

A glass globe sits on a stone surface. The stone is engraved with several circular university seals. One prominent seal in the foreground features a central emblem with a book and a leaf, surrounded by the text 'THE OHIO STATE UNIVERSITY' and 'DISCIPLINA'. Other seals are visible in the background, some with stars and other symbols. The scene is lit with soft, natural light, creating a slight shadow for the globe.

# Yapping on Mapping:

Using GIS to manage college & university landholdings





# AGENDA

Introductions

What is GIS?

Fast Facts - OSU and  
OSU

Past, Present, and Future

Tips for Building A Real  
Estate GIS

Questions

# What is GIS?

"While mapping is fundamental, GIS does much more." -ESRI



Data management



Mapping and visualization



Spatial analysis



Communication



<https://www.esri.com/en-us/about/about-esri/overview>  
<https://www.esri.com/en-us/what-is-gis/overview>

# OSU



- Established 1870
- 65,000 Students
- Mascot - Brutus Buckeye
- Campus Highlight - Ambulatory Facilities
- 18 colleges and schools including an academic medical center

# OSU



- Founded 1868
- 36,636 Students
- Mascot: Benny the Beaver
- Campus Highlight - Forest Research/Marine Science
- 11 Academic Colleges
- 3 Campuses, 12 Research & Experiment Stations, Extension Offices in all 36 Counties



# OSU



**Real Estate Projects**  
200+ transactions annually



**Lease Administration**  
300+ leases



**Property Management**  
14 properties on Columbus campus



**Operations**  
15,000+ acres across Ohio  
700+ active easements

# OSU



**Real Estate Projects**  
Process 200+ transactions per year



**Lease Administration**  
230+ active leases on 3 campuses plus  
AES and extension sites



**Property Management**  
3 mixed commercial/university use  
properties



**Operations**  
23,000+ acres across Oregon  
350+ active easements

# OSU



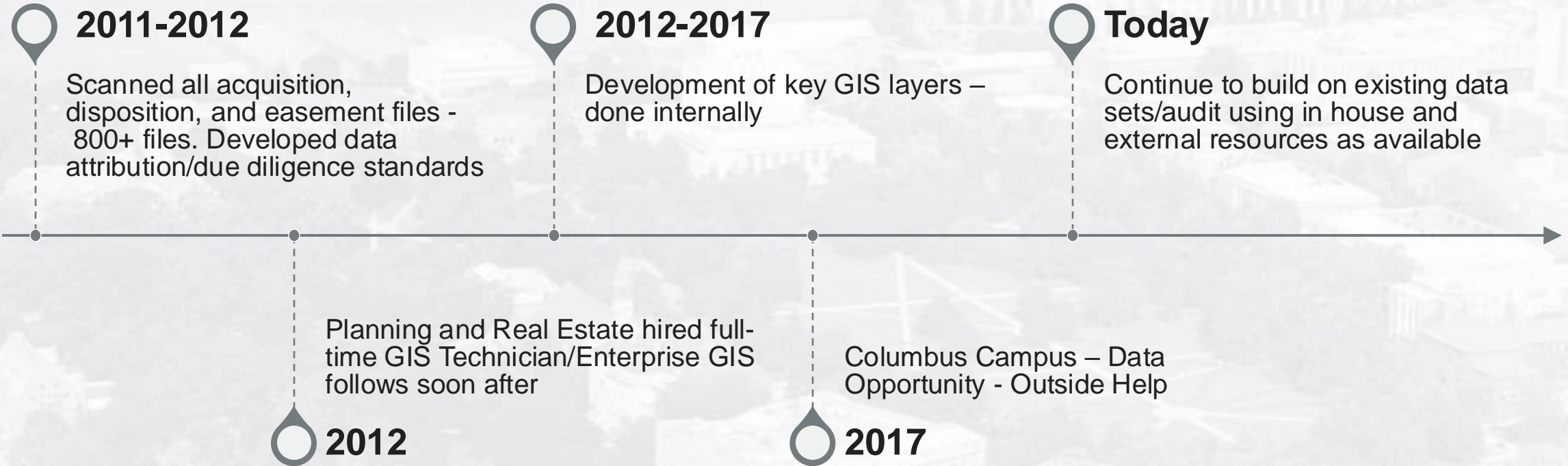
# OSU

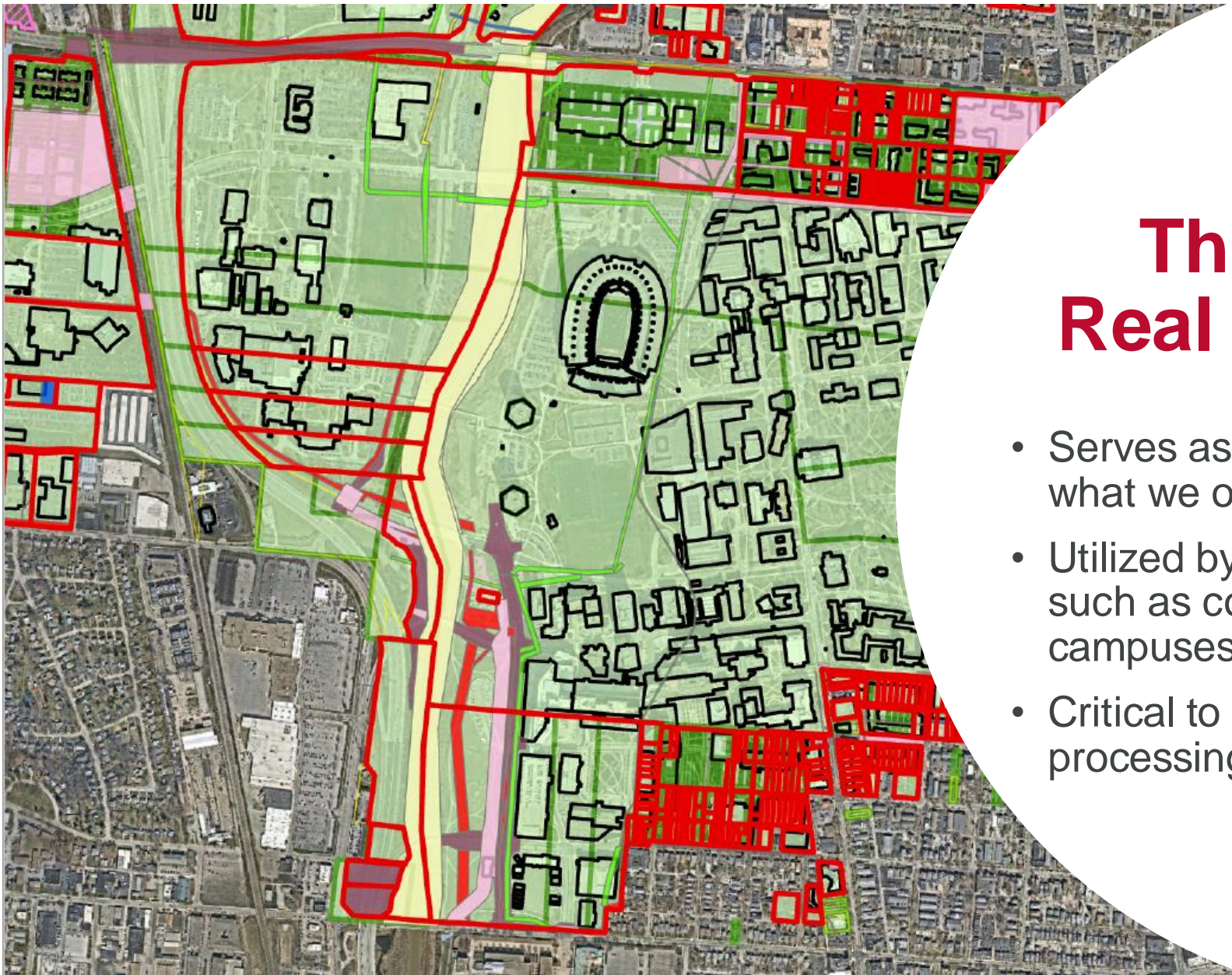


# The Ohio State University Real Estate – Before GIS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	GIS Current Easement Layer	ID	DAS File #	County	Description	Grantor	Grantee	Term Eff Date	Term End Date	Record. Ref.	Type of Easement	Status	PDF File Name	Parcel No.
7		PE-0007	1923	Allen	Lima Regional Campus - Mumaugh Rd / Reservoir Rd	OSU	Buckeye Pipeline	10/1/2010	9/30/2035	201210030013309	Natural gas/petroleum	Active	PE-0007	
8		PE-0008	6512	Allen	Lima Regional Campus - Reservoir and Thayer Roads	OSU	The East Ohio Gas Company d/b/a Dominion East Ohio	12/1/2006	11/30/2021	200702160002152	Natural gas/petroleum	Active	PE-0008	
9		PE-0009	6593	Allen	Lima Regional Campus - Reservoir and Thayer Roads	OSU	United Telephone of Ohio d/b/a Embarq	8/1/2008	7/31/2033	200902170002192	Telecommunications	Active	PE-0009	
10		PE-0012	4809	Clark	SR 41	OSU	Ohio Bell Telephone Company d/b/a AT&T	9/1/2008	8/31/2033		Telecommunications	Active	PE-0012	
11		PE-0013	3200-A	Coshocton	OARDC - SR-621	OSU	Hopco Resources	9/1/2011	8/31/2036	201200002925	Natural gas/petroleum	Active	PE-0013	
12		PE-0014	3993	Coshocton	SR-621	OSU	Ohio Bell Telephone Company dba AT&T	12/1/2010	11/30/2035		Telecommunications	Active	PE-0014	
13		PE-0015	4351	Delaware	WOSU Tower, State Route 3	OSU	Columbus Southern Power	7/7/2004	7/6/2019	201000018748	Electric	Active	PE-0015	
14	Yes	PE-0016	6738	Delaware	6131 Highland Lake Ave, Westerville	OSU	Columbus Southern Power	10/1/2008	9/30/2033	200800032892	Electric	Active	PE-0016	
15		PE-0017	329	Franklin	McCoy Rd btn Kenny Rd and Lyon Dr	OSU	City of Upper Arlington	11/1/2008	10/31/2033	200901220008543	Transportation	Active	PE-0017	
16		PE-0018	331	Franklin	Kinnear Rd & Olentangy River Road (east bank of Olentangy River)	OSU	City of Columbus	10/1/2009	9/30/2034	201102230026317	Sewer-sanitary	Active	PE-0018	v1175,p492; v1231,p116
17		PE-0020	523	Franklin	Near North Star Road	OSU	Columbia Gas	4/15/2006	4/14/2031		Natural gas/petroleum	Active	PE-0020	
18		PE-0021	523-A	Franklin	Tremont Road, Upper Arlington	OSU	Columbia Gas	4/15/2006	4/14/2031		Natural gas/petroleum	Active	PE-0021	
19		PE-0022	605	Franklin	King Avenue	OSU	Columbia Gas	12/1/1998	11/30/2023	200001120008568	Natural gas/petroleum	Active	PE-0022	
20		PE-0023	731	Franklin	Intersection of Kenny & Ackerman Road	OSU	Columbia Gas	6/15/2004	6/14/2019		Natural gas/petroleum	Active	PE-0023	
21		PE-0024	776	Franklin	Woody Hayes/Woodruff from Olentangy River Rd to N High St	OSU	City of Columbus	10/1/2009	9/30/2034	201207190103474	Sewer-storm	Active	PE-0024	
22	Yes	PE-0025	800	Franklin	Near Case Road	OSU	Columbia Gas	4/15/2006	4/14/2031		Natural gas/petroleum	Active	PE-0025	
23	Yes	PE-0026	1002	Franklin	University Airport - Case Road	OSU	Columbus Southern Power	7/7/2004	7/6/2019		Electric	Active	PE-0026	
											Natural			

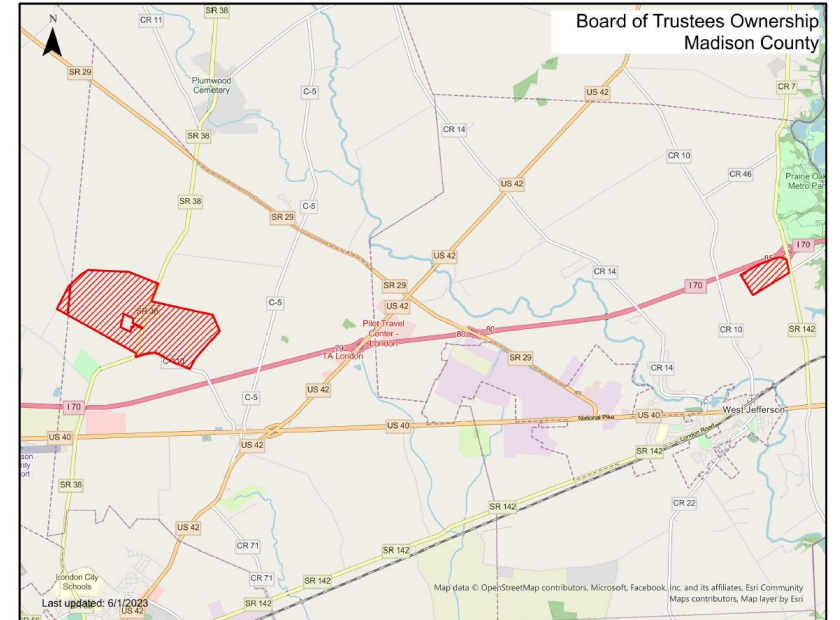
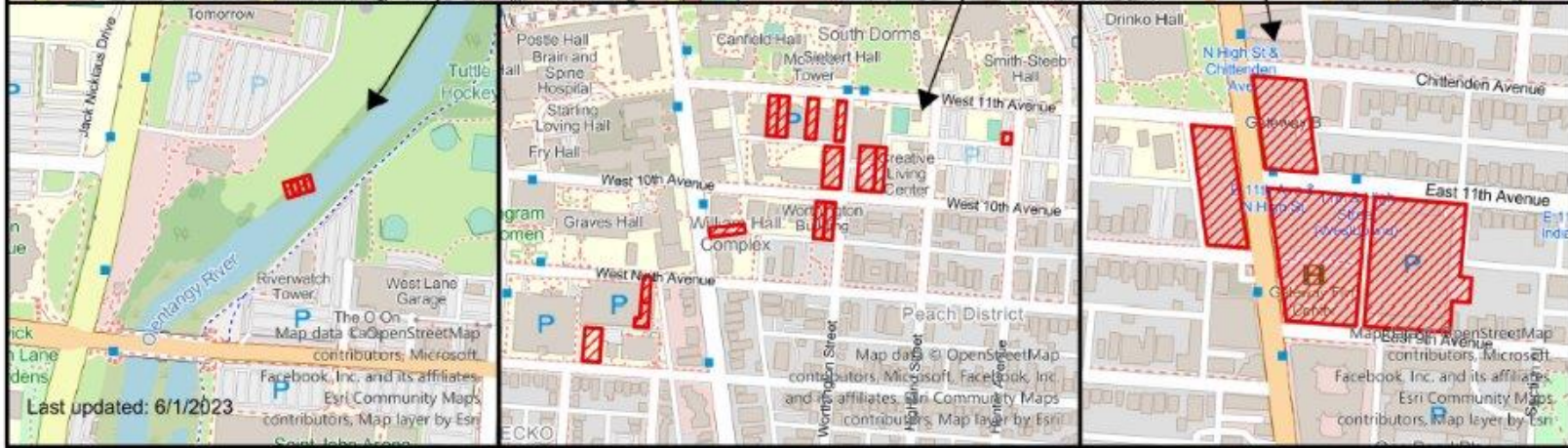
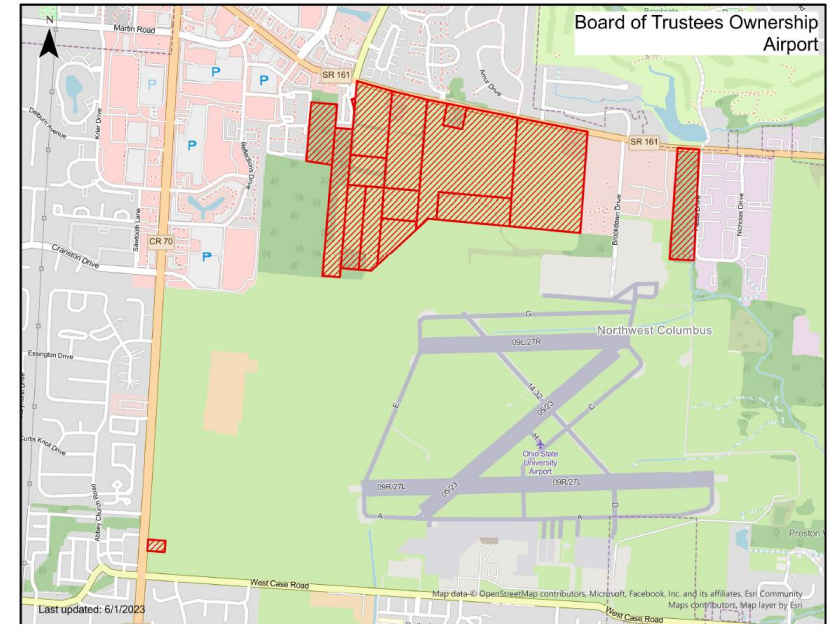
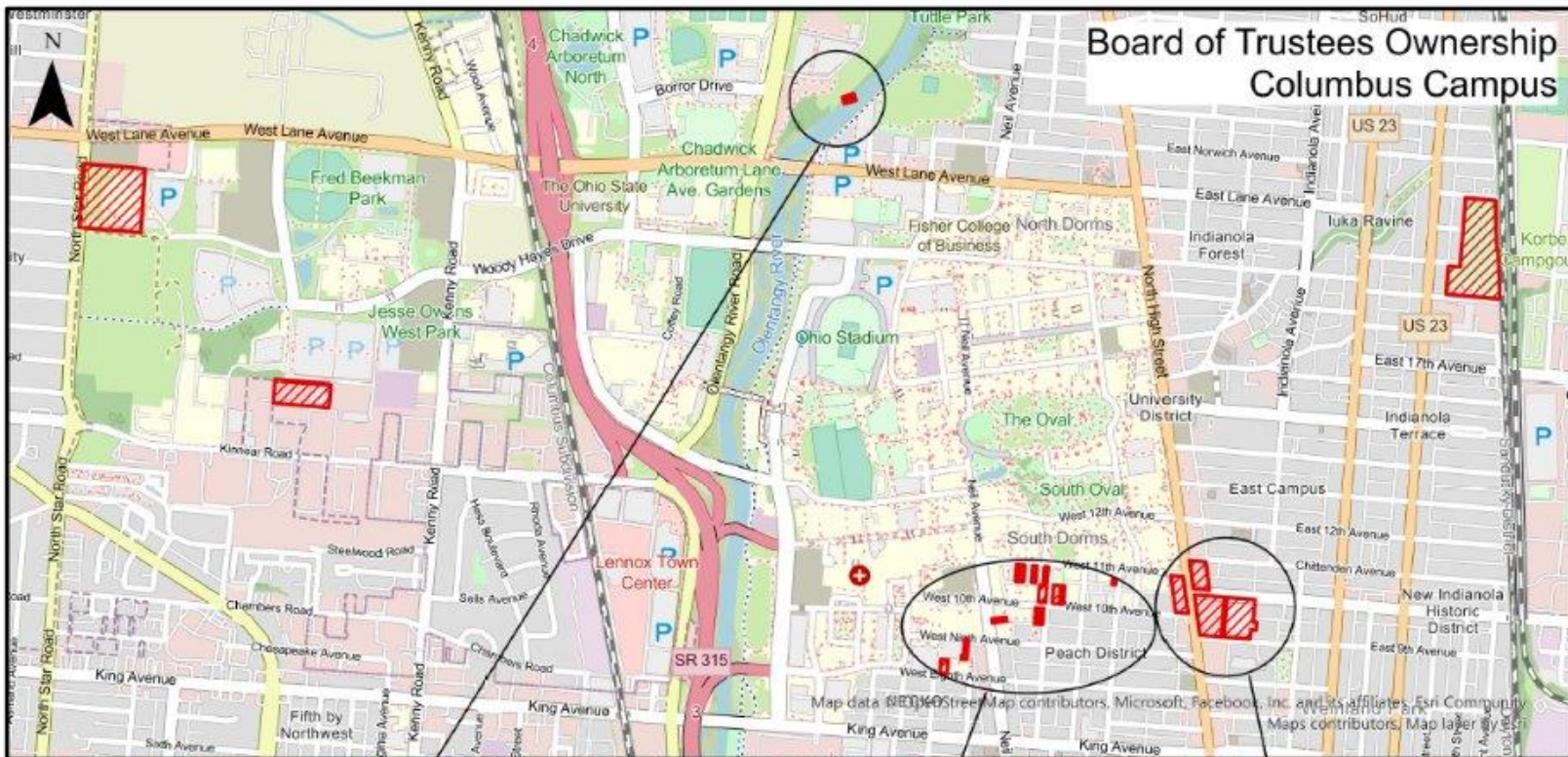
# A Brief History





# The Ohio State U. Real Estate GIS Today

- Serves as the base of university mapping – what we own
- Utilized by other university departments such as construction, IT, regional campuses, traffic/transportation, etc.
- Critical to analysis for real estate project processing and advising on other projects





**HOSPITAL EAST ALLEY ACQUISITION**  
COLUMBUS, FRANKLIN COUNTY, OHIO 43203

Prepared By: The Ohio State University  
Office of Planning, Architecture and Real Estate  
Issue Date: February 22, 2024  
The Ohio State University Board of Trustees





# What is Next?



**Maintenance and auditing existing records**



**Right Of Way ownership layer**



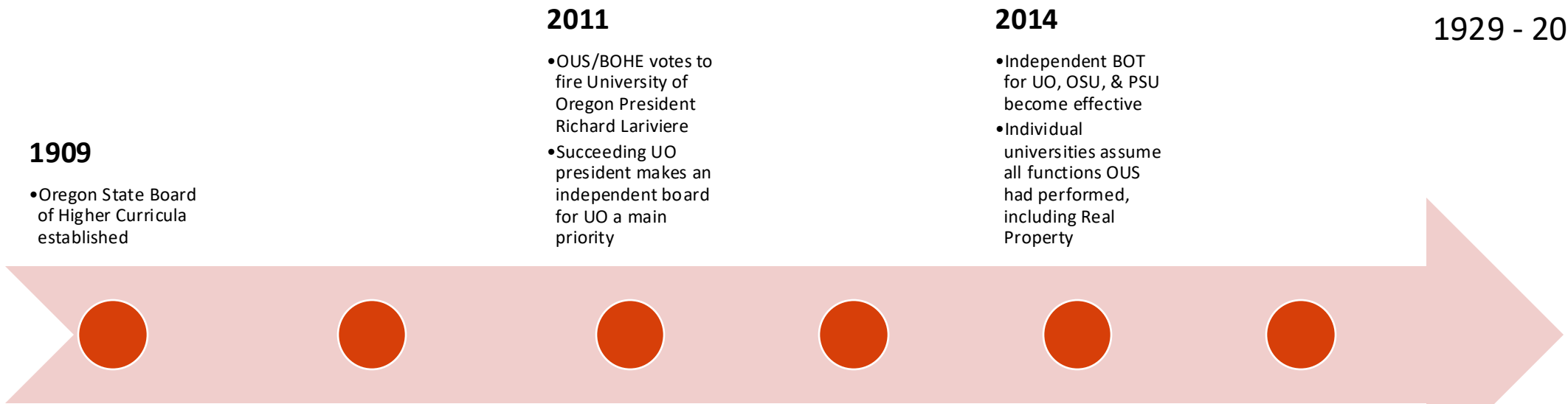
**Ongoing data development projects such as regional campus encumbrances**



# Oregon State before GIS: The Rise & Fall of the Oregon University System



1929 - 2015



**1909**

- Oregon State Board of Higher Curricula established

**2011**

- OUS/BOHE votes to fire University of Oregon President Richard Lariviere
- Succeeding UO president makes an independent board for UO a main priority

**2014**

- Independent BOT for UO, OSU, & PSU become effective
- Individual universities assume all functions OUS had performed, including Real Property

**1929**

- Renamed "Oregon State Board of Higher Education"
- All public 4-year colleges and universities united under BOHE, individual boards of regents abolished
- BOHE assumes all real property functions for member institutions

**2013**

- SB 270 establishes independent boards for UO, OSU, and PSU



**2015**

- Remaining regional universities opt for independent boards
- Effective July 1, 2015 – legal "death" of the OUS



**Oregon State University**

# Real Property under OUS

85 years of not directly managing our own university owned land!

“Land Card” System (1929 – 2000)

Access Database (2000-2014)

**LAND RECORD** *off campus*

Oregon State College Name changed to Lewis-Brown Horticultural Station (Board minutes 4/25/50) 87  
Institution Tract Number

109.070 November 15, 1940 Purchase Lloyd L. Millhollen Linn County, Oregon  
Acres Date Acquired How Acquired From Whom Acquired Location

Legal Description: Beginning at a 1" x 30" truck axle on the N. line of and westerly 18.560 chains from the N. E. Corner of the James Robinett D. L. C. 52 in S. 12 S., R. 4 W. of the Mill. Mer. in Linn County, Oregon; and running thence S. 89° 46' W. along the North line of said D. L. C. 52 a distance of 13.204 chs. to a granite stone as noted on page 171 of Vol. 102 of Linn County Deed Records; thence S. 45° 13' 1" W. (in old deeds recorded as S. 45° 30' W.) 31.487 chs. to the Northerly right of way line of Linn County Market Road No. 2, thence S. 45° 20' E. along said Northerly right of way line 43.617 chains to a 1" x 30" car axle, thence N. 42° 23' E. 7.118 chains to a 2" iron pipe, thence N. 0° 19' W. 47.636 chains to the place of beginning, and containing 115.07 acres.\*

*115.07  
Acres  
Total*

5,012,429 on pt = 115.07 acres *115.07*

Physical Description:  
 Tillable farm land located about 6 miles S. E. of Corvallis on the Corvallis-Pecoris road.  
 Located on the land are the following buildings:  
 Residence, 27x30, 1½ story, frame, plastered Seed House (Building valued at \$2,050 & included in Original Cost Record Figures.)  
 Barn

Restrictions and Special Remarks: Five (5) acres deeded to school district in return for 5.78 acres on eastern side of farm. See land card #328.  
 NOTE: This parcel of land is located in a floodplain and is subject to the regulations regarding the building of structures in a floodplain as outlined in the National Flood Insurance Program.  
 Building card 136  
 Lease agreement - see other side

ORIGINAL COST RECORD			SECRETARY OF STATE			RECORDING OF DEED		
Date	Amount	Remarks	Document	Date	File Number	Book	Page	Date
	7247-S R 7258	140-41	10,931.65	Deed	Nov. 6, 1940	4142		9/30/40
	7259-S	140-41	1.00	Title Abstract	Nov. 6, 1940	4142		
				Supp. Abstract	Nov. 6, 1940			
				Attorney General's	Nov. 6, 1940			
				Opinion	Nov. 6, 1940			
Total								

TAX LOT # 2100  
Section 6  
Lewis Brown

LandRec

**Oregon University System Land Records**

Institution: Oregon State University Land Record Number: 0011

Acquired From: Buchanan, J.E. and Kate Division of State Lands File No.: 5432 (missing from file)

Location: Off-Campus Title Insurance Policy No.:

Date Acquired: 06/23/1911 Map and Tax Lot No.:

Square Feet: Acreage: 49.990

Description: Buchanan, J.E. and Kate - South Farm (FF) Owned  Not Owned  Leased

Building Number: Easement  By Permit  Other

Contains Deed Restrictions

Lease Start:

Lease End:

Land Use

Proration N. Land Use Acres Fund Source Perce

Agricultural Research 49.990 01

Record: 1 of 1

ORIGINAL COST DATE

Reet: Number: Purpose Account/Fund No. Amount

Book: 54 Page: 558

Date: 06/23/1911 State: Oregon Purchase [GR (value of land)] \$28,700.00

County: Benton Board Min Date: Closing Appraisals \$75.00

Legal Description: All that part of the James A. Bennett Donation Land Claim # being Claim No. 45 in Township 12 South, Range 5 West of the Willamette Meridian bounded and described as follows: Beginning at the North West Corner of said Donation Land Claim, thence South with the West line of said Claim, 10.02 chains (891.32 ft) to a point marked by a section of gas pipe 1 inch by 43 inches for a place of beginning; thence South along the said West boundary line 28.803 chains (1901 ft) to a point marked by a section of gas pipe 1 inch by 40 inches, thence East 39.50 chains (2607 ft) to a point due South of the

Easements: Five easements were granted to the City of Corvallis in 1971 to provide lateral sewers to the sanitary sewer that has been approved to cross the South Farm property of OSU. Two easements were granted to the City of Corvallis for sewer facilities, dated 07/26/1971.

Date	Remarks	Addition	Deduction	Capitalized Value
06/30/1941	Land Value			\$28,775.00
01/10/1957	50 acres sold to Corvallis School District No. 509		\$12,478.00	\$16,297.00
05/26/1959	Sold to State Highway Commission *		\$12,360.00	\$3,937.00

Notes: \* A small parcel was deeded to the City of Corvallis in 1974, value of \$360.00.

Buildings

Big No.	NAME	Purchase Date	Gross Area	Cap. Value	Apt. Value
401	SF RESIDENCE	1910	1,980	\$3,000	\$94,035

Record: 1 of 18

Save Record Add Record Delete Record Find Record Reports Buildings

Record: 1 of 122 Filtered Search

# So what happened in 2014?

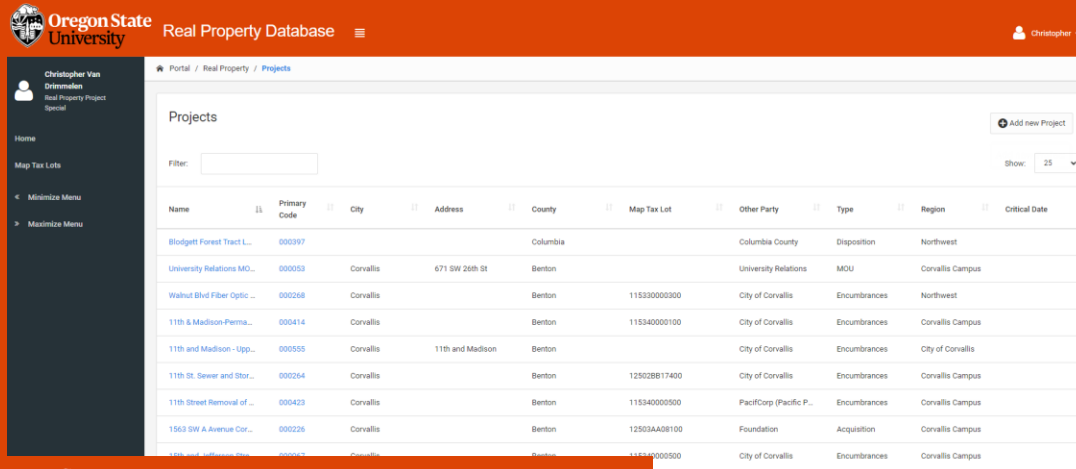


Go figure it out!

- ~25 boxes of paper records arrive from OUS (mostly incomplete)
  - Lease records, current and past
  - Acquisition & disposition files
  - Easements
- Access Database not provided to OSU Real Property unit
- Final “Land Card” report PDF

# And then everything caught on fire...

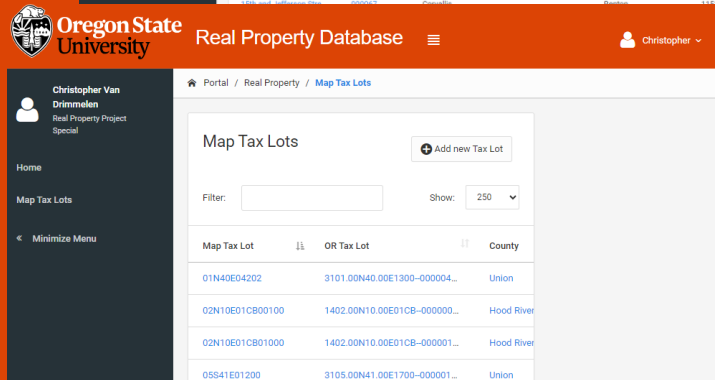
## “Regular” Database



Portal / Real Property / Projects

Filter:  Show: 25

Name	Primary Code	City	Address	County	Map Tax Lot	Other Party	Type	Region	Critical Date
Blodgett Forest Tract L...	000397			Columbia		Columbia County	Disposition	Northwest	
University Relations MO...	000053	Corvallis	671 SW 26th St	Benton		University Relations	MOU	Corvallis Campus	
Walnut Blvd Fiber Optic ...	000268	Corvallis		Benton	115330000300	City of Corvallis	Encumbrances	Northwest	
11th & Madison-Perma...	000414	Corvallis		Benton	115340000100	City of Corvallis	Encumbrances	Corvallis Campus	
11th and Madison - Upp...	000555	Corvallis	11th and Madison	Benton		City of Corvallis	Encumbrances	City of Corvallis	
11th St. Sewer and Stor...	000264	Corvallis		Benton	125028817400	City of Corvallis	Encumbrances	Corvallis Campus	
11th Street Removal of ...	000423	Corvallis		Benton	115340000500	PacificCorp (Pacific P...	Acquisition	Corvallis Campus	
1563 SW A Avenue Cor...	000226	Corvallis		Benton	12503AA08100	Foundation	Acquisition	Corvallis Campus	
11th St. Sewer and Stor...	000264	Corvallis		Benton	115330000500	City of Corvallis	Encumbrances	Corvallis Campus	



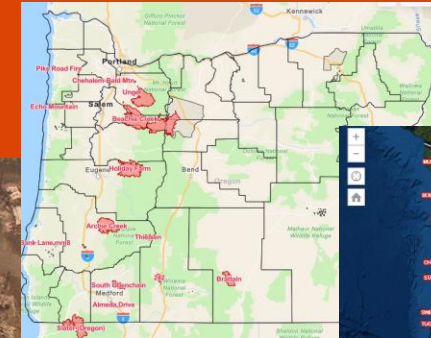
Portal / Real Property / Map Tax Lots

Filter:  Show: 250

Map Tax Lot	OR Tax Lot	County
01N40E04202	3101.00N40.00E1300-000004...	Union
02N10E01CB00100	1402.00N10.00E01CB-000000...	Hood River
02N10E01CB01000	1402.00N10.00E01CB-000001...	Hood River
05S41E01200	3105.00N41.00E1700-000001...	Union

## 2020 Wildfire Season

- Most destructive in Oregon’s history



- University leaders want to know, “what of ours is in danger out there?”

# Birth of the RP Map Project (2023)

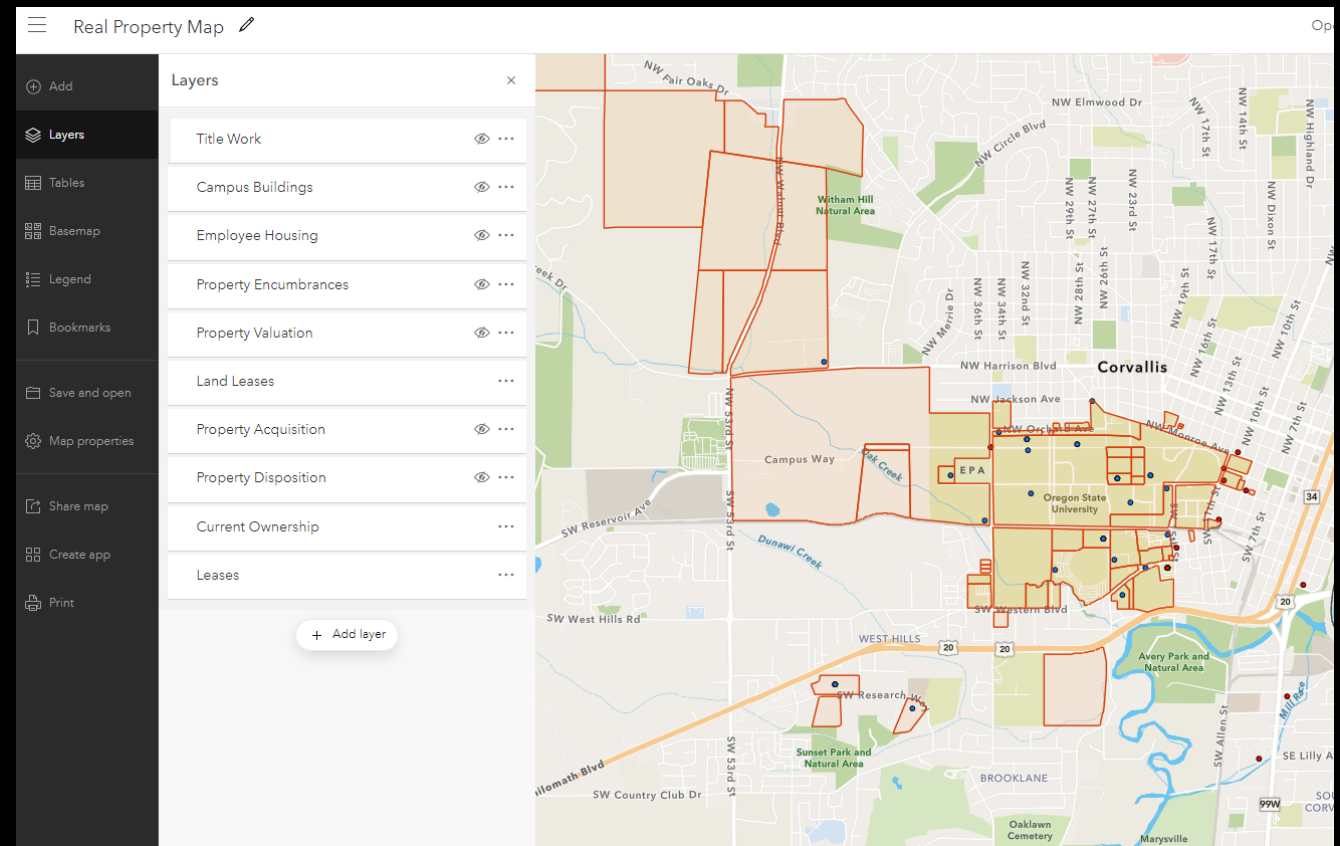
## We need Geodata!

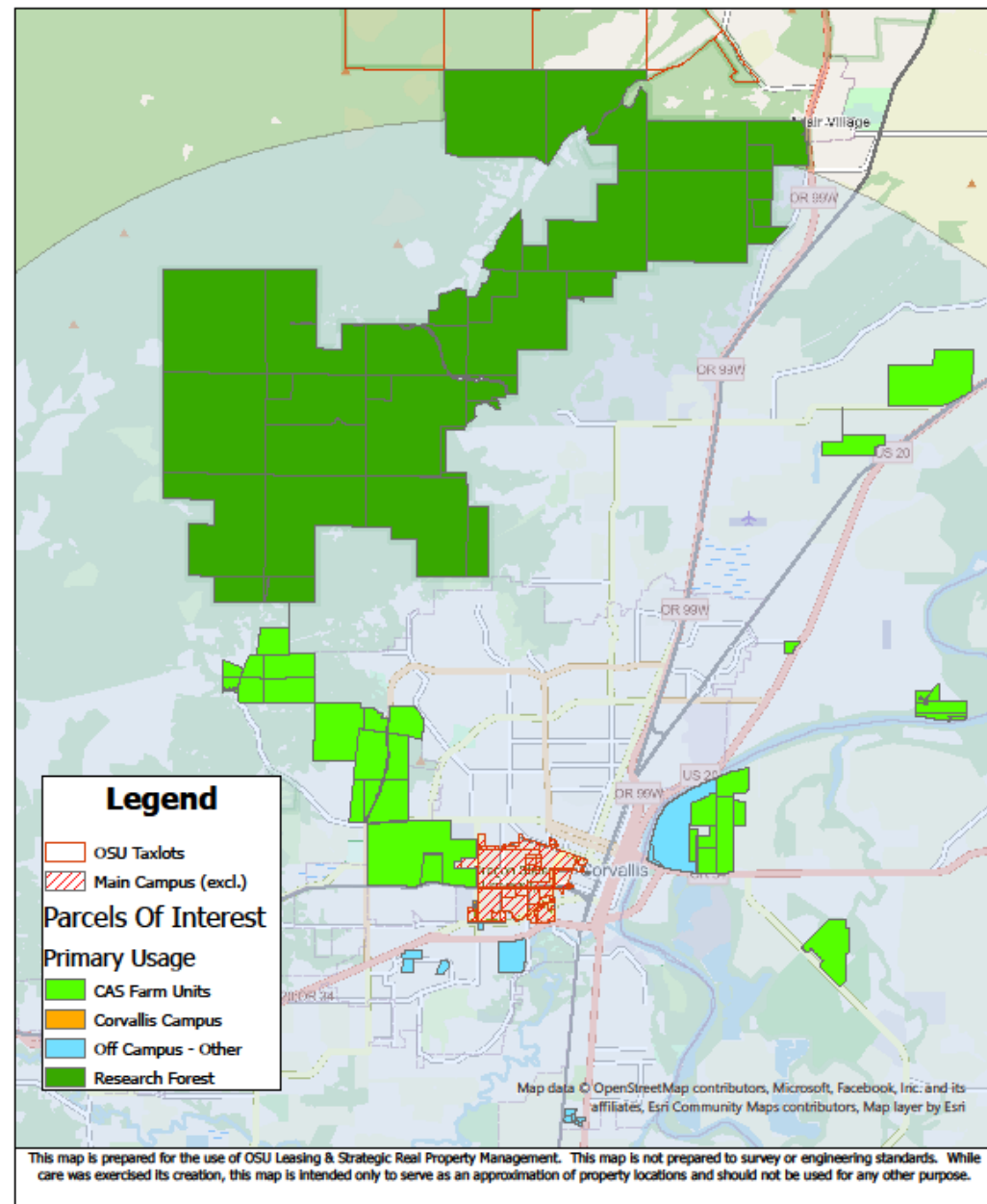
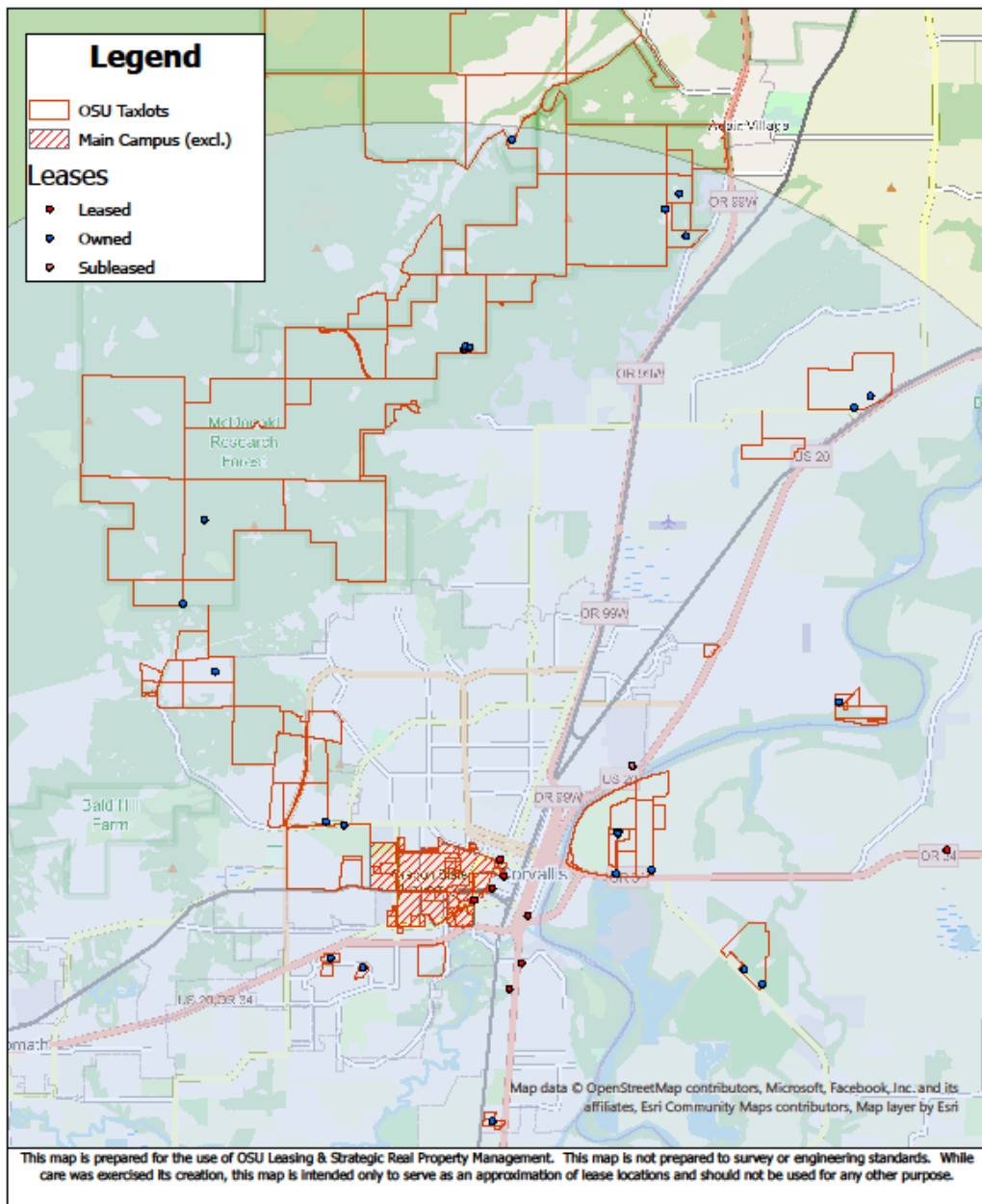
Digitized paper records in a shared drive is not enough

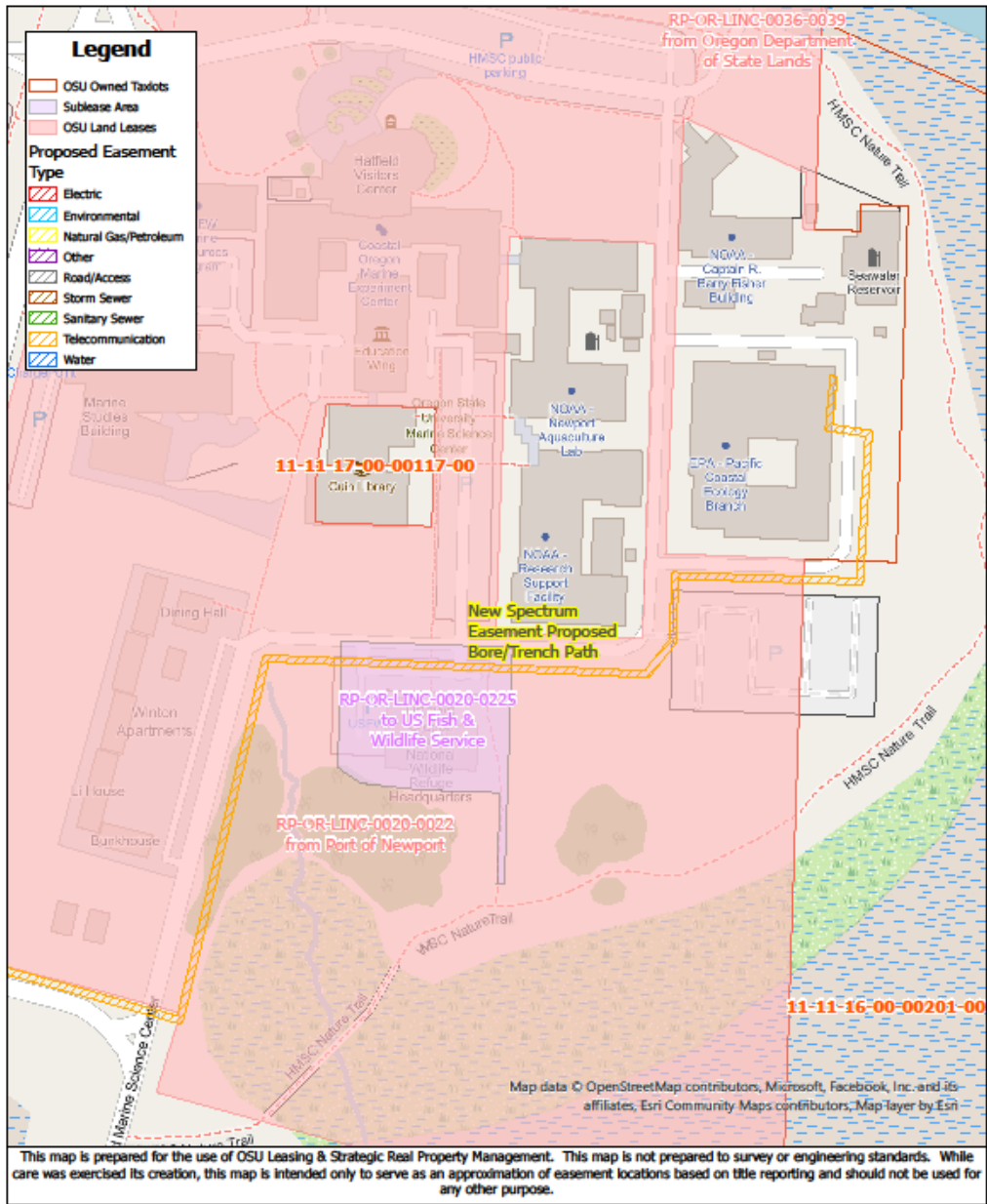
Attempts to create a GIS enabled database in collaboration with other units

Shift from transactional to stewardship model

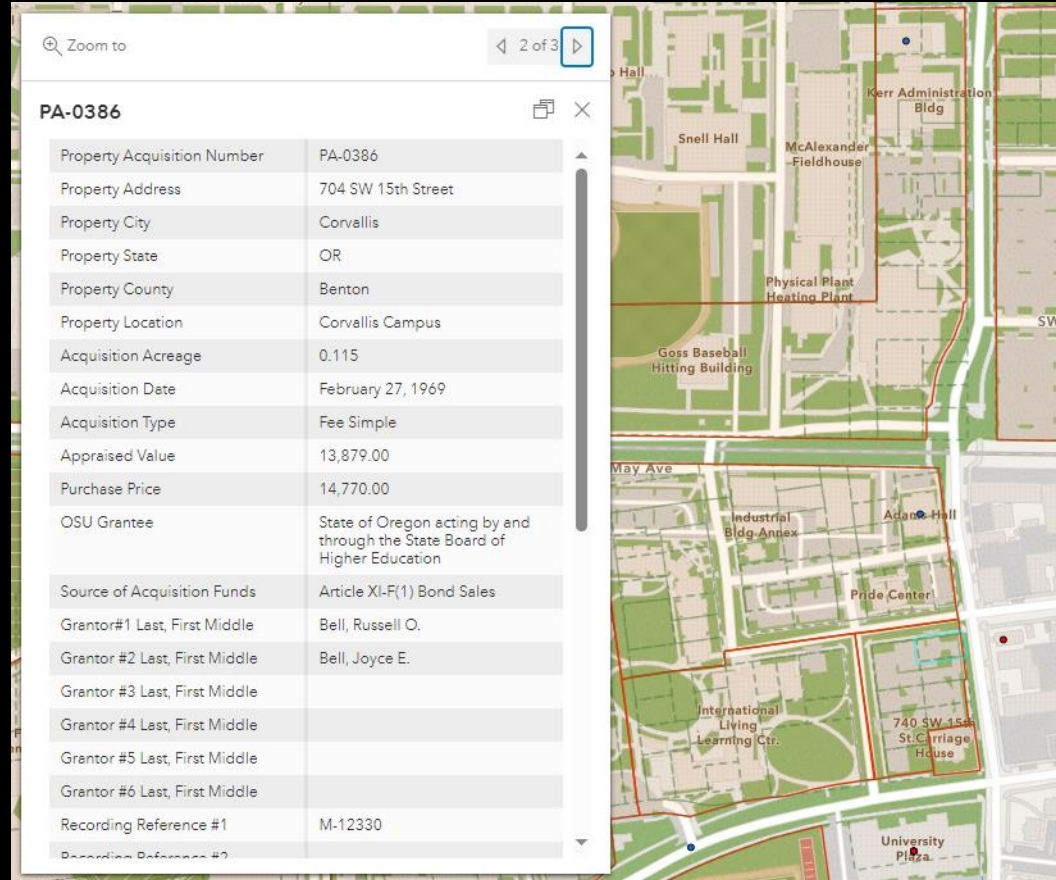
Real Property needed to be the ones who own and manage this dataset







# Oregon State Univ. RP Map Today



Zoom to 2 of 3

**PA-0386**

Property Acquisition Number	PA-0386
Property Address	704 SW 15th Street
Property City	Corvallis
Property State	OR
Property County	Benton
Property Location	Corvallis Campus
Acquisition Acreage	0.115
Acquisition Date	February 27, 1969
Acquisition Type	Fee Simple
Appraised Value	13,879.00
Purchase Price	14,770.00
OSU Grantee	State of Oregon acting by and through the State Board of Higher Education
Source of Acquisition Funds	Article XI-F(1) Bond Sales
Grantor #1 Last, First Middle	Bell, Russell O.
Grantor #2 Last, First Middle	Bell, Joyce E.
Grantor #3 Last, First Middle	
Grantor #4 Last, First Middle	
Grantor #5 Last, First Middle	
Grantor #6 Last, First Middle	
Recording Reference #1	M-12330
Recording Reference #2	

Map labels: Snell Hall, Kerr Administration Bldg, McAlexander Fieldhouse, Physical Plant Heating Plant, Goss Baseball Hitting Building, Industrial Bldg Annex, Adams Hall, Pride Center, International Living Learning Ctr., 740 SW 15th St. Carriage House, University Plaza.

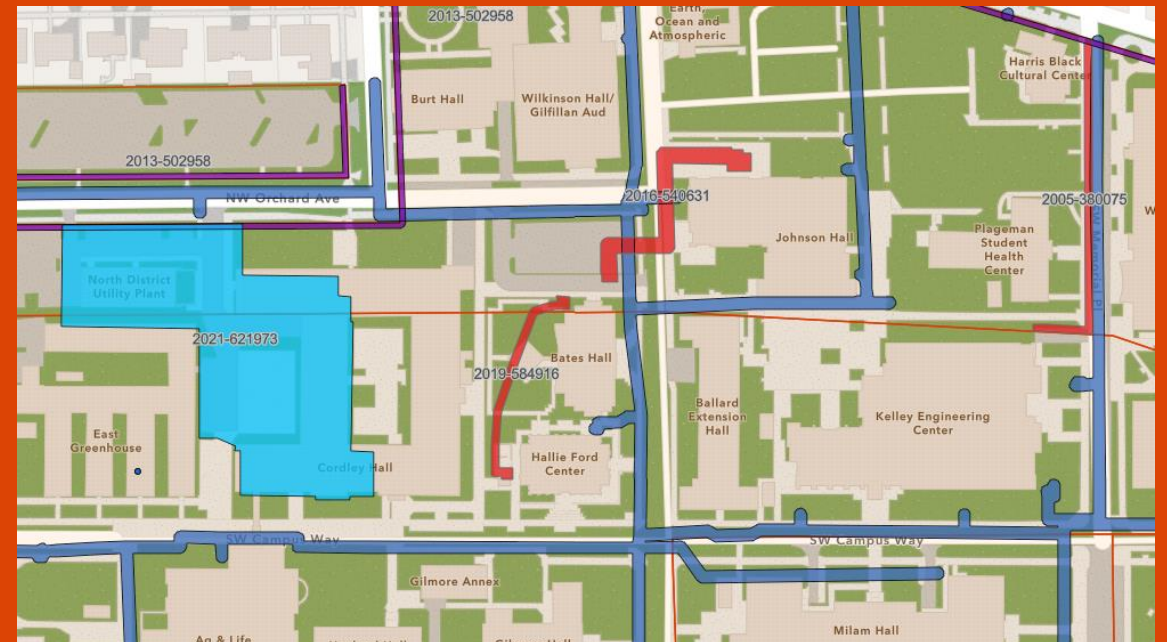
## Completed

- Current Ownership
- Property Acquisition
  - 98.7% of acquisitions have copies of vesting documents attached
- Property Disposition
- Regular Lease import from Visual Lease

# Coming Soon

## In Progress

- Map as many encumbrances as we have data for
- Title work
  - Goal of 100% of main campus and work outward
  - Construction projects fund title work as they occur
    - Construction projects funded 90% of Cascades title work



# Tips, Tricks, & Lessons Learned

- Advanced planning for scanning and data attribution
- Standardize due diligence to ensure new incoming data is easily applied to GIS
- Find Good Scanning Help – Scope carefully and audit deliverables
- Utilize free and available data where possible
- Get the Word Out – Decide what data will be shared and how and let people know it's out there
- Strategize Data Priorities – Be ready to advance when resources become available



# Lessons Learned Continued

- Pick a place to start
- “Data scraping” can get you bulk data to refine
- You need people with RP expertise working on this
- Develop relationships with county Clerk/Records offices
- Identify funding sources for title work – be creative!
  - Relationship with a title company is also helpful

# Questions?

## Ohio State PARE Map

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- Cindy Kennedy [kennedy.463@osu.edu](mailto:kennedy.463@osu.edu)

## Oregon State RP Map

- Chris Van Drimmelen  
[christopher.vandrimmelen@oregonstate.edu](mailto:christopher.vandrimmelen@oregonstate.edu)

