

ON TO 2050

Lands in Transition

Strategy Paper Update
April 14, 2016

Agenda

- Quick recap
- Preliminary data on land transition
- Next steps



Quick recap

Purpose

- Evaluate where and how development and preservation efforts have occurred.
- Identify effective strategies for preserving these areas.
- Outline guidance on where and how development on these lands can reduce negative impacts and support community livability.



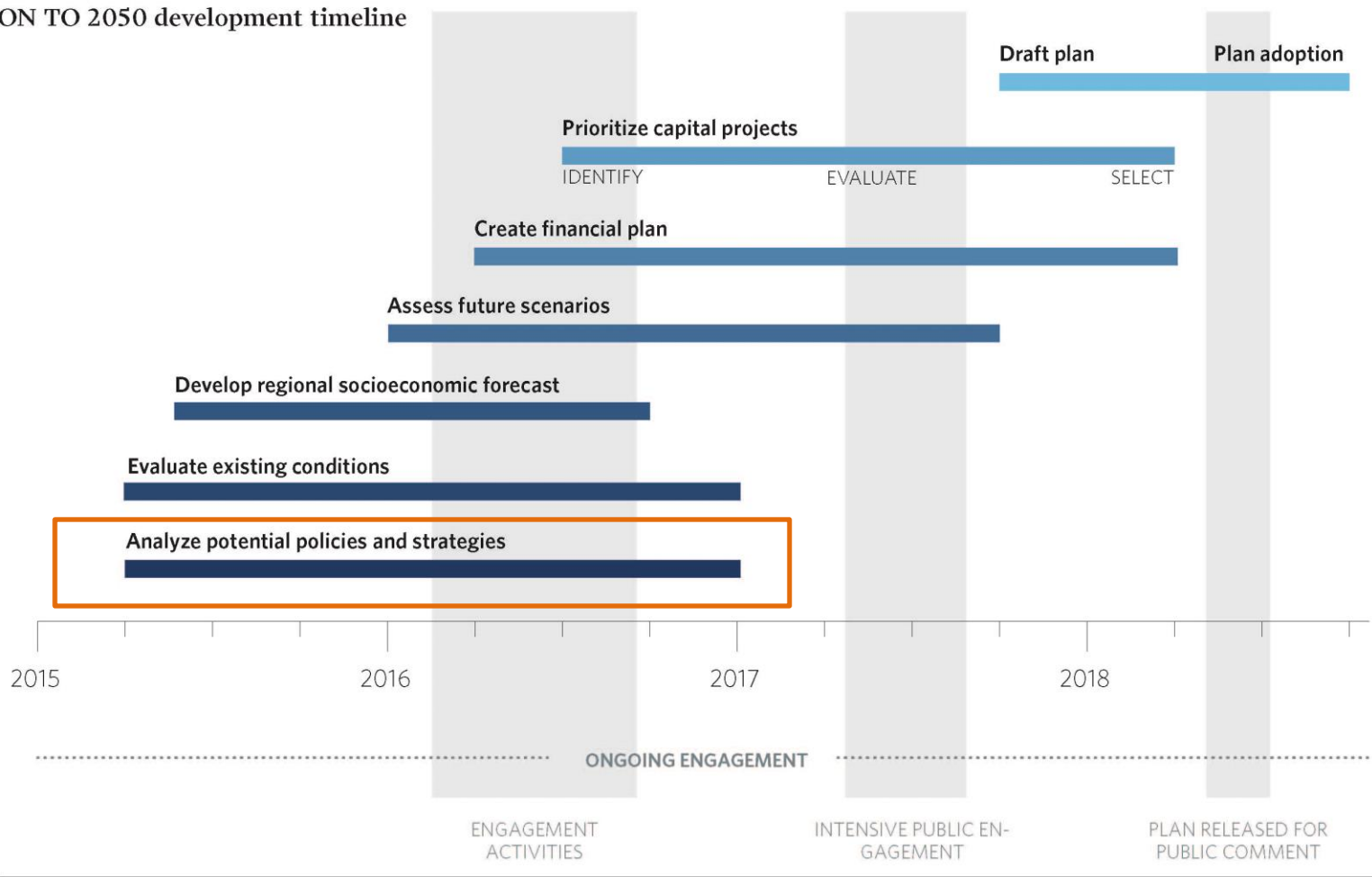
Resource group

Name	Organization
Lenore Beyer-Clow	Openlands
Ed Collins	McHenry County Conservation District
Lisa Haderlein	The Land Conservancy of McHenry County
Janice Hill	Kane County Development and Community Services Department
Sarah Knobloch	Kinship Foundation
Brad Leibov	Liberty Prairie Foundation
Dan Lobbes	The Conservation Foundation
Charlie Nordman	Village of Huntley
Mike Schwarz	Village of Homer Glen
Todd Vanadilok	APA - Chicago Metro Section / Teska Associates
Mark Vankerkhoff	Kane County Development and Community Services Department



Timeline

ON TO 2050 development timeline



Scope

Understanding change

- Investigate which lands in the region have been developed or preserved and what type of transformation has occurred.
- Conduct case studies of the predominant types of change.

Understanding policy landscape

- Review of large scale pressures on land conversion
- Review existing local, county, state, and national policies, programs, and framing.

Costs and benefits

- Narrative format - not a cost benefit analysis



Understanding Change: Preliminary data on land transition



What do we mean by “transition”?

Lands with agricultural or natural land cover that were either protected or developed between 2001 and 2011.

Using the National Land Cover Dataset.



Agricultural Lands

Lands identified as having agricultural land cover (pasture/hay or cultivated).

Row crops, field crops, pasture, livestock – including both commodity crops and local food farms.

Natural Lands

Lands identified as having natural land cover (forest, shrub land, herbaceous, wetland).

High and low quality natural lands.

Developed

lands identified as being developed (with impervious surfaces)

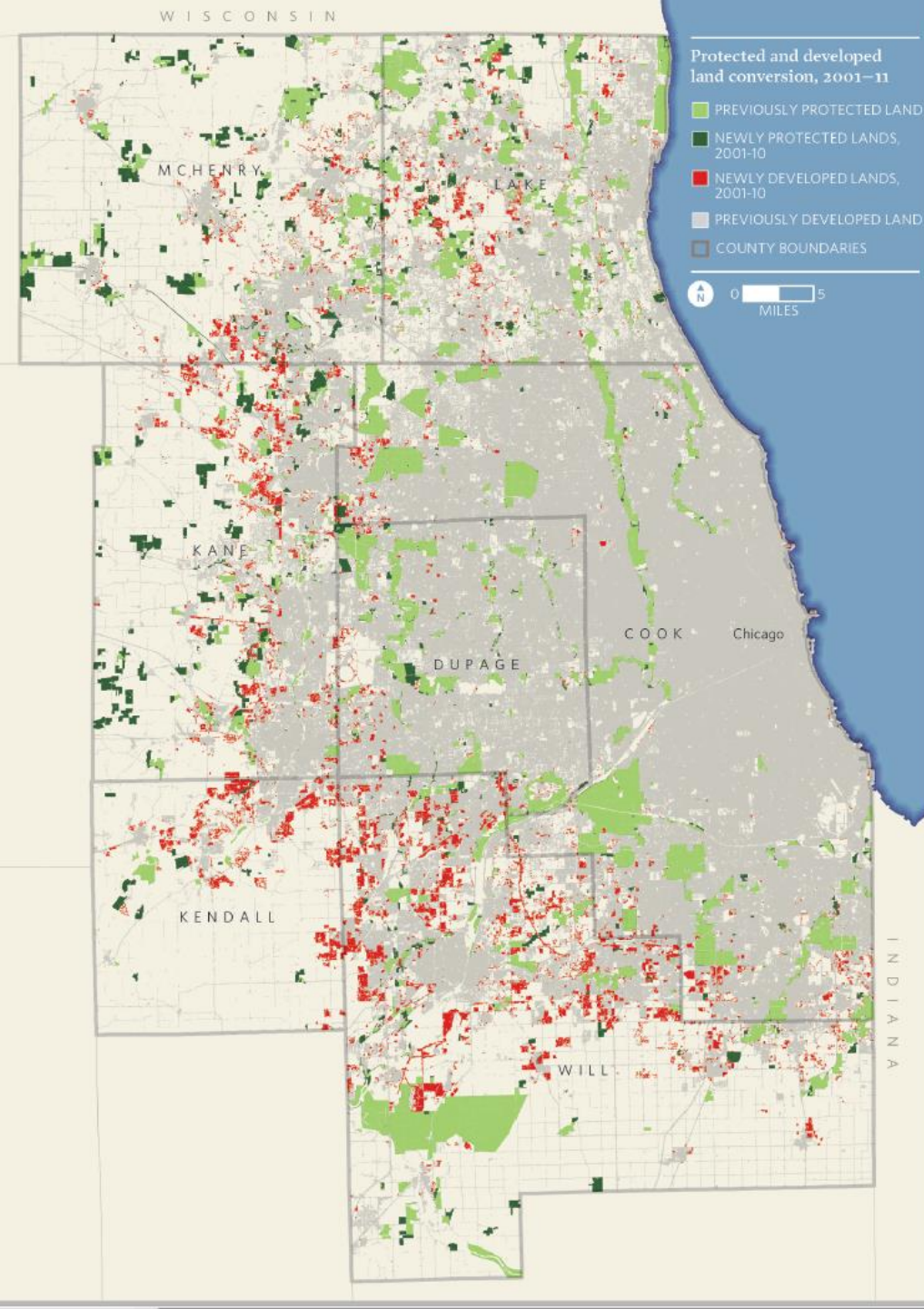
Protected

lands that have been permanently protected through ownership or conservation easements

CMAA Land Use Inventory, State and Federal open space, County Forest Preserves, National Conservation Easement Database

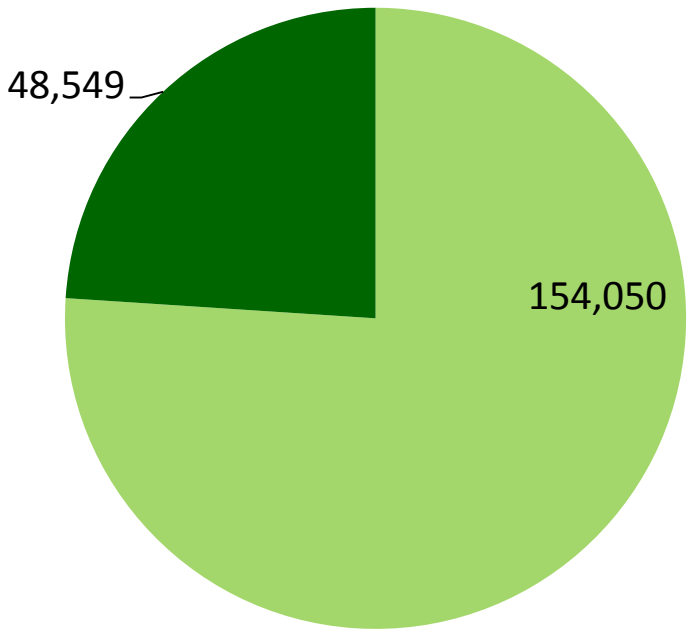
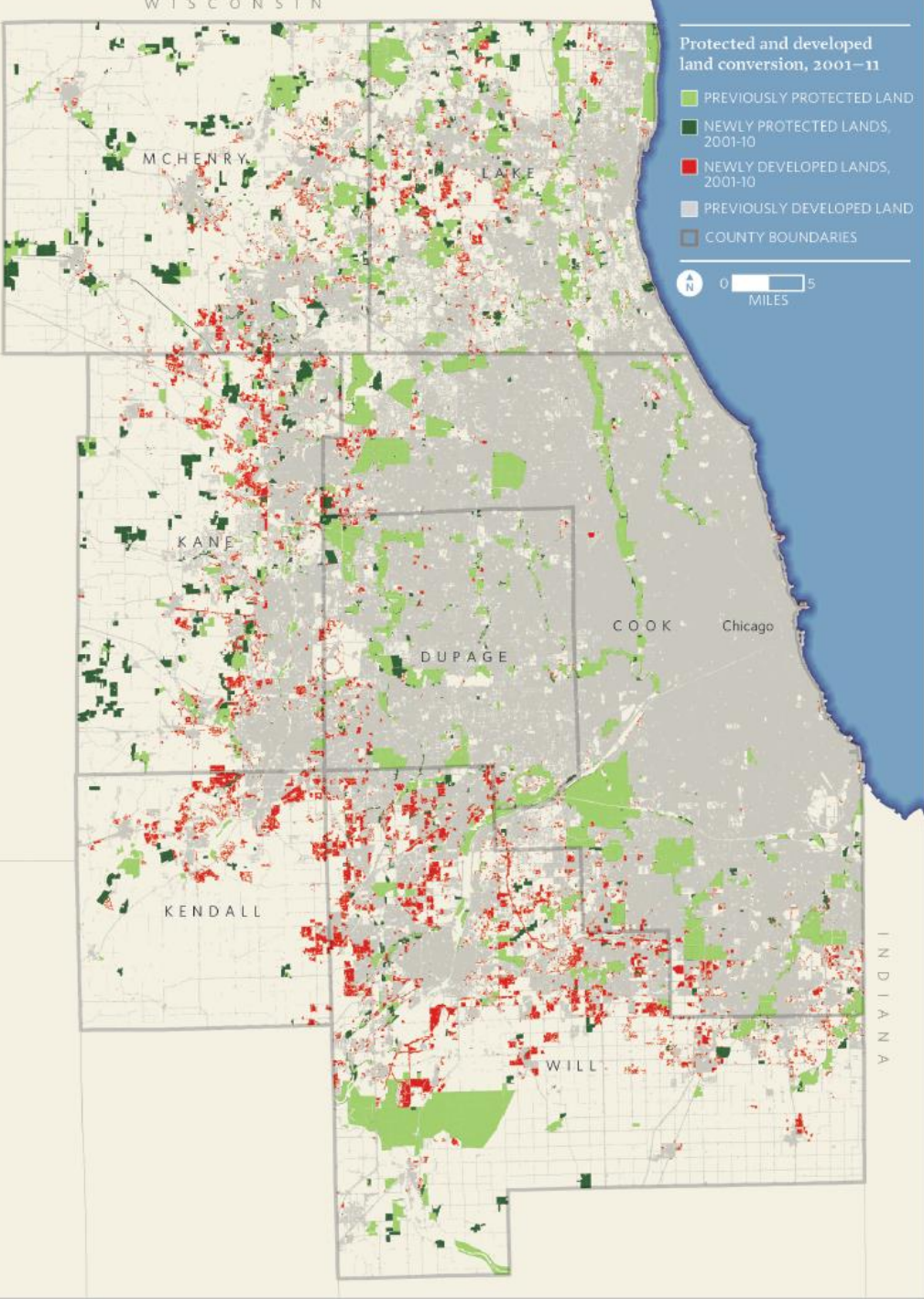


Protected and developed land transition, 2001 - 11



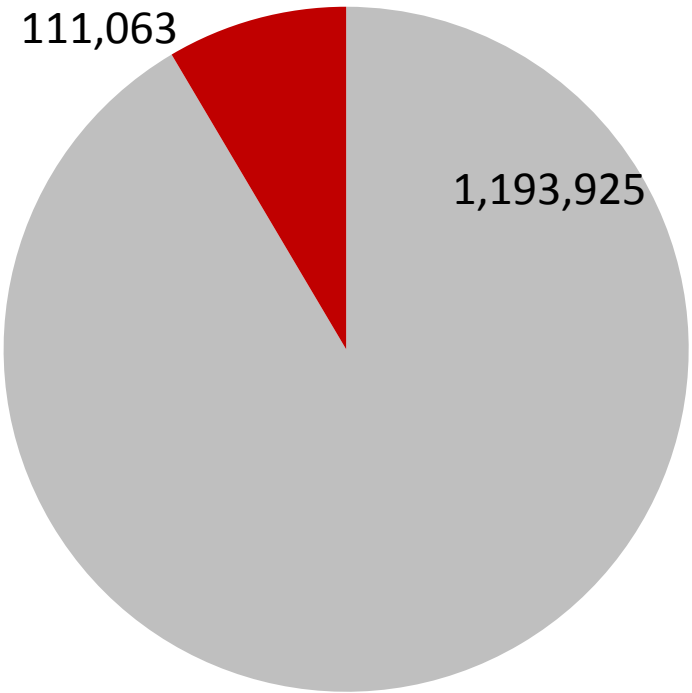
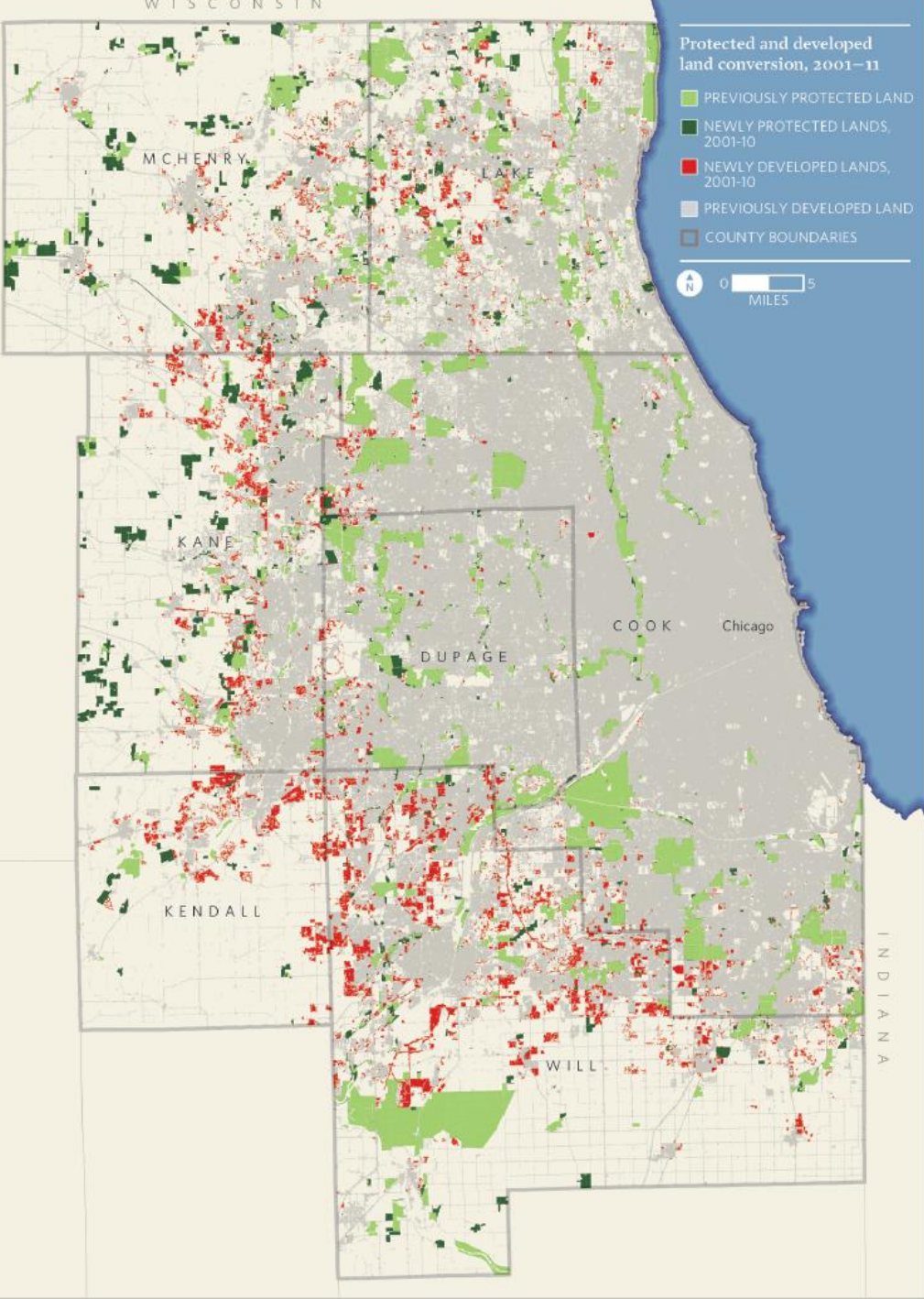
- PREVIOUSLY PROTECTED LAND
- NEWLY PROTECTED LANDS, 2001-10
- NEWLY DEVELOPED LANDS, 2001-10
- PREVIOUSLY DEVELOPED LAND
- COUNTY BOUNDARIES

Existing and newly protected lands, 2011



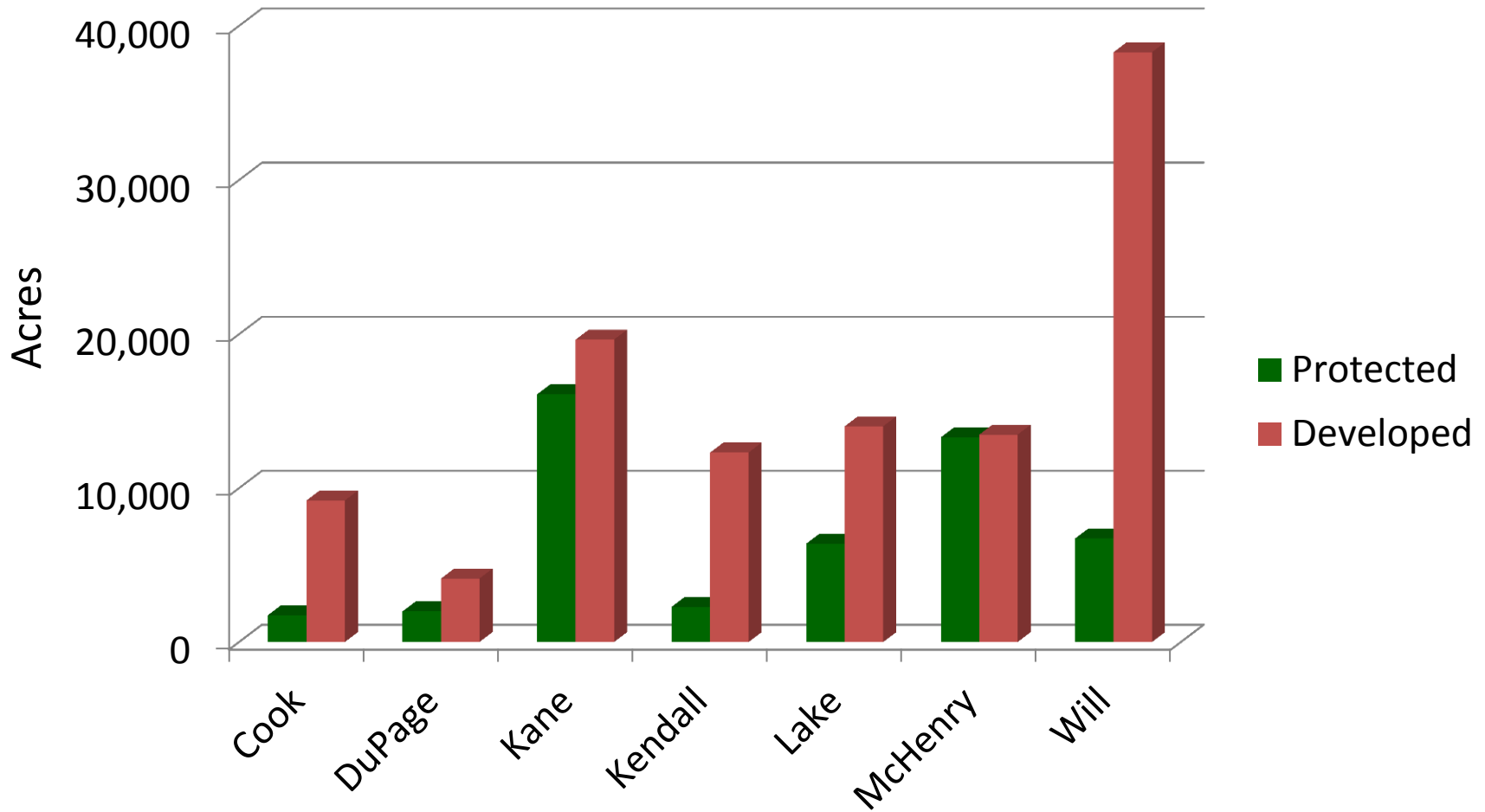
- Existing protection, 2001
- New protection, 2001-2011

Existing and newly developed lands, 2011

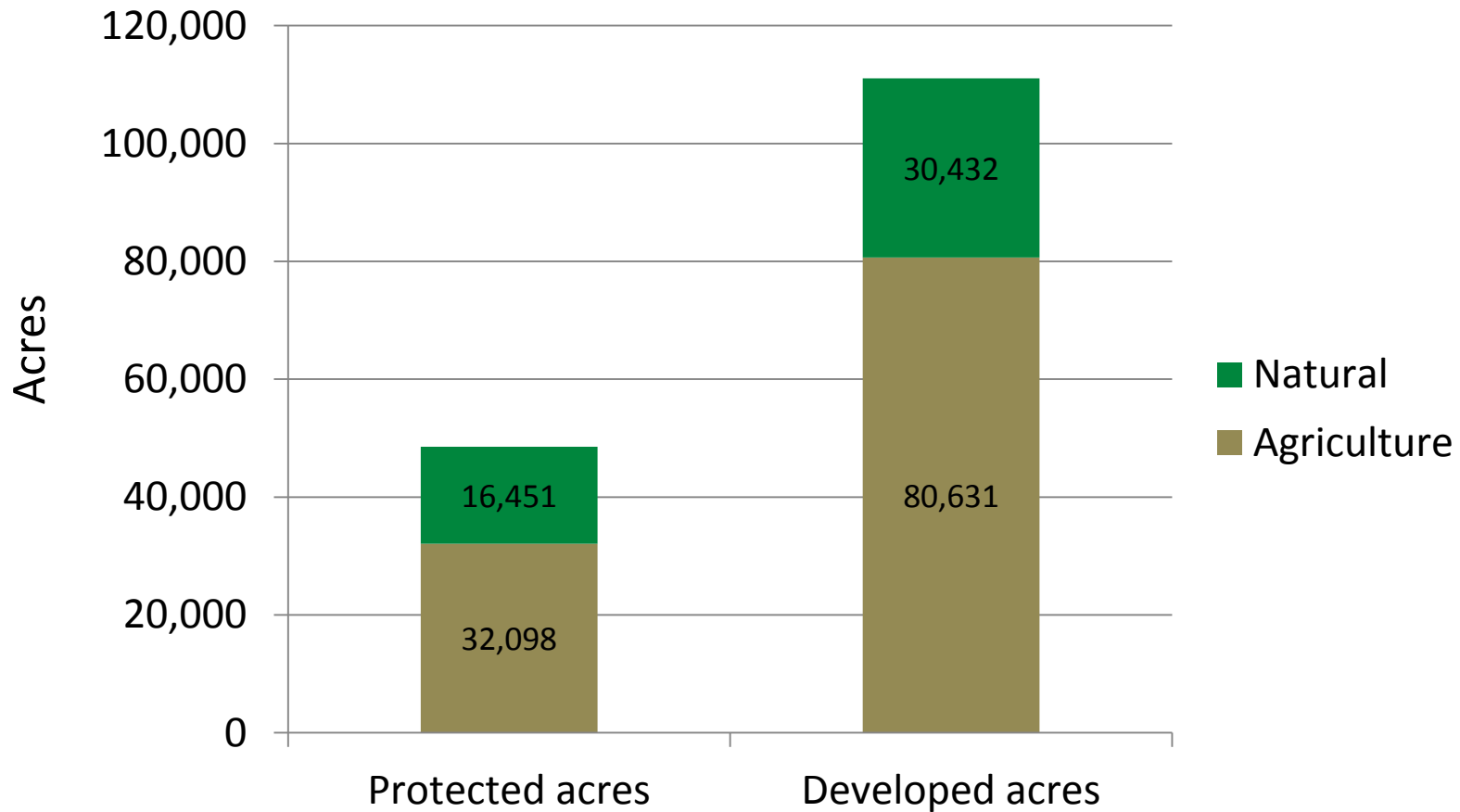


- Existing development, 2001
- New development, 2001-2011

Protected and developed land by county, 2001 - 11



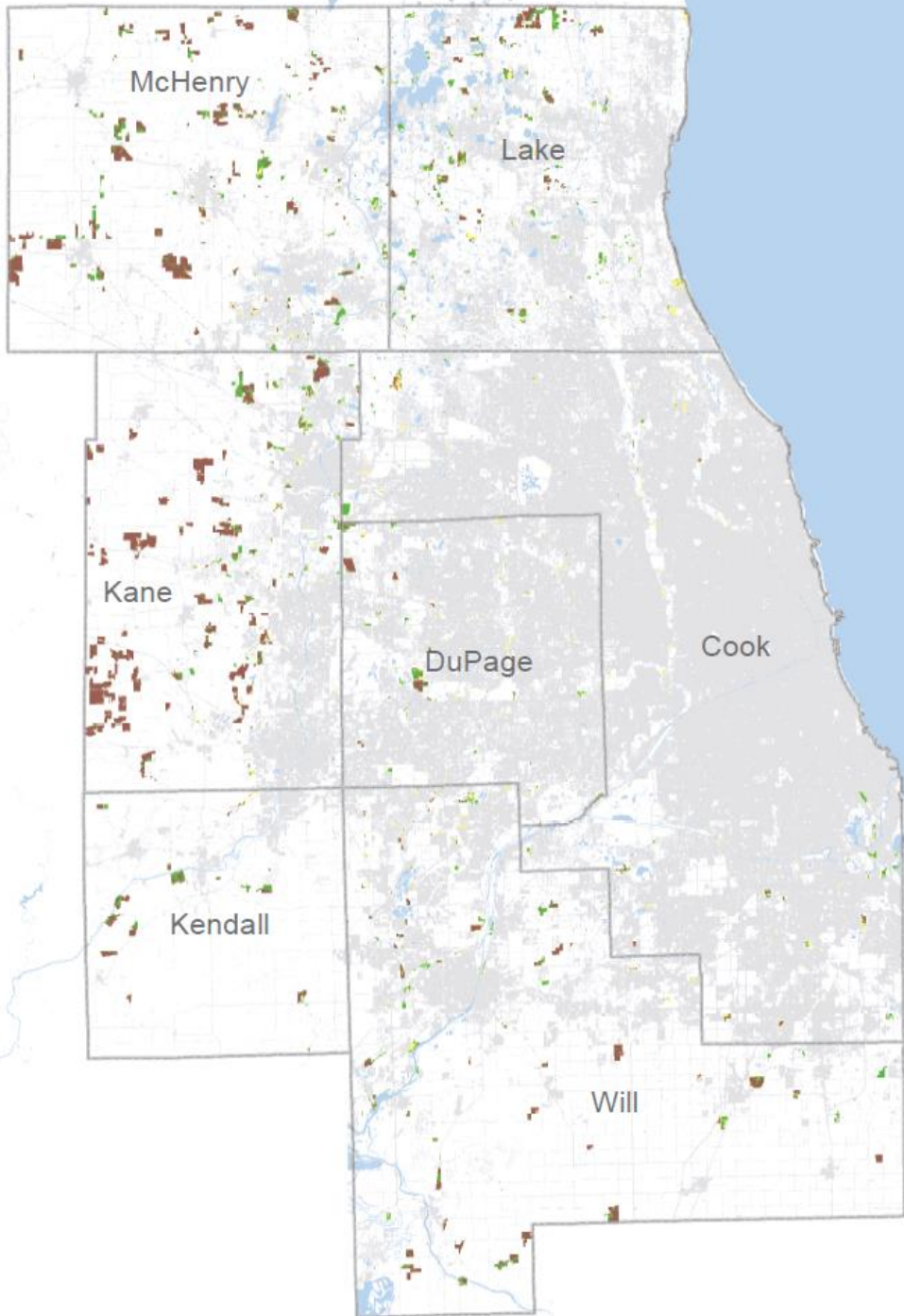
Land cover of protected and developed lands, 2001 - 11



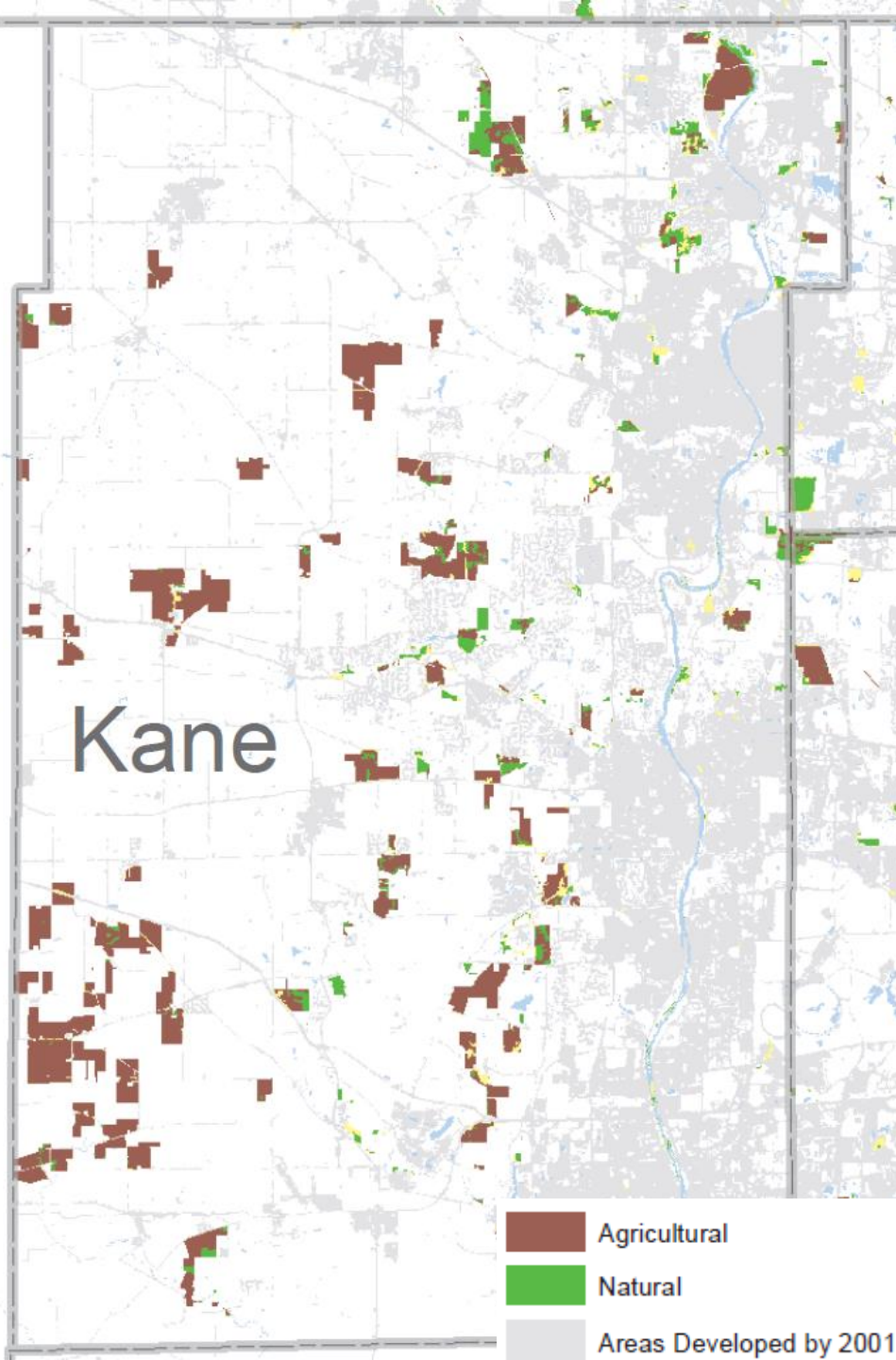
Newly protected lands, by previous land cover

30% increase in newly protected lands within this time period.

Almost doubled the amount of agricultural land under protection.



Protected lands since 2001, by previous land cover for Kane County



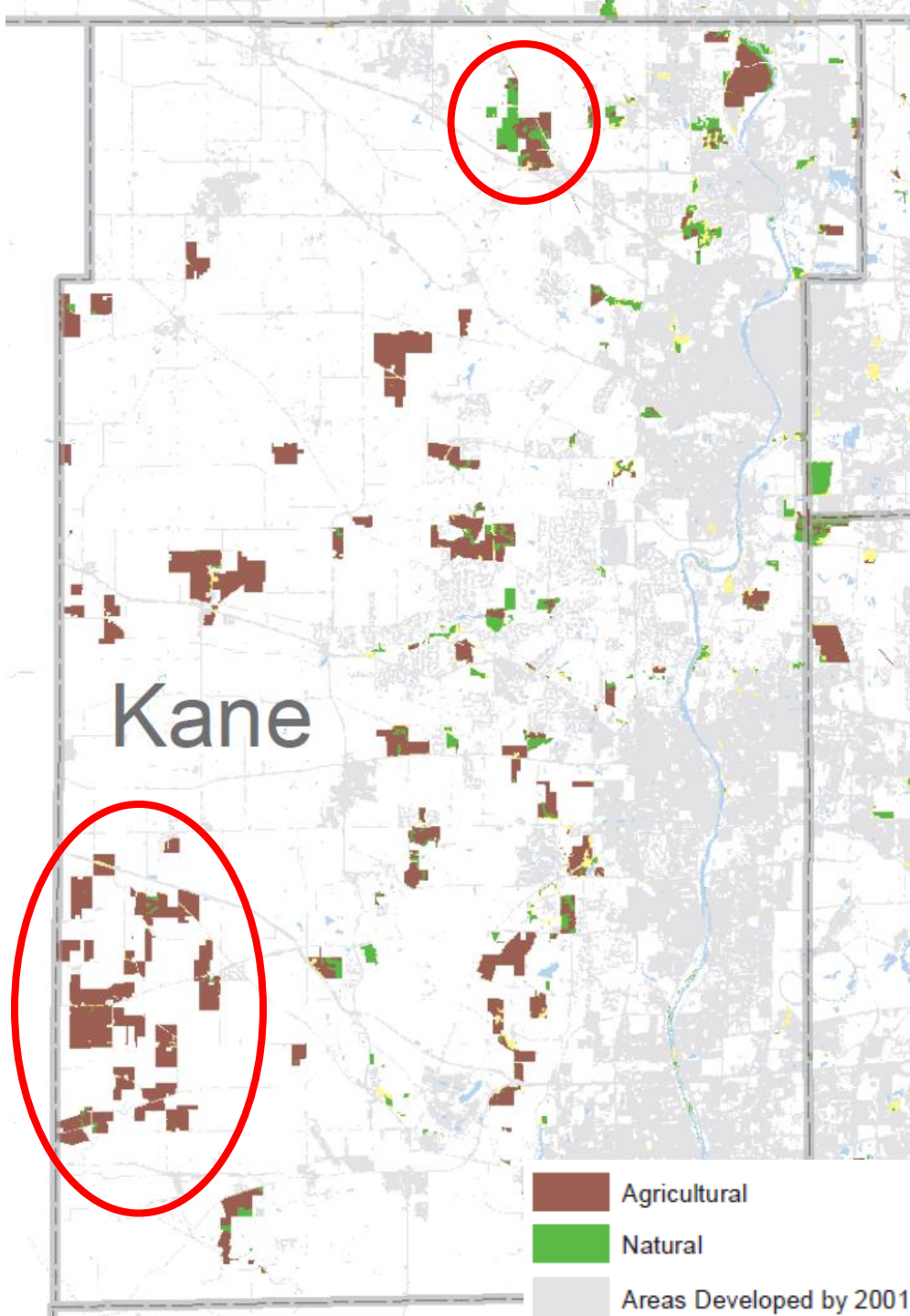
Protected agricultural lands are not necessarily preserved for farming.

Increase could be due to changing natural management approaches and/or decrease in high quality natural lands to preserve.

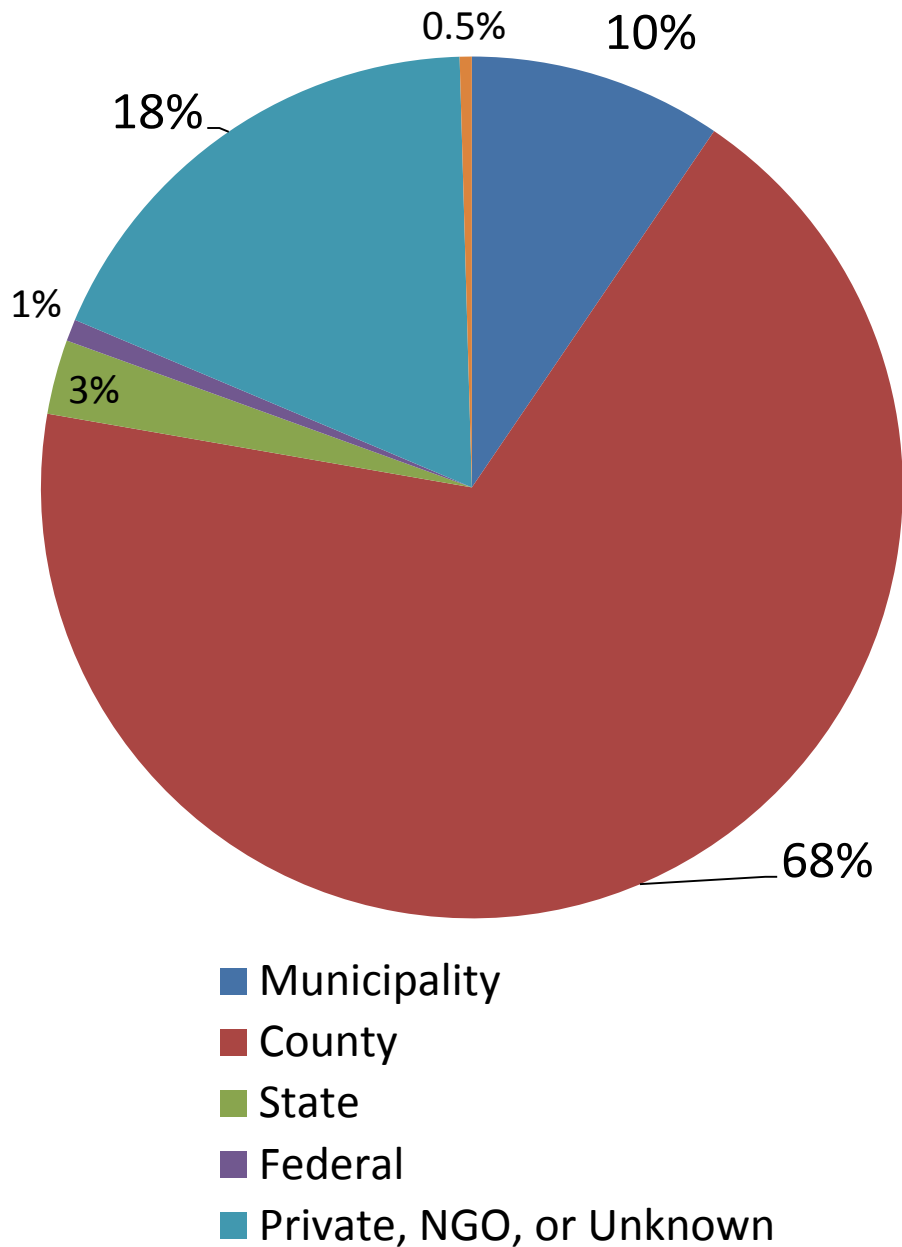
Protected lands since 2001, by previous land cover for Kane County

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Land owners of newly protected lands



Counties continue to be the main land owners of protected lands.

Municipalities and private/non-profits groups are increasing their landholdings - contributing 28% of the newly protected lands.



Owners and easement holders of lands protected with conservation easements, 2001-2011

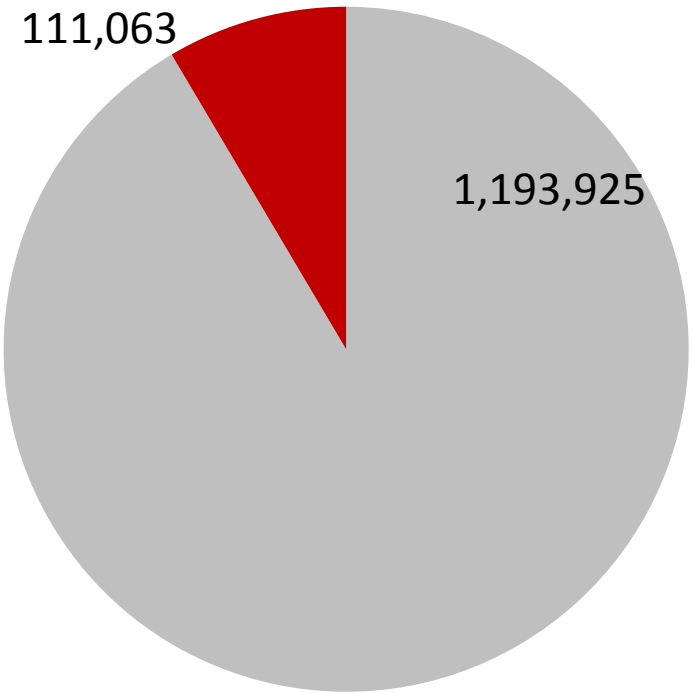
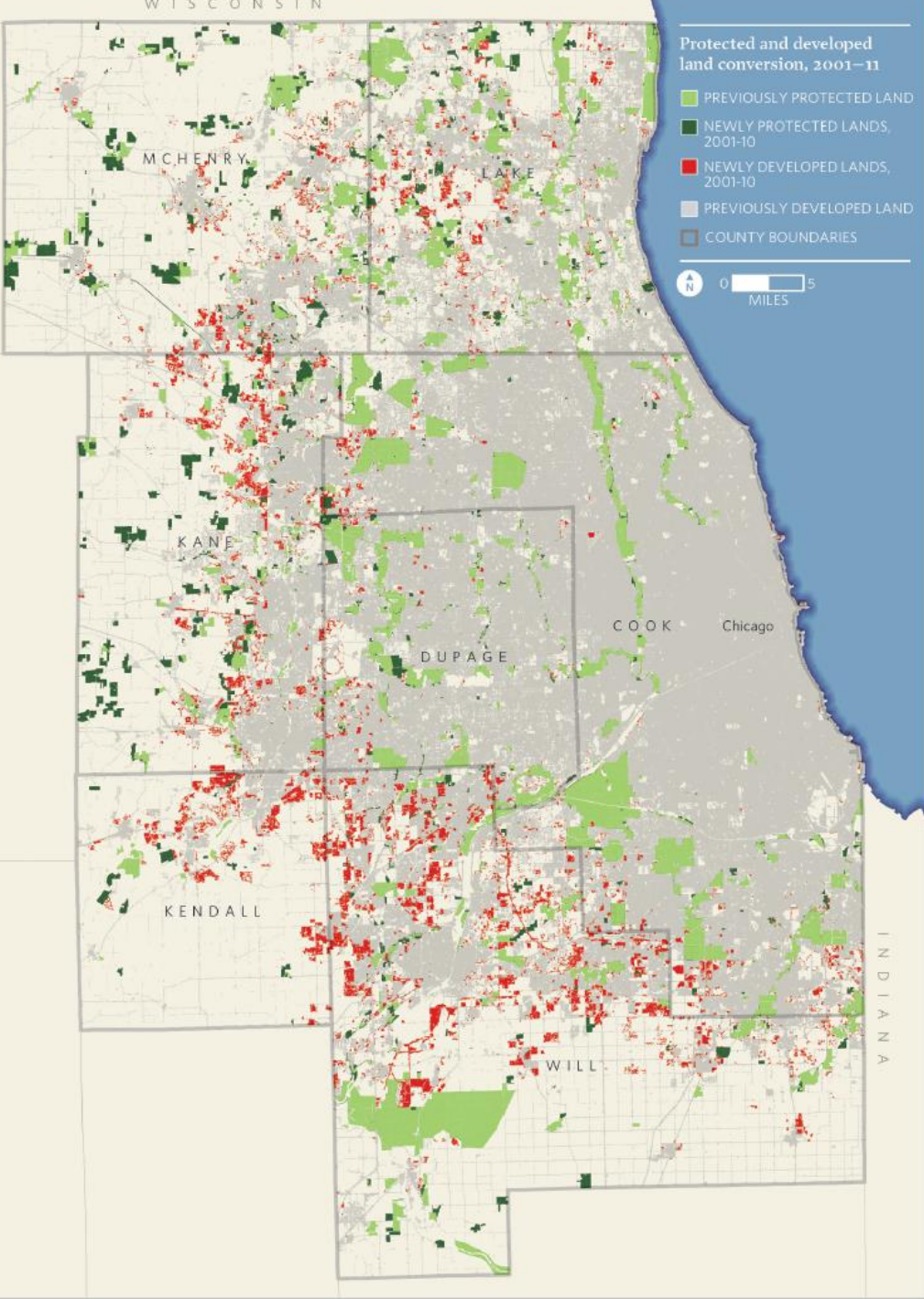
Land Owner	Easement Holder					Total
	Federal	State	County/Muni	NGO	Jointly Held	
State		114				114
County/Muni	12	771	3	241		1,027
NGO		467	95	248		809
Private	26	924	4,125	2,371	2,013	9,459
Total	39	2,276	4,223	2,859	2,013	11,410

Counties and municipalities are the main easement holders, followed by non-profit organizations.

Approximately 25% of newly protected lands were established with conservation easements during this time period.



Existing and newly developed lands, 2011



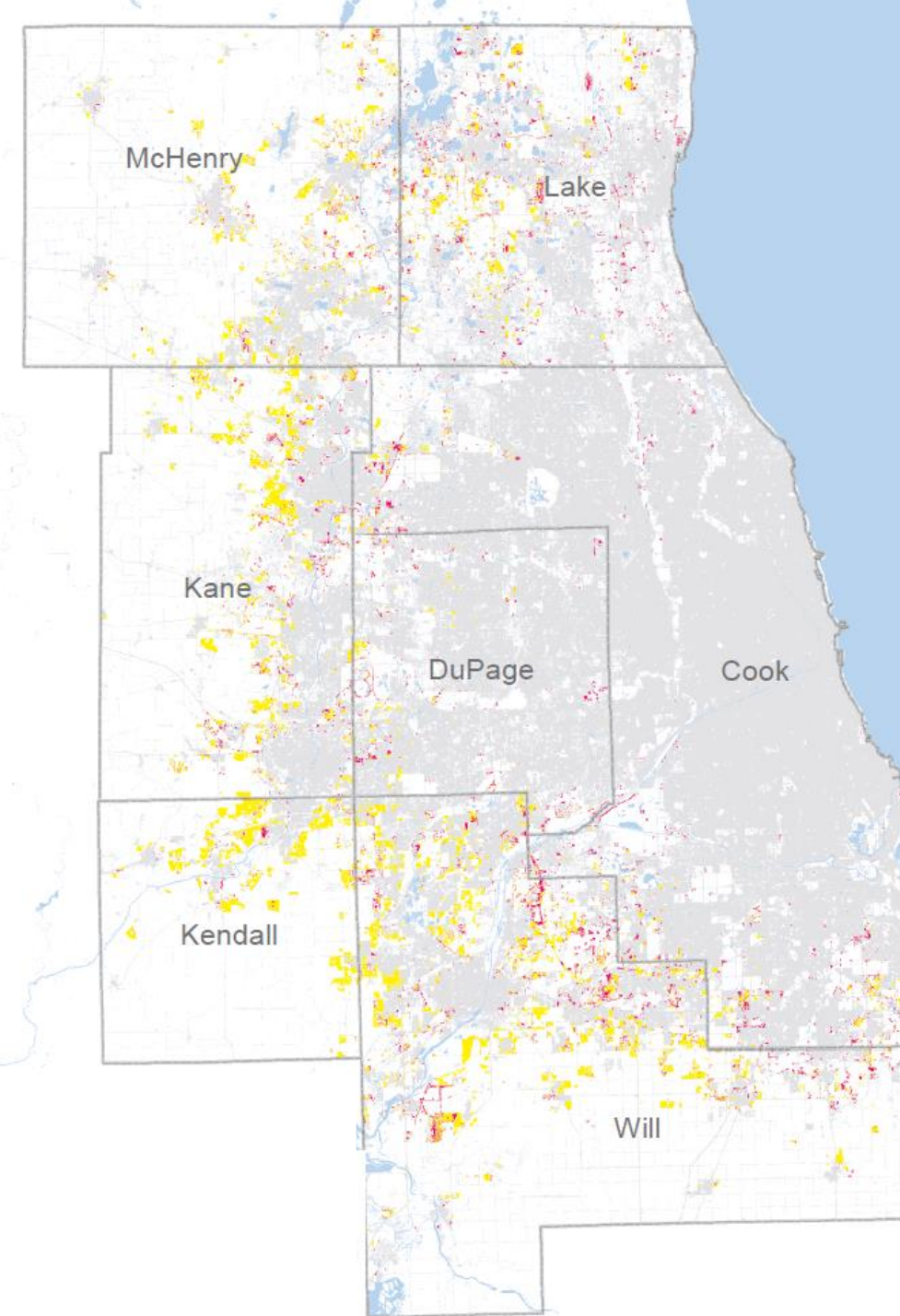
- Existing development, 2001
- New development, 2001-2011

Newly developed lands, by previous land cover

73% of development occurred
on agricultural lands.

Significant variation between
counties.

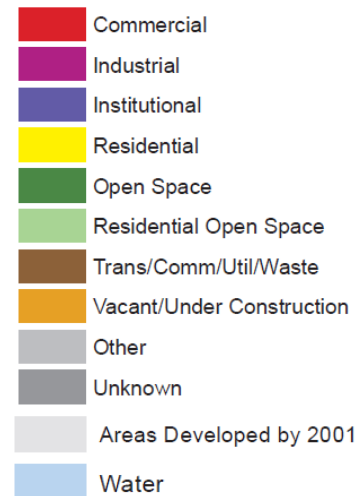
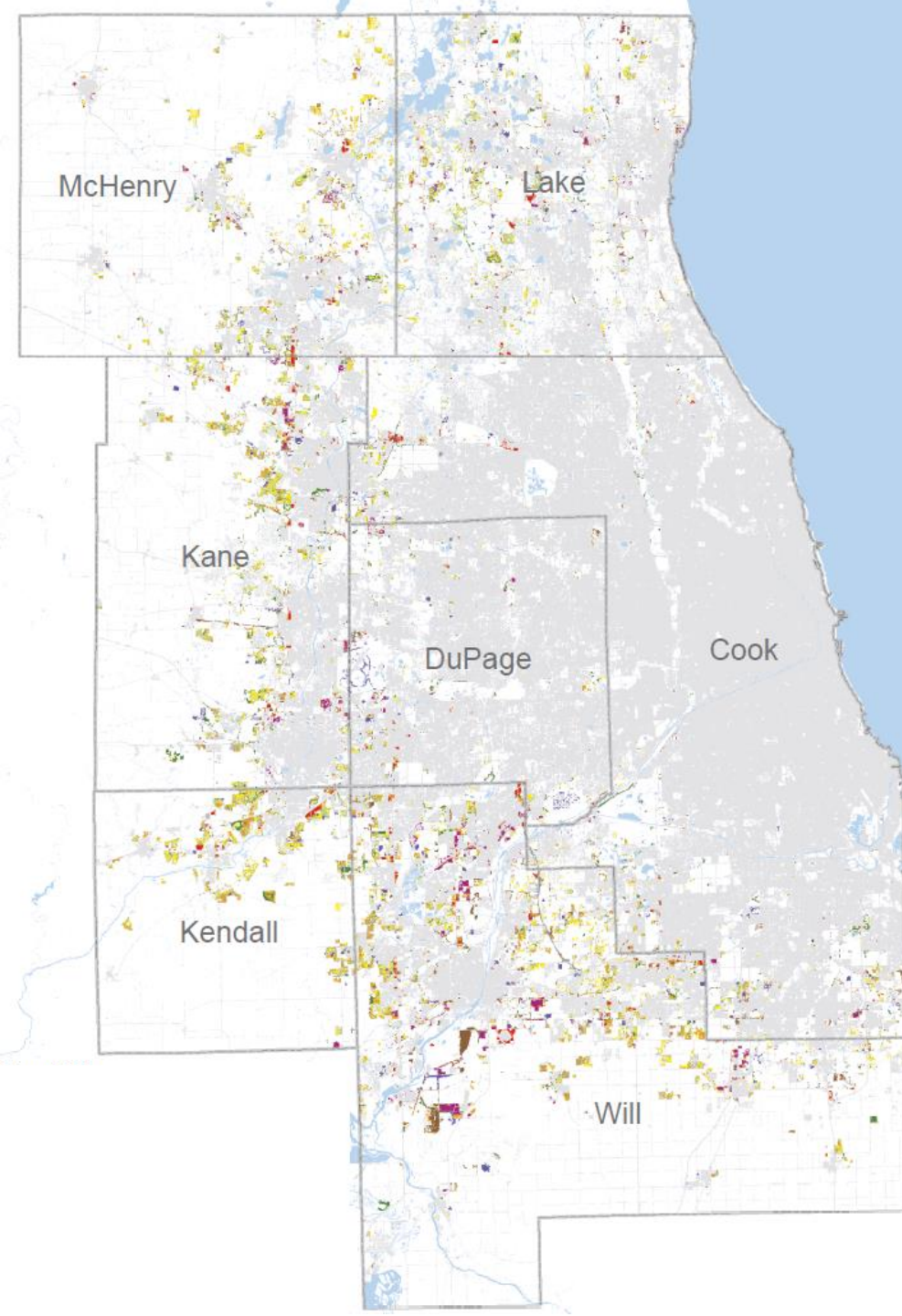
75% of development occurred
within the 2011 municipal
boundary.



Lands developed since 2001, by current land use

27% of newly developed lands are in residential land use.

16,000 acres are in residential or non-residential open space with no easements associated with them.



Next steps

Understanding change

- Continue analysis, especially on development side
- Conduct case studies of the predominant types of change.

Understanding policy landscape

- Continue review of large scale pressures on land conversion
- Continue review existing local, county, state, and national policies, programs, and messaging

Costs and benefits

- Narrative format – not a cost benefit analysis



Comments/questions

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