today's Changing Requirements

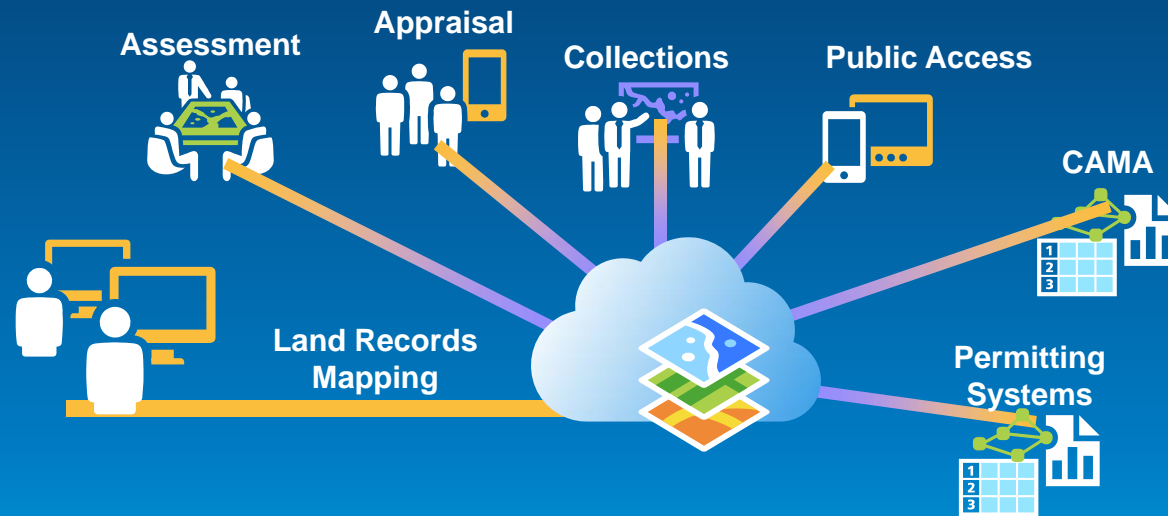
## Improved Communication with Internal and External Constituents

- Device Aware
- Easy to Use
- Intuitive
- Easily Accessible

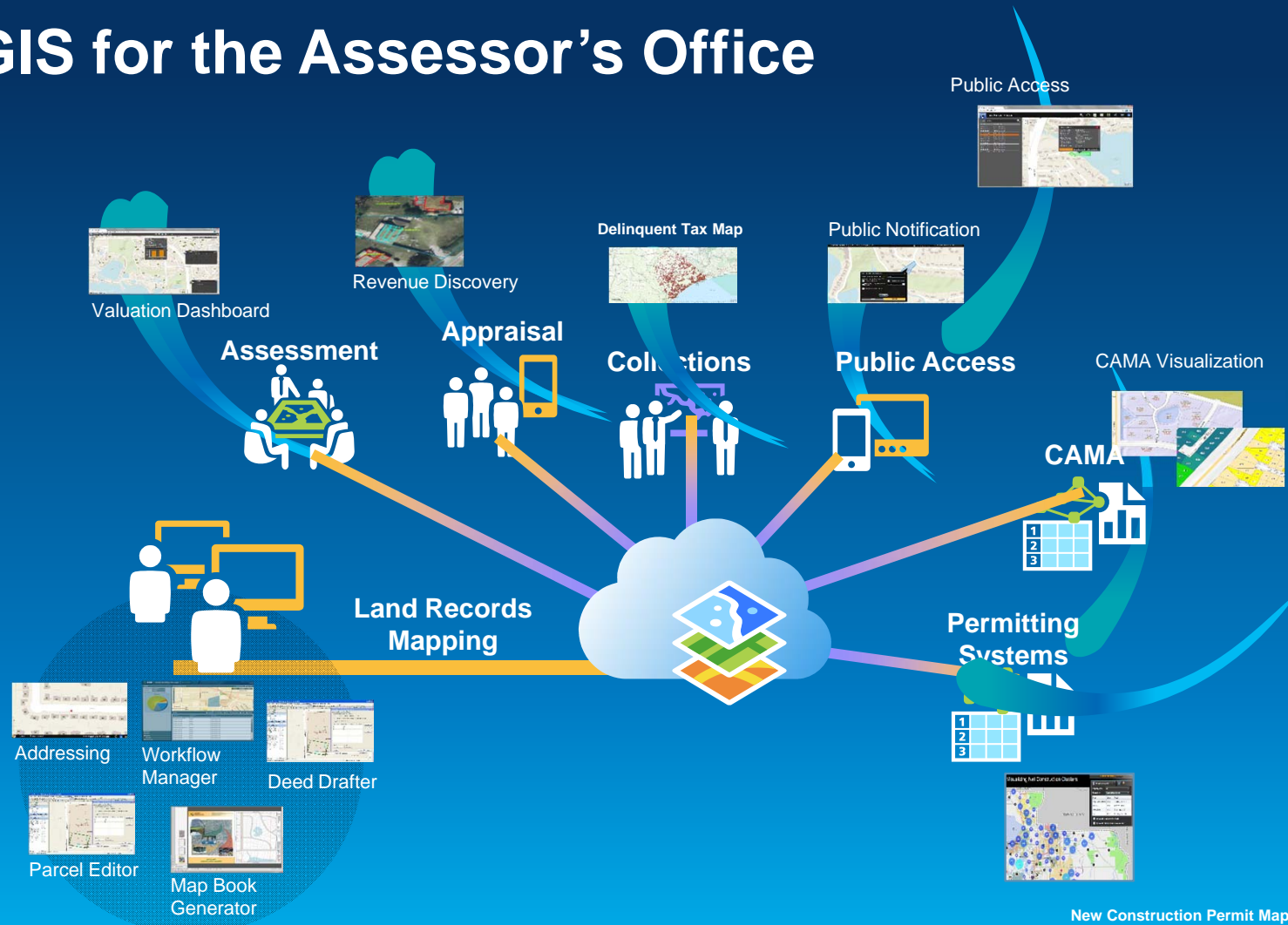


.....A continuously evolving process.

# GIS for the Assessor's Office



# GIS for the Assessor's Office





# Garfield County Assessor

Wade Patterson

lwade@garfieldcountymail.com

114 W. Broadway Room 106 | Enid, Oklahoma 73701 | 580-237-0220 | Hours: 8:00 AM - 4:30 PM Monday - Friday



## Garfield County Assessor

114 W. Broadway Room 106

Enid, Oklahoma 73701

580-237-0220

Hours: 8:00 AM - 4:30 PM

Monday - Friday



Home

Meet Wade

About Us

Our Location

Latest News

Parcel Search

Tax Rates

Information

Important Dates

Download Forms

Contact Us

County Contacts

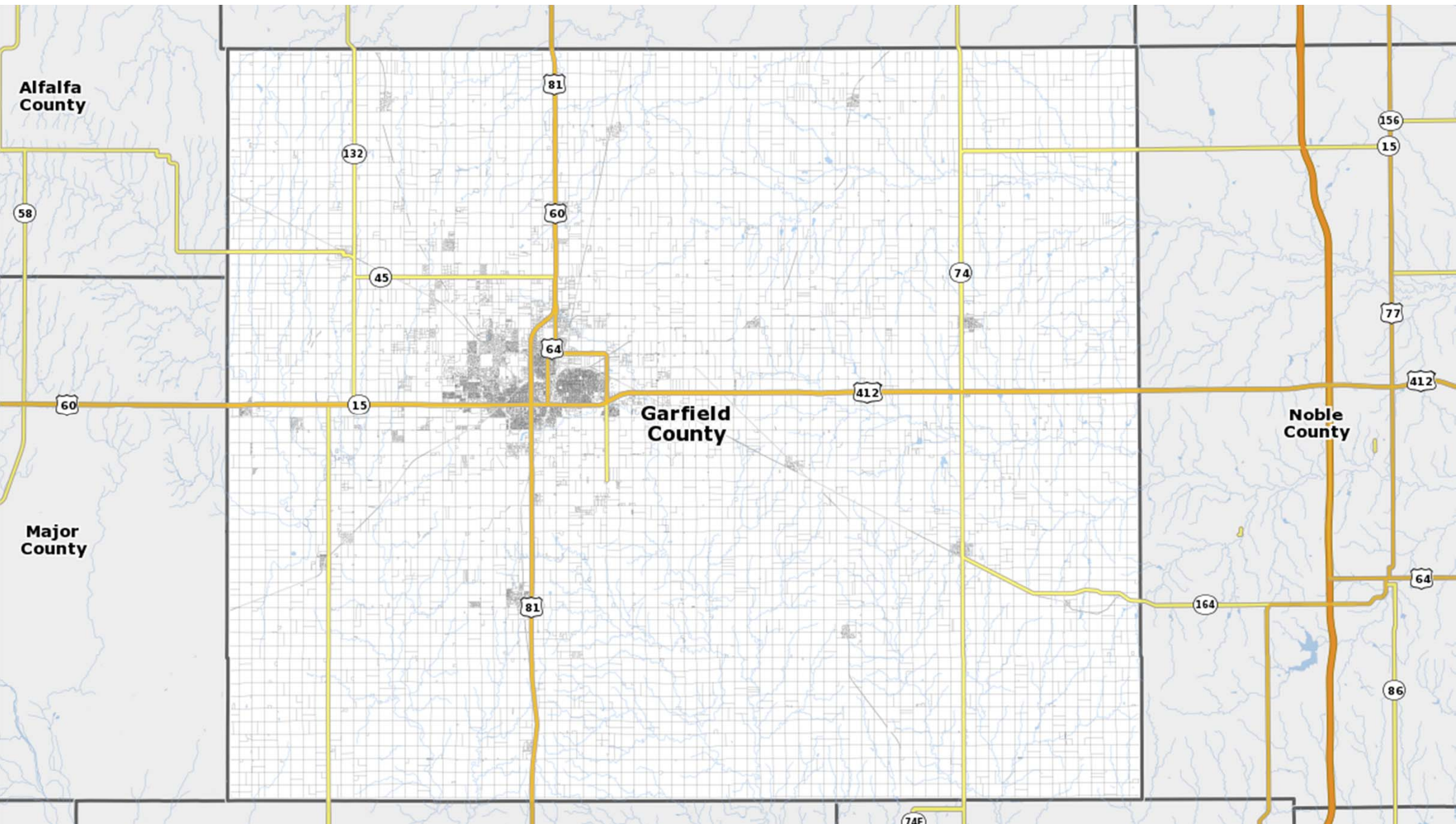
Welcome to the Garfield County Assessor's new Web site. We understand your time is valuable and appreciate you spending some of it with us. We will do everything in our power to make sure this time is well spent.

While you're here, be sure to check out the parcel search. We have both a free and subscription version for you to select from. A great tool for those late night work sessions.

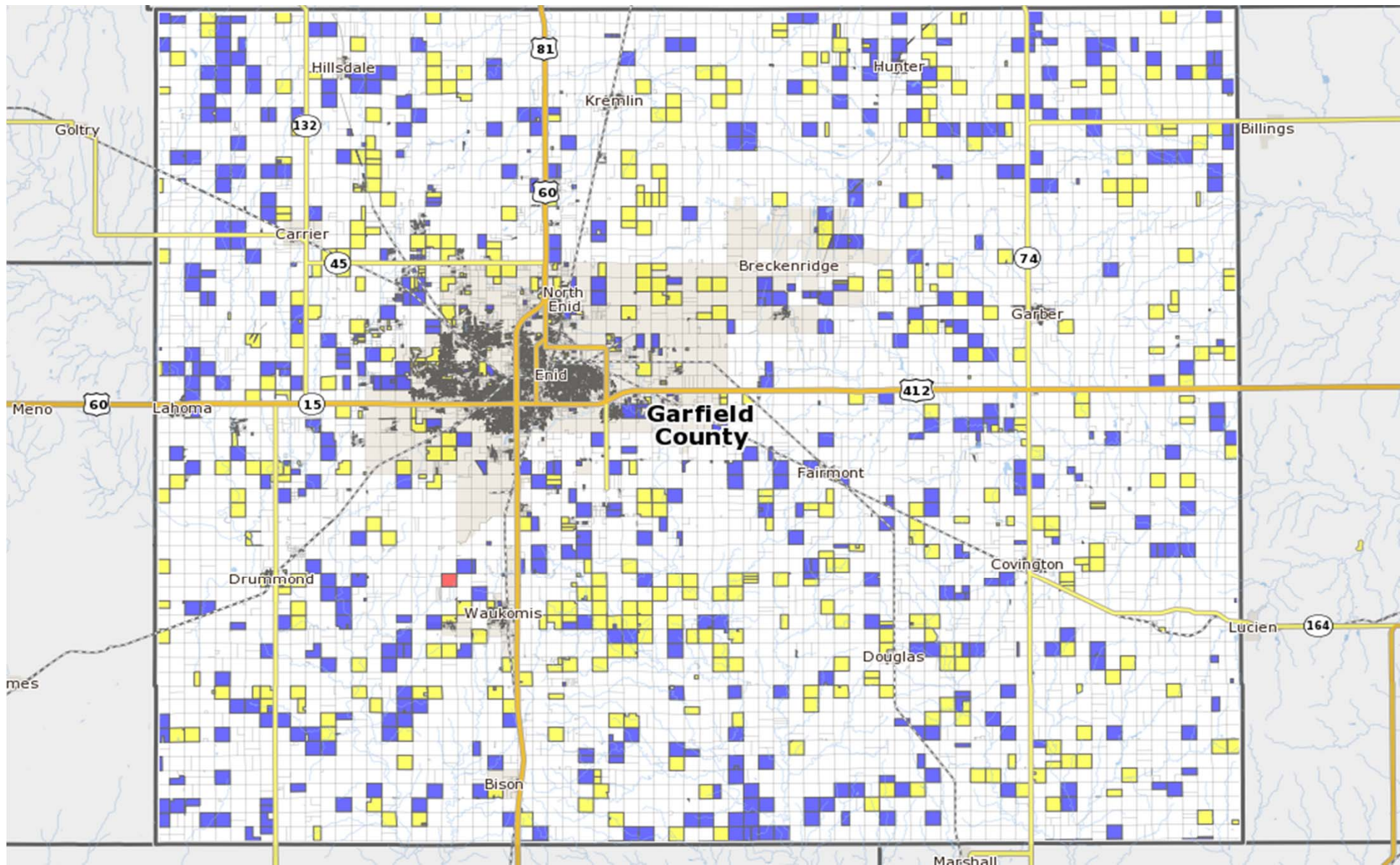
Have trouble remembering important tax dates? Let us remind you by email of those upcoming dates. Sign up today.

Who said a Web site for a county office had to be boring? It wasn't us! For a bit of fun, meet some of the folks who work in our office.

Our users, people like you, are helping to drive the development of this site. We listen to and consider all suggestions that we receive so tell us what you think.

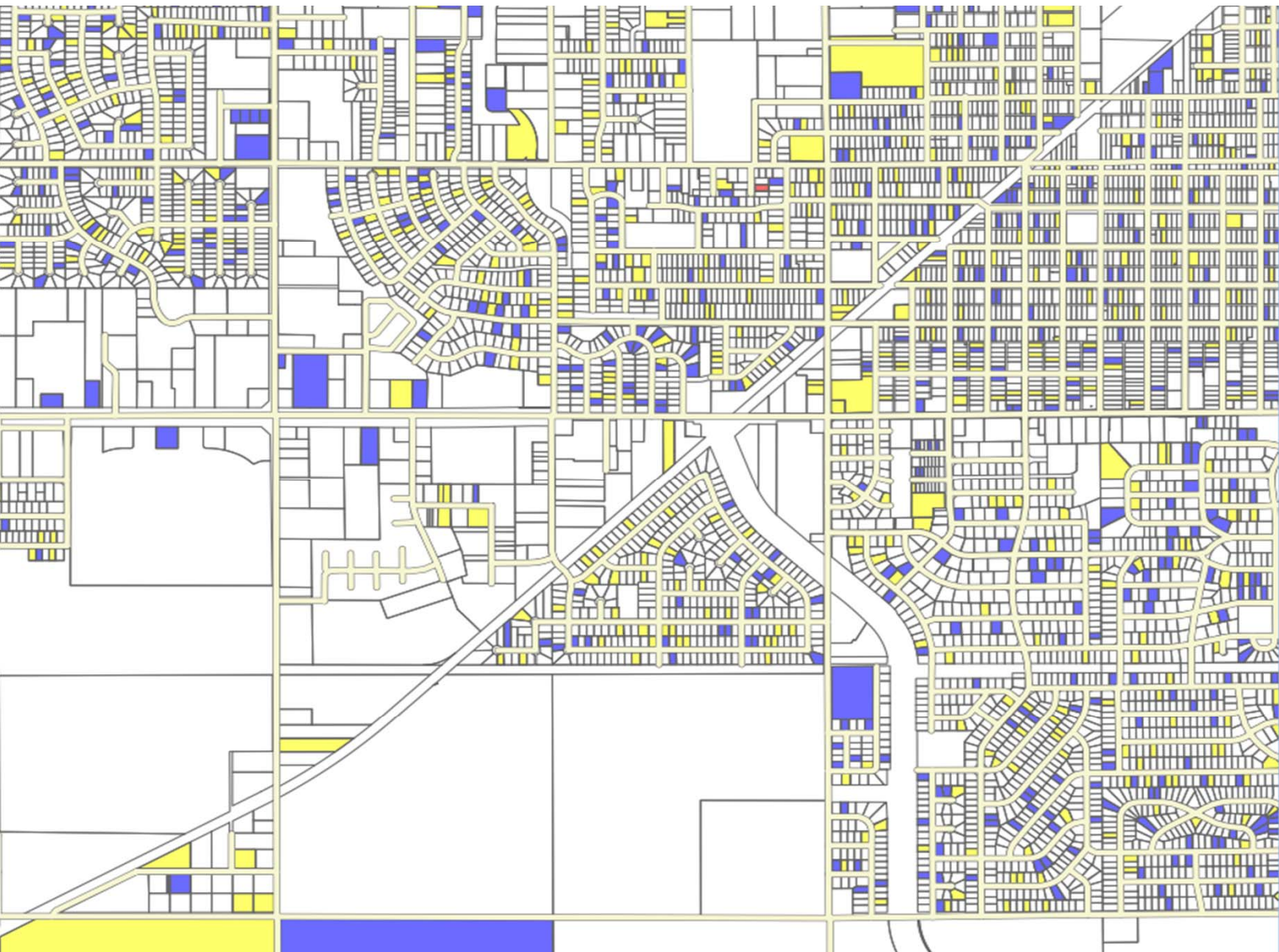












Reports	
Parcel	+
Parcel List	+
Legend	-

**Active map layers:**

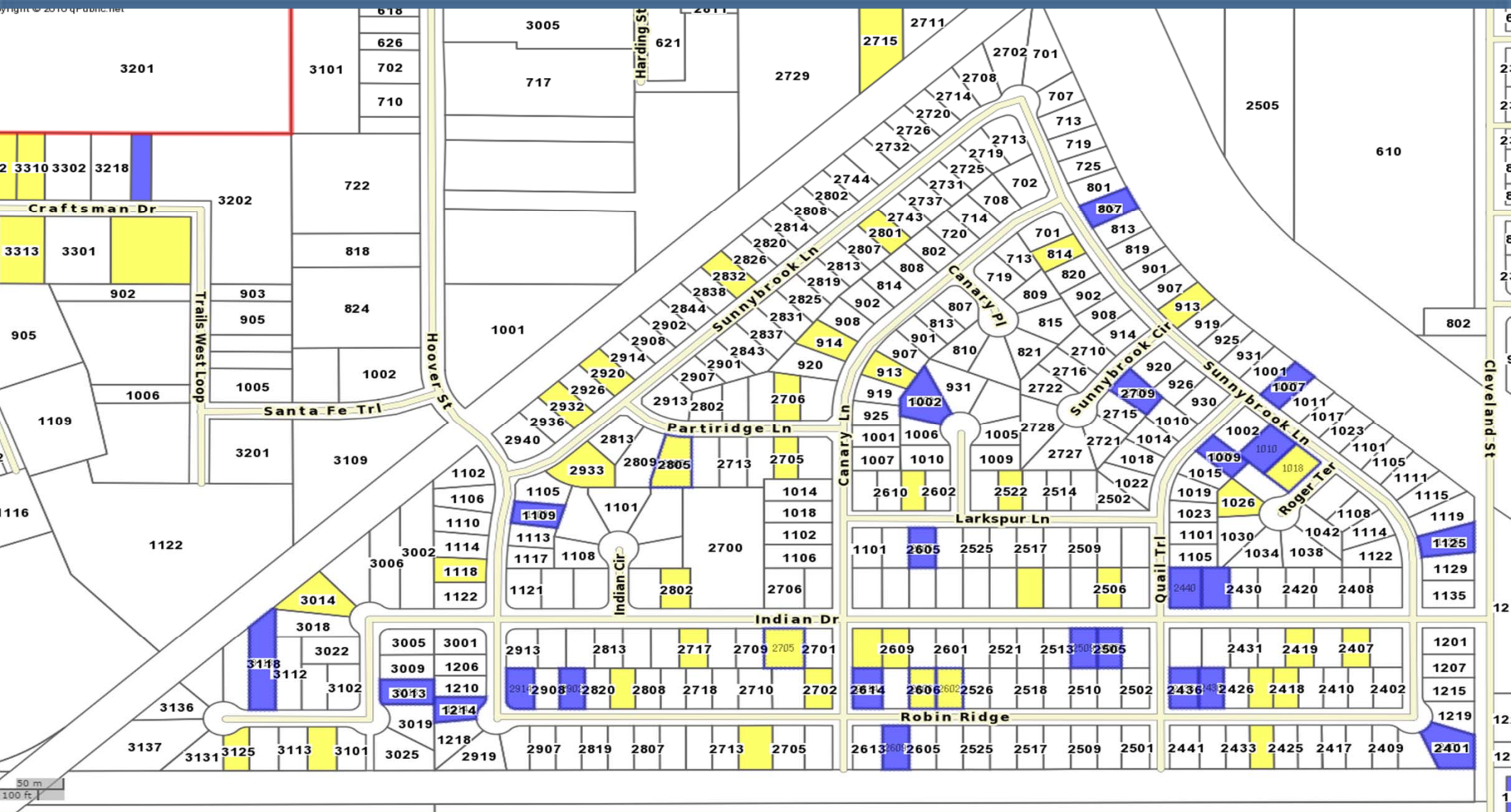
Lakes/Rivers from US Census Dept, may not match parcels exactly

Yearly Parcel Sales

2014+ Parcel Sales

2013 Parcel Sales

2012 Parcel Sales













Robin Ridge











18 2:15 PM



## Appraisal Example (cost approach)

- 10' x 40' Steel monopole, 2 sided, wood face,  
20' HAGL, illuminated, platforms and aprons

■ Base rate:	400 sf x 42.31	=	16,924
■ Additional Side:		=	1,050
■ HAGL adjustment:	-25%	=	(-4,494)
■ Back to back flag:	+15%	=	2,696
■ Lighting (per surf.)	1,200 x 2	=	2,400
■ Platforms (linear ft.)	80' x 12.35	=	988
■ <u>Aprons (linear ft.)</u>	<u>80' x 15.00</u>	<u>=</u>	<u>1200</u>
■ Total Replacement Cost New:			\$20,764

- Prices from 2003 Texas Field Appraiser's Guide







364-00

315-00

0000-31-21N-04W-1-315-00

## Farm Personal Property Located

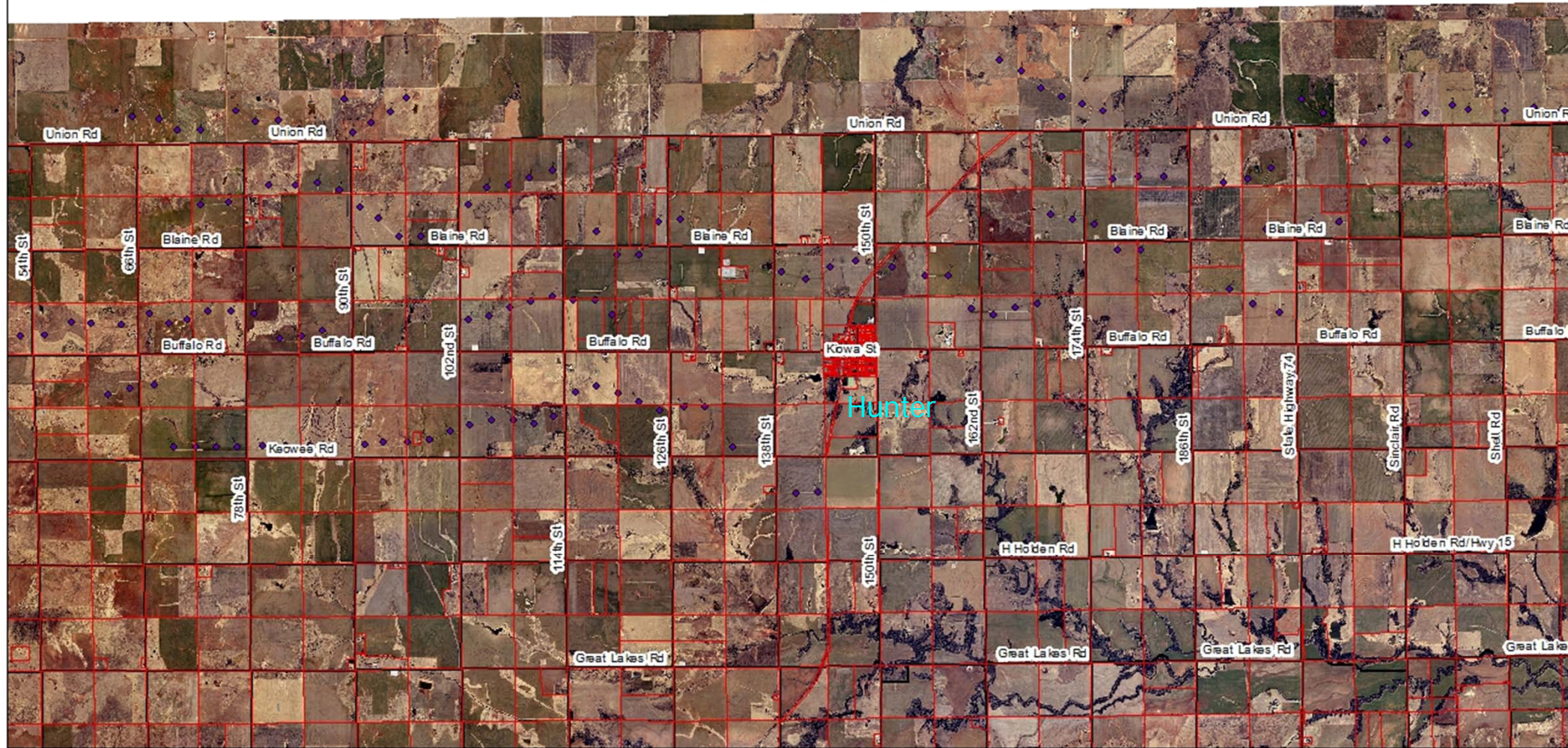
None of this equipment was rendered to the assessor's office.

Resulted in over \$1.5 million in valuation, which led to over \$85,000 in taxes due!

Making this owner one of the top 15 taxpayers in this school district (lowering everyone else's taxes in the district).

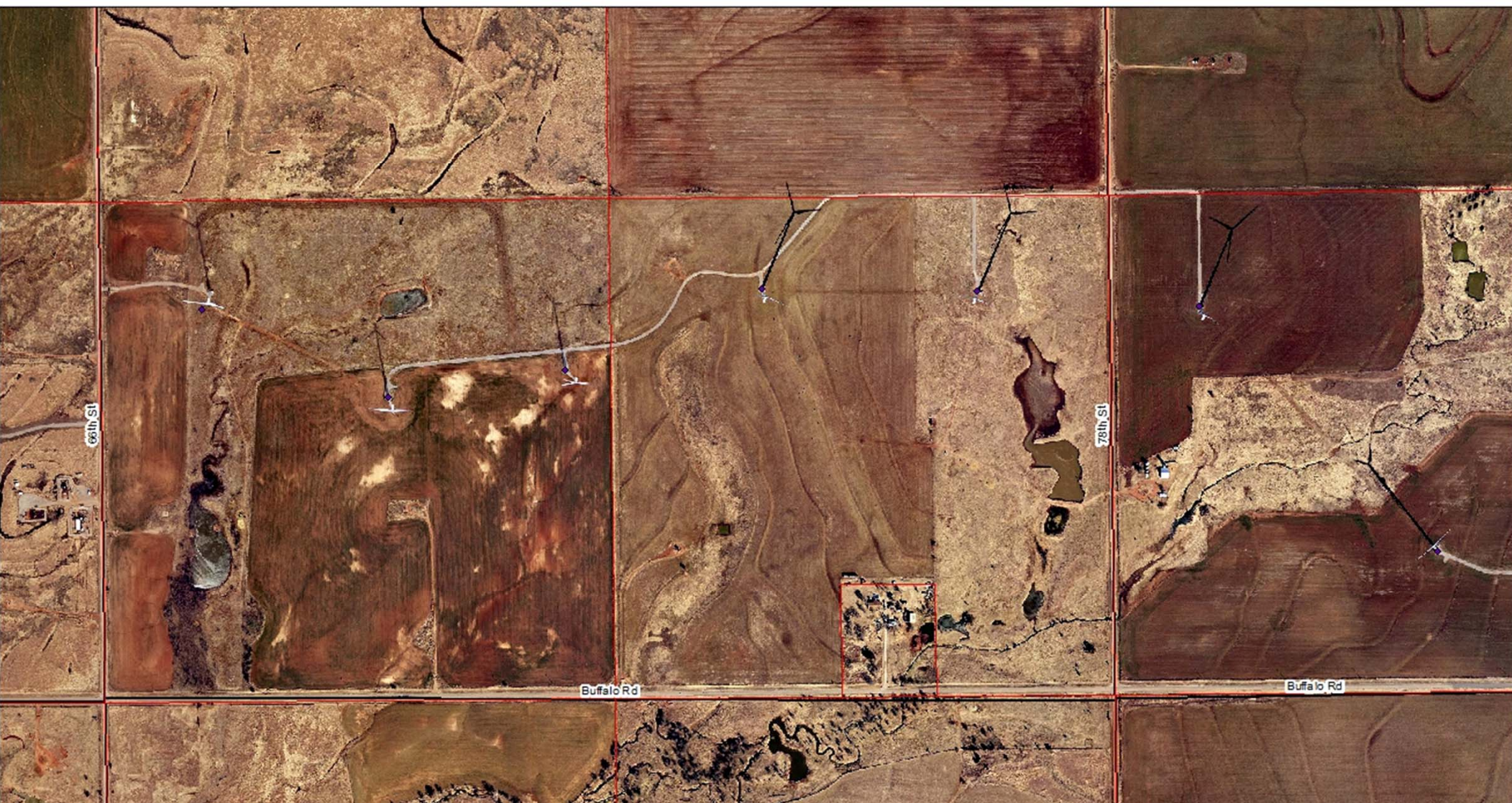


## Chisholm View Wind Farm



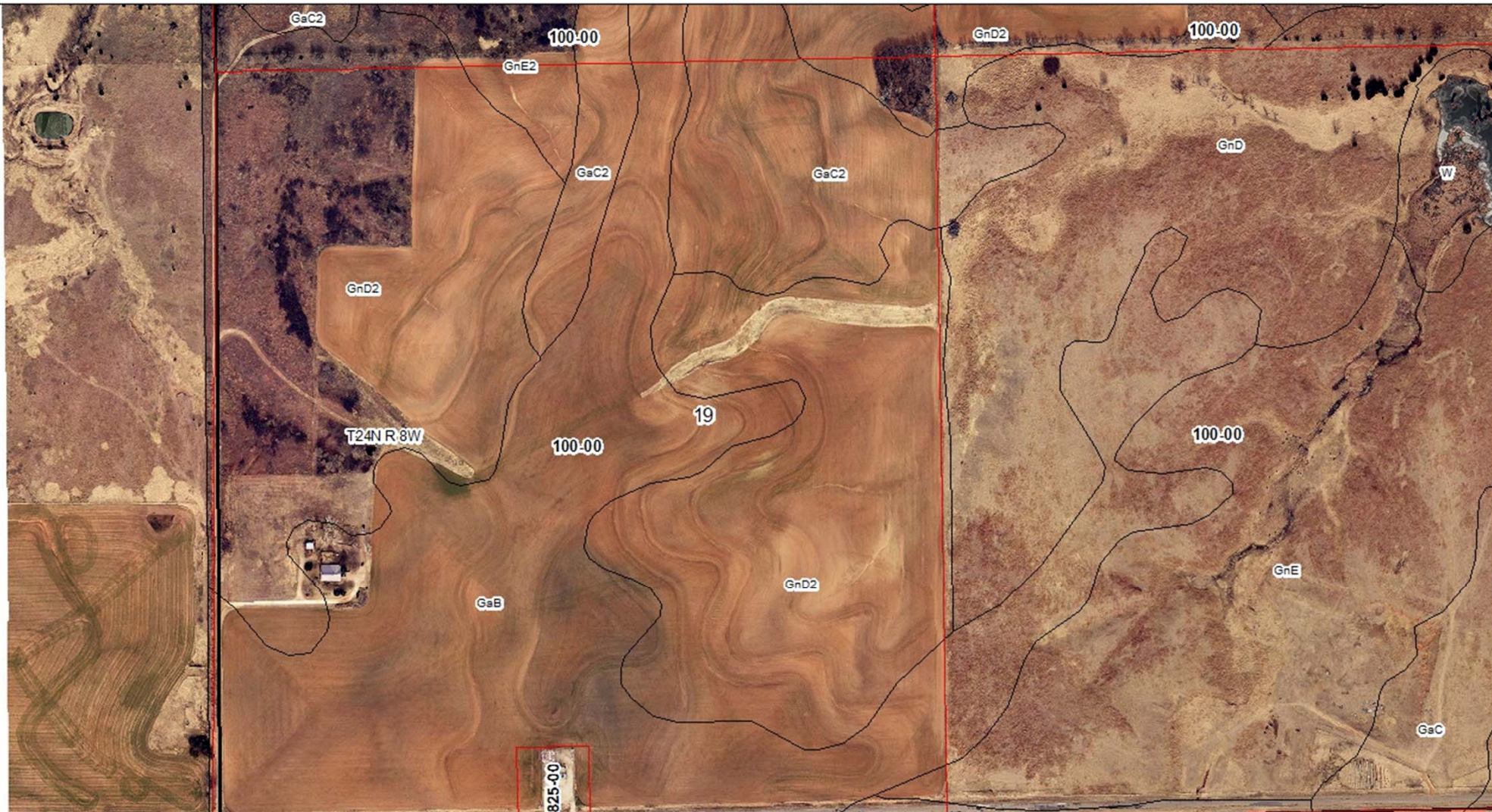


Garfield County Wind Turbines



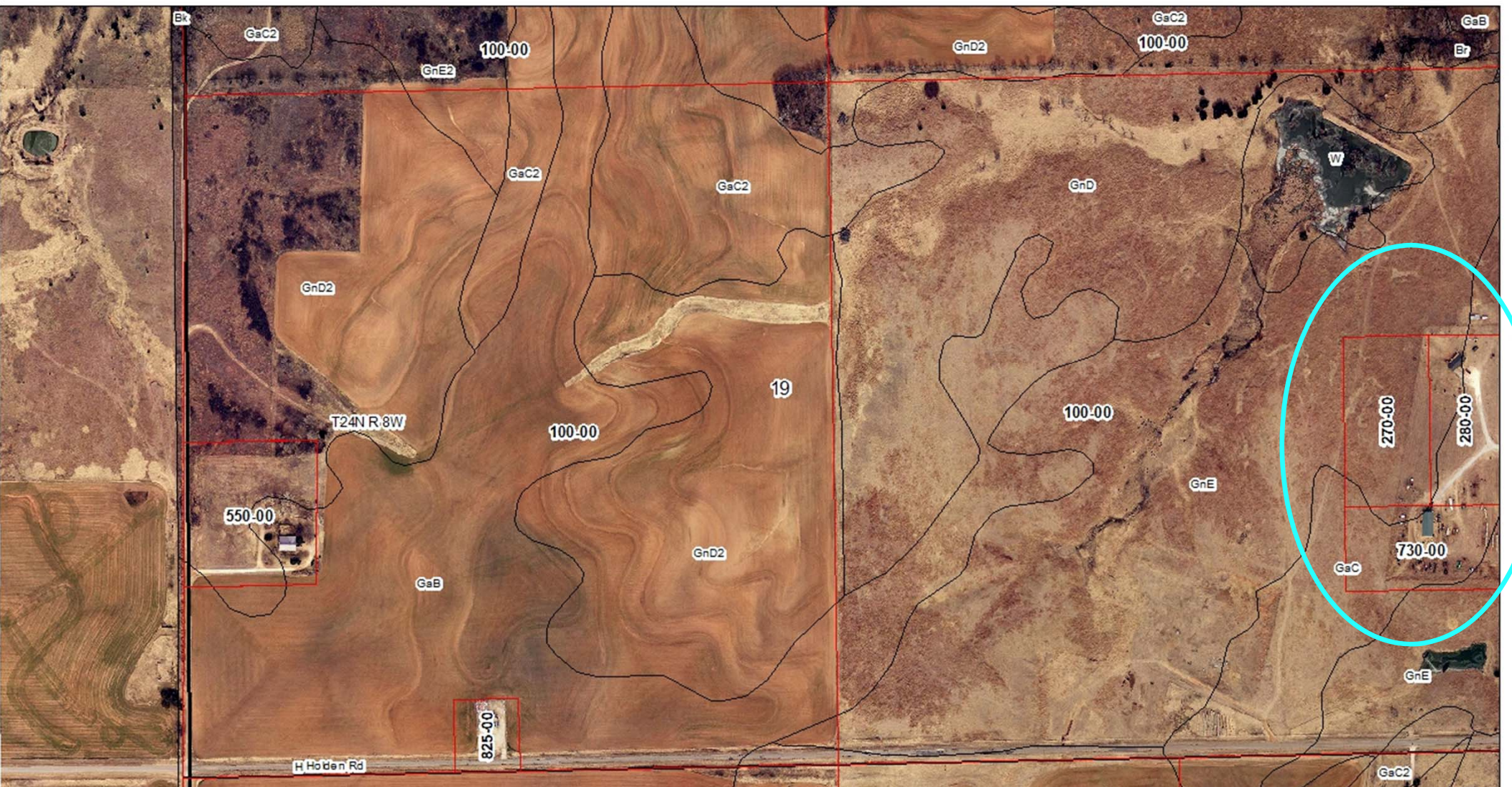


Soil Map  
Before Land Split



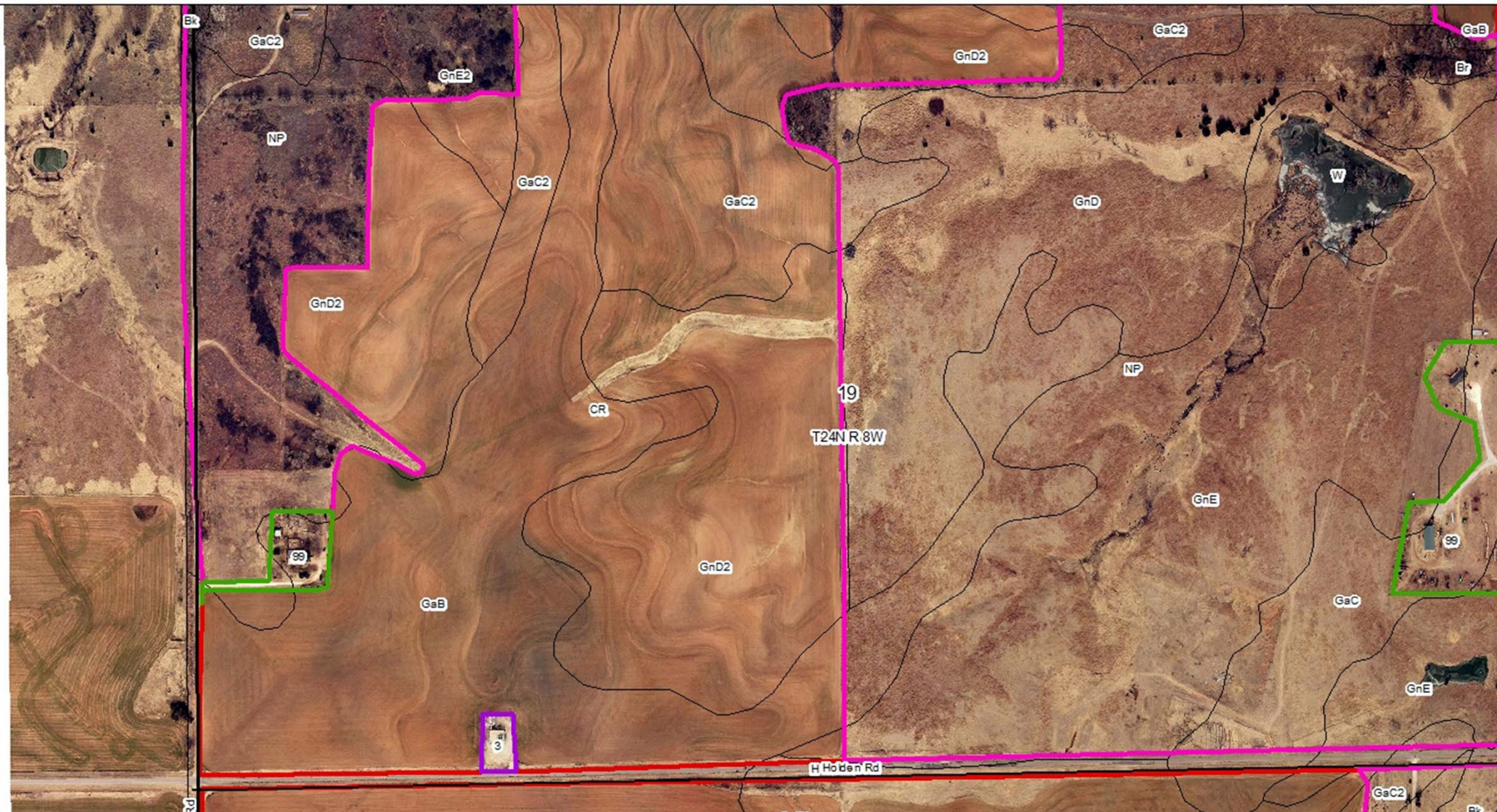


Soil Map  
After Land Split

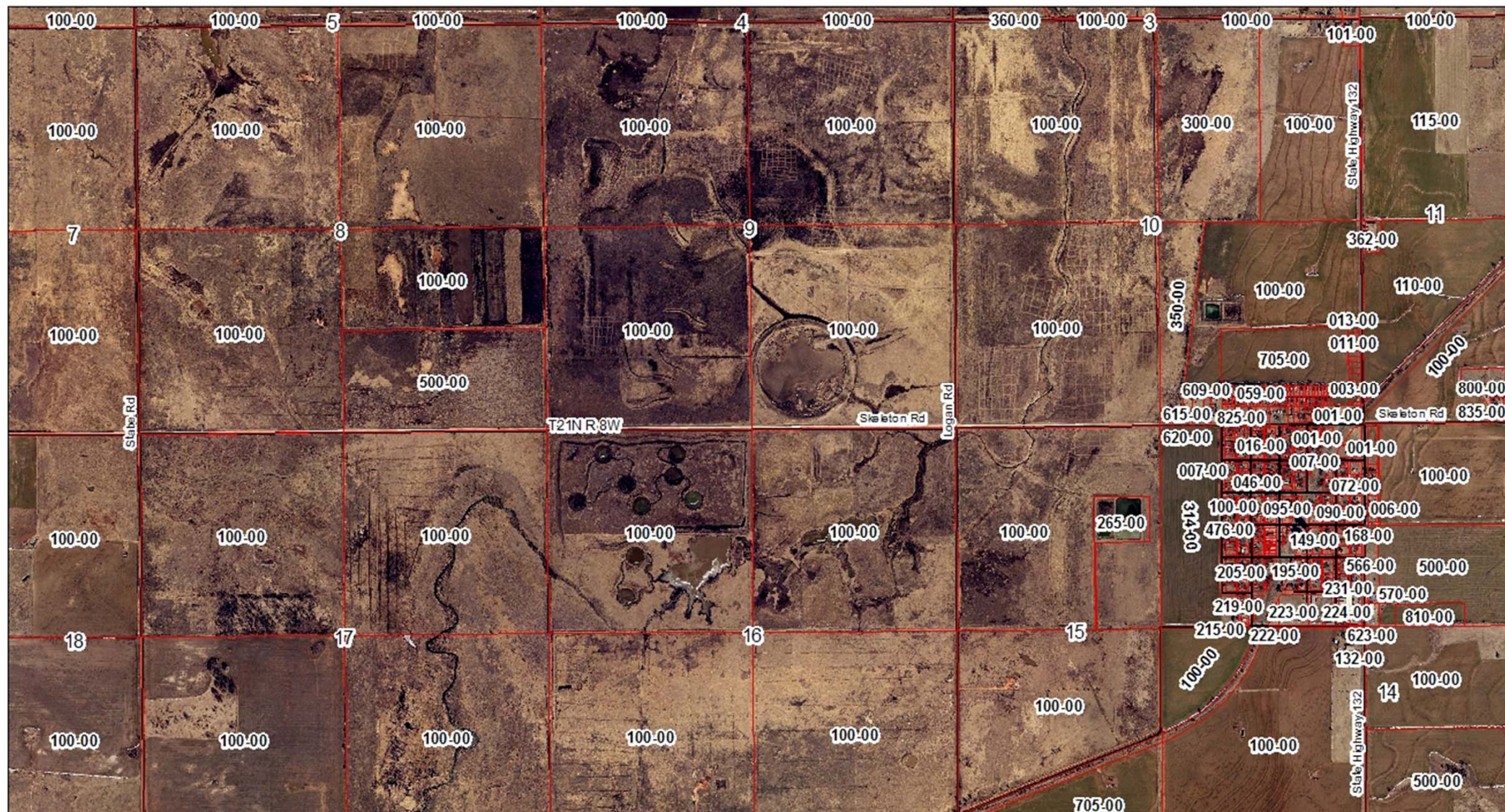




# Land Use

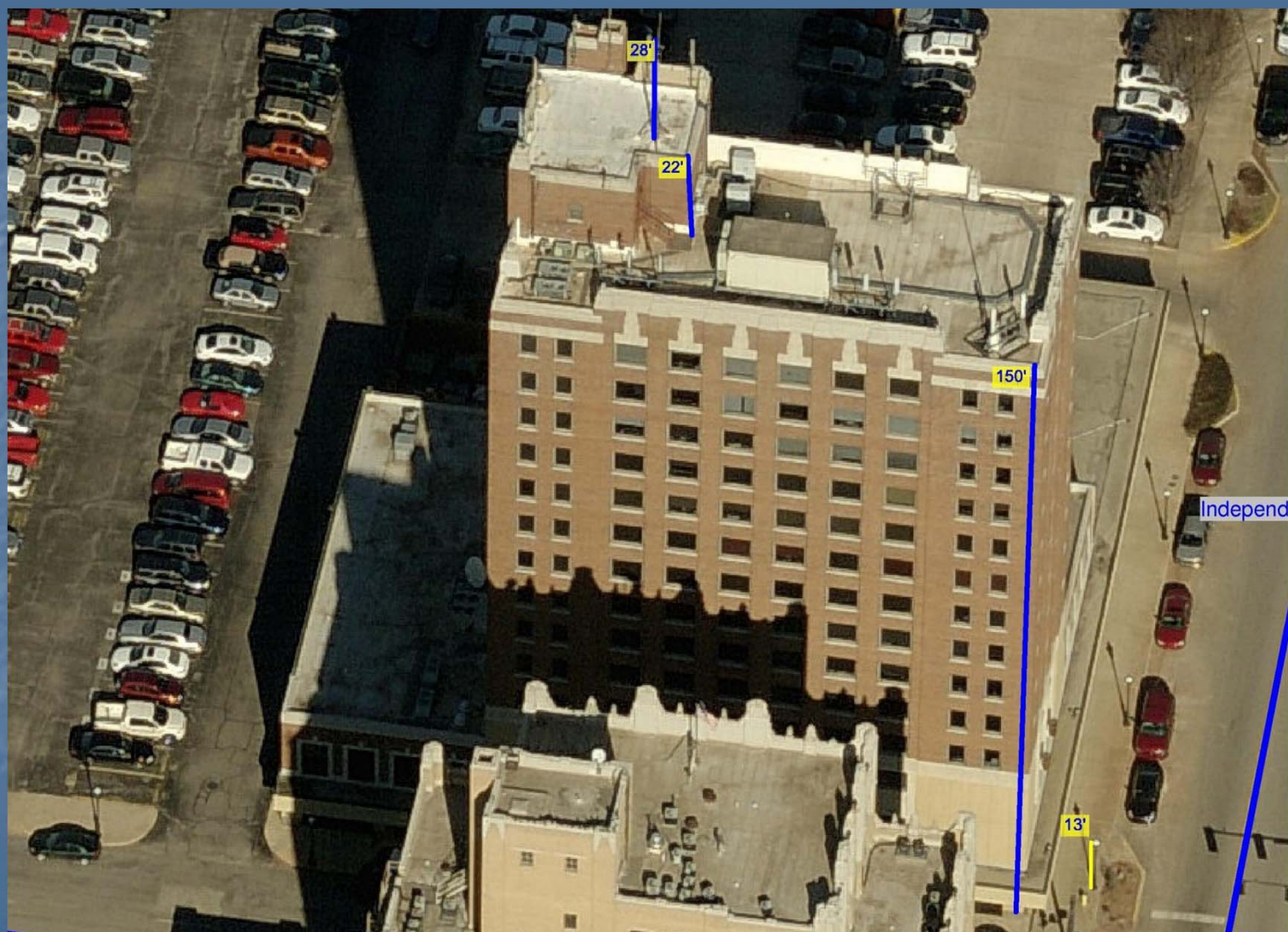




Wet Land Project  
2014

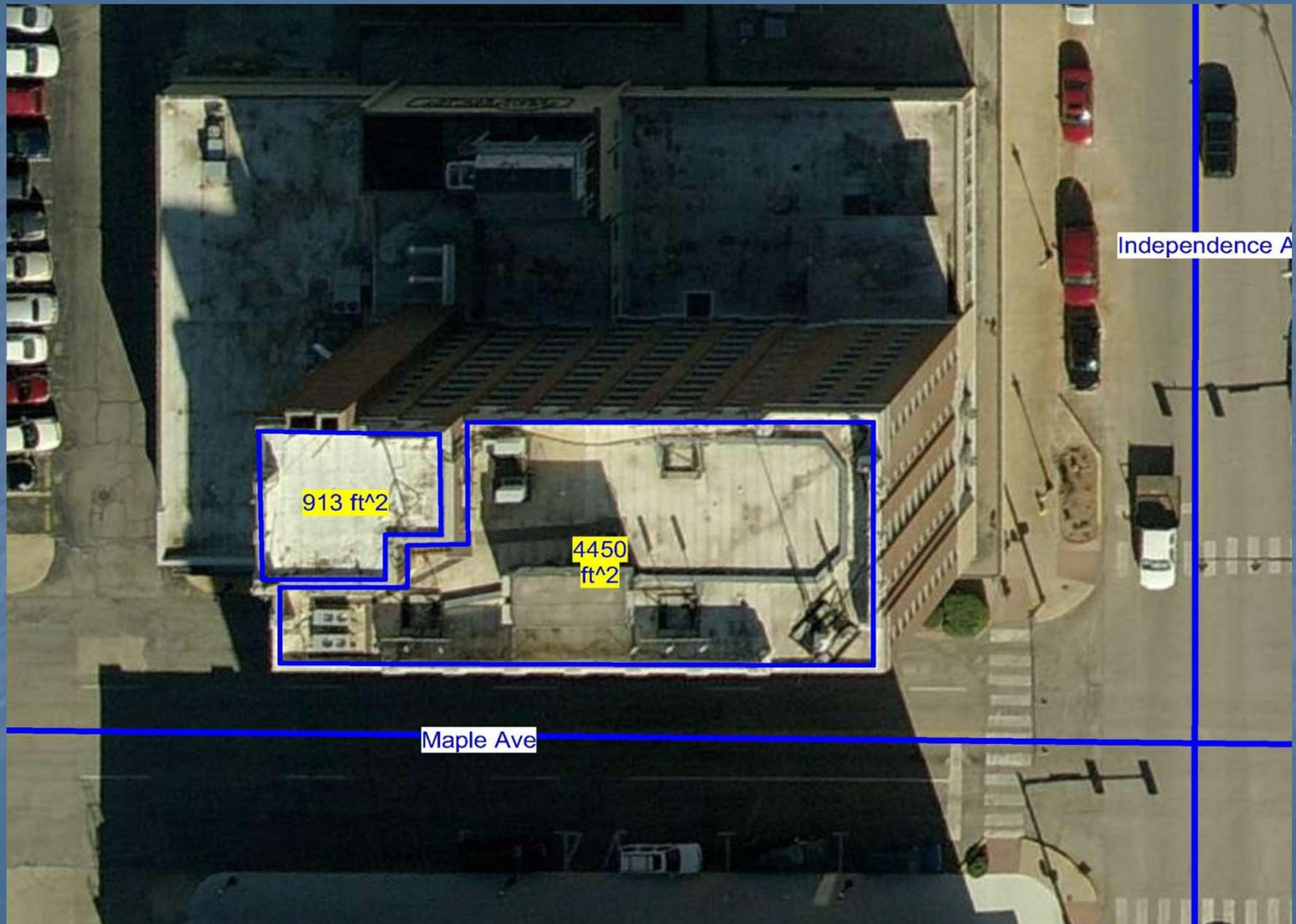


## 2008 Pictometry Oblique w/measurements





## 2008 Pictometry Ortho w/measurements







### Search Results

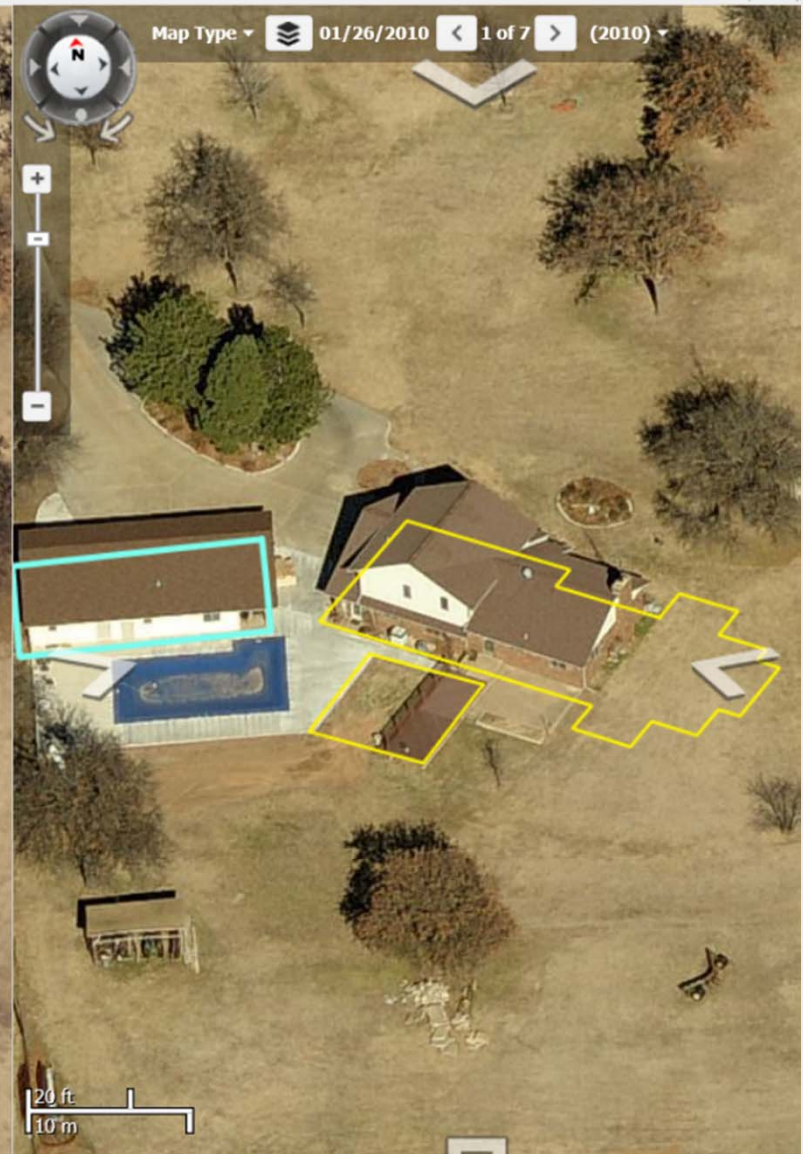
JEHLICKA, VONDA L 6525 W  
PHILLIPS AVE 0000-28-23N-07W  
2-300-00

Bookmark Hide Features Export

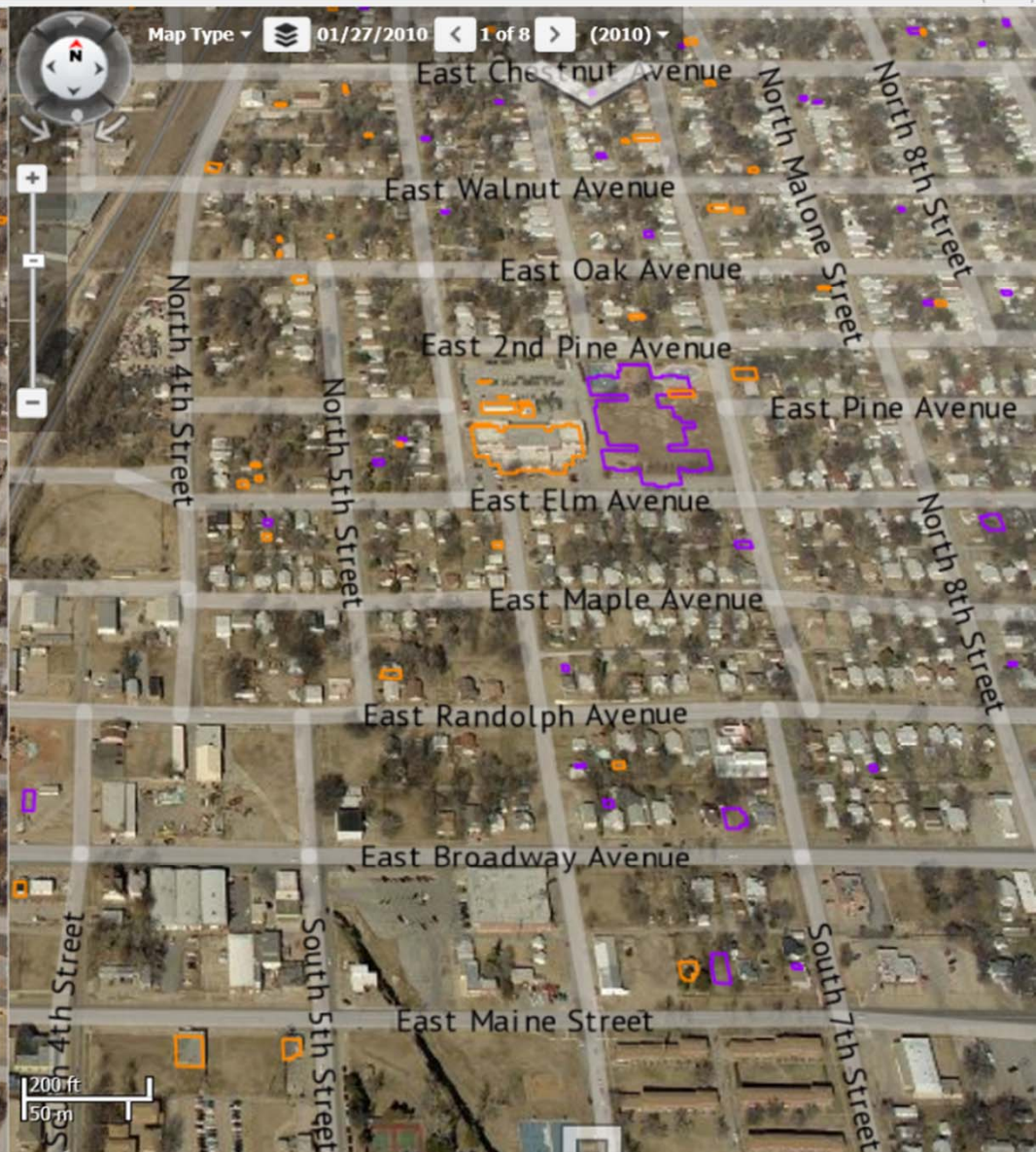
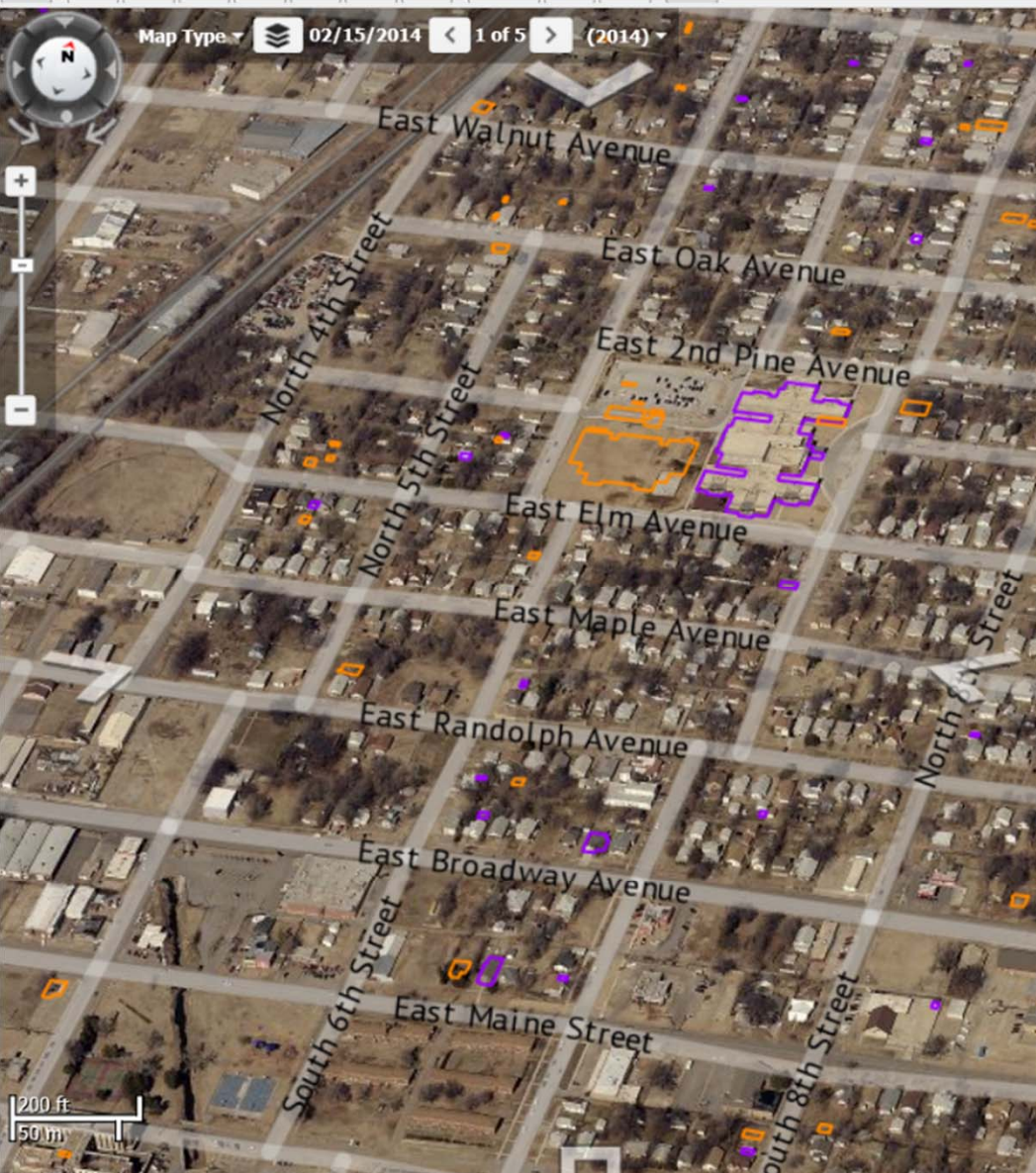
Your search returned 1 result(s) total.

### PARCELS1 (1)

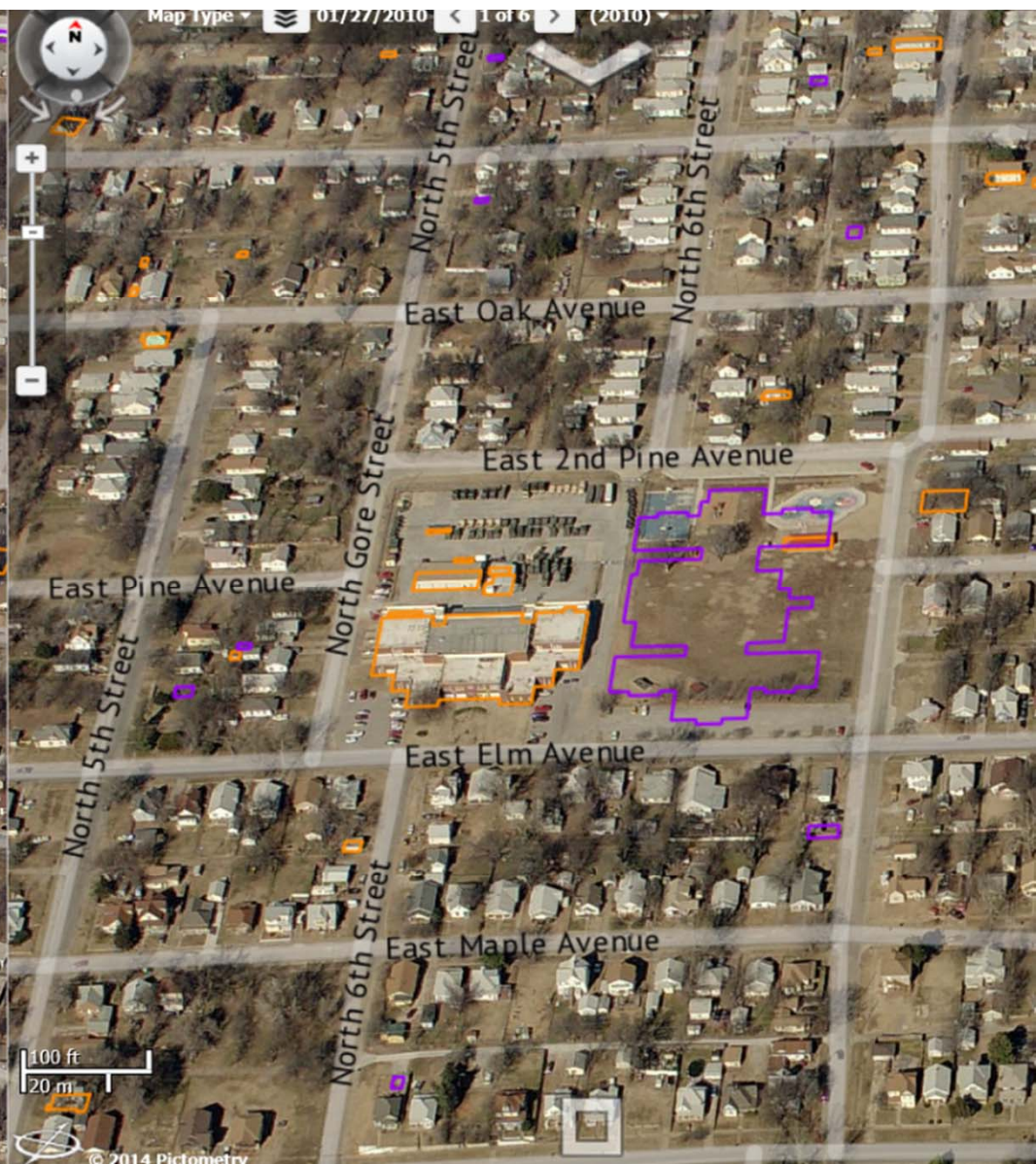
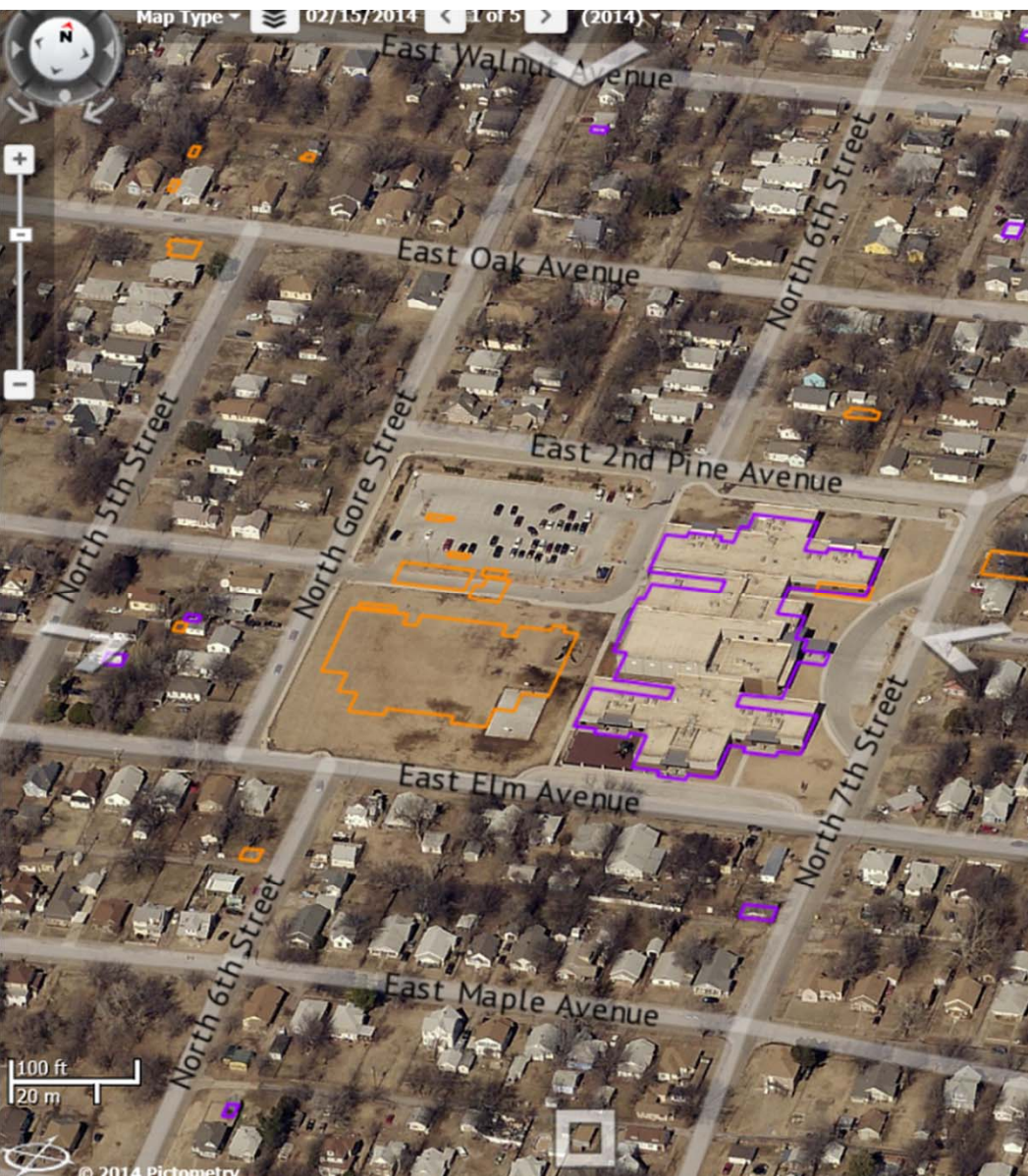
**JEHLICKA, VONDA L 6525 W PHILLIPS AVE.**  
Owner Name: JEHLICKA, VONDA L  
Situs Number: 6525  
Situs Direction: W  
Situs Name: PHILLIPS AVE  
Parcel Number: 0000-28-23N-07W-2-300-00



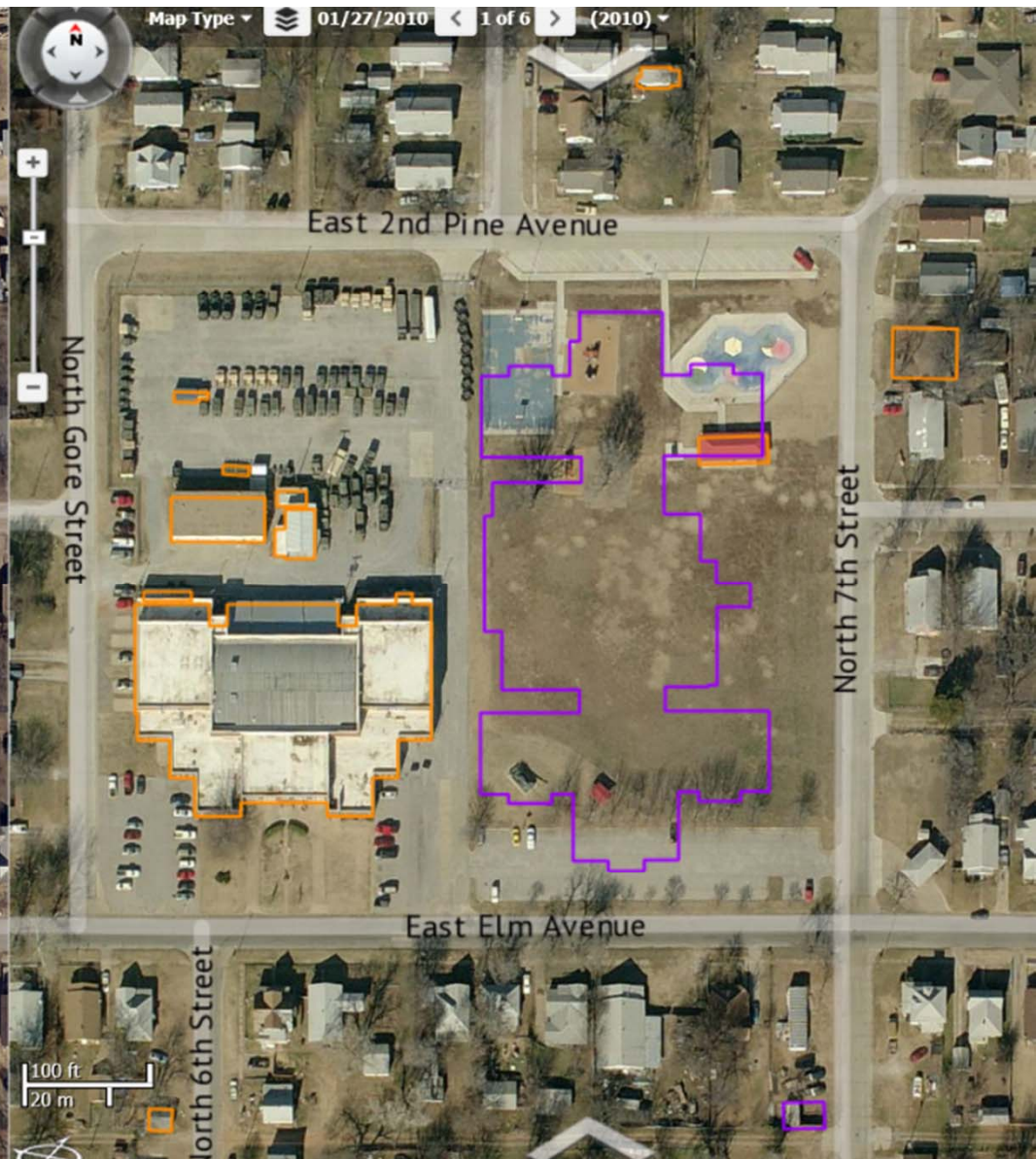
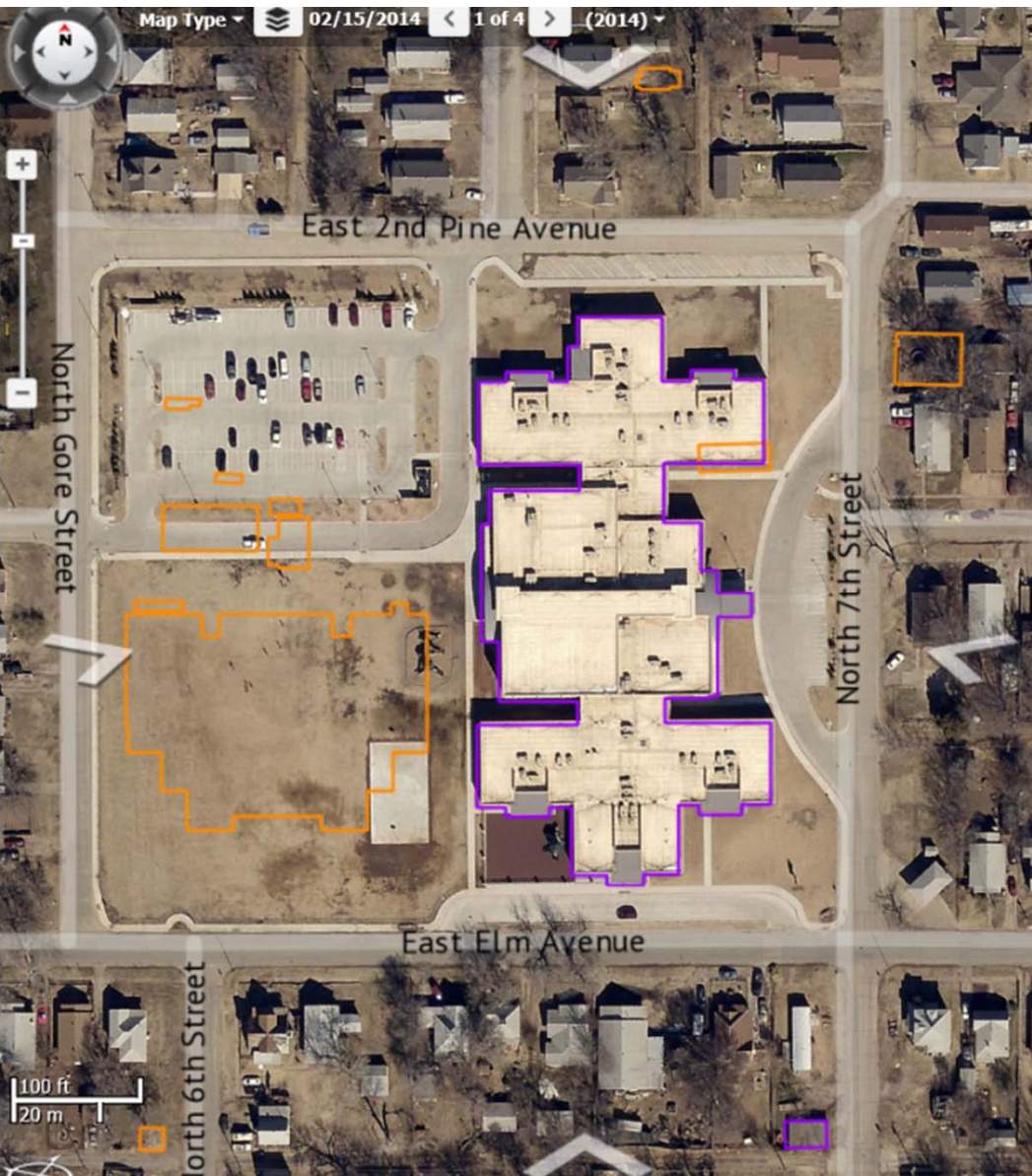














Search Results

**PORTOFINO ENTERPRISES INC**  
88 ABBY RD NORTH ENID 6573-00-001-006-0-006-00

Bookmark Hide Features Export

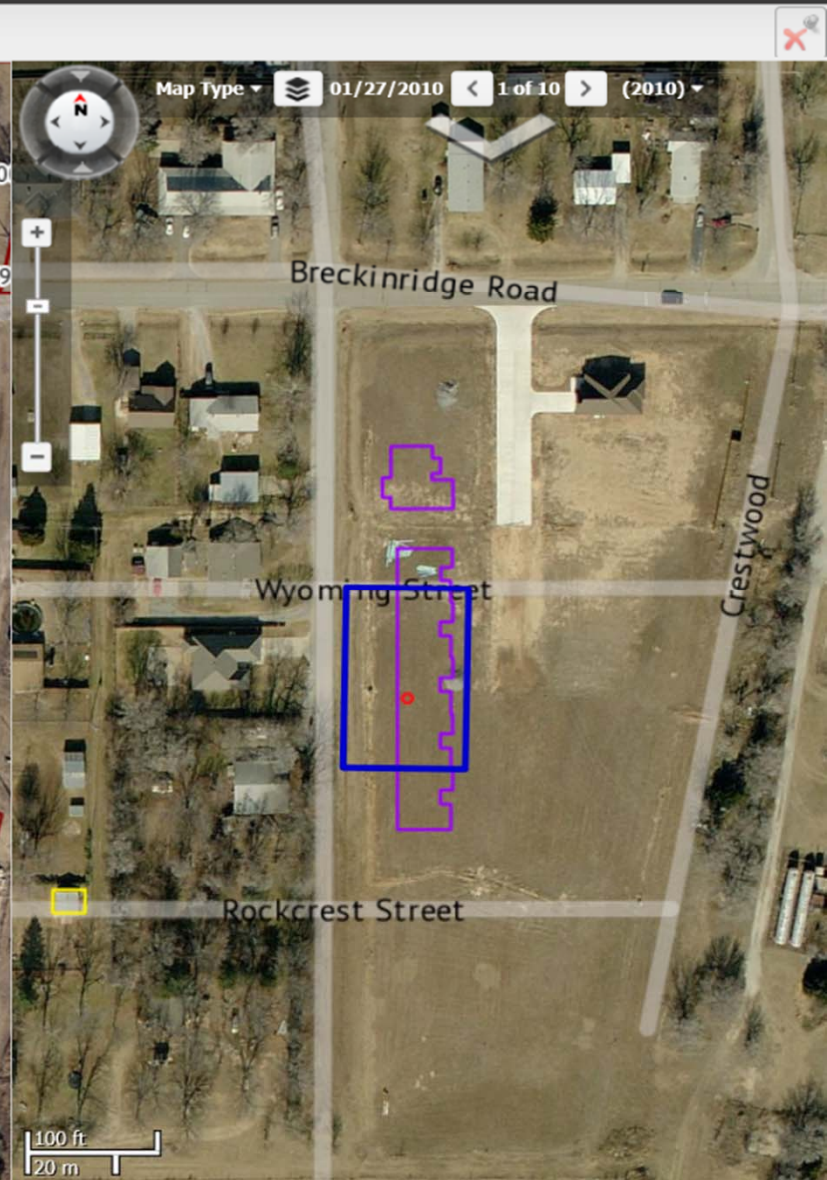
Results By Layer

BLOCKS	1
LOTS	1
NEIGHBORHOODS_WADE_	1

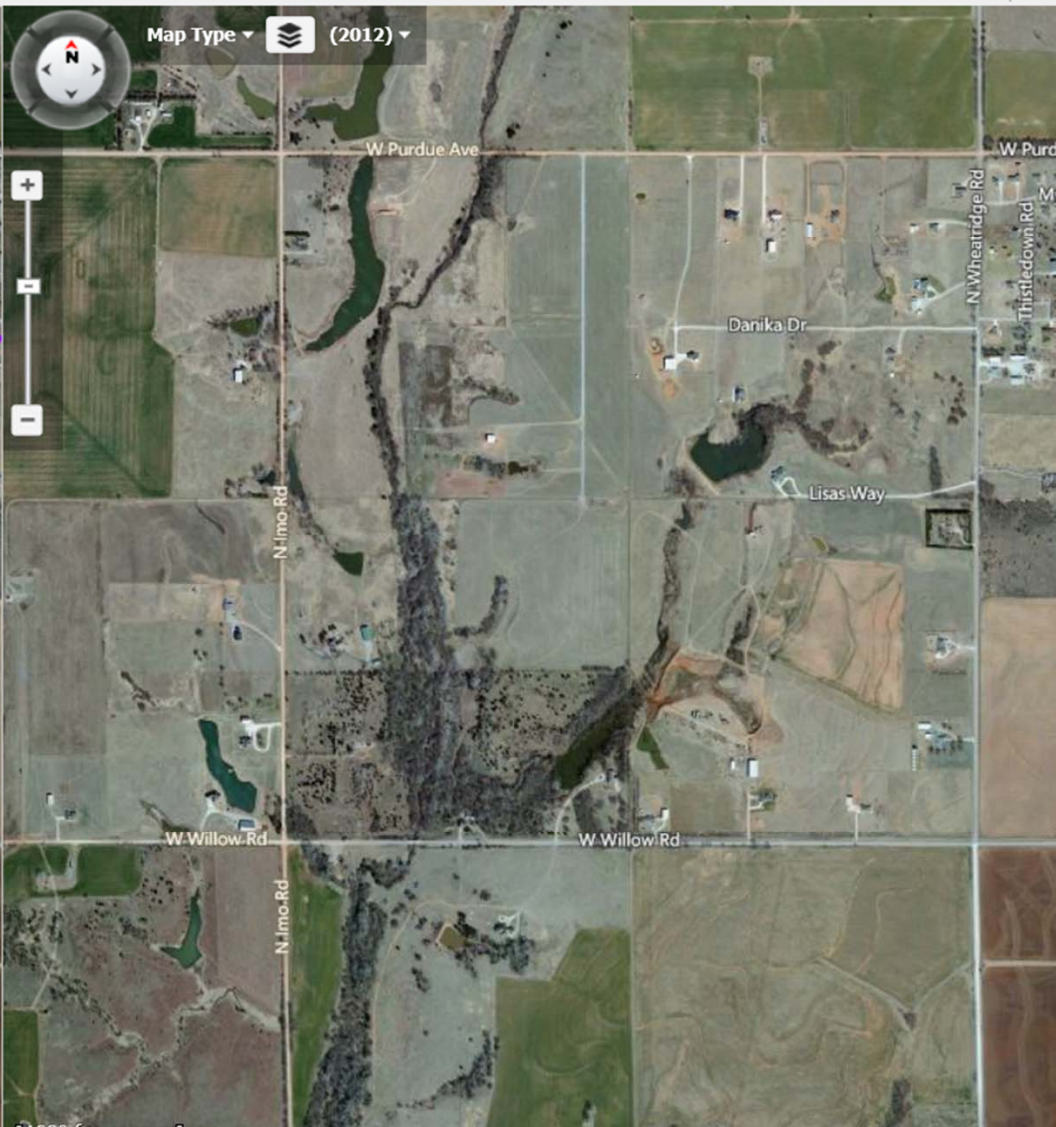
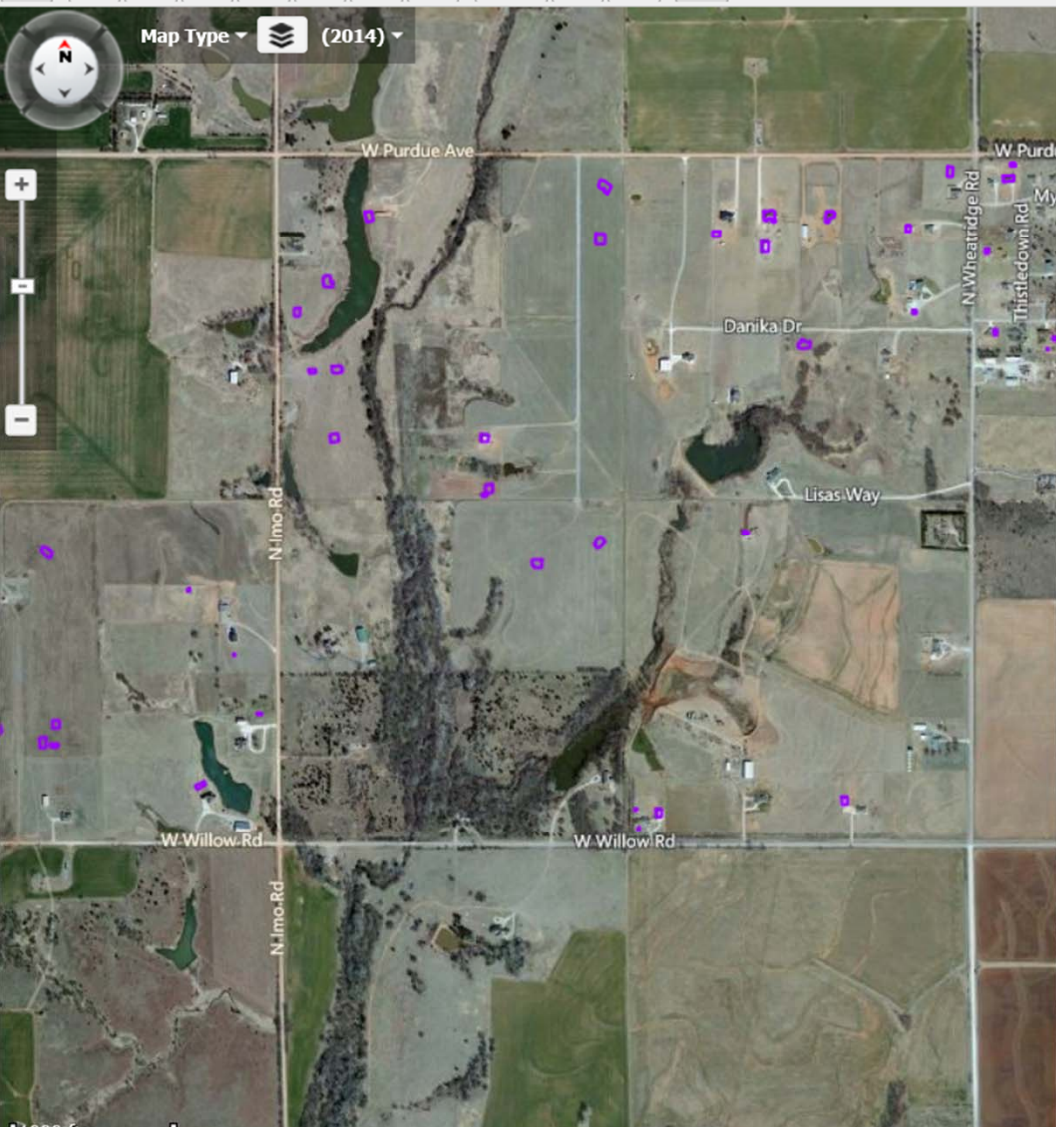
Your search returned 9 result(s) total.

PARCELS1 (1)

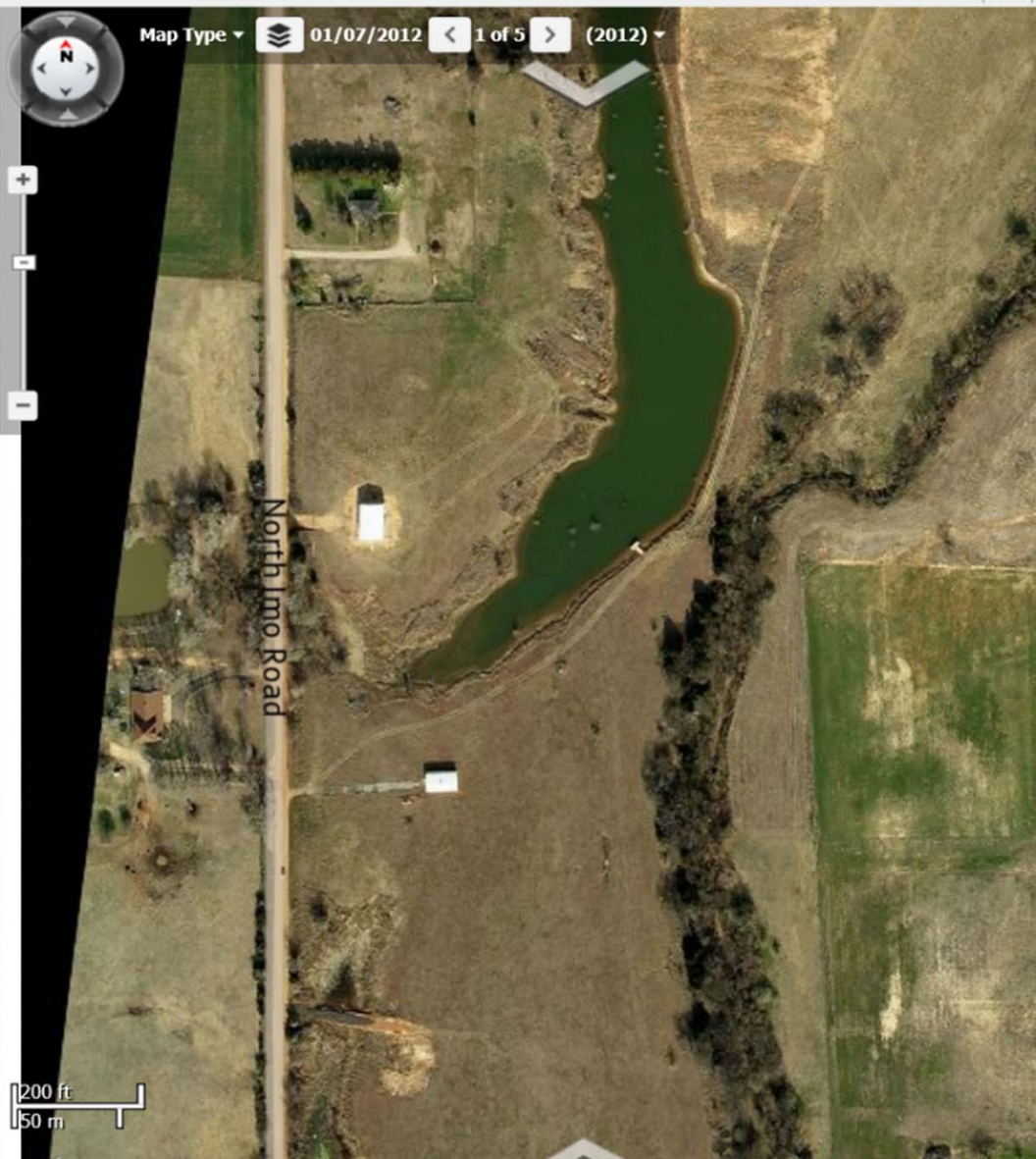
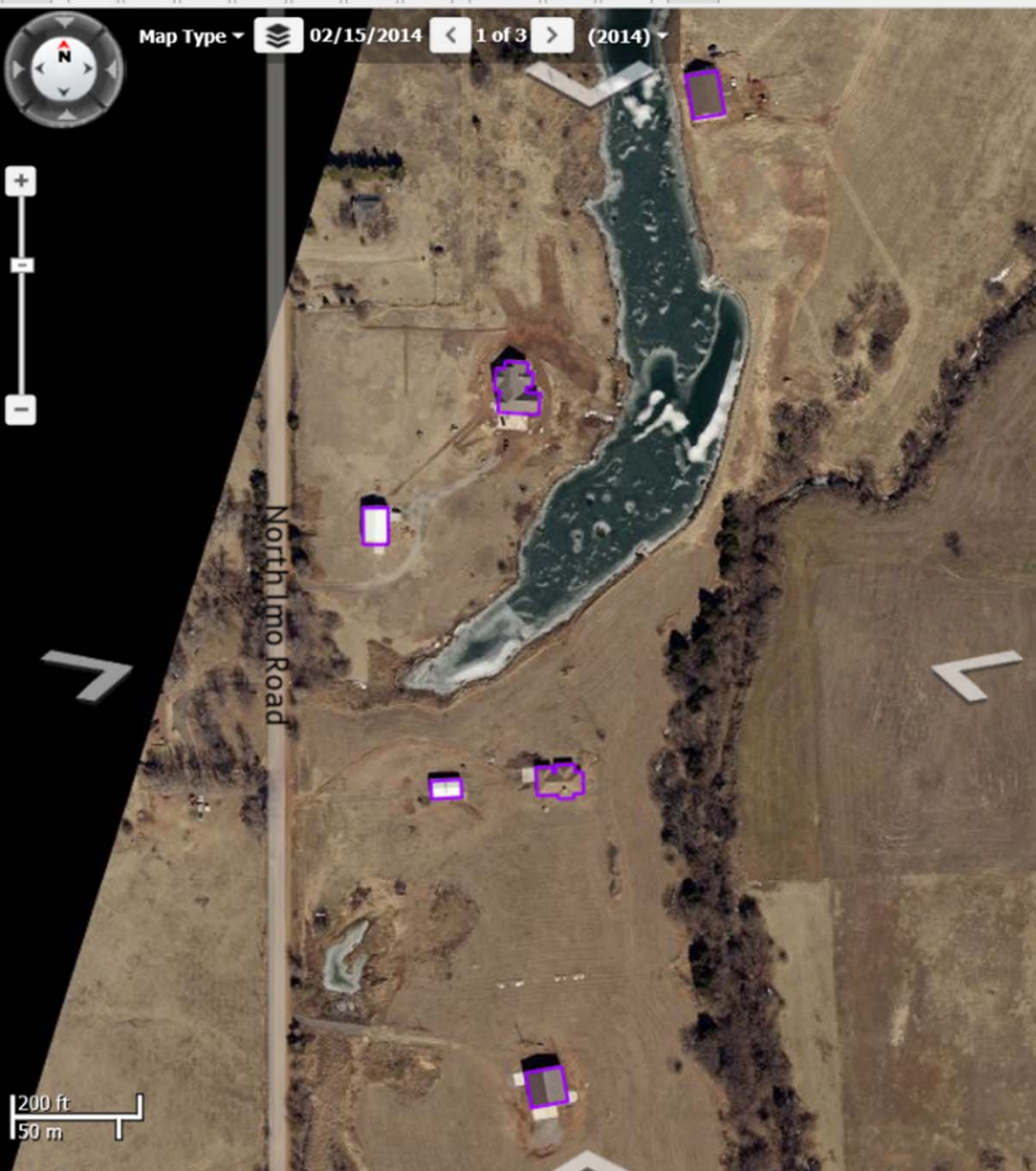
**PORTOFINO ENTERPRISES INC 88 ABBY R.**  
Owner Name: PORTOFINO ENTERPRISES INC  
Situs Number: 88  
Situs Name: ABBY RD NORTH ENID  
Parcel Number: 6573-00-001-006-0-006-00



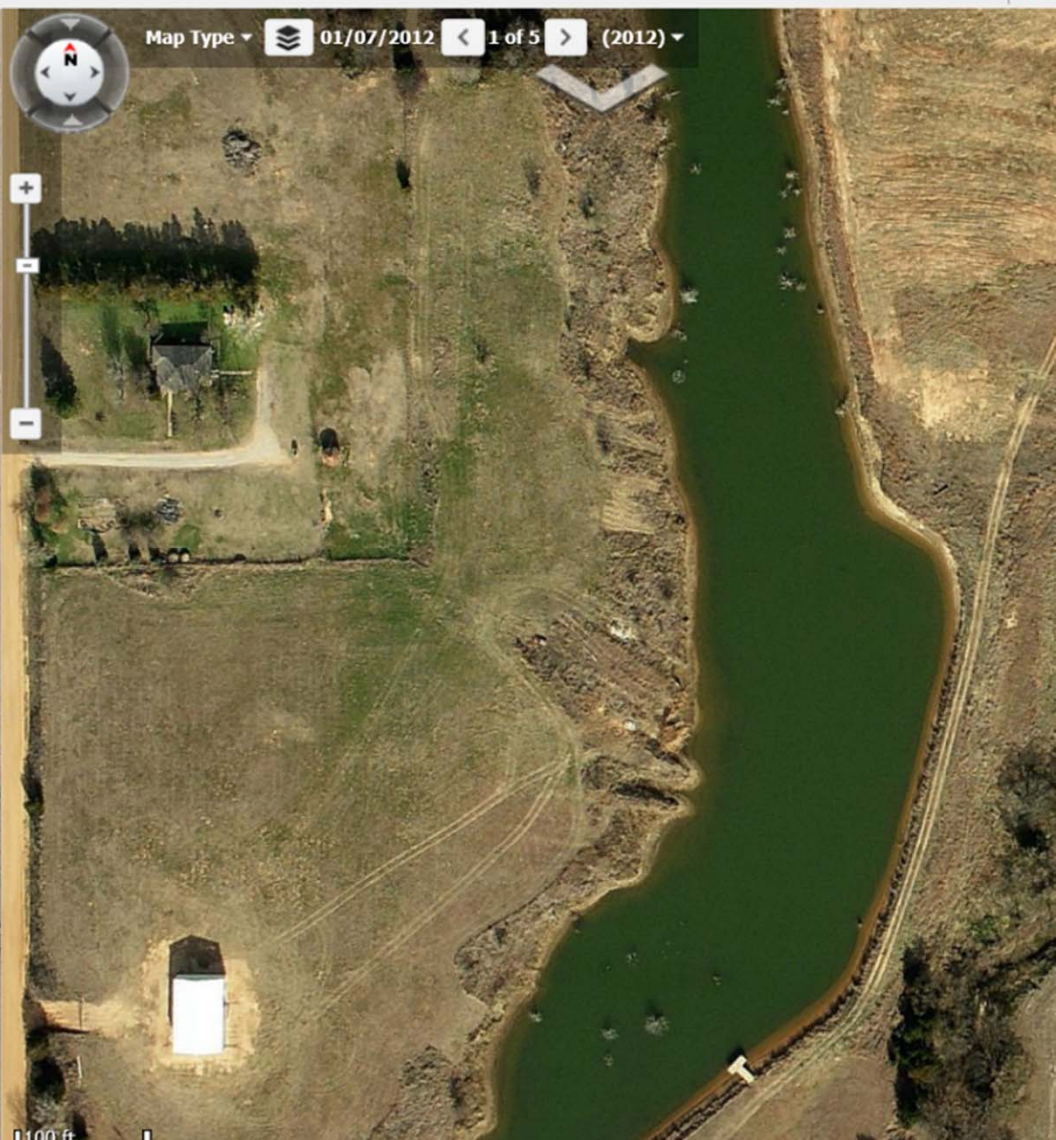
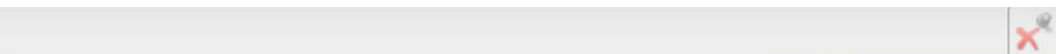
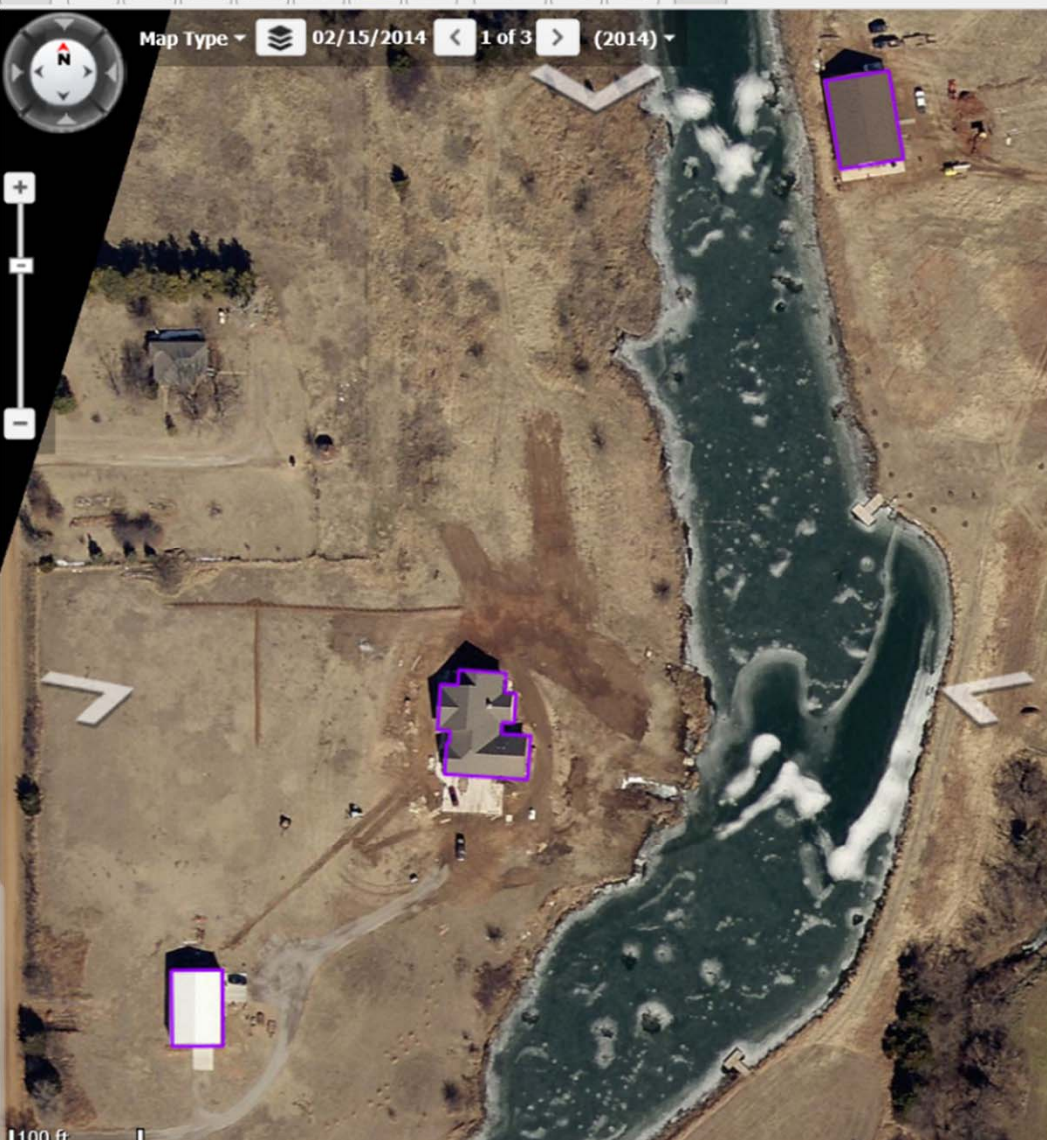














Search Results

DENNETT, CRAIG B 1218 S  
HOOVER ST 3420-00-007-009-0-160-00

Bookmark Hide Features Export

Results By Layer

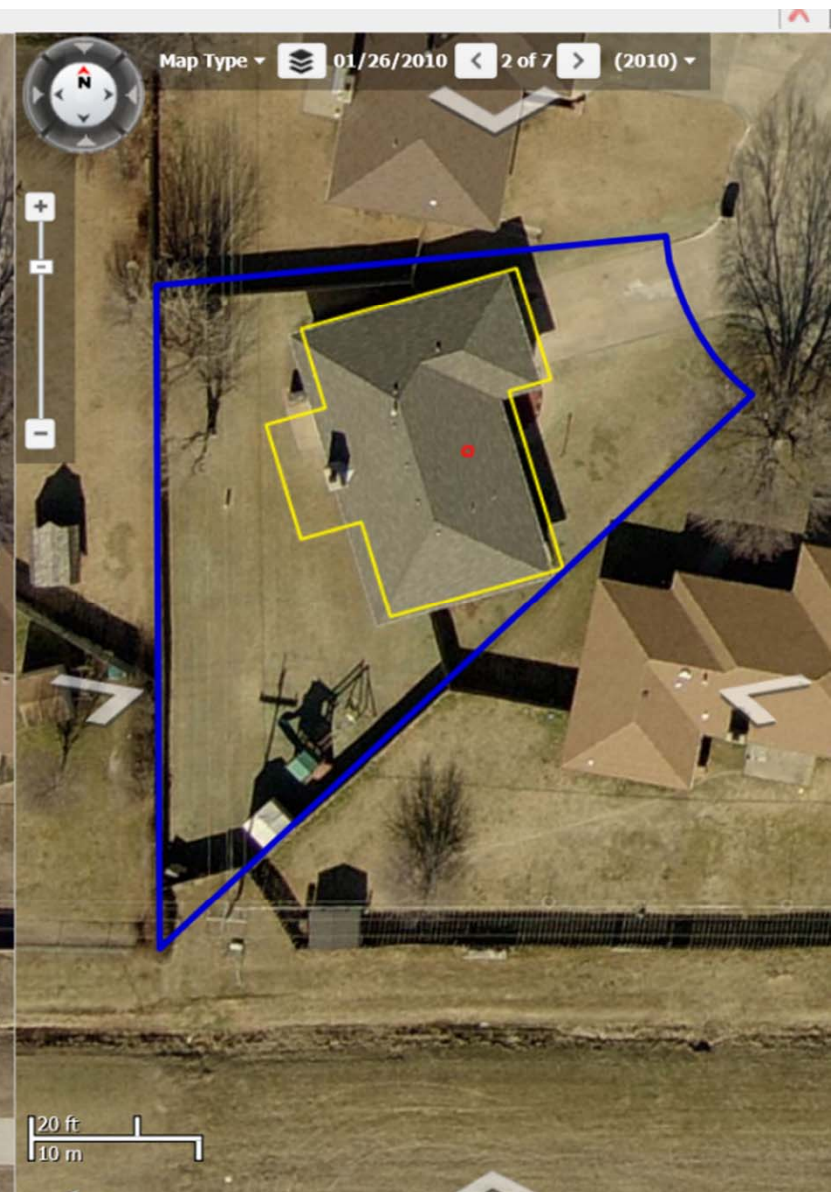
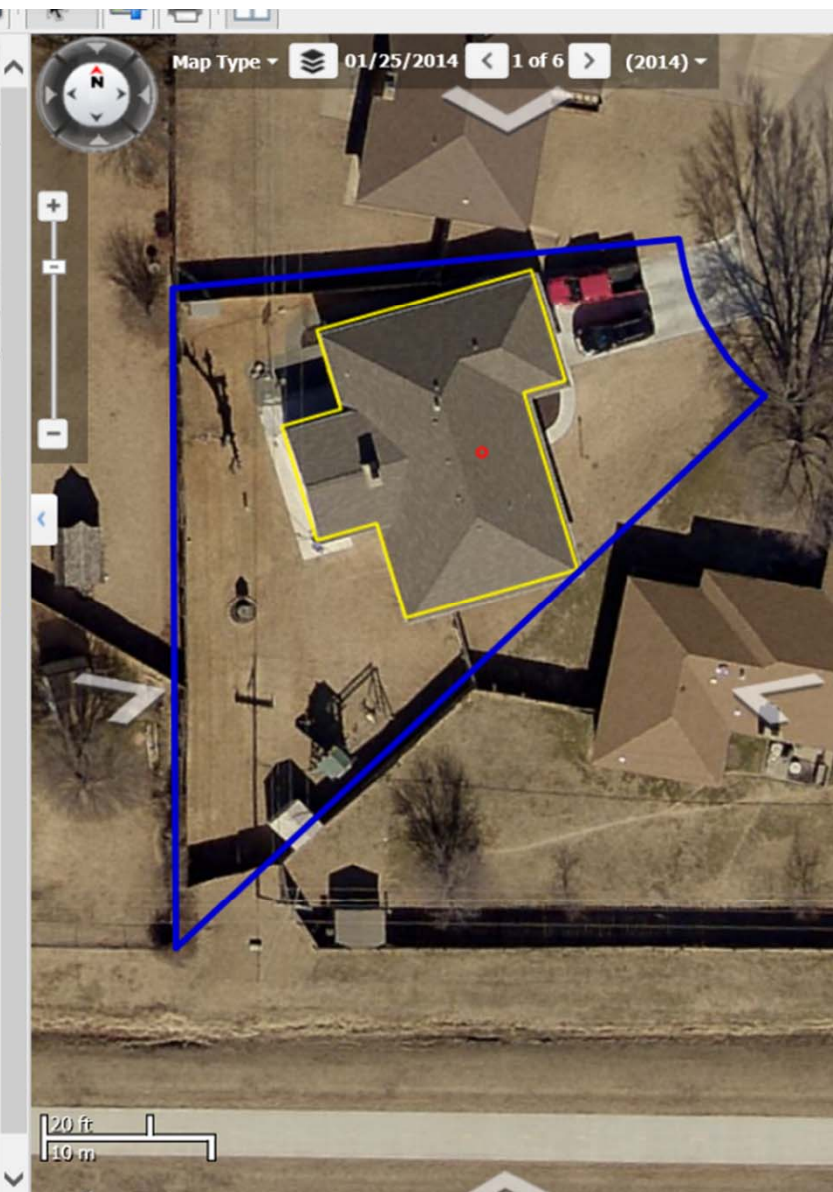
BLOCKS	1
LOTS	1
NEIGHBORHOODS_WADE_	1

Your search returned 9 result(s) total.

PARCELS1 (1)

[DENNETT, CRAIG B 1218 S HOOVER ST 3...](#)

Owner Name: DENNETT, CRAIG B  
Situs Number: 1218  
Situs Direction: S  
Situs Name: HOOVER ST  
Parcel Number: 3420-00-007-009-0-160-00







Search Results

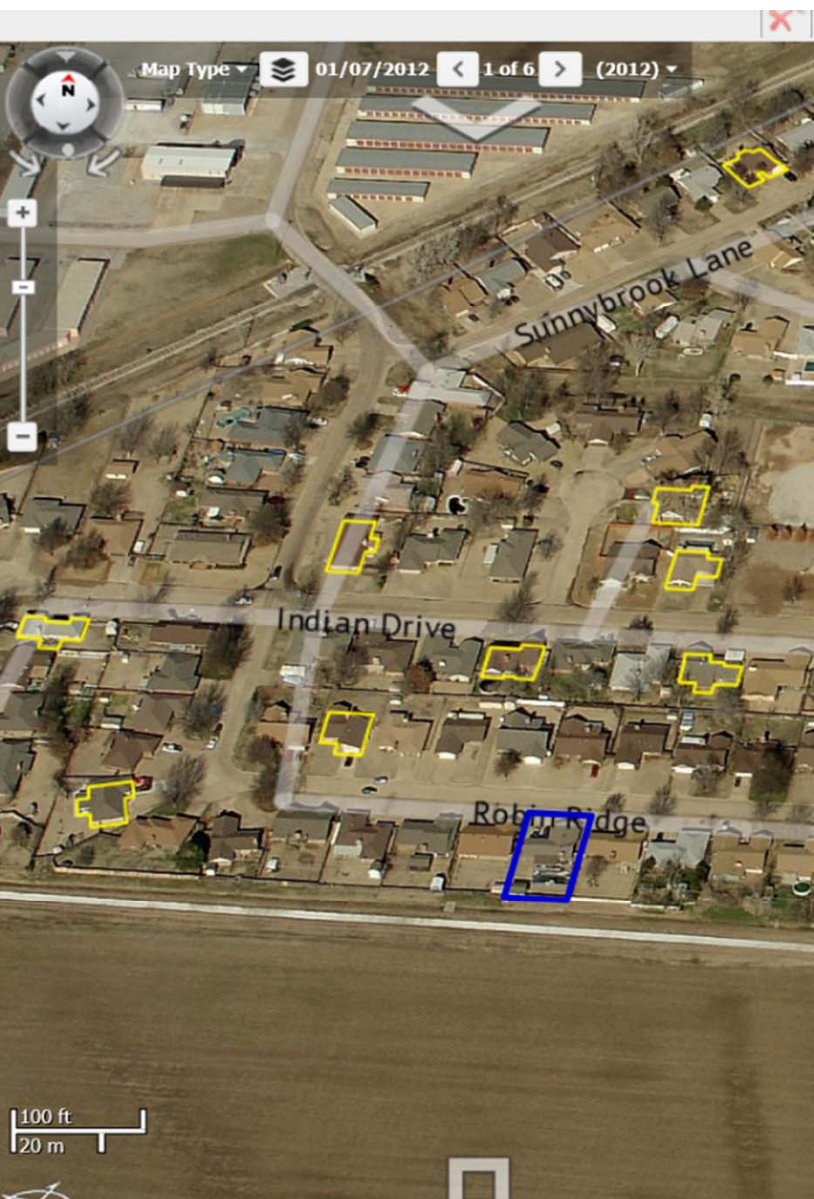
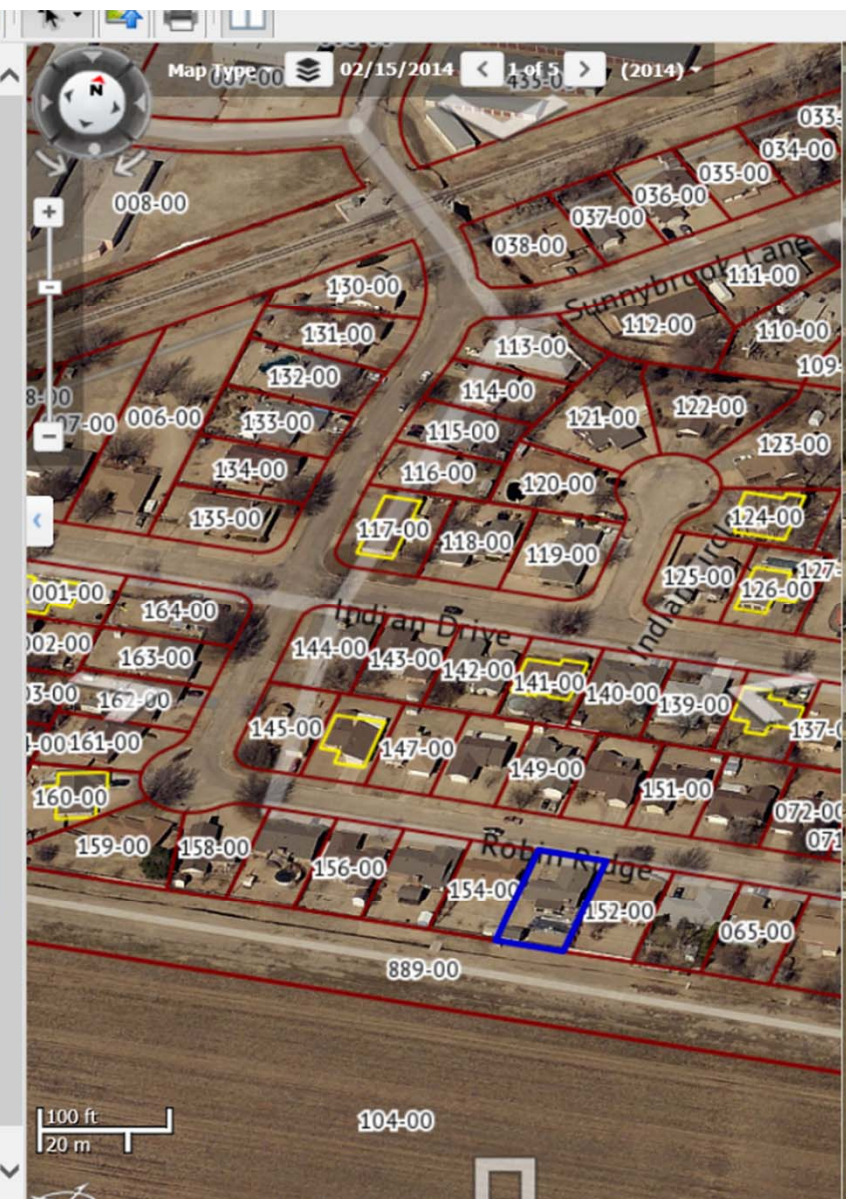
PATTERSON, LEONARD WADE  
2807 ROBIN RIDGE 3420-00-007  
002-0-153-00

[Bookmark](#) [Hide Features](#) [Export](#)

Your search returned 9 result(s) total.

PARCELS1 (9)

- [HOLDEN, HAROLD T 2807 W H HOLDEN...](#)  
Owner Name: HOLDEN, HAROLD T  
Situs Number: 2807  
Situs Direction: W  
Situs Name: H HOLDEN RD  
Parcel Number: 0000-26-24N-07W-1-100-00
- [MASON, DORTHEA M 2807 SUNNYBROO...](#)
- [WHITLEY, LINDA ANN 2807 N MIDWAY...](#)
- [PUGH, TERRI DEANN 2807 N JEFFERSO...](#)
- [ROBERTS, JOHN E ET AL 2807 FALCON C...](#)
- [ELLIS, JAMIE R 2807 MCGILL DR 4630-0...](#)
- [ANSLEY, JACK C ET AL 2807 LONDON LN...](#)
- [BOLDES, GARY D 2807 INDIAN DR 3420...](#)
- [PATTERSON, LEONARD WADE 2807 ROB...](#)  
Owner Name: PATTERSON, LEONARD WADE  
Situs Number: 2807  
Situs Name: ROBIN RIDGE  
Parcel Number: 3420-00-007-002-0-153-00





We are currently implementing our new  
CAMA system and will generate value for  
2015 from Patriot Properties, Inc.



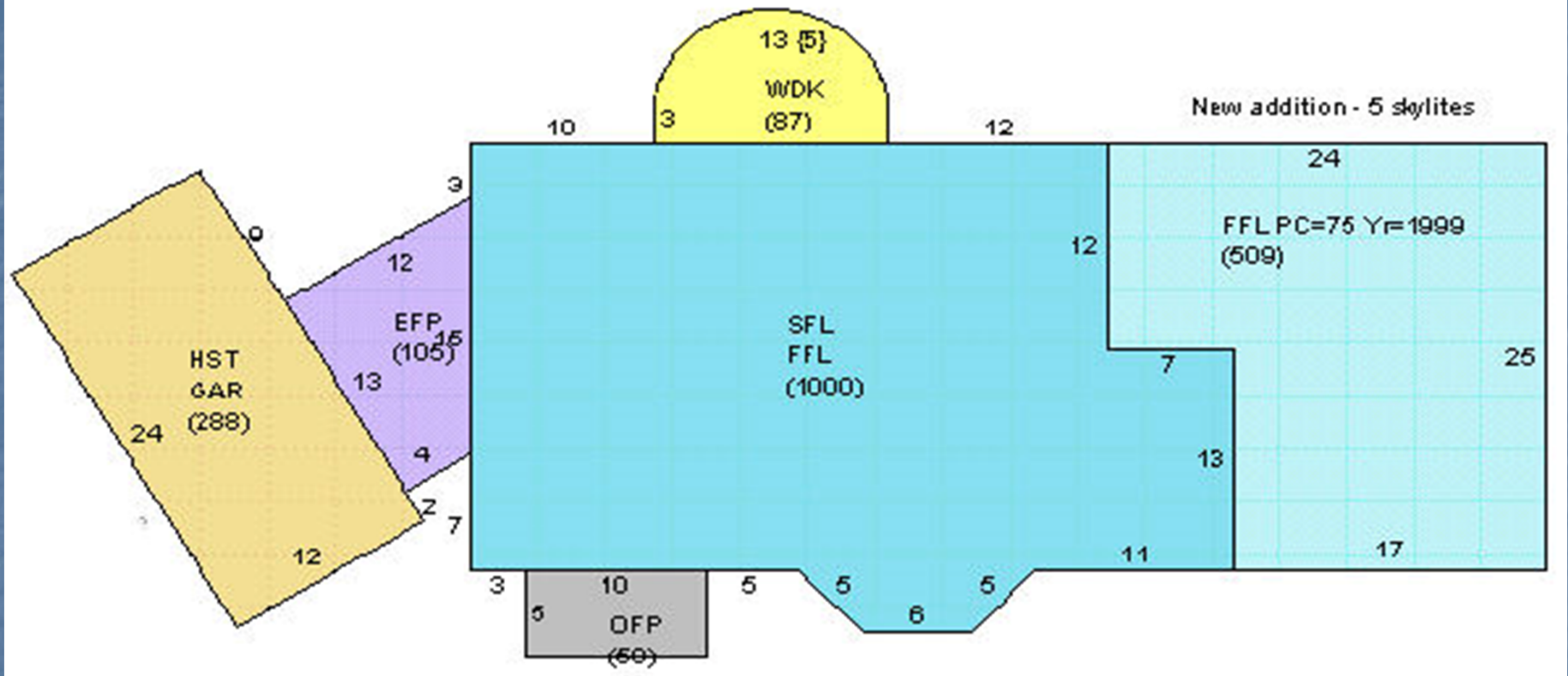


# Property Revenue Optimization

[illegible]



# SketchPro

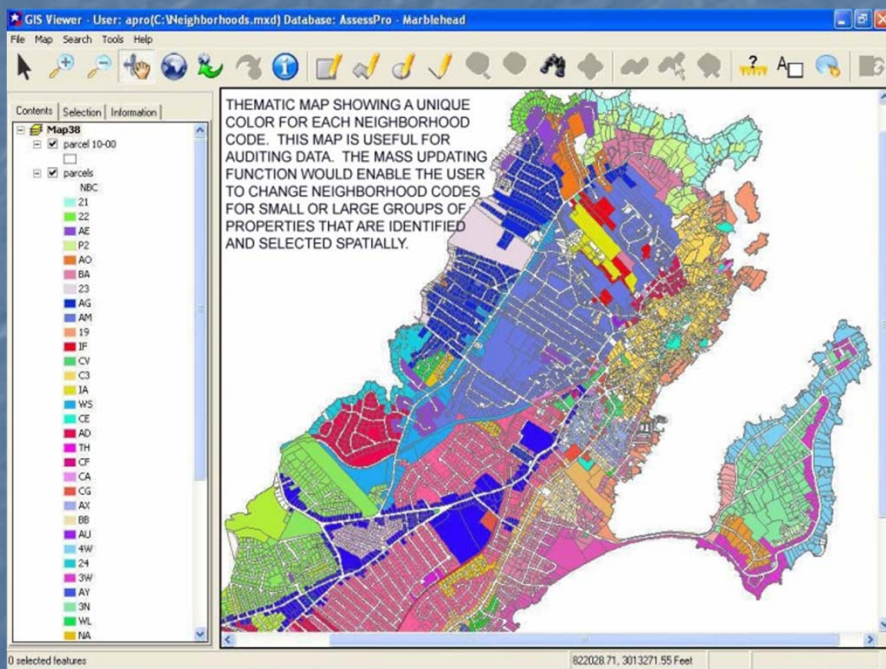


You decide how to label the property and the system will then calculate the appropriate adjustment to the construction cost. SketchPro even allows GPS coordinates to be entered on two vertices so the resultant sketch may be scaled and positioned in a GIS layer.



# GISPRO – Doing More With Less

Embedded Property Revenue Optimization GIS tool suite for  
**Direct-to-CAMA data entry and analysis**



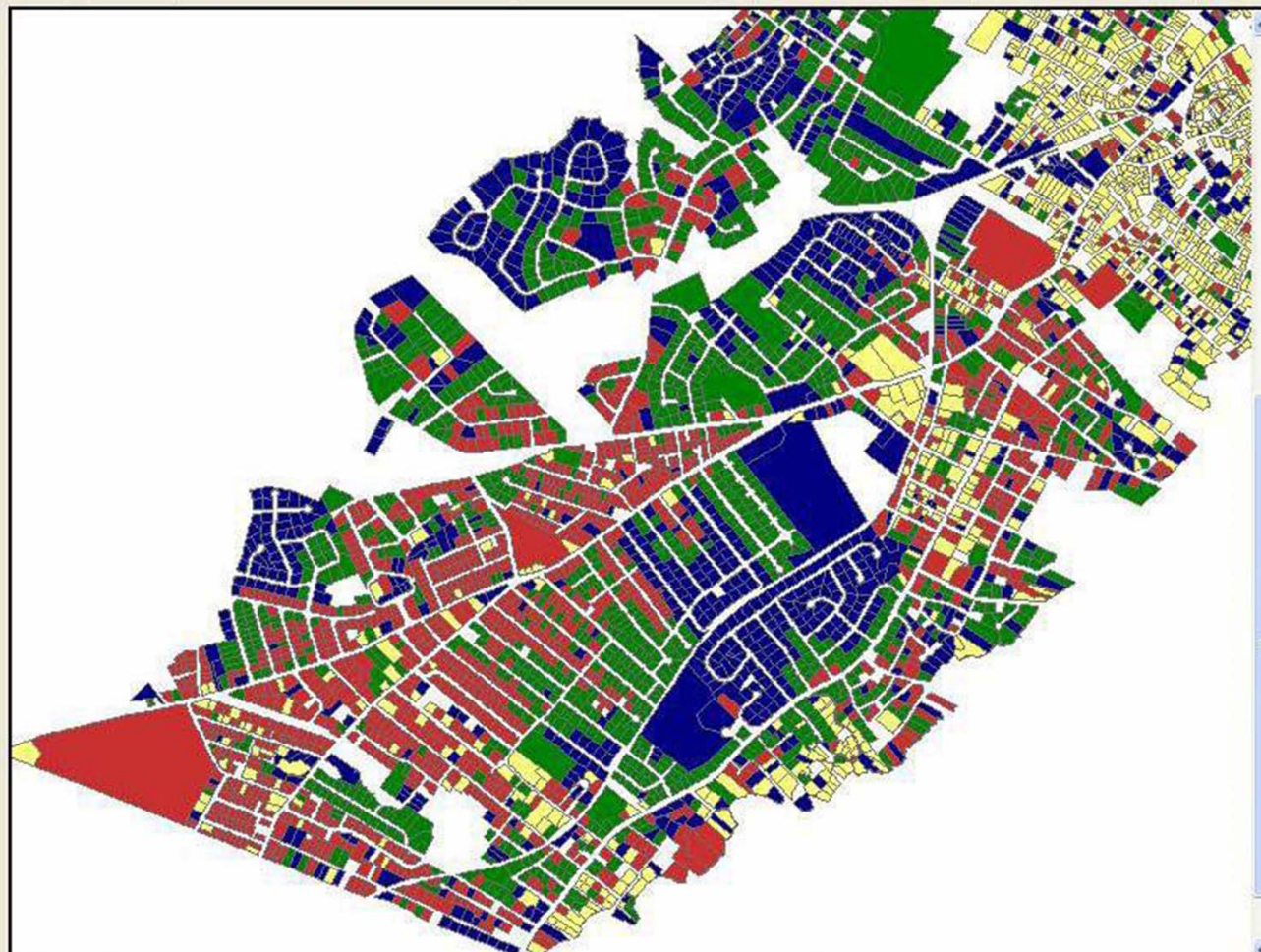
- Mass Update CAMA data using Geospatial tools in GISPRO
- Visually Review and Update Neighborhood Codes, Zones, etc.
- Graphic Proximity Analysis for Raising or Lowering Values (near water or RR tracks)
- Geographic attribute for comparative analysis (and comps for citizens).
- Provide Feedback to Addressing/GIS on Quality
- Integration with a host of data sources via GIS





- Map38
  - ☒ parcels
    - YearBlt
      - <= 1912.000000
      - > 1912.000000 AND YearBlt <
      - > 1941.000000 AND YearBlt <
      - > 1960.000000 AND YearBlt <

THEMATIC MAP USING GRADUATED COLORS TO SHOW YEAR BUILT. THE OLDEST AREAS ARE LOCATED AT THE TOP OF THE EXTENT IN YELLOW WHILE THE NEWEST SUBDIVISIONS ARE IN BLUE, MOSTLY IN THE CENTER OF THE EXTENT. THIS MAP WOULD BE USEFUL IN HELPING TO DETERMINE NEIGHBORHOOD DELINEATION.







Map38

☒ parcel 10-00

☐

☒ parcels

NBC

21

22

AE

P2

AO

BA

23

AG

AM

19

IF

CV

C3

IA

WS

CE

AD

TH

CF

CA

CG

AX

BB

AU

4W

24

3W

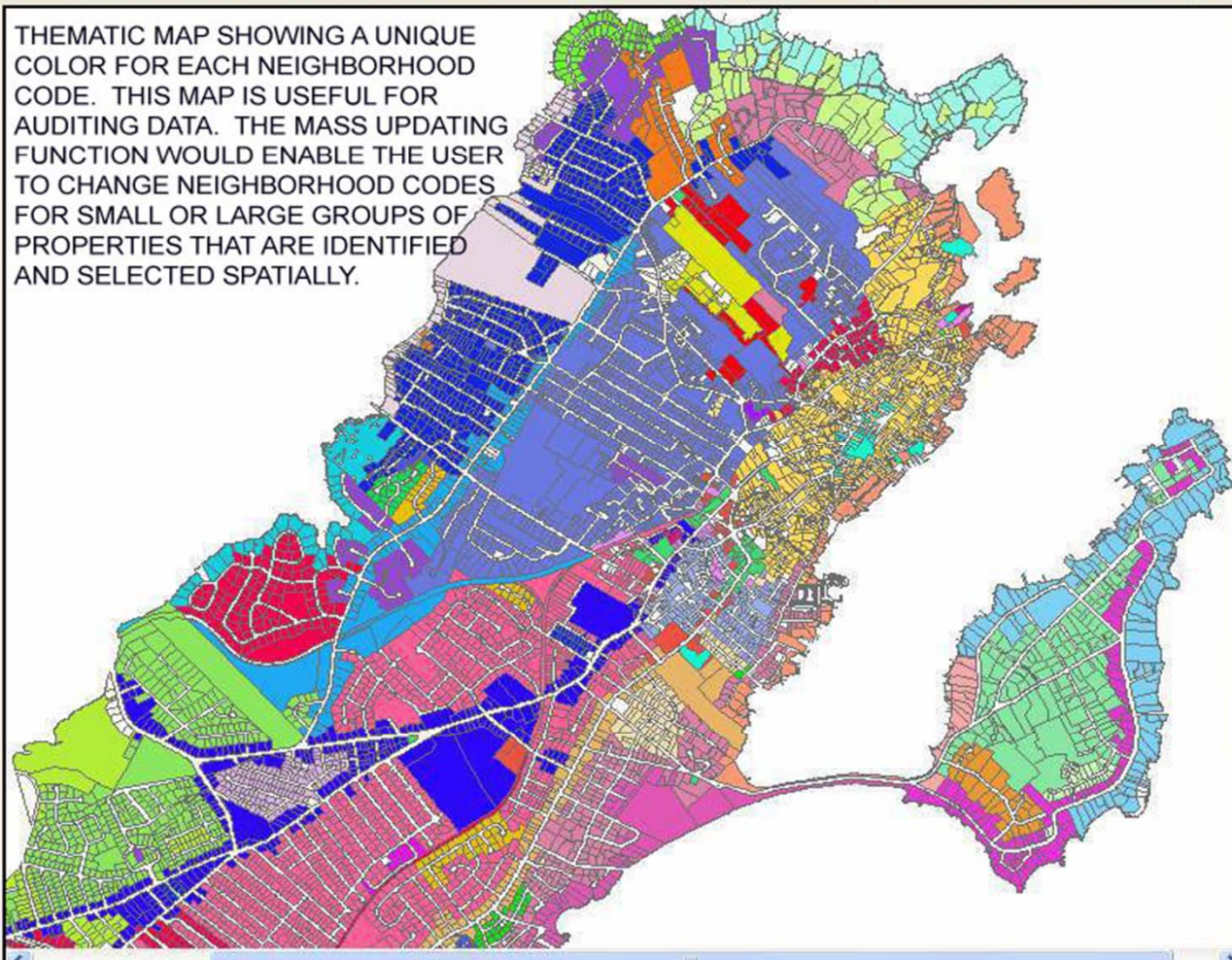
AY

3N

WL

NA

THEMATIC MAP SHOWING A UNIQUE COLOR FOR EACH NEIGHBORHOOD CODE. THIS MAP IS USEFUL FOR AUDITING DATA. THE MASS UPDATING FUNCTION WOULD ENABLE THE USER TO CHANGE NEIGHBORHOOD CODES FOR SMALL OR LARGE GROUPS OF PROPERTIES THAT ARE IDENTIFIED AND SELECTED SPATIALLY.







Map38  
parcels

THE SELECTED PARCELS  
CAN BE SENT DIRECTLY  
TO THE REPORT ENGINE  
FOR REPORTING OR  
MAILING LABELS. THEY  
COULD ALSO BE SENT TO  
THE MASS UPDATE TOOL  
FOR BATCH DATA UPDATES  
TO THE CAMA SYSTEM.

- Send Selection to AssessPro Reports
- Clear Selection
- Delete All Buffers
- View Map Properties





Main - Welcome app

File Edit View Process Record Utilities Tools Options Login Help Skin Office 2010 Blue

Search by Grids

2010 Act: 55680

Street: STONES RIVER CT

Owner: Smith, John Q.

User Act: 07316008100

Show Inactive ID: 07316008100 Number: 2500 All Odd Even Primary

Account Location Misc

Add Modify Delete Save Save This Year Only Cancel Calculate Print Record Card Permits Transfers

In Proc Asst: \$176,200 In Proc Asst: \$44,500 Roll App: \$154,300 Roll Asst: \$38,575 Bldg: SINGLE FAM LLC: R11 - RES Total SP: 1,775 Ratio: 1.15

Descriptive Table

Land Type Land Type Neighbor... Land Unit Land Use Class Lease Lump Sum Reason Making Notice Market Area Mobile Home Note Mobile Home Park Neighborhood Cluster Neighborhood Header Neighborhood Header... Other Depreciation Over All Rate Override Owner/Spouse Parcel Group Parking Partition Parcel Code Real Estate Descriptive Tables Calculation Tables Utilities Processes

\* Real Estate Account Detail

Sales Information

Book: 20080130 Page: 0009378 Date: 1/24/2008 Price: \$37,401

Grantor: QUALIFIED LLC: 00010371 Page: 0000661 Date: 2/28/1997 Price: \$189,900

Grantor: PAVLI, CHARLES ET U: QUALIFIED LLC: 00010371 Page: 0000661 Date: 2/28/1997 Price: \$189,900

Valuation Information

Appraised: In Process FMV Adj Cost: \$142,000

Building: \$142,000

Yard: \$138,000

Met Land: \$36,200

Use Land: \$178,200

Met Total: \$178,200

Assessed: \$36,200

Building: \$142,000

Yard: \$138,000

Met Land: \$36,200

Use Land: \$178,200

Met Total: \$178,200

Legal Description

LOT 14 STONES RIVER, NASHVILLE, TN 37214

06/53/24/30R

Account Status Information

Edit Code: PR2 - TAX FREEZE

Server: ellc7 Database: Assess50



Pictometry

Copyright ©2008 Pictometry International Corp.

Distance:

Reval / Market Districts

Narrative Description

This parcel contains 217 Acres of land mainly classified as TWO FAM with a RAISED RAN Building built about 1950, having primarily VINYL Exterior and 2611 Square Feet, with 2 Units, 2 Baths, 0 3/4 Bath, 1 Hall/Bath, 8 Rooms total, and 4 Bdrms.

Vacant: No

Office Notes Notes

Open 10/31/2011 3:35 PM Record Card Information 11485 QuickList

Spatialest®

Copyright ©2008 Pictometry International Corp.

Google Maps

iLOOKABOUT

Explorer for iLookabout

GIS Viewer - User: apro(C:\Building Grade.mxd) Database: AssessPro - Reverse

File Map Search Tools Help

Contents Selection Information

Map45

Building

Parcels

Grade

C

C+

C-

B+

B

D

706000 70 7077236 20 E

Google

View Options Help

Located at 42.41816, -71.0175

Front Facing Image

StreetScape

Show Map

Front Facing Images:

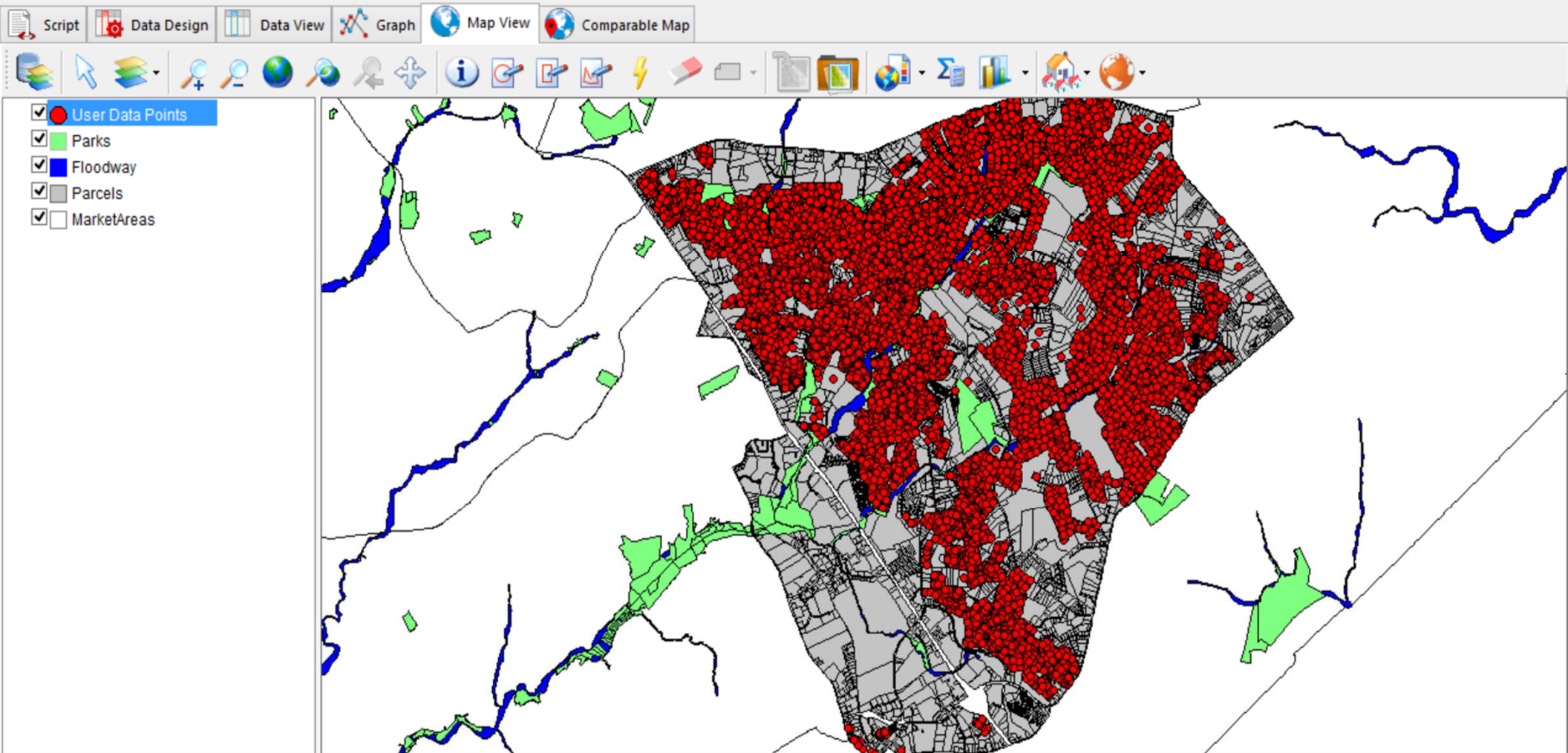
Aerial Road + - Hide

bing

2008 NAVTEQ



# Spatialest Interface














# Exploratory Analysis Example

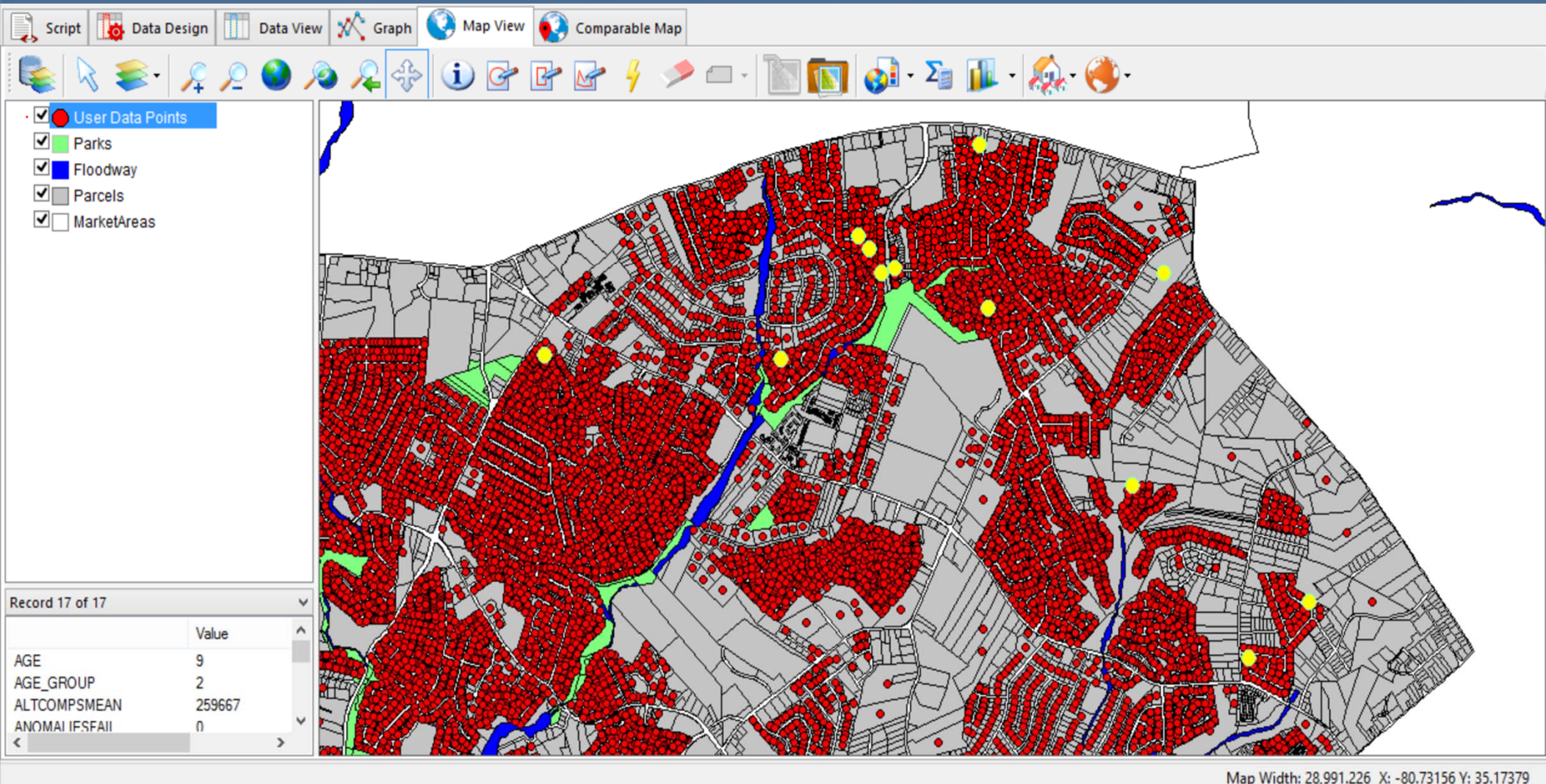
## Frequency: Qualitative Variables

### BEDROOMS

Value	Frequency	Percent	Cumulative %	Show on Map
0	17	0.116	0.116	
1	17	0.116	0.232	
2	487	3.328	3.56	
3	10,953	74.851	78.412	
4	2,716	18.561	96.973	
5	378	2.583	99.556	
6	61	0.417	99.973	
7	3	0.021	99.993	
8	1	0.007	100	
Total:	14,633			

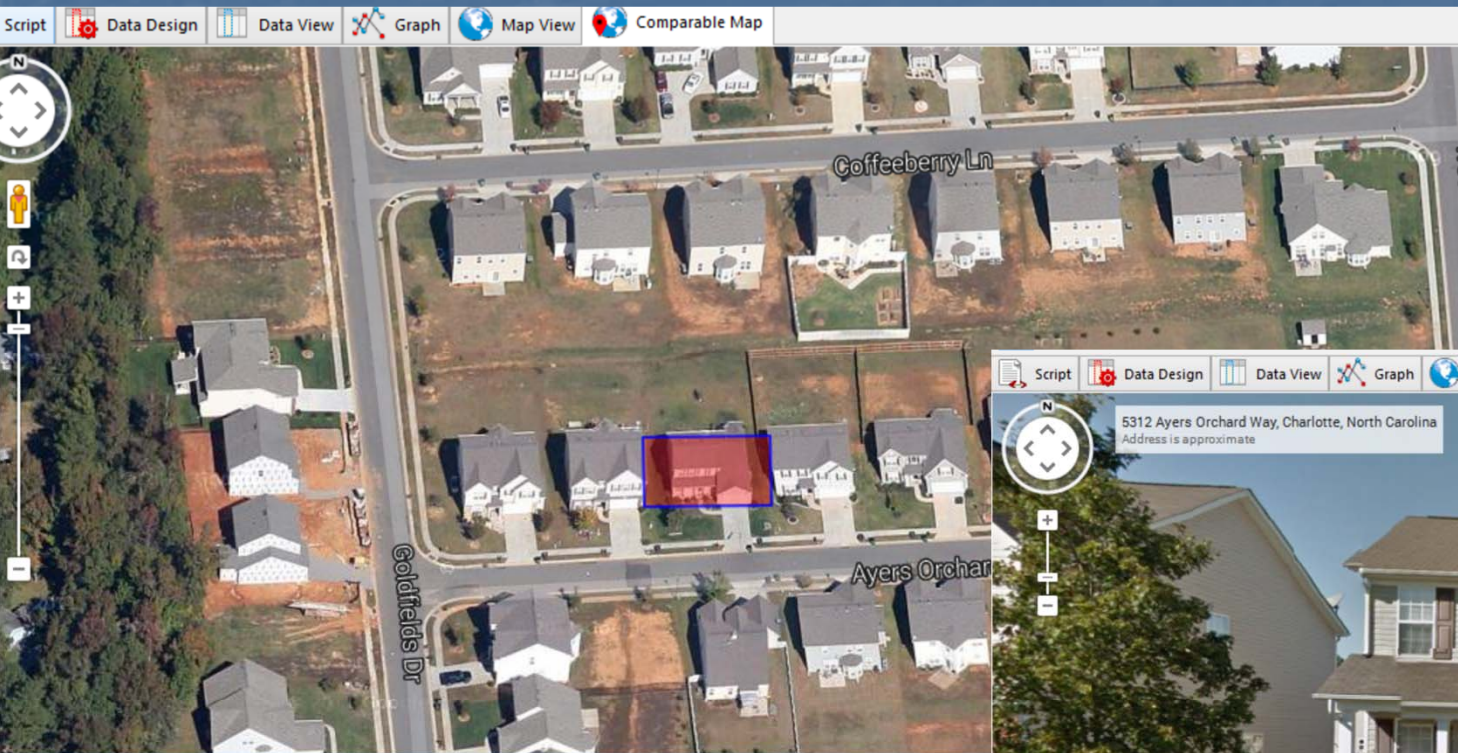


# Identify the location of the erroneous data





# View Properties in Google Maps





# Review Property Characteristics

## Selection Summary

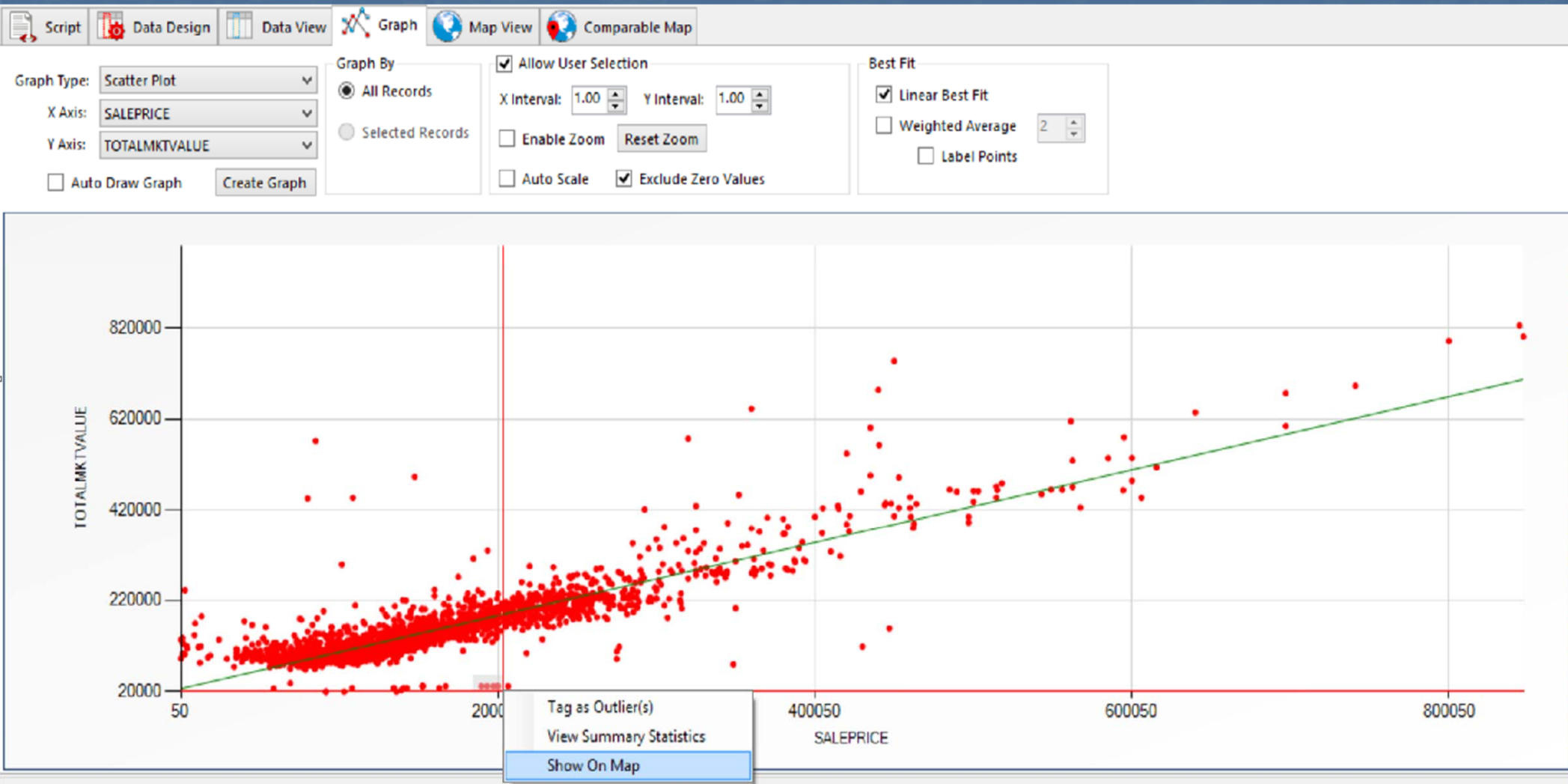
Select Field: FINISHEDAREA ▼

Summary Data View

	FinishedArea ▼	SalePrice	TotalMktValue	NBHD	BuildingType	Base_Area	Unfin_Garage	Fin_Garage
▶	3750	0	274800	T329	1	2414	0	0
	3134	0	240800	N715	1	1420	484	484
	3059	0	240400	N715	1	1471	0	0
	2969	0	207500	N718	1	1263	0	0
	2948	233500	182600	K927	1	1635	0	0
	2876	159000	173700	K927	1	1223	0	0
	2384	0	153900	K927	1	966	0	0
	2301	0	155700	K927	1	1465	0	0
	2194	0	199200	T329	1	1012	0	0
	2147	131500	151500	Q502	1	912	380	380
	1941	0	191100	T312	1	1941	0	0
	1938	0	142300	N510	1	816	399	399
	1540	0	117200	K923	1	864	432	432
	1374	800000	790900	N701	1	1374	0	0
	1366	57000	104100	K923	1	1366	0	0
	1364	95000	103200	K917	1	660	252	252
	728	127500	120100	T302	1	728	0	0

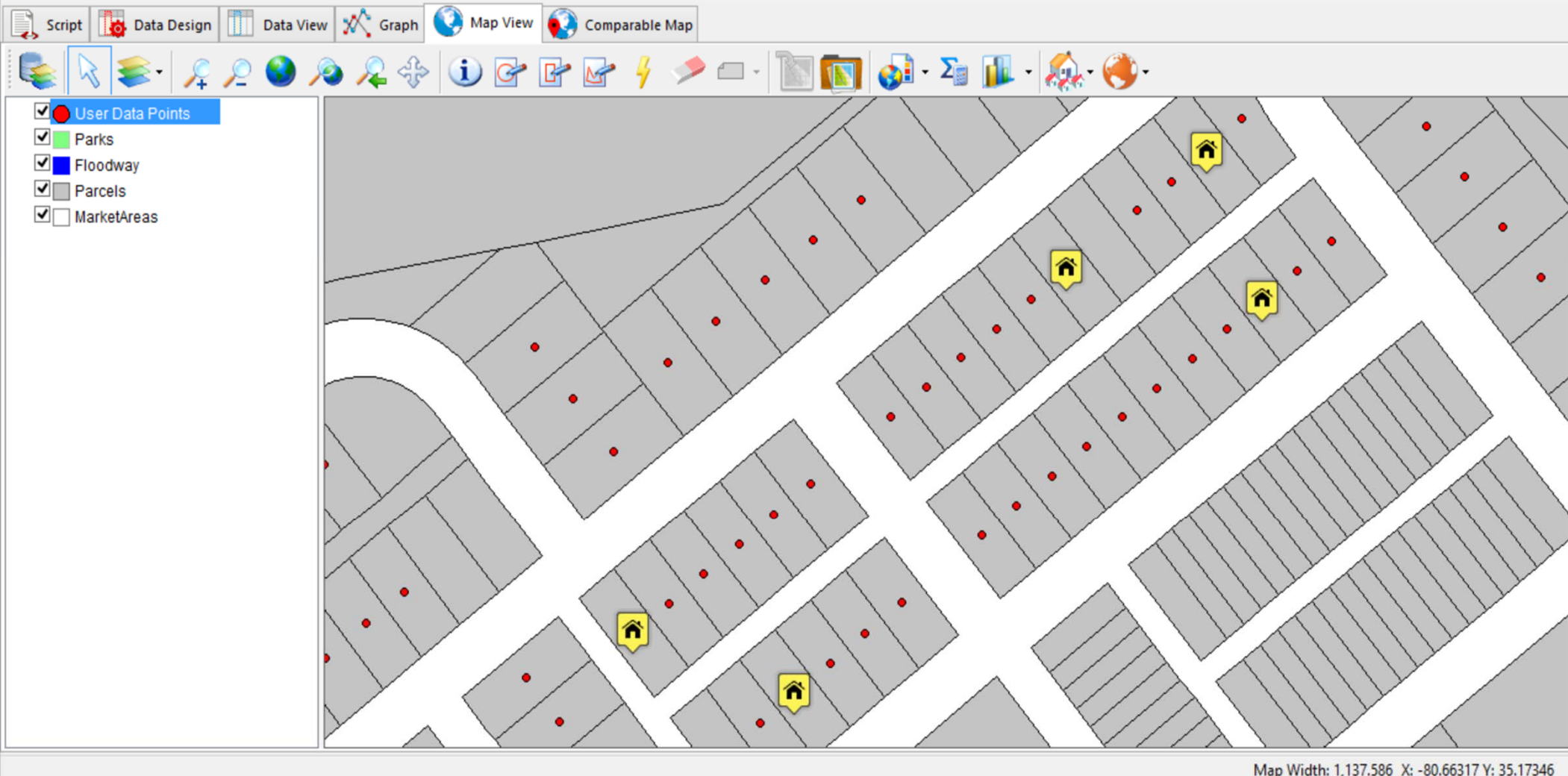


# Generate Graphs





# Link from Graph to Map



Map Width: 1,137.586 X: -80.66317 Y: 35.17346



# Comper Interface

COMPER - Lincoln

Find Property in Properties1

Help

Refine By:

Distance 1.7 miles

Reval Sale Date 2009-01-01 - 2010-12-31

My House Type

Main Area

Neighborhood

My Waterfront

Bedrooms

Full Bath

Land Value

Finished Basement

Total Market Value


Year Built

Quality

Acres


Subject Property

Comparables: Empty

**100 Mallory Tai Dr**  
Distance: N/A  
Parcel ID: 82929  
Reval Sale Price: 0  
Acres: 0.35  
Quality: B-10  
Main Area: 1,853 sqft

**61 Nearby Sales**


Sort

**288 Valerie Dr**

Add Comp **\$115,000**

Distance: 249 ft  
Parcel ID: 83369\_S  
Reval Sale Price: 115,0...


Acres: 0.19  
Quality: C+10  
Main Area: 1,216 sqft

**274 Valerie Dr**

Add Comp **\$127,500**

Distance: 315 ft  
Parcel ID: 83366\_S  
Reval Sale Price: 127,5...


Acres: 0.29  
Quality: C+10  
Main Area: 1,461 sqft

**270 Valerie Dr**

Add Comp **\$129,000**

Distance: 391 ft  
Parcel ID: 83365\_S  
Reval Sale Price: 129,0...


Acres: 0.41  
Quality: C+10  
Main Area: 1,461 sqft

**147 Spring Meadows Dr**

Add Comp **\$154,900**

Distance: 418 ft  
Parcel ID: 83381\_S  
Reval Sale Price: 154,9...


Acres: 0.21  
Quality: B-10  
Main Area: 1,852 sqft

**271 Valerie Dr**

Add Comp **\$119,000**

Distance: 436 ft  
Parcel ID: 83377\_S  
Reval Sale Price: 119,0...


Acres: 0.2  
Quality: C+10  
Main Area: 1,186 sqft

**141 Mallory Tai Dr**

Add Comp **\$154,990**

Distance: 544 ft  
Parcel ID: 82941\_S  
Reval Sale Price: 154,9...


Acres: 0.18  
Quality: C+10  
Main Area: 2,456 sqft

**255 Valerie Dr**

Add Comp **\$163,000**

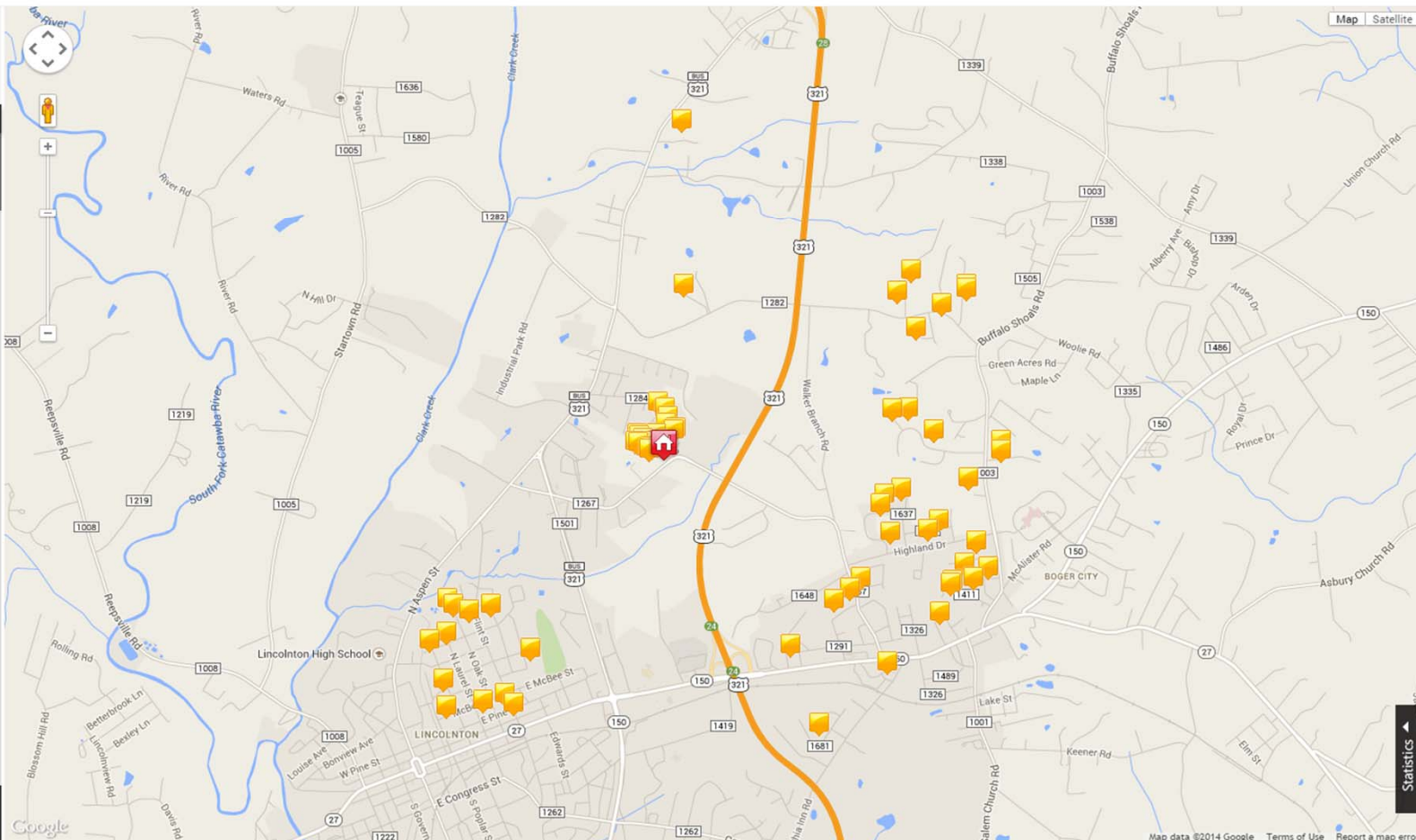
Distance: 581 ft  
Parcel ID: 83375\_S  
Reval Sale Price: 163,0...

Acres: 0.21  
Quality: C+10  
Main Area: 2,172 sqft

**147 Mallory Tai Dr**

Add Comp **\$155,000**

Comparables



Map data ©2014 Google Terms of Use Report a map error



# Detailed view of Potential Comp


COMPER - Lincoln  Find Property in Properties1


Refine By: Distance 1.7 miles Reval Sale Date 2009-01-01 - 2010-12-31 My House Type Main Area Neighborhood My Waterfront Bedrooms Full Bath Land Value Year Built Quality Acres


Subject Property Comparables: Empty


 **100 Mallory Tai Dr**  
Distance: N/A  
Parcel ID: 82929  
Reval Sale Price: 0  
Acres: 0.35  
Quality: B-10  
Main Area: 1,853 sqft


61 Nearby Sales  Sort


 **288 Valerie Dr**  **\$115,000**  
Distance: 249 ft  
Parcel ID: 83369\_S  
Reval Sale Price: 115,0...  
Acres: 0.19  
Quality: C+10  
Main Area: 1,216 sqft

 **274 Valerie Dr**  **\$127,500**  
Distance: 315 ft  
Parcel ID: 83366\_S  
Reval Sale Price: 127,5...  
Acres: 0.29  
Quality: C+10  
Main Area: 1,461 sqft

 **270 Valerie Dr**  **\$129,000**  
Distance: 391 ft  
Parcel ID: 83365\_S  
Reval Sale Price: 129,0...  
Acres: 0.41  
Quality: C+10  
Main Area: 1,461 sqft

 **147 Spring Meadows Dr**  **\$154,900**  
Distance: 418 ft  
Parcel ID: 83381\_S  
Reval Sale Price: 154,9...  
Acres: 0.21  
Quality: B-10  
Main Area: 1,852 sqft

 **271 Valerie Dr**  **\$119,000**  
Distance: 436 ft  
Parcel ID: 83377\_S  
Reval Sale Price: 119,0...  
Acres: 0.2  
Quality: C+10  
Main Area: 1,186 sqft

 **141 Mallory Tai Dr**  **\$154,990**  
Distance: 544 ft  
Parcel ID: 82941\_S  
Reval Sale Price: 154,9...  
Acres: 0.18  
Quality: C+10  
Main Area: 2,456 sqft

 **255 Valerie Dr**  **\$163,000**  
Distance: 581 ft  
Parcel ID: 83375 S  
Acres: 0.21  
Quality: C+10

## 288 Valerie Dr



Photo

Distance: 249 ft  
Appraisal Year: 2,013  
Reval Sale Date: 2009-12-22  
Reval Sale Price: 115,000  
Imp\_Value: \$82,535  
Land Value: 26,000  
Total Market Value: 108,535  
Acres: 0.19  
Year Built: 2009  
Style: CONVENTIONAL  
Wall Desc: ALUMINUM/VINYL  
Bedrooms: 3  
Half Bath: 0  
Full Bath: 2  
Main Area: 1,216 sqft  
Finished Basement: 0 sqft  
Unfinished Basement: 0

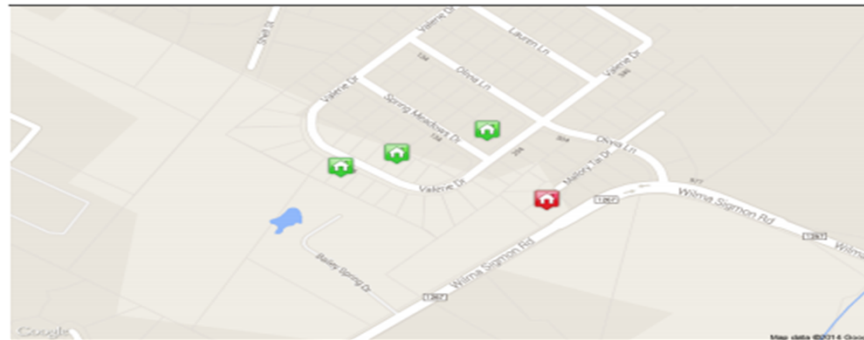
Quality: C+10  
Depreciation Code: AV  
Waterfront: N  
Neighborhood: 0334I





# Comparable Report

Parcel ID: 82929



	Subject	Comp 1	Comp 2	Comp 3
Parcel ID	82929	83381_S	83375_S	83360_S
				
Address	100 MALLORY TAI DR	147 SPRING MEADOWS DR	255 VALERIE DR	246 VALERIE DR
Distance	0 ft	418 ft	581 ft	746 ft
Parcel ID	82929	83381_S	83375_S	83360_S
Reval Sale Price	0	154,900	163,000	153,000
Acres	0.35	0.21	0.21	0.18
Quality	B-10	B-10	C+10	B-10
Main Area	1,853 sqft	1,852 sqft	2,172 sqft	1,876 sqft
Total Market Value	161,373	162,481	163,385	165,927
Imp_Value	\$135,373	\$136,481	\$137,385	\$139,927
Reval Sale Date	-	11 / Dec / 2009	29 / May / 2009	11 / Sep / 2009
Year Built	2004	2005	2008	2008
Land Value	26,000	26,000	26,000	26,000
Style	CUSTOM HOME	CUSTOM HOME	CONVENTIONAL	CONVENTIONAL
Wall Desc	MASONRY/FRAME	MASONRY/FRAME	ALUMINUM/VINYL	ALUMINUM/VINYL
Bedrooms	4	4	3	4
Full Bath	2	2	2	2
Half Bath	1	1	1	1
Finished Basement	0 sqft	0 sqft	0 sqft	0 sqft
Unfinished Basement	0	0	0	0
Depreciation Code	AV	AV	AV	AV
Waterfront	N	N	N	N
Neighborhood	0334I	0334I	0334I	0334I



## Damage Assessment for Local Government

- IDAM™ connects to current GIS and Assessment data to organize affected parcels
- No additional hardware or software needed
- Automated workflow management
- Automated email notifications
- Better Information Tracking and Access
- Increased Time Savings
- Better Customer Service (no more office to office trips)
- Perform individual assistance and public assistance damage surveys
- Must provide completed FEMA forms
- IDAM™ tracks and manages field teams
- IDAM™ provides the ability to upload damage and debris photos from the field
- IDAM™ provides command- center with real-time views to track the overall assessment progress with live updates from the field



# Open a New Event.

qmap2.qpublic.net/ldam/events.php

Apps Imported From Fire... App Dev qPub IDAM Social State EM sites IDAM Stand Alone cP cPanel Login IRS Pay Outlook Web App Log In to Fidelity Ne... Login - Adminer FEMA PA Forms Other bookmarks

**IDAM2** Integrated Damage Assessment Model - idam\_demo3

Home / Events View Map Dashboard Search / Edit Admin My Account Reports Pub Assistance Help Sign Out qPublic Chat

Select From Available Events: All Events Show Details

New Event	
Event Type	Tornado
Name of Event	Iowa Twister
Duration (Dates)	07/30/2014
Factor/Severity	
Notes / Comments	
Submit	



# Select affected parcels by outlining the storm path.

Flagler County Parcel Maps Event: Iowa Twister - Google Chrome

qmap2.qpublic.net/map/map.php?county=fl\_flagler&layers=parcels+roads+estimated\_damage+actual\_damage+streetnum&extent=489775.107355684%201791438.68231471%20

Apps Imported From Firef... App Dev qPub IDAM Social State EM sites IDAM Stand Alone cPanel Login IRS Pay Outlook Web App Log In to Fidelity Ne... Login - Adminer FEMA PA Forms Other bookmarks

**IDAM2 Integrated Damage Assessment Model**

County Box Parcel Center Parcel Search PA Features Create parcel list Clear parcels Additional Options Street Report Chat Window Return to Dashboard IDAM Home

**Controls**

- Available Layers
  - ☒ Parcels
  - ☐ Est. Vacant Parcel
  - ☒ Actual Damage
  - ☒ Estimated Damage
  - ☒ House #s
  - ☐ Team regions
  - ☒ Roads
  - ☒ Cities
  - ☒ PA Features
  - ☒ Aerials
  - ☒ Baseline

Map showing a residential area with a yellow shaded region indicating the storm path. The map includes labels for DEEN RD, INBAY ST, and PINE MEADOWS CT. A small inset map in the bottom left shows the location of the main map area within a larger context.

**Reports**

Parcel

Parcel List

Draw a shape(s) on the map. Finish a shape by double clicking. When finished click the 'done' button an a parcel list will be generated.

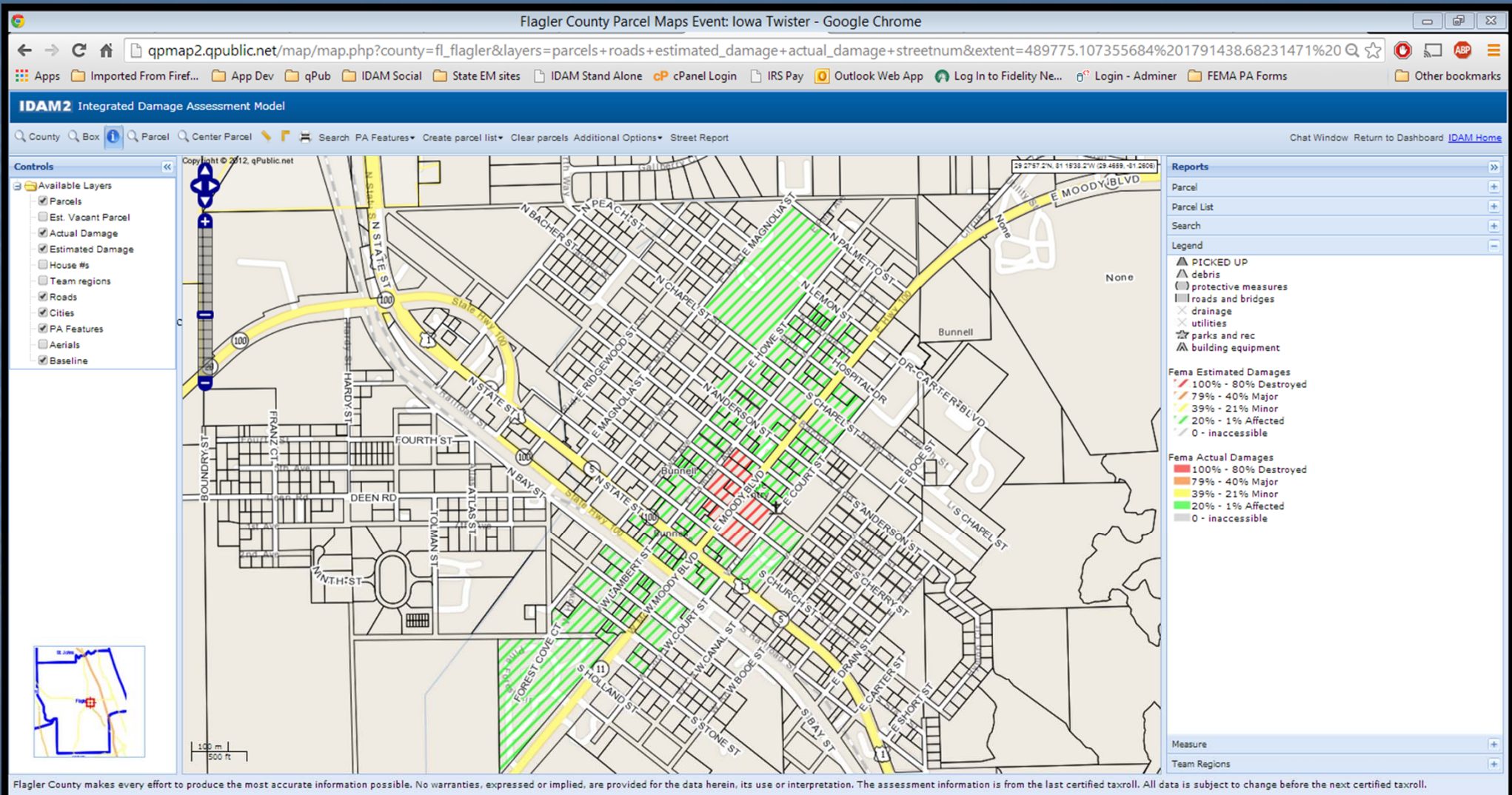
done clear

Search Legend Measure Team Regions

Flagler County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.



# Finish setting up the event for the field teams.





Assessing damage in the field is easy – just select a parcel & damage category.

Flagler County Parcel Maps Event: Iowa Twister - Google Chrome

qmap2.qpublic.net/map/map.php?county=fl\_flagler&layers=parcels+roads+estimated\_damage+actual\_damage+streetnum&extent=489775.107355684%201791438.68231471%20

Apps Imported From Fire... App Dev qPub IDAM Social State EM sites IDAM Stand Alone cPanel Login IRS Pay Outlook Web App Log In to Fidelity Ne... Login - Adminer FEMA PA Forms Other bookmarks

**IDAM2 Integrated Damage Assessment Model**

County Box Parcel Center Parcel Search PA Features Create parcel list Clear parcels Additional Options Street Report Chat Window Return to Dashboard IDAM Home

**Controls**

Available Layers

- ☒ Parcels
- ☐ Est. Vacant Parcel
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- ☒ Estimated Damage
- ☐ House #s
- ☐ Team regions
- ☐ Roads
- ☒ Cities
- ☒ PA Features
- ☐ Aerials
- ☒ Baseline

Copyright © 2012, qPublic.net

Map showing streets (N Pine St, N Church St, N State St, N Railroad St, N Bay St, E Magnolia St, E Palm St, E Howe Ave, E Lambert St, E Moody Blvd, S Pine St, S Cherry St, S Moore St, S Court St) and parcels. A parcel is highlighted in pink.

**Reports**

Parcel

View as: [Pictometry Visual](#) | [Pictometry Analytics](#) | [Google Earth](#) | [Bird's Eye](#) | [Google Maps & Street View](#)

QPID - Parcel Number	82261
Alt Parcel Number	10-12-30-0850-00970-0070
Parcel Acres	20012
Property Class	SF
Physical Address	207 MOORE ST N
Owner	HARRIS PAULETTE C -
Owner 2	LIFE ESTATE
Number of Buildings	1
Building Value	98398
Initial Damage Estimate	10 <input checked="" type="checkbox"/>
Estimate Date	2014-07-29
Actual Damages	
Flood Depth	Inches
Actual Date	

[Report Damage for Street](#) | [Edit Parcel Data](#) | [Report Damage](#) | [Estimate Damages](#)

**Report Actual Damage**

Affected  Save

**Set Flood Damages**

Feet  Inches Save

Parcel List

Search

Legend

Measure

Team Regions



There are multiple ways to assess damage in the field. From the Street Report just select a damage category...

qPublic - Integrated Damage Assessment Model - fl\_flagler

Home / Events View Map Dashboard Search / Edit Admin My Account Reports Pub Assistance Help Sign Out qPublic Chat

Event 30 Street Name: ANDERSON

Parcels Visited	1
Estimated # Parcels Damaged	8
Actual # Damaged Parcels	1
Impact Estimated Damages	\$62,287
Preliminary Damage Assessment (PDA)	\$0
Initial Verified Damage for Street	Category...
Flood Damage for Street	ft inches

100% Not Visited

Hide Parcel # Show Owner Hide Street # Show Build Type Show Home Biz Hide Flood Hide Residency Show Build Val Show Impact Assess Hide Date Hide Photos Show Notes

Parcel	Street #	Report Dmg	Flood Depth	Residence	Own / Rent	Insurance	Low Income	PDA	Date	Photos
10-12-30-0850-00630-0020 + Edit Parcel Info	104	Detailed Dmg Affected	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$6,238	2014-7-29	Upload / Associate
10-12-30-0850-00850-0100 + Edit Parcel Info	105	Detailed Dmg Minor	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$21,457	2014-7-29	Upload / Associate
10-12-30-0850-00840-0070 + Edit Parcel Info	111	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
10-12-30-0850-00650-0010 + Edit Parcel Info	200	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
10-12-30-0850-00830-0090 + Edit Parcel Info	205	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
10-12-30-0850-00650-0030 + Edit Parcel Info	206	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
10-12-30-0850-00650-0050 + Edit Parcel Info	208	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
10-12-30-0850-00830-0040 + Edit Parcel Info	211	Detailed Dmg Category...	ft inches	Primary Secondary	Own Rent	Insured Not Insured	Yes No	\$0		Upload / Associate
<b>Totals:</b>	<b>8</b>							<b>\$0</b>		



# Or use the Detailed Damage form...

Damage Detail Form - Google Chrome

qpmap2.qpublic.net/Idam/InitialInspection.php?parcel=82874&situs=111%20ANDERSON%20ST%20N&street=ANDERSON&visited=&e\_dam=8&a\_dam=&int\_e\_dam=62286.7&act

Apps Imported From Fire... App Dev qPub IDAM Social State EM sites IDAM Stand Alone cPanel Login IRS Pay Outlook Web App Log In to Fidelity Ne... Login - Adminer FEMA PA Forms Other bookmarks

**Damage Detail Form for Buildings on**  
**111 ANDERSON ST N**  
[Back to Street Report](#)

Alt Key: 10-12-30-0850-00840

Date of Inspection: mm/dd/yyyy

Water Depth: inches

Building Segment	Damage Type	None	Affected	Minor	Major	Destroyed
Foundation		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Superstructure		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roofing		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Exterior Finish		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Interior Finish		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Doors/Windows		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Building**

Residence	Own or Rent	Insurance	Sewage	Power Back-Up
<input checked="" type="radio"/> Primary Home <input type="radio"/> Secondary Home	<input checked="" type="radio"/> Own Home <input type="radio"/> Rent Home	<input checked="" type="checkbox"/> Homeowners <input type="checkbox"/> Commercial <input type="checkbox"/> Flood <input type="checkbox"/> Fire <input type="checkbox"/> Rental <input type="checkbox"/> Unknown <input type="checkbox"/> None	<input type="radio"/> Septic <input type="radio"/> All Municipal <input type="radio"/> Unknown	<input type="radio"/> Portable Generator <input type="radio"/> Whole House Generator <input type="radio"/> None <input type="radio"/> Unknown
Primary Phone			Low income	
Comments				

[Reset](#) [Submit](#)



Or work from the map.

ar parcels Additional Options ▾ Street Report

Chat Window Return to Dashboard [IDAM Home](#)



#### Reports

Parcel

View as: [Pictometry Visual](#) | [Pictometry Analytics](#) | [Google Earth](#) | [Bird's Eye](#) | [Google Maps & Street View](#)

QPID - Parcel Number	83043
Alt Parcel Number	10-12-30-0850-00640-0000
Parcel Acres	45150
Property Class	BIZ
Physical Address	604 MOODY BLVD E
Owner	ALKHOURY PROPERTY MANAGEMENT
Owner 2	INC
Number of Buildings	2
Building Value	603137
Initial Damage Estimate	10 <input checked="" type="checkbox"/>
Estimate Date	2014-07-29
Actual Damages	
Flood Depth	Inches
Actual Date	

[Report Damage for Street](#) | [Edit Parcel Data](#) | [Report Damage](#) | [Estimate Damages](#)

#### Report Actual Damage

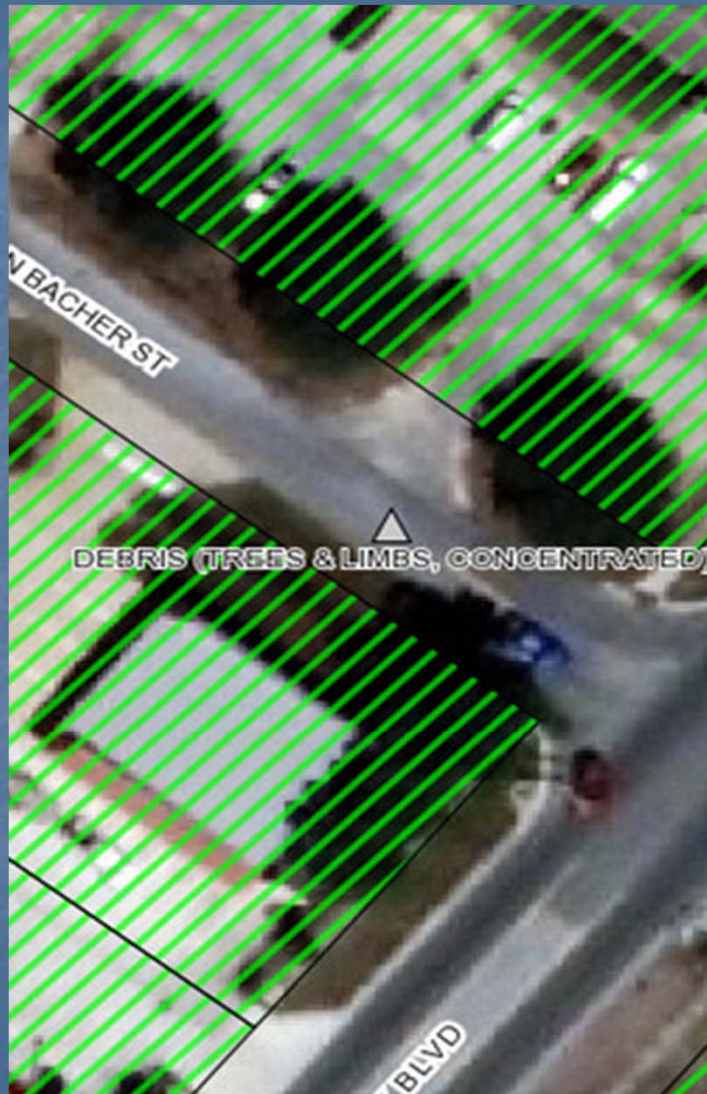
Affected

- Affected
- Minor
- Major
- Destroyed
- None
- Inaccessible
- Reset

Inches



# Report on Public Assistance as well as Individual Assistance.



## Enter a new debris item

Verify the lat and lon of the item and select it's type.

Lat:

29.46919876562637

Lon:

-81.25484825809201

Entity Type:

County

Name:

Flagler

Type:

[CY] DEBRIS (TREES & LIMBS, CONCENTRATED)

Hide Detailed Features

Name / Contact:

Description:

Debris blocking road

Quantity in [CY]

17

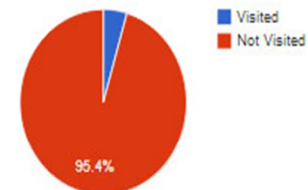
Add Done



# Know in real time what is happening in the field.

## Dashboard (Individual Assistance)

Event 30 Impact Assessment Affected Parcels	134
Vacant Parcels (not included in damage estimates)	25
Total Non-Vacant Affected Parcels	109
Impact Assessment	\$10,985,335
Sites Visited	5
Preliminary Damage Assessment (PDA)	\$188,786
Total Damage (Includes Secondary & Insured)	\$188,786
Parcels Not in Impact Assessment	0



Filter Options Select Remove Filter

Damages for:	# Visited / Estimated	Impact Assessment	PDA
ANDERSON	3 of 8	\$62,287	\$38,741
BACHER	2 of 2	\$50,015	\$150,046
BAY	0 of 7	\$210,629	\$0
CHAPEL	0 of 1	\$11,210	\$0
CHERRY	0 of 2	\$30,205	\$0
CHURCH	0 of 3	\$52,191	\$0
COURT	0 of 2	\$15,228	\$0

Reports are automatically updated as data comes in from the field. Below is the Individual Initial Assessment Report.

Filter Options

COUNTY		USNG		AFFECTED					MINOR					MAJOR					DESTROYED					INACCESSIBLE	SECONDARY	FLOOD DEPTH
fl_flagler		17RMN		Type	O	R	Ins	LO	Type	O	R	Ins	LO	Type	O	R	Ins	LO	Type	O	R	Ins	LO			
Number	Street																									
104	ANDERSON	75334	59896	SF																						
105	ANDERSON	75310	59855						BIZ	X		X														
111	ANDERSON	75183	59953	SF	X		X																			
209	BACHER	75156	60076						SF	X		X														
302	BACHER	75141	60166						MF		X														X	
110	CHERRY	75245	59764																					X		
205	CHERRY	75023	59877																SF	X						
		TOTALS			1		1			2	1	2								1				1	1	
		Type Key:		SF = Single Family					MF = Multi-Family					MH = Mobile Home					Biz = Business							

Select Streets Beginning With: [A](#) | [B](#) | [C](#) | [#s](#) | [Show All](#)



# There are several built-in reports for both IA and PA.

## Initial Assessment Summary

Show Either PDA (Verified) Damages, or Estimated Damages		<input type="radio"/> Estimated <input checked="" type="radio"/> Verified					
<b>Local Initial Damage Assessment Team Report</b> <b>Summary Report</b> Note: the number in parentheses corresponds to the paragraph number in the instructions							
(1a) County: flagler		Page    of					
(1b) Municipality:		<b>(5) Assessment Team Members / Summary Contact</b>					
(2) Incident Type: Tornado							
(3) Incident Period: 2014-07-30 - 2014-07-30							
(4) Date of Survey 2014-07-29							
<b>HOUSING AND BUSINESSES</b>							
Structure Type (6)	Total Damaged (7)	Affected Habitable (8)	Minor Damage <50% (9)	Major Damage >50% (10)	Destroyed Perm. Uninhabitable (11)	Total Losses (12)	Meets SBA Criteria** (13)
(6a) Homes (Single & Multi-Family)	5	2	2	0	1	\$47,939	1
(6b) Mobile Homes	0	0	0	0	0	\$0	0
(6c) Businesses	1	0	1	0	0	\$21,457	0
<b>(13) Total</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>\$69,396</b>	<b>1</b>
**SBA Criteria: 40% or greater uninsured damage							
<b>PUBLIC FACILITIES</b>							
Facility Type (14)	Total Number Damaged (15)	Category A (16)	Category B (17)	Category C-G (18)	Total* (19)		
(14a) State Government		\$0	\$0	\$0	\$0		
(14b) Local Government	2	\$136	\$0	\$0	\$136		
(14c) Private Non-profit		\$0	\$0	\$0	\$0		
<b>(20) Total</b>	<b>2</b>	<b>\$136</b>	<b>\$0</b>	<b>\$0</b>	<b>\$136</b>		
<b>TOTAL DAMAGES</b>							
<b>(21) Homes &amp; Businesses</b>		<b>(22) Public Facilities</b>		<b>(23) GRAND TOTAL*</b>			
\$69,396		\$136		\$69,532			

As you can see, GIS is so important to what we do in the Assessor's Office. I am firm believer in doing it "smarter not harder"!

I am very excited to see where technology takes us next.

Again, thank you for the opportunity to speak with you today and please let me know if I can be of assistance in the future.

[lwade@garfielddok.com](mailto:lwade@garfielddok.com) or [wadepatterson@icloud.com](mailto:wadepatterson@icloud.com)

580-548-2435 (desk) or 580-541-6011 (c)



Questions?