Matt Mathan, Bureau Chief Bureau of GIS Division of IT Department of Economic Development

County Aerials Photographs

- Color Aerials Taken in 1999
- Scale 1"=50' (1/2' X1/2' Pixel) 3 Towns
- Scale 1"= 100' (1' x 1' Pixels) 18 Towns
- New Flight for three towns (2004, April)
- Six Basic Vector Layers

GIS Service by Departments & Towns

- Megan's Law
- Drug Free Zone
- Homicide & Investigation
- Security Planning
- Prosecutor
- Sheriff's Office
- Office of Emergency Management
- Board of Election
- Board of Taxation
- Community Development
- Economic Development
- County Police
- Union County Engineering
- Parks & Recreation
- Runnels Hospital
- Data Processing

Linden Plainfield Fanwood Garwood Hillside **Berkley Heights New Providence** Westfield Rahway Springfield Elizabeth Mountainside Clark **Kenilworth** Elizabeth Scotch Plains

Union County Street Map

- 1. We have the copyright
- 2. Save lots of money
- 3. 25,000 copies printed
- 4. 97% accuracy
- Most updated street information (2003)

Union County Street Map

- 1. We won three awards from New Jersey State competition
- 2. 1st Place for Best Overall Map
- 3. 1st Place for Best Cartographic Design
- 4. 2nd Place for 'Newbie of the Year'.
- 5. It is Automatically qualified to enter the International conference in CA

GIS and Pictometry

Pictometry and GIS

1. 3-D Views (4 Sides) for every Buildings in the County also available (Prosecutor's Office & County Police)

2. GIS will Coordinate Training and Support all Pictometry Users.

Drug Free Zone – Prosecutor's Office

- 1. Data available on an intranet website
- 2. Quick determination without having to search through tax books
- 3. Maps in the court room
- 4. 100% conviction when GIS Maps used
- 5. Save labor, paper trail, and time
- 6. Appreciation from judges and lawyers

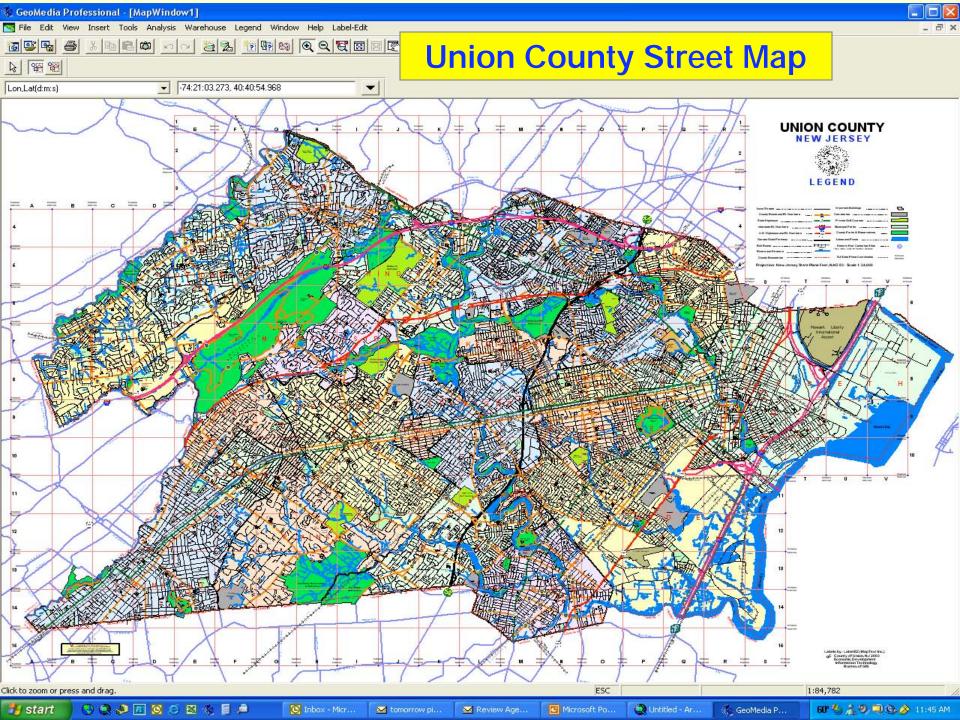
Our Best and Award Winning Project

Union County Street Map

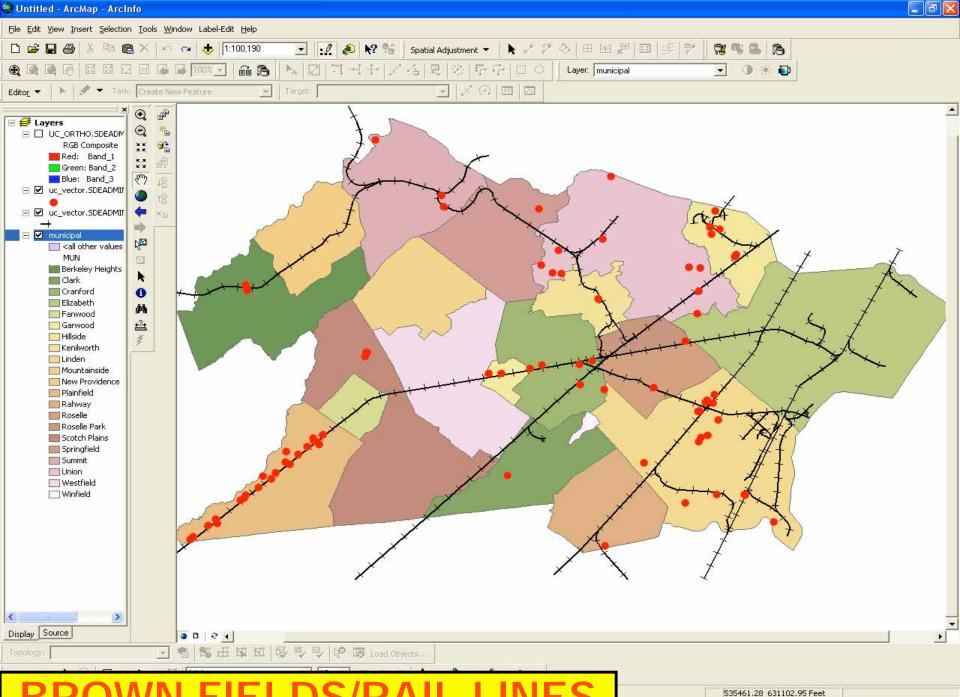
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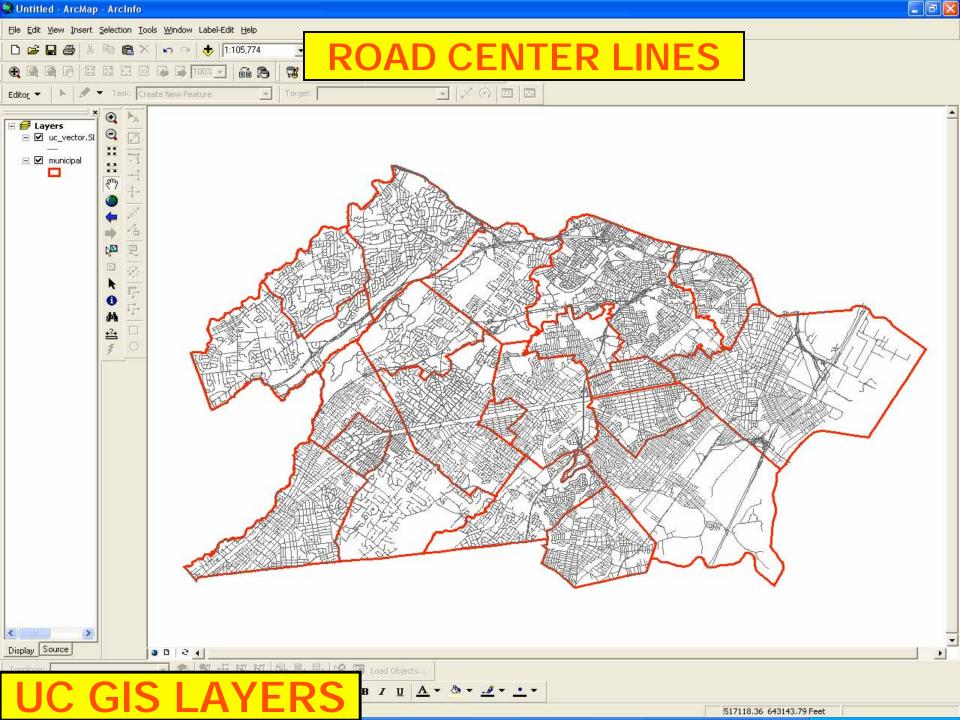
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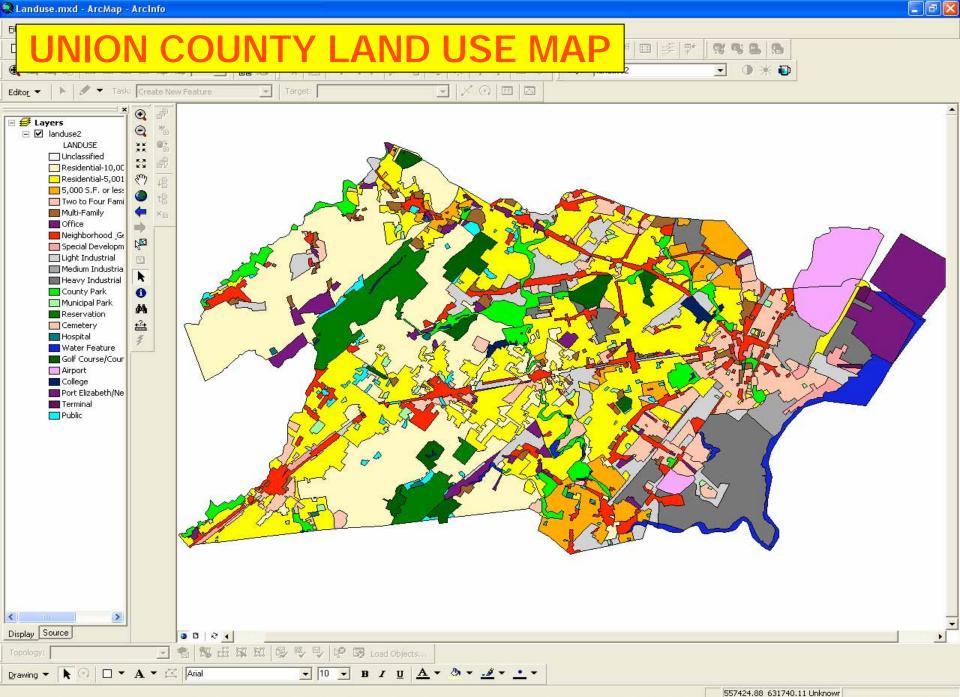


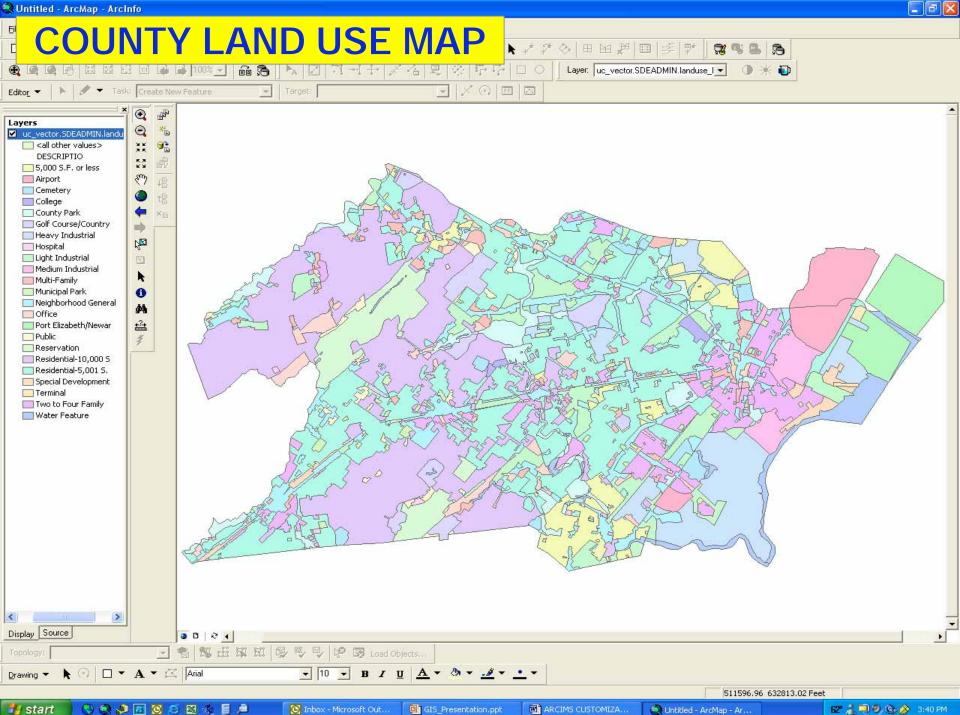
GIS LAYERS



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💽 Inbox - Microsoft Out...

GIS_Presentation.ppt

GIS and Megan's Law

How to keep the data updated

- Changes are made to the Server
- Direct Access
- Editing Capabilities
- One software license
- Megan's Law staff maintain the data

Data security

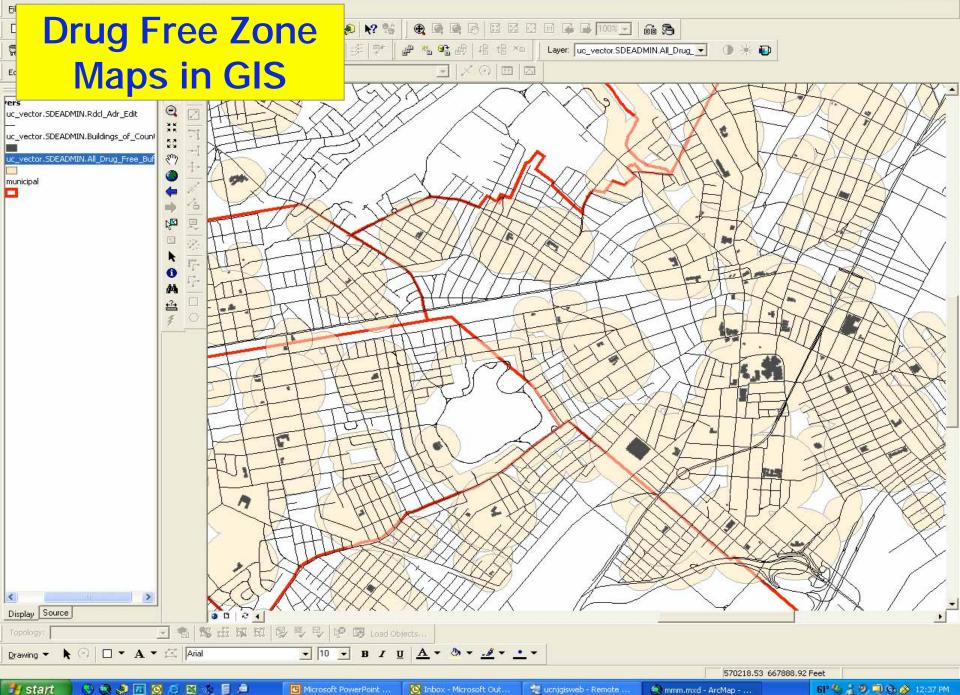
- Behind multiple firewalls
- Multiple password protection
- Access is limited to GIS and Network Administrators
- Confidentiality Agreement

Drug Free Zone – Prosecutor's Office

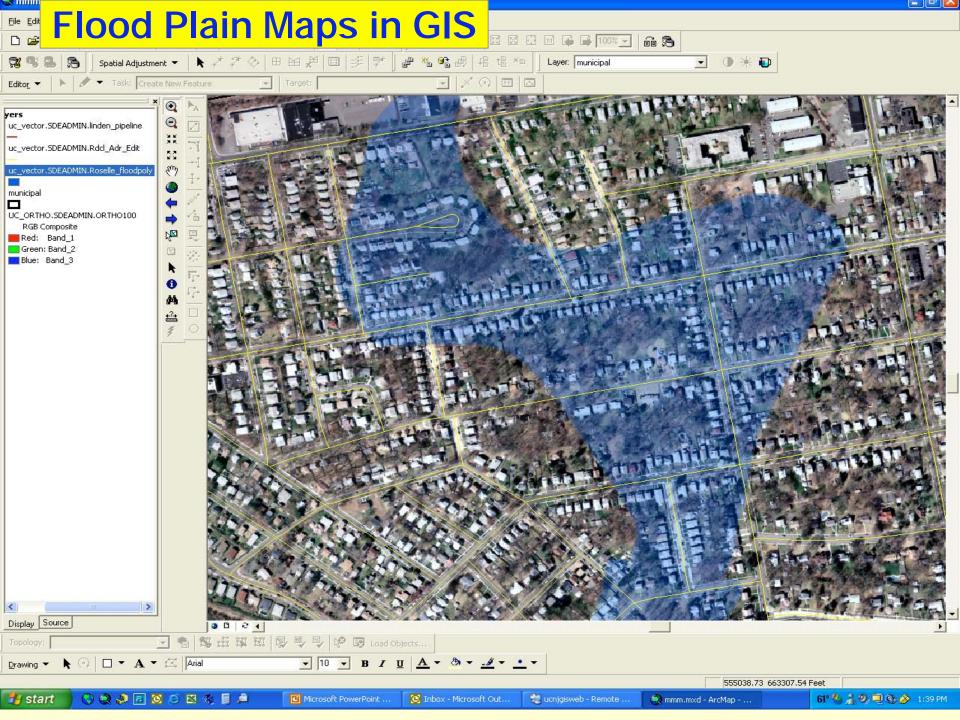
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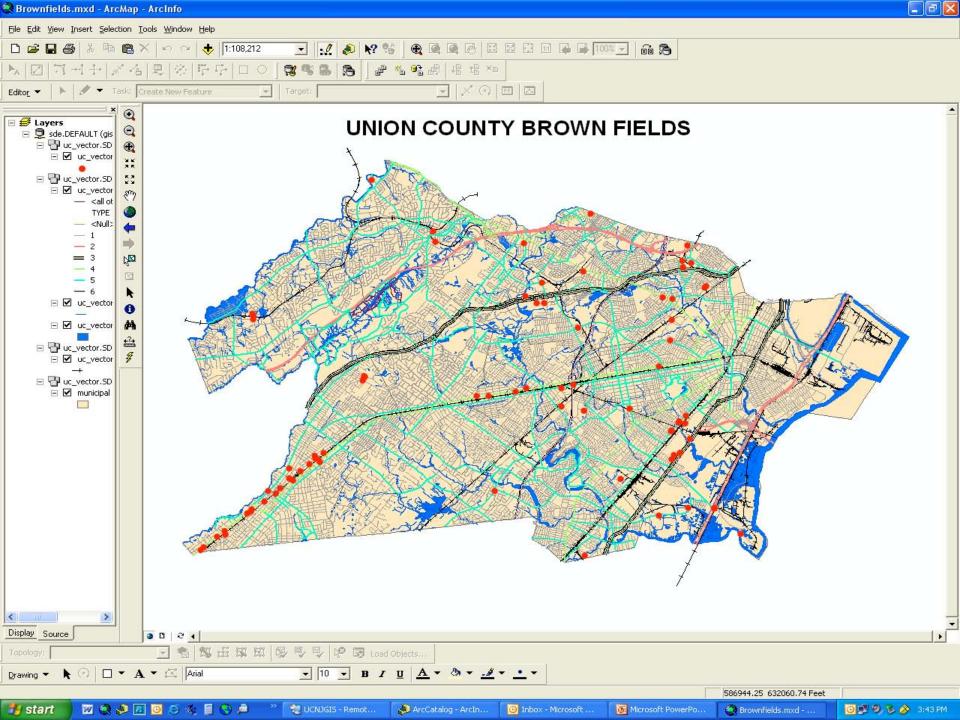




GIS and Flood Plain Maps



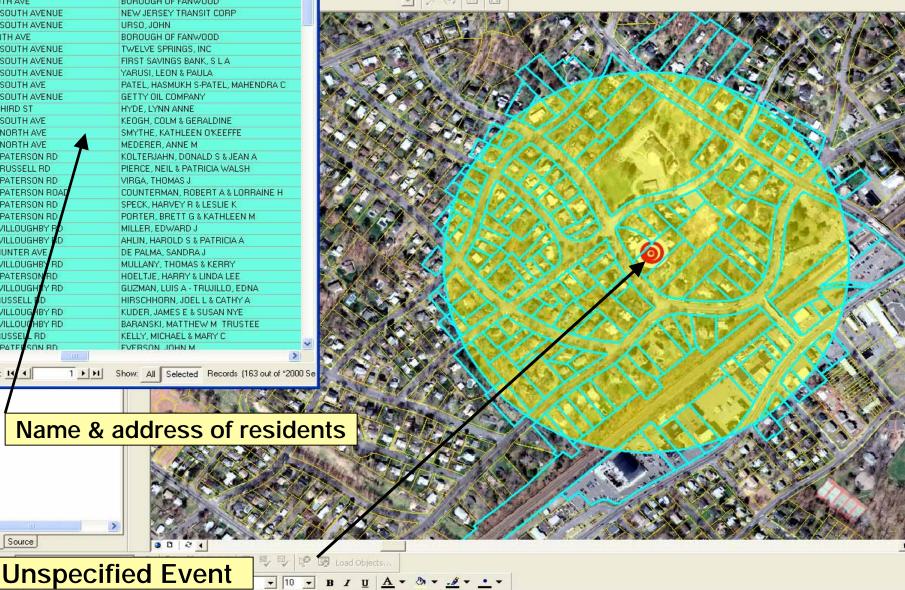
GIS and Brownfields



Selected Attributes of uc_vector.SDEADMIN.Fanwood_Par

-	÷	(<u></u>		
	LOCATION	OWNERNAME	2	
Ł	124 WATSON RD	BRENNAN, ROBERT M & BARBARAaaa		
2	130 WATSON RD	THE BOROUGH OF FANWOOD		
1	180 NORTH AVE	MASTROCOLO, FAMILY, LP		
200	196 NORTH AVE	DE QUINTAL, LINDA		
	SOUTH AVE	BOROUGH OF FANWOOD		
	233 SOUTH AVENUE	NEW JERSEY TRANSIT CORP		
	217 SOUTH AVENUE	URSO, JOHN	1	
	NORTH AVE	BOROUGH OF FANWOOD		
1	209 SOUTH AVENUE	TWELVE SPRINGS, INC		
12	204 SOUTH AVENUE	FIRST SAVINGS BANK, S L A		
12	200 SOUTH AVENUE	YARUSI, LEON & PAULA		
1	190 SOUTH AVE	PATEL, HASMUKH S-PATEL, MAHENDRA C		
	184 SOUTH AVENUE	GETTY OIL COMPANY		
	32 THIRD ST	HYDE, LYNN ANNE		
	168 SOUTH AVE	KEOGH, COLM & GERALDINE		
	300 NORTH AVE	SMYTHE, KATHLEEN O'KEEFFE		
15	294 NORTH AVE	MEDERER, ANNE M		
12	205 PATERSON RD	KOLTERJAHN, DONALD S & JEAN A		
11	100 RUSSELL RD	PIERCE, NEIL & PATRICIA WALSH		
21	209 PATERSON RD	VIRGA, THOMAS J		
	219 PATERSON ROAD	COUNTERMAN, ROBERT A & LORRAINE H		
	215 PATERSON RD	SPECK, HARVEY R & LESLIE K		
	131 PATERSON RD	PORTER, BRETT G & KATHLEEN M		
	77 WILLOUGHBY PD	MILLER, EDWARD J		
S	70 WILLOUGHBY ID	AHLIN, HAROLD S & PATRICIA A		
2	88 HUNTER AVE	DE PALMA, SANDRA J		
1	81 WILLOUGHBY RD	MULLANY, THOMAS & KERRY		
1	155 PATERSON RD	HOELTJE, HARRY & LINDA LEE		
	74 WILLOUGH Y RD	GUZMAN, LUIS A - TRUJILLO, EDNA		
	59 RUSSELL D	HIRSCHHORN, JOEL L & CATHY A		
	91 WILLOUG ABY RD	KUDER, JAMES E & SUSAN NYE		
	80 WILLOUGHBY RD	BARANSKI, MATTHEW M. TRUSTEE		
1	63 RUSSELL RD	KELLY, MICHAEL & MARY C		
1		EVERSON JOHN M	1	
<		<u>></u>		
Record: II I I I Show: All Selected Records (163 out of *2000)				

GIS Buffer Process



Open attribute table for this layer

Display Source

N2

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Report in PDF format

Row # : 23 Owner : GURAL, ANTHONY F & SUCHIN Owneraddre : Ownercity : ELIZABETH Ownerstate : N J Percentown : 0 Propertych :

Row # : 24 Owner : CLEOPHAT, CHARLES, JAMES & TONY Owneraddre : Ownercity : ELIZABETH Ownerstate : NJ Percentown : 0 Propertych :

Row # : 25 Owner : CURADO, VALDEMAR J Owneraddre : Ownercity : ELIZABETH Ownerstate : N J Percentown : 0 Propertych :

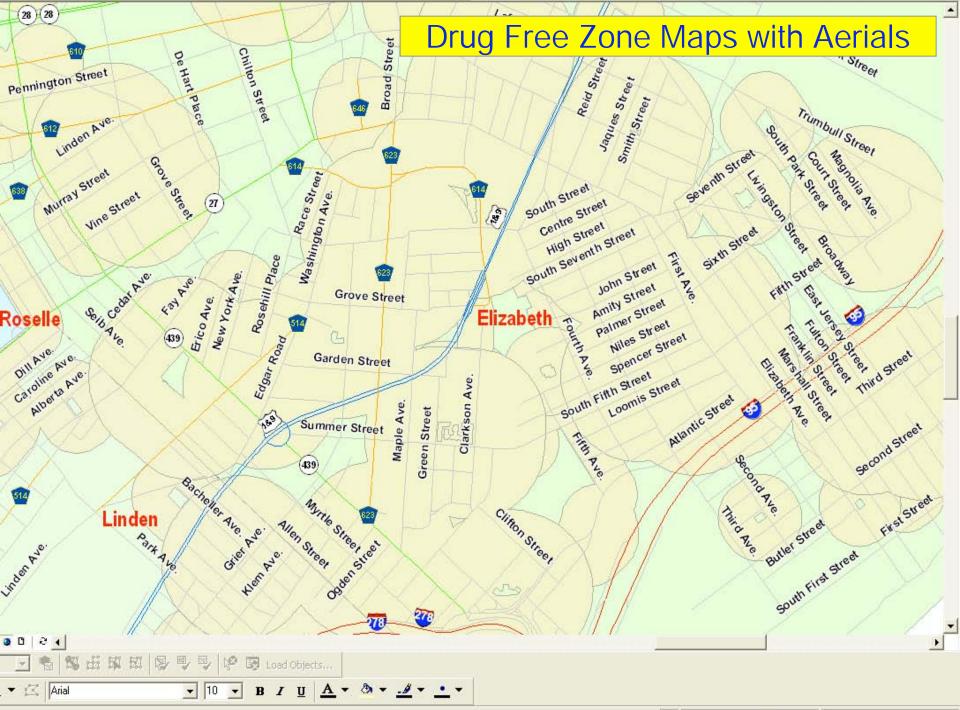
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GIS and Drug Free Zone Offences



572487.70 659542.27 Feet

DATA DISTRIBUTION

Union County GIS Website

Free access to limited data. Sensitive data and Aerials are in our secured website and the access is limited to Government employees

http://ucgis.ucnj.org/gismaps/onpoint

UNION COUNTY GIS Thank you! **OUESTIONS?** Matt Mathan, Bureau Chief **BUREAU OF GIS** 908-527-4076 Mmathan@ucnj.org