



**Office of Information
Technology Services**

Statewide Parcel Map Program

NYS GIS Program Office

October 30, 2015

Kate Kiyanitsa, GISP

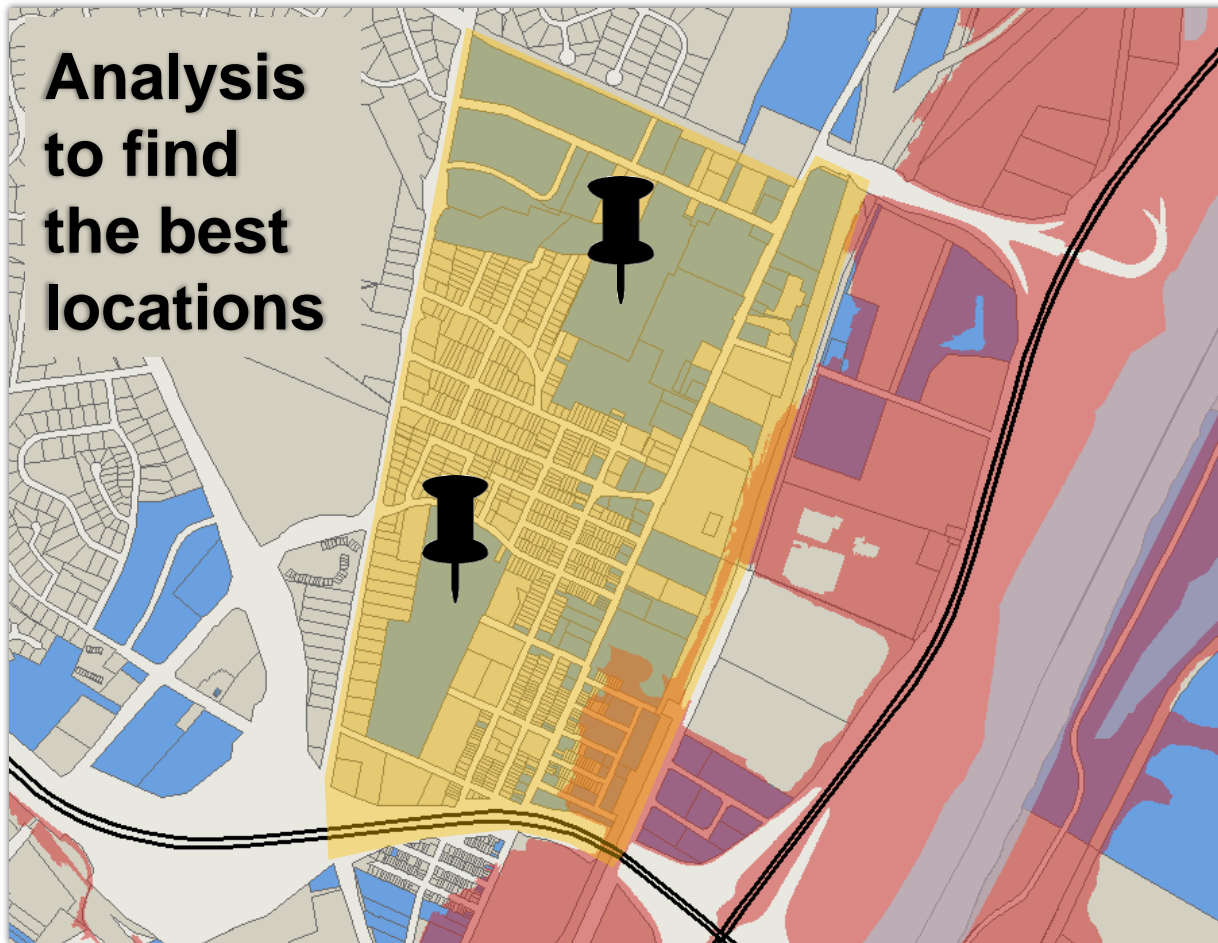
NYS GIS Program Office




(518) 242-5041

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The Importance of GIS Tax Parcel Data

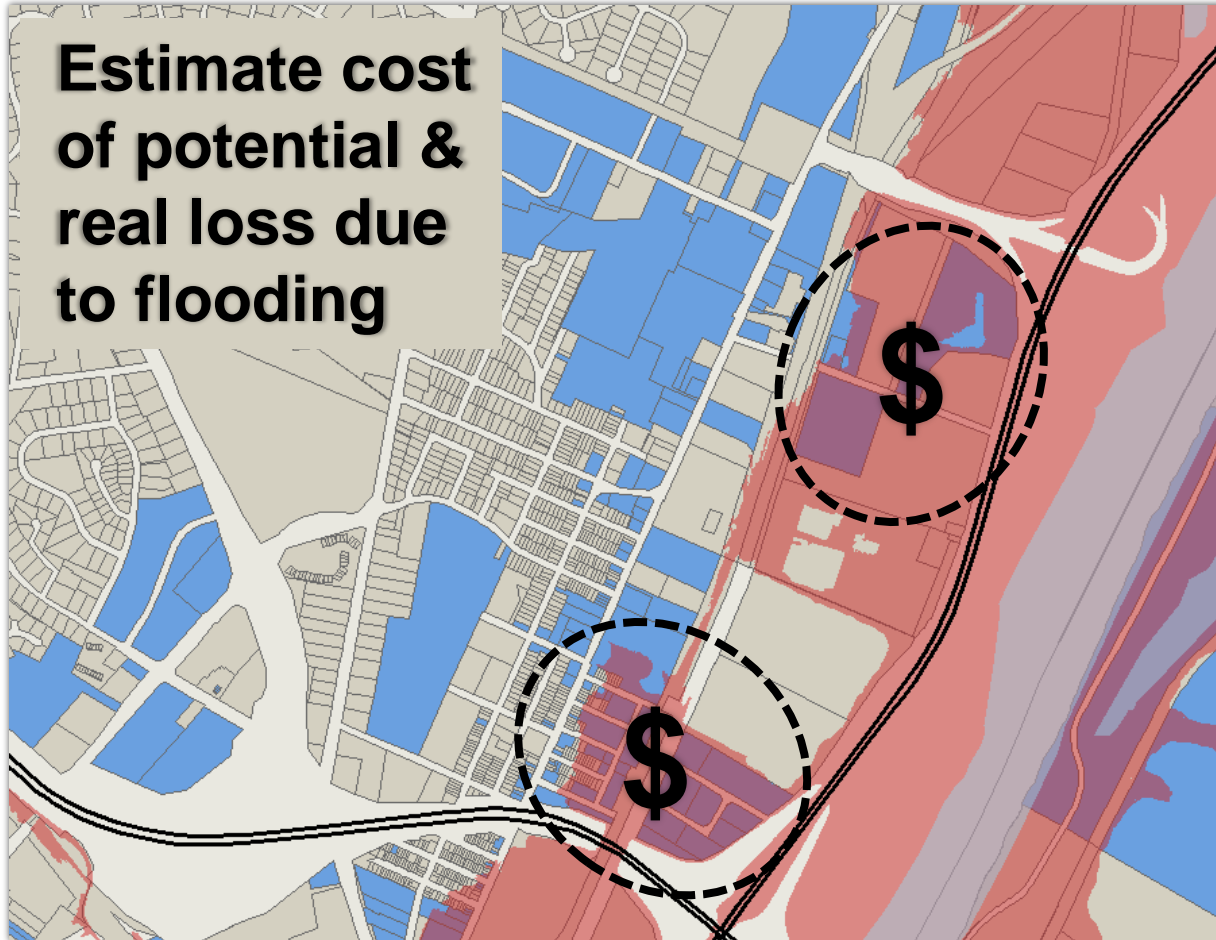
**Analysis
to find
the best
locations**





-  Commercial Tax Parcels
-  Fiber Broadband Service
-  Flood Zone (500 year)

Economic Development: Site Selection

**Estimate cost
of potential &
real loss due
to flooding**



-  Commercial Tax Parcels
-  Flood Zone (500 year)

**Emergency
Preparedness &
Response:
Assessing Risk
& Damage**

2015 Clinton Correctional Facility escape

From Wikipedia, the free encyclopedia

Coordinates: 44°43′23″N 73°43′08″W﻿ / ﻿

The **2015 Clinton Correctional Facility escape** took place on June 6, 2015, when two inmates, **Richard Matt** and **David Sweat**, were discovered during a 5:30 a.m. bed check at the **Clinton Correctional Facility**. The two had been serving time for murder.^[1] Near the end of the escape, Matt was found at **Malone, New York**, where he was shot and killed;^[2] and two days later, Sweat was shot and taken into custody.^[3] The investigation was said to cost about \$

SECTIONS

The New York Times SUBSCRIBE LOG IN

N.Y. / REGION

DNA Matching 2 Escapees Is Found in Cabin 15 Miles From Prison

By SUSANNE CRAIG and ANDY NEWMAN JUNE 22, 2015

N.Y. / REGION

Size of Manhunt Area for Second Prison Escapee Is Significantly Expanded

By BENJAMIN MUELLER JUNE 27, 2015

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Law enforcement officers on Saturday significantly expanded the area where they were searching for the remaining inmate who broke out of a maximum-security prison in northern New York this month, suggesting that officials had developed doubts that he recently had been with his partner, who was killed on Friday.

Three weeks after David Sweat emerged from a manhole outside



State troopers on Route 30 near Malone, N.Y., on Saturday in a heavily wooded area where the authorities were searching for David Sweat, a killer who escaped from a prison three weeks ago. Nancie Battaglia for The New York Times



The State Police patrolling the area near Owls Head, N.Y., after DNA evidence of two escaped murderers was found in a cabin. Jacob Hannah for The New York Times

Emergency Preparedness & Response: North Country Manhunt

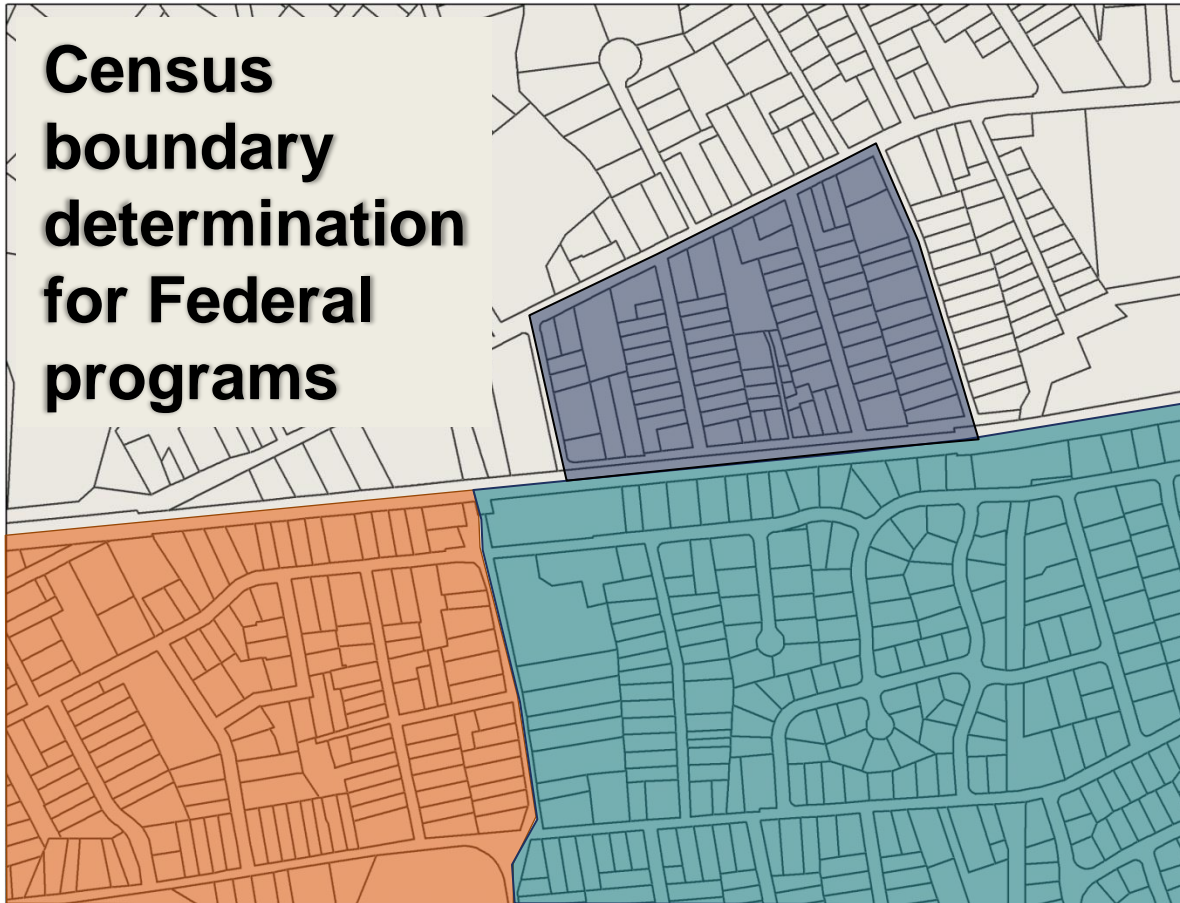
**Identify & notify
property
owners quickly
and efficiently**



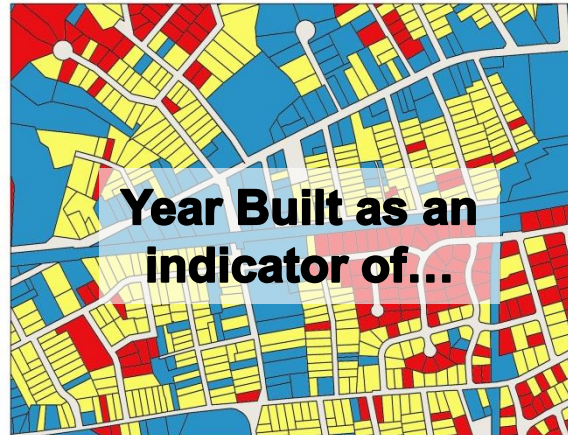
Owner Identification:

- **Water supply protection**
- **Hazards/ spills**
- **“Abutters”**
- **Lots More...**

**Census
boundary
determination
for Federal
programs**



**2020 Census:
Boundary
Assessment
Quality and
Reconciliation
Project**



MANY More:
Real Estate
Academic Studies
Web/Mobile Services
Geo-fencing
...etc...

The Problem with GIS Tax Parcel Data

Challenging to Obtain a complete “set”



Internet searches on multiple websites



Phone calls to multiple offices



In-person visits



Written requests and FOIL



Requests & data may need to be physically mailed

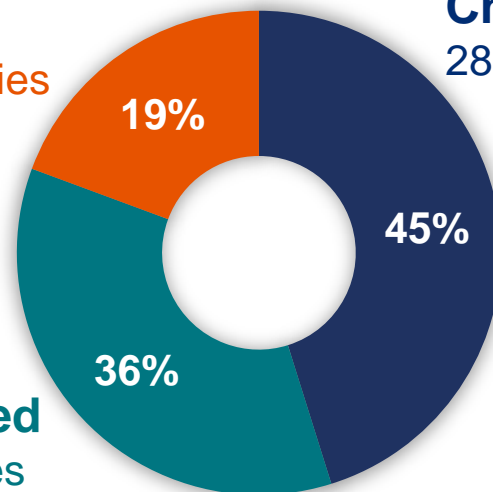


Data may cost \$ to access

County GIS Tax Parcel Data Access

Public
12 counties

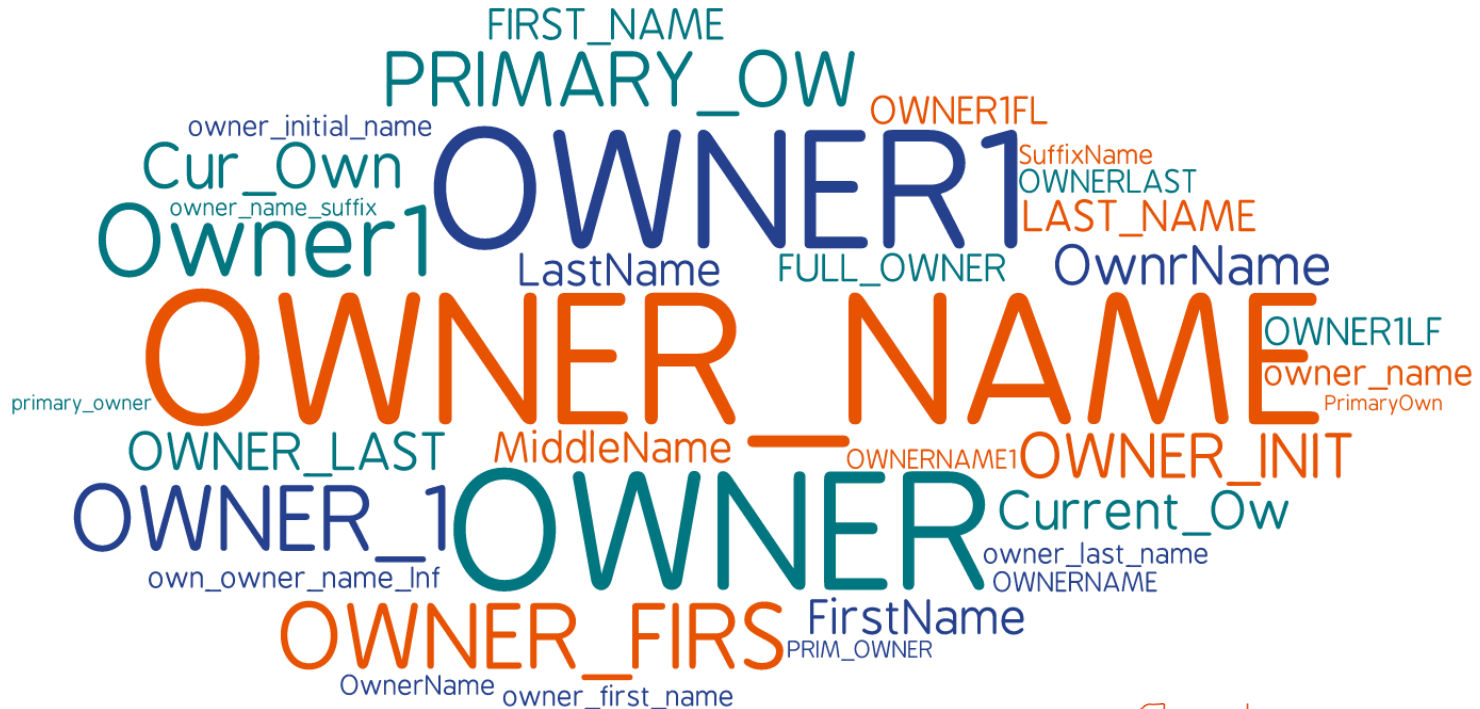
Charge \$
28 counties



Restricted
22 counties

Difficult to merge into one “seamless” file

34 separate ways **Primary Owner** is identified in county GIS tax parcel data



Disparate data fields from county to county

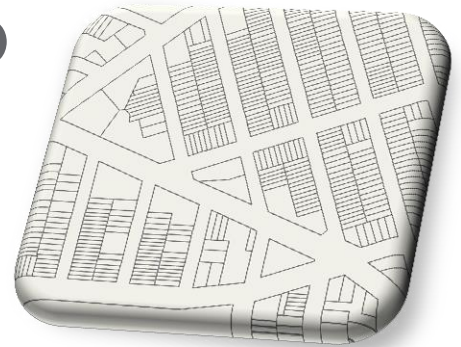
Data needed
may be
missing **X**
in some
counties'
data

Attribute Needed	County #1	County #2	County #3	County #4	County #5
Municipality	✓	✓	✓	✓	✗
Owner	✗	✗	✓	✗	✓
Mailing Address	✓	✗	✓	✓	✓
Property Class	✓	✗	✓	✓	✓
Year Built	✗	✗	✓	✓	✗

The Solution: Statewide Parcel Map Program

The Statewide Parcel Map Program

Our mission is to **collect, assemble, maintain,** and **provide access** to statewide tax parcel GIS data.



Standard Schema

ALIAS	FIELD NAME	DESCRIPTION
Physical Address	PHYSICAL_ADDRESS	Physical address of parcel: building number and street name
Parcel Municipality	PARCEL_MUNI	Parcel location Municipality; NYC Boroughs
Parcel County	PARCEL_COUNTY	Parcel location County (<i>GPO created data</i>)
Primary Owner	OWNER1	Current primary owner of the parcel
Secondary Owner	OWNER2	Current secondary owner of the parcel
Owner Type	OWNER_TYPE	1 = Federal, 2 = State, 3 = County, 4 = City, 5 = Town, 6 = Village, 7 = Mixed Gov't, 8 = Private, -999 = Unknown (<i>GPO created data</i>)
Mail Address 1	MAIL_ADDR_1	Mailing address- first line
Mail Address 2	MAIL_ADDR_2	Mailing address- second line
Mail City	MAIL_CITY	Mailing address- city
Mail State	MAIL_STATE	Mailing address- state
Mail Zip Code	MAIL_ZIP	Mailing address- zip code
Property Class Code	PROP_CLASS	NYS: 3-digit Property Class Code: http://www.tax.ny.gov/research/property/assess/manuals/prclas.htm NYC: PLUTO 2-digit Land Use Code & 2-digit Building Class code: http://www.nyc.gov/html/dcp/pdf/bytes/meta_mappluto.pdf (See additional tables in GDB for values)
Land Assessed Value	LAND_AV	Assessed land value of the parcel
Total Assessed Value	TOTAL_AV	Total assessed value of the parcel
Year Built	YEAR_BUILT	Year built
Parcel Area	AREA_PARCEL	Area of parcel per tax assessment; units are assumed to be acres, or square feet (e.g. NYC, Monroe County)
Print Key	PRINT_KEY	Formatted SBL
SBL	SBL	Section-Block-Lot ID
SWIS	SWIS	SWIS code
Geometry Year	SPATIAL_YR	Year parcel polygon was last updated
Assessment Year	ROLL_YR	Tax year of assessment roll attributes
NYS Agency Name	NY_NAME	NYS agency name or "New York State". Populated only when OWNER_TYPE is State (2). (<i>GPO created data</i>)

All tax parcel geometry data received from **counties** are loaded into a standard schema within a file geodatabase using **SWIS, Print Key, & SBL**



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Mail Address 2	MAIL_ADDR_2	Mailing address- second line
Mail City	MAIL_CITY	Mailing address- city
Mail State	MAIL_STATE	Mailing address- state
Mail Zip Code	MAIL_ZIP	Mailing address- zip code
Property Class Code	PROP_CLASS	NYS: 3-digit Property Class Code: http://www.tax.ny.gov/research/property/assess/manuals/prclas.htm ; NYC: PLUTO 2-digit Land Use Code & 2-digit Building Class code: http://www.nyc.gov/html/dcp/pdf/bytes/meta_mappluto.pdf (See additional tables in GDB for values)
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This is joined to **Assessment Roll** data supplied by the NYS Department of Taxation & Finance **Office of Real Property Tax Services (NYS ORPTS)**

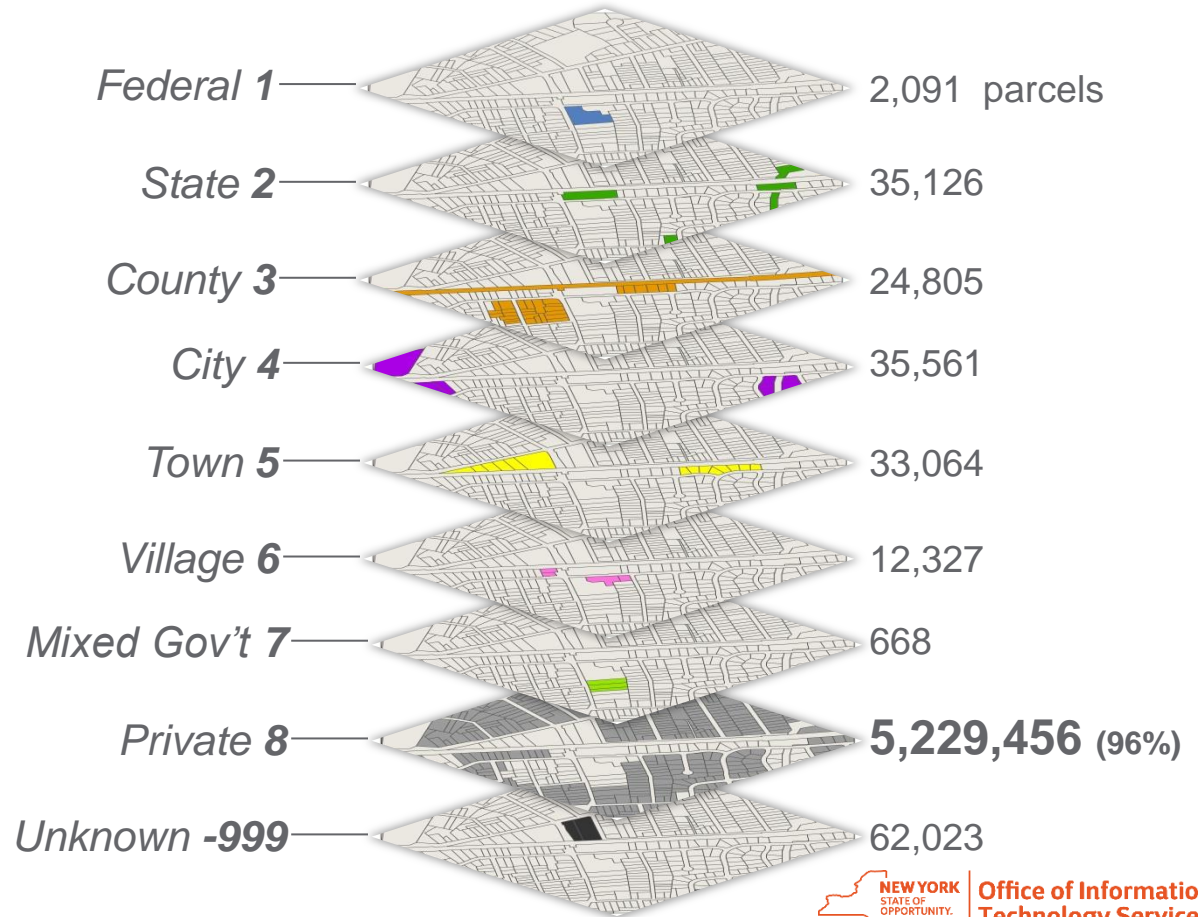
Standard Schema

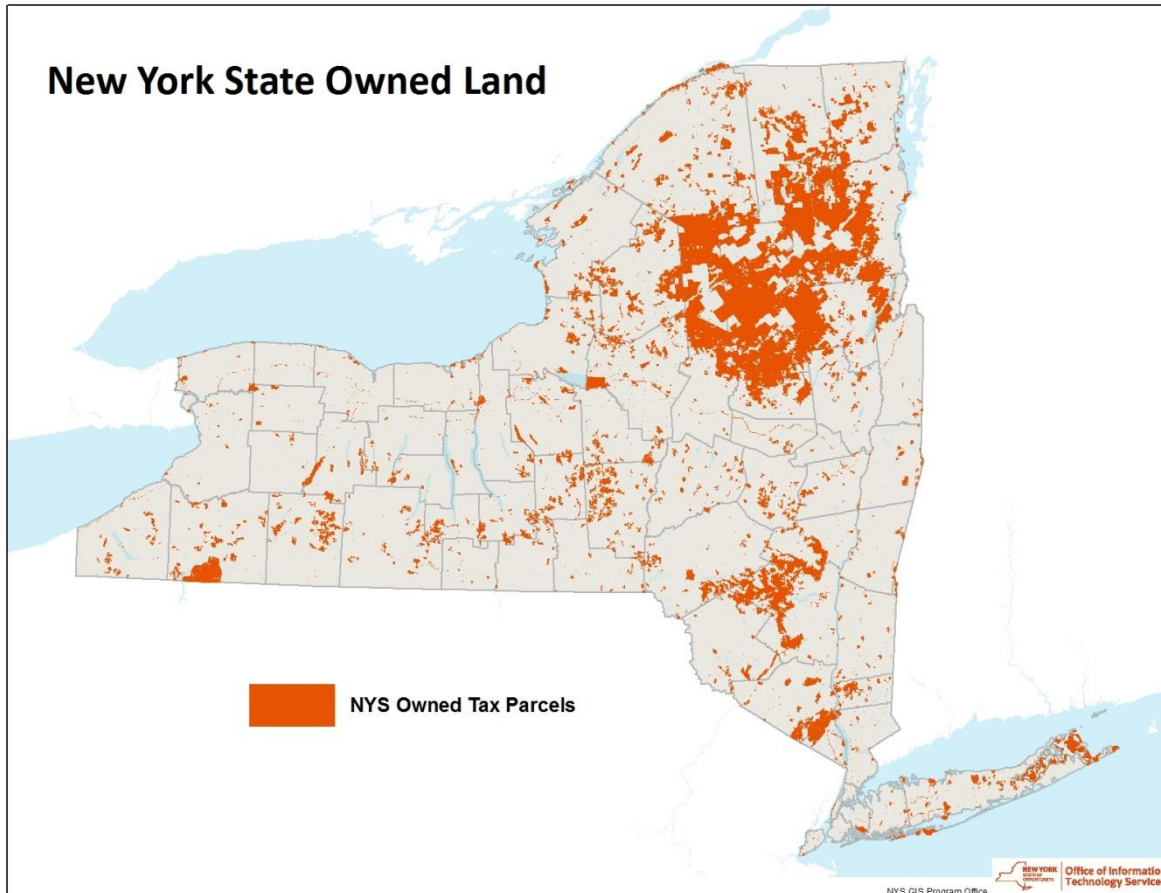
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Mail State	MAIL_STATE	Mailing address- state
Mail Zip Code	MAIL_ZIP	Mailing address- zip code
Property Class Code	PROP_CLASS	NYS: 3-digit Property Class Code: http://www.tax.ny.gov/research/property/assess/manuals/prclas.htm NYC: PLUTO 2-digit Land Use Code & 2-digit Building Class code: http://www.nyc.gov/html/dcp/pdf/bytes/meta_mappluto.pdf (See additional tables in GDB for values)
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NYS Agency Name	NY_NAME	NYS agency name or "New York State". Populated only when OWNER_TYPE is State (2). (<i>GPO created data</i>)

The NYS GIS Program Office (GPO) populates the remaining fields:
County, Geometry Year, Owner Type, and NYS Name

Owner Type & State Owned GIS Tax Parcels

Owner Type



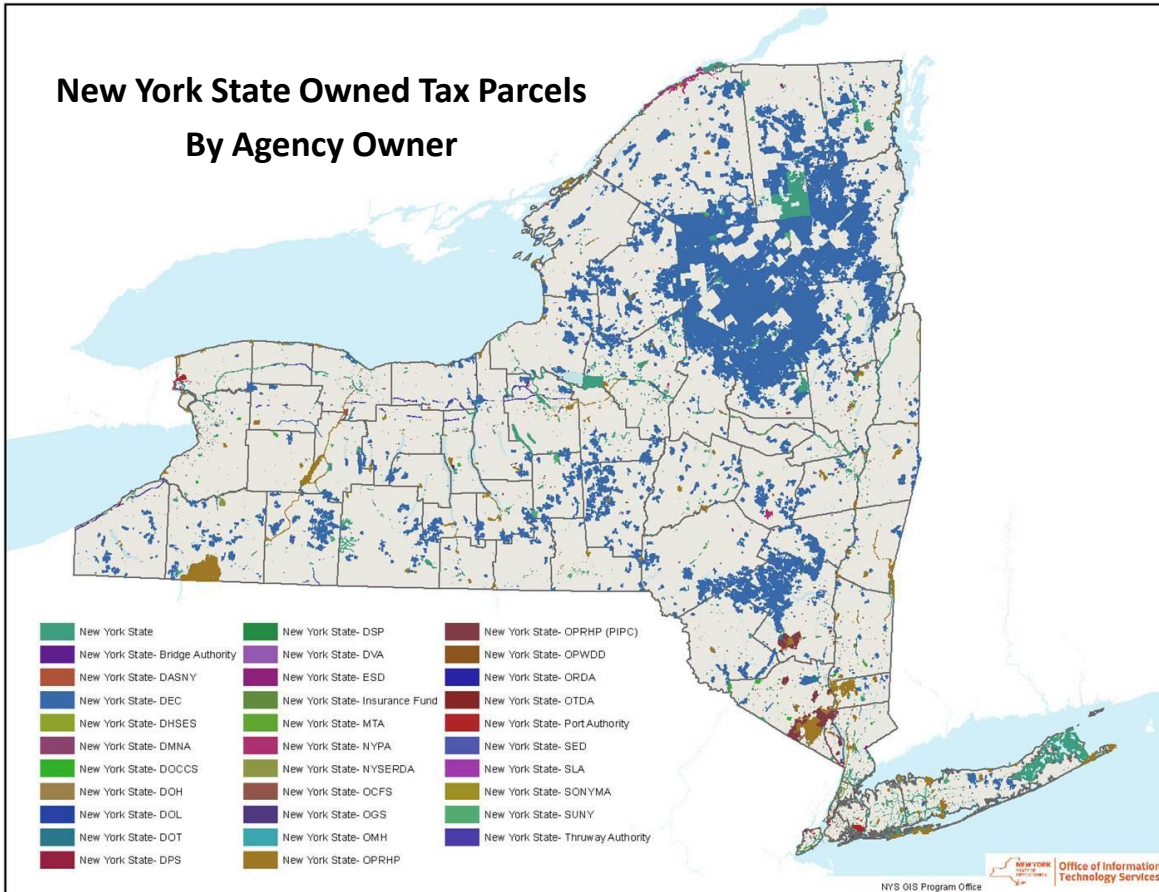


New York State Owned Tax Parcels

were identified using:

- **“Owner Name”** in assessment roll data
- **GIS overlays** of known State Land
- Work with **individual State Agencies** (on-going)

New York State Owned Tax Parcels By Agency Owner



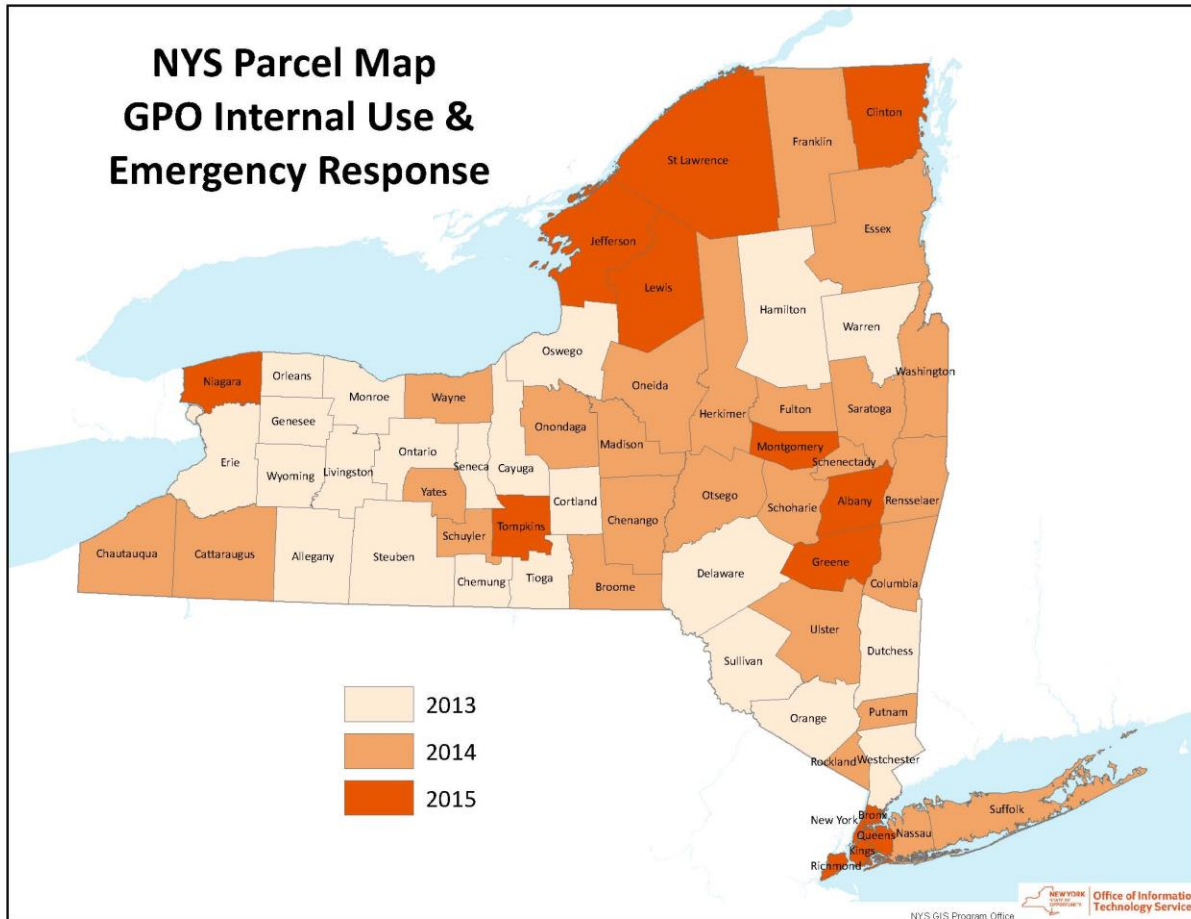
New York State Owned Tax Parcels by Agency

were identified using:

- Online Research
- GIS overlays of known State Agency Land
- Work with individual State Agencies (on-going)

What is available to use now?

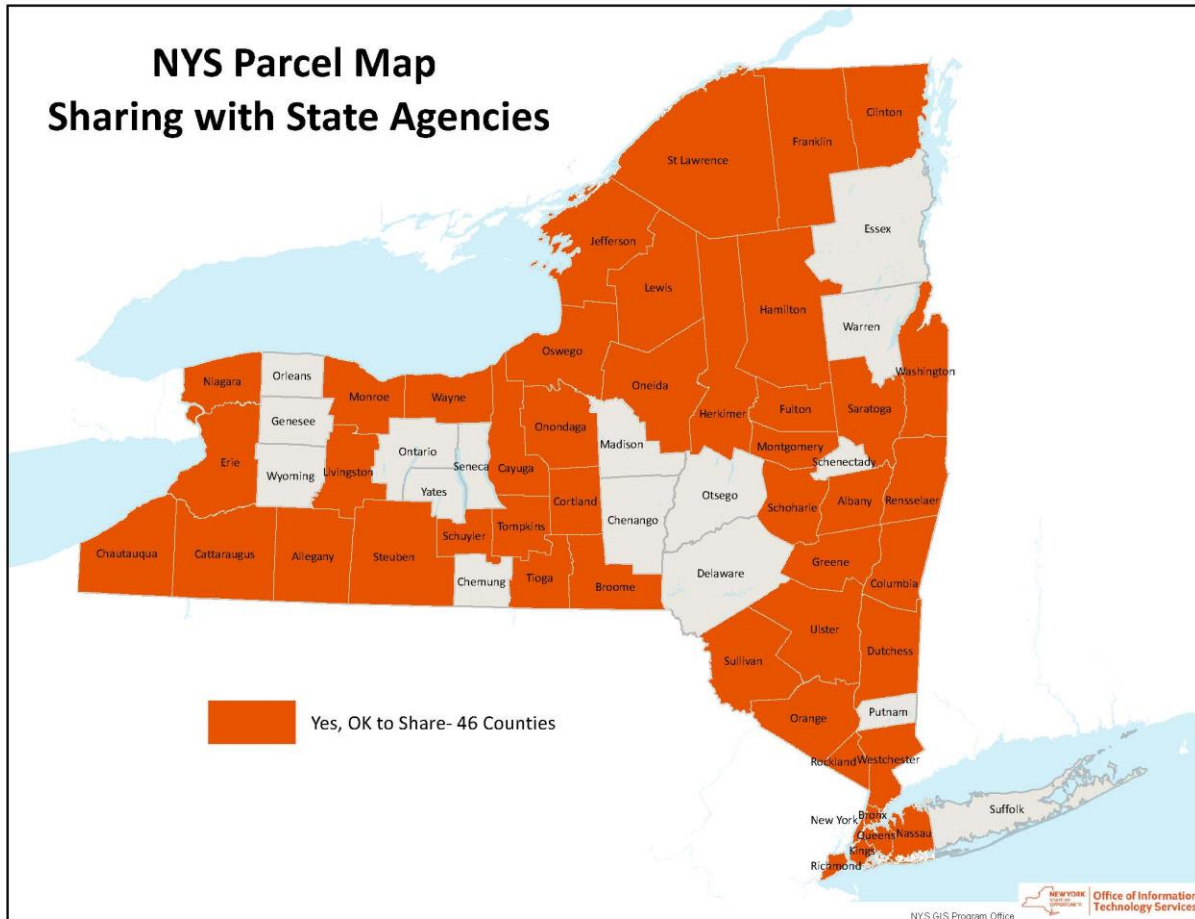
NYS Parcel Map GPO Internal Use & Emergency Response



All 62 counties
can be used by the
GPO for:

- Internal GPO projects
- Emergency Preparedness & Response Activities
- CIRIS

NYS Parcel Map Sharing with State Agencies



46 counties are shareable with State Agencies



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[NYS ITS](#)

[GIS DATA](#)

[COORDINATION PROGRAM](#)

[ORTHOIMAGERY](#)

[DATA SHARING COOPERATIVE](#)

GIS IN THE NEWS: [Commercial UAV Expo Opens Today in Las Vegas](#)



WHAT'S NEW

[NY/NJ 3DEP Broad Agency Announcement Public Workshop - 6/19/15](#)

[2014 Orthoimagery Available For Download](#)

[Tax Parcel Data](#)

[NYS Elevation Data](#)

[GIS Help Desk](#)

[GIS Streets and Addresses](#)

[NYS GIS Strategic Plan](#)

es are
with

[STREET ADDRESS MAPPING \(SAM\)](#)

[ELEVATION](#)

[RASTER MAPS](#)

[OUTREACH](#)

[GIS HELP DESK](#)

[CUGIR](#)

Thanks!
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