

The Partnership for a Connected Illinois Webinar Series

Webinar 1
The Illinois Broadband Map

Agenda



- The Partnership for a Connected Illinois' http://broadbandillinois.org Web Site (Drew Clark)
- The ESRI BroadbandStat Tool (Mike Rudibaugh)
- The National Broadband Map at http://broadbandmap.gov (Brian Webster)
- The Broadband Illinois Data Collection Process (Ruben Clark)
- 5. The Broadband Illinois Data Verification Widget (Paul Baker, Webitects)

Presenters



- Drew Clark
 Executive Director, PCI
- Mike Rudibaugh
 Director of Mapping and Analysis, PCI
- Brian Webster Telecom Project Coordinator, PCI
- Ruben Clark
 GIS Analyst, PCI
- Paul Baker
 President and Co-Founder, Webitects

PCI - Broadband IllinoisDrew Clark



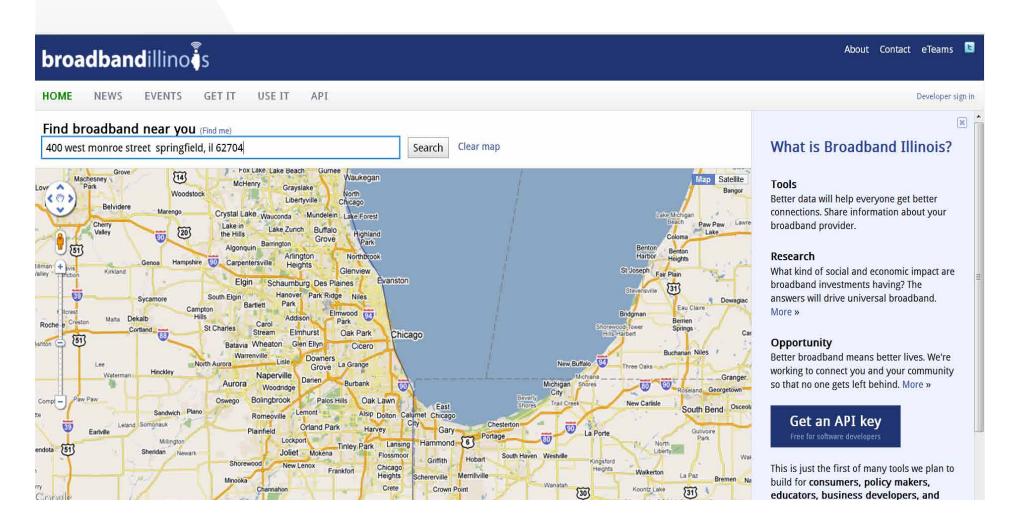
PCI



- The Partnership for a Connected Illinois (PCI) is a 501(c)(3) non-profit organization based in Springfield, Illinois.
- PCI has a three-fold mission: (a) to collect and publish freely available broadband data on http://broadbandillinois.org, and elsewhere, (b) to ensure broadband access throughout the State, and (c) to maximize broadband's impact and use.

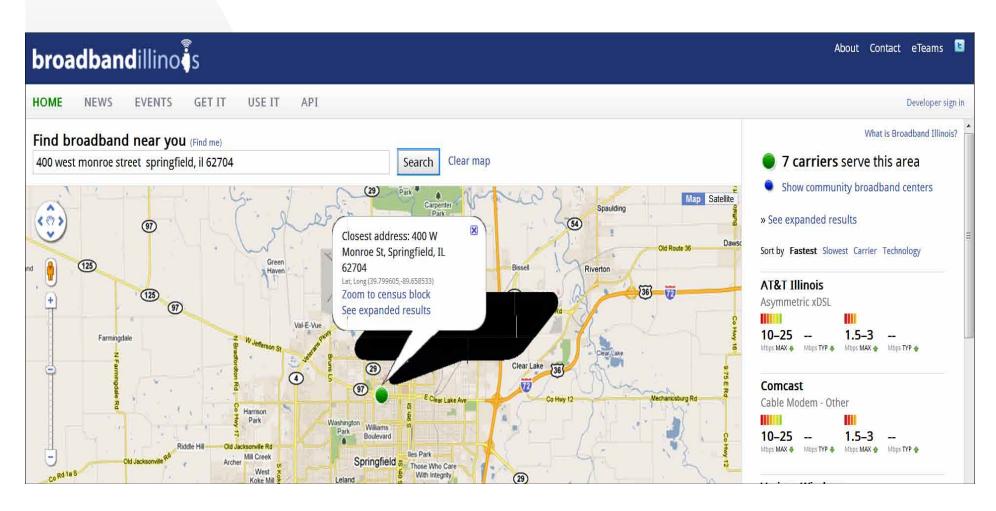
Broadband Service Finder

Go to www.broadbandillinois.org Enter the address in the search box to acquire the list of Carrier providers that serve your address. Then click SEARCH for the results



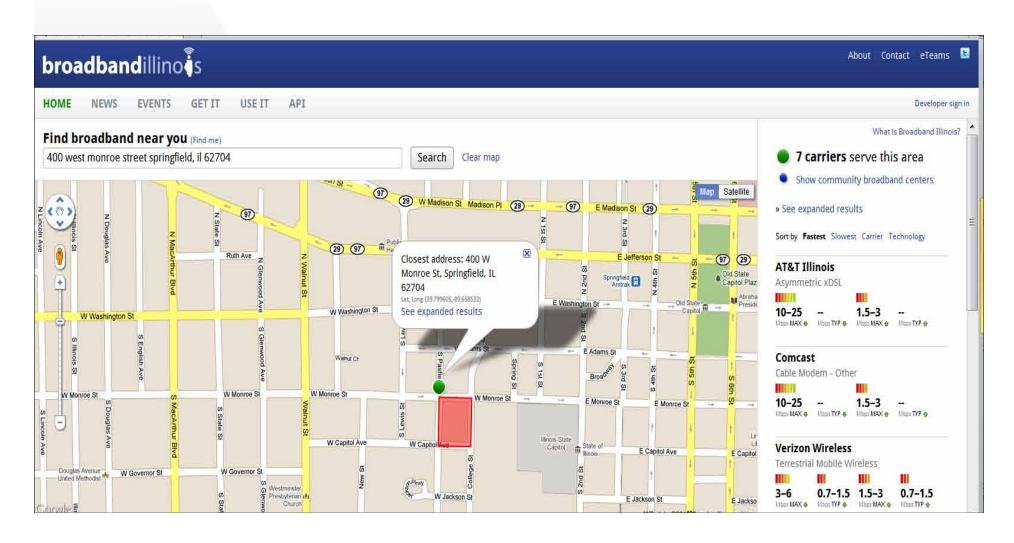
Broadband Service Finder

From the results, individuals can best make decisions and research Carrier providers serve their area based off Maximum upload and download speeds. Through the website you may also sort Broadband Carriers from Fastest to Slowest Speeds.



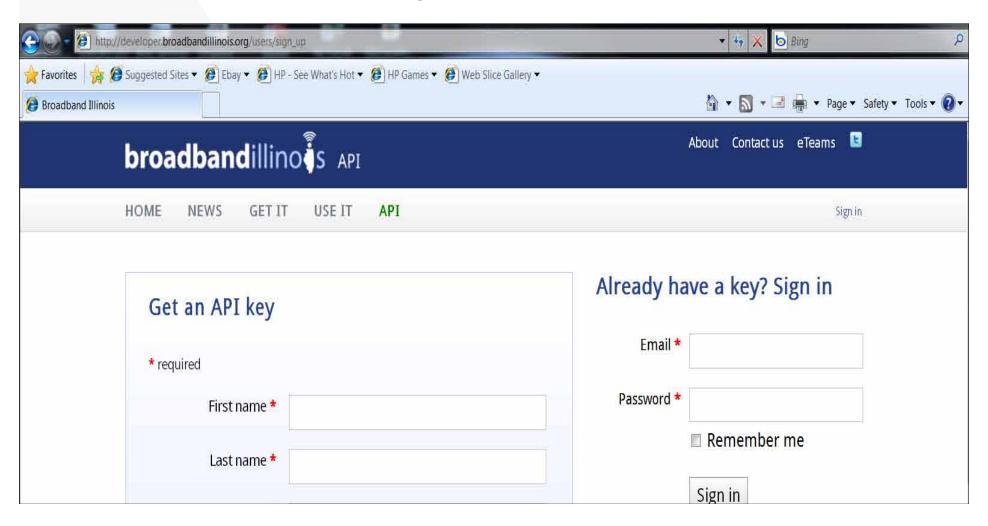
Broadband Service Finder

Carriers can also be identified by Census Block coverage. The providers within that Census block can further be displayed in expanded results.



Application Programming Interface

Developers can also register for a API Key to build their maps on our data.



BroadbandStat

Mike Rudibaugh



BroadbandStat

BroadbandStat is a new interactive mapping platform that provides a multi-functional, user-friendly way for local leaders, policymakers, consumers, and technology providers to devise a plan for the expansion and adoption of broadband.



BroadbandStat

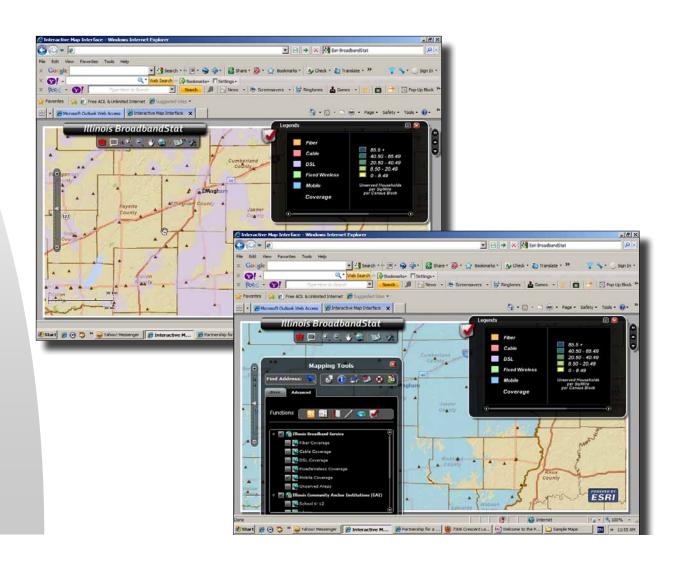


- Mapping Functions
- IDENTIFY broadband service options.
- VISUALIZE broadband coverage areas.
- SHOW types and speeds of existing coverage.
- ANALYZE barriers to broadband adoption.
- EVALUATE the impact of proposed broadband projects.
- TRACK broadband growth.

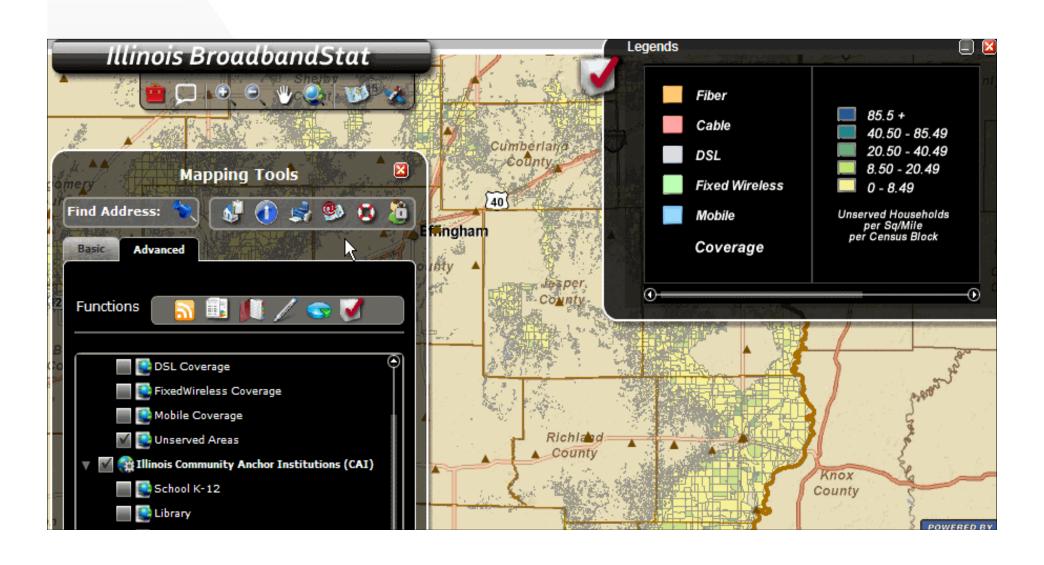


BroadbandStat – Coverage





BroadbandStat – Mapping Functions



BroadbandStat – Mapping Functions



- IDENTIFY broadband service options.
- VISUALIZE broadband coverage areas.
- SHOW types and speeds of existing coverage.
- ANALYZE barriers to broadband adoption.
- EVALUATE the impact of proposed broadband projects.
- TRACK broadband growth.
- Assessing CAIs in relation to underserved areas relative to broadband.
- Example: Southeast Illinois and Public Safety



BroadbandStat Mapping



- Advantages
 - Ease of use
 - No software
 - Interface appears just like another website

- Disadvantages
 - Limited query capabilities
 - Speed
 - Errors
 - Users have little
 ability to modify or
 customize the look
 and feel of the
 data relative to
 map presentation

Illinois Broadband Map

Assessing the Social and Economic Impacts

PCI Mapping Goals

How does PCI link data, maps, and research to support adoption and access goals for broadband expansion in Illinois?







Illinois Broadband Map

Assessing the Social and Economic Impacts



- 1. Evaluate current mapping resources being used in Illinois.
 - Awareness on current resources
 - Feedback from user community
- Survey PCI's users relative to data, mapping, and research goals.
- Construct mapping objectives from prior steps in developing PCI's Strategic Broadband Mapping Portal (IBM Version 1.0)
 - Data (underserved areas, regions, and identifying marketing opportunities
- 4. Education

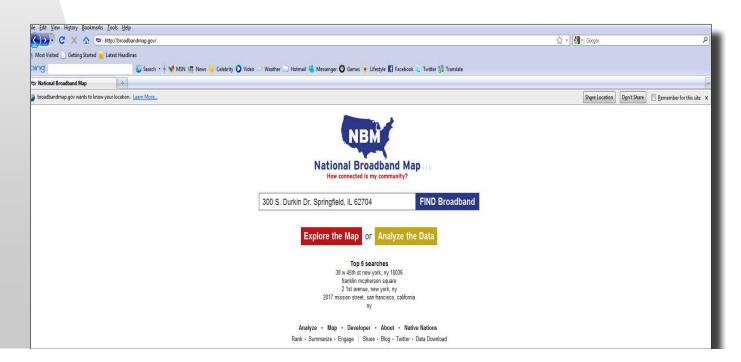
Brian Webster



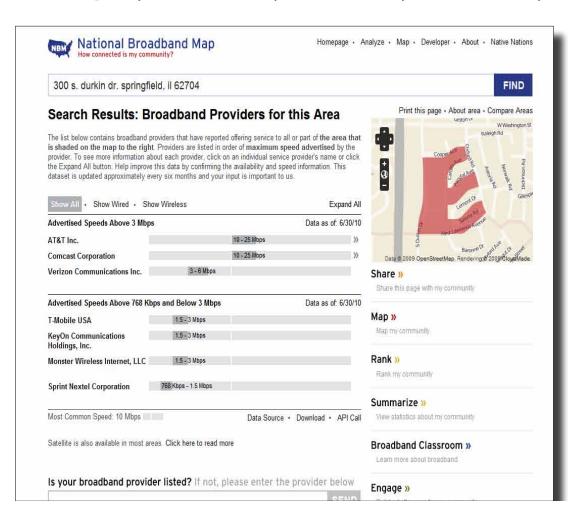


 The National Broadband Map can list all carrier providers for any specific address Nationwide.



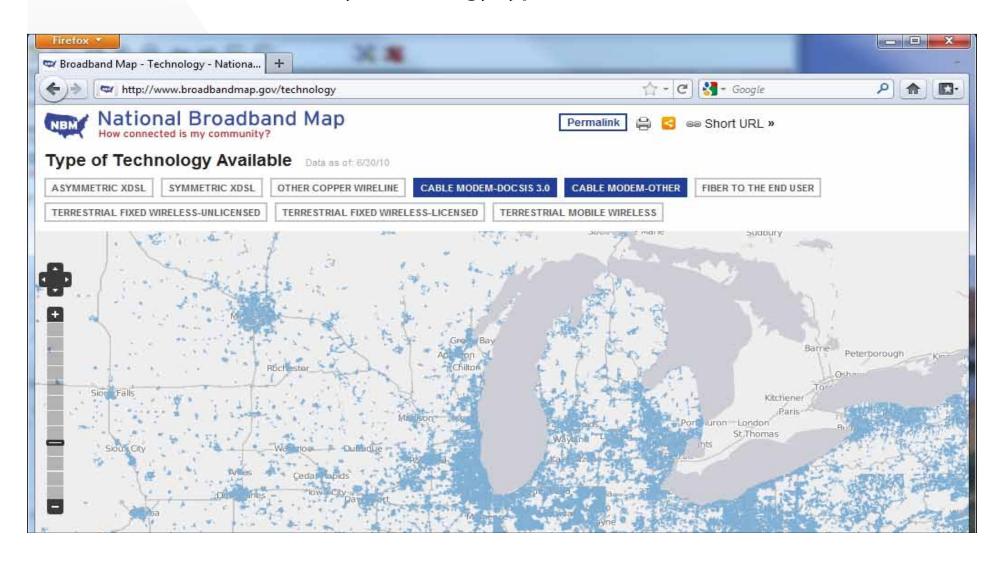


The site generates the list of providers that service the address entered along with speeds. It can also be viewed by Wired or Wireless. There are other features such as map my community or rank my community.

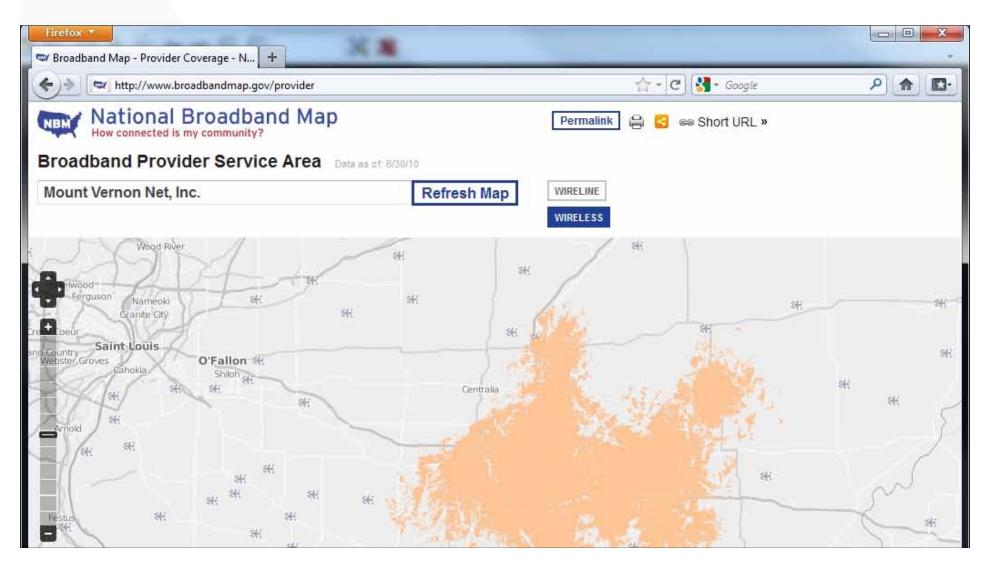




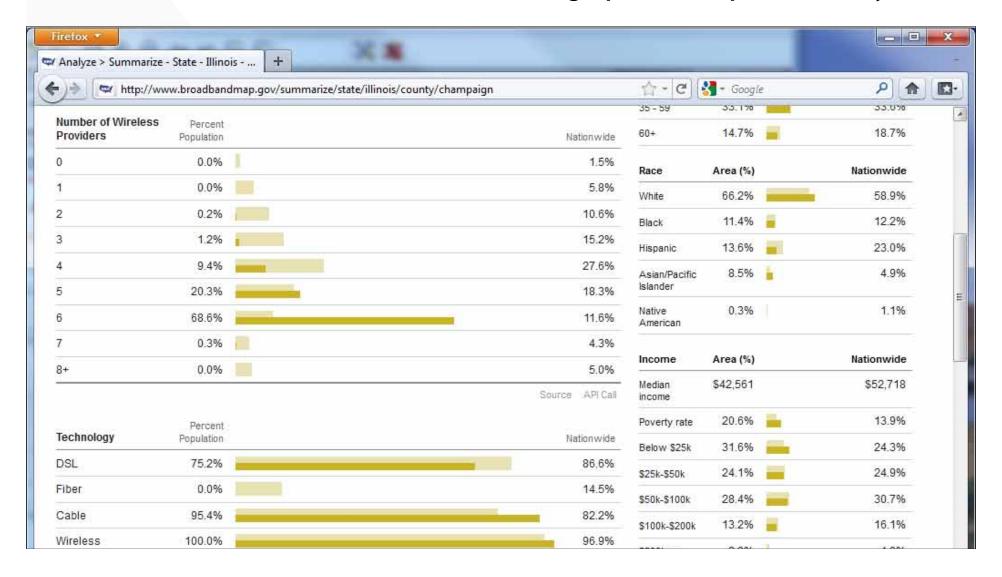
This is an overview of broadband providers coverage by technology type (cable modem).



This map view shows a specific carrier coverage area.



This shows the demographics of a specific county.



This shows county rankings.

(-)	http://www.broadbandmap.gov/rank/champaign,il/county/illinois/percent-household-unit						P 🛖 🖸		
Rank	Name	Provider	Speed Download DL>1.5	Demographics Income Median	Demographics Age 20-34	Demographics Age 35-59	Demographics Age 60+	ρ	
78	Gallatin, IL	100%	98.3%	33,954	18.7%	30.4%	23.3%		
79	Putnam, IL	100%	99.9%	54,528	18.2%	31.7%	23.0%		
80	Hardin, IL	100%	100%	32,083	17.7%	33.2%	24.9%		
81	Jefferson, IL	100%	98.1%	40,343	19.2%	33.1%	20.6%		
82	Union, IL	100%	97.6%	38,028	18.4%	32.1%	22.9%		
83	Clay, IL	100%	80.8%	37,660	18.6%	29.8%	21.7%		
84	Stephenson, IL	100%	99.5%	43,561	18.7%	32.1%	21,7%		
85	Jo Daviess, IL	100%	97.3%	52,514	17.5%	31.3%	25.8%		
86	Marion, IL	100%	96.2%	37,446	19.2%	31.1%	20.4%		
87	Schuyler, IL	99.9%	87.6%	42,425	18.1%	31.2%	22.8%		
88	Jersey, IL	99.9%	93.9%	51,553	20.9%	33.0%	20.0%		
89	Macoupin, IL	99.9%	97.1%	46,857	19.4%	31.7%	20.8%		
90	Henderson, IL	99.8%	81.9%	39,536	17.8%	31.8%	23.6%		
91	Hancock, IL	99.8%	96.7%	42,732	18.3%	30,6%	22.3%		
92	Wabash, IL	99.7%	96.4%	44,738	19.5%	31.7%	21.8%		
93	Adams, IL	99.7%	97.1%	43,460	19.6%	31.7%	21.2%		
94	Alexander, IL	99.6%	94.7%	28,983	18.8%	30.1%	20.2%		

Carrier Provider Data Collection

Ruben Clark



Carrier Provider Data Collection

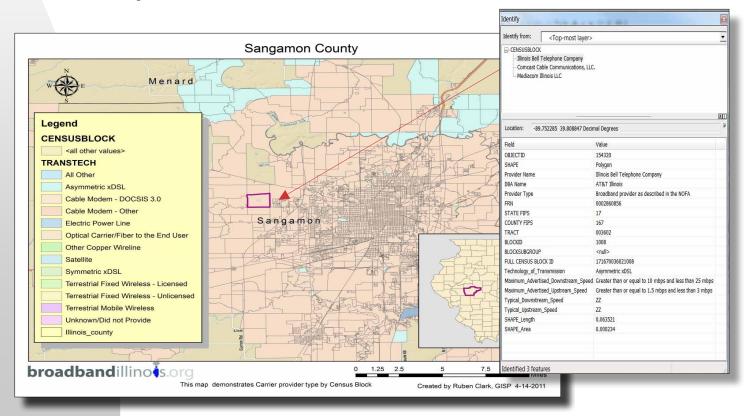


- Carrier Providers by Census Block
- Carrier Providers by Wireless Coverage
- Carrier Technology and Speeds
- Carrier Wireless Technology and Speeds
- Community Anchor Institutions (featured also in Webinar 3, on June 1, 2011)

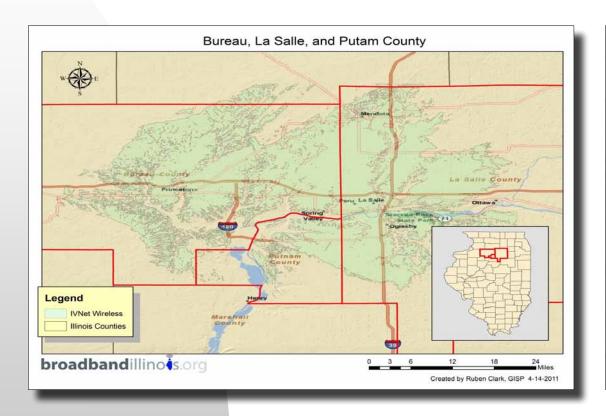
Carrier Provider by Census Block

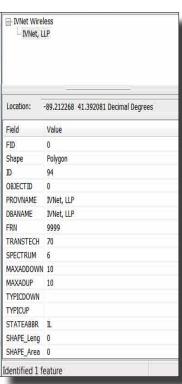
The Census Block selected shows the number of carrier providers that service that particular Census Block. Provider data is collected at a detailed level, including DBA name, Technology Transmission, Speeds and Census Block identification numbers.





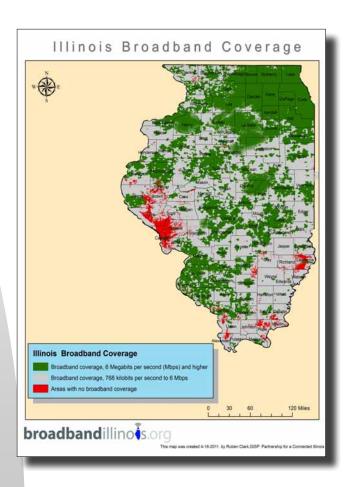
This map demonstrates IVNET Wireless footprint over county boundaries.





Speed Tiers

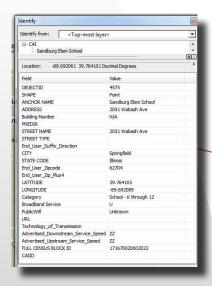


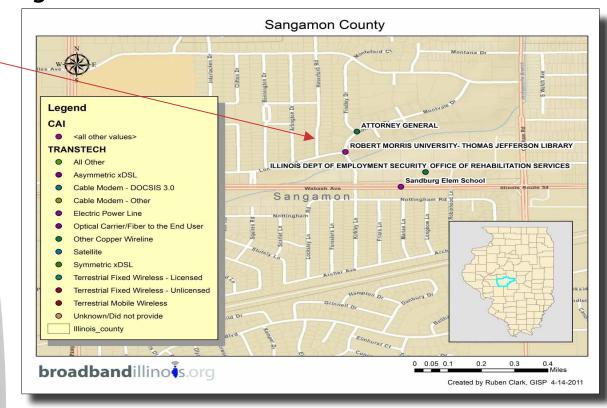


- We can also identify Coverage areas by specific speed tiers.
- This gives us a better understanding of areas with slower speeds to no broadband coverage.

CAI (Community Anchor Institutions)

CAIs consist of schools, libraries, medical and healthcare providers, public safety entities, community colleges and other institutions of higher education, and other community support organizations and entities.





Broadband Illinois Widget

Webitects



Broadband Illinois Widget

The widget is an extension application that will soon be on our BroadbandIllinois.org website The application will allow us to record carrier provider coverage discrepancies.

Broadband Illinois Widget broadbandillinous broadbandillino is broadbandillino broadbandillino s Use this widget! Use this widget! Thank you! Thank you! Praesent vehicula nisi tincidunt purus Praesent vehicula nisi tincidunt purus We hope to nisi tincidunt purus rhoncus in We hope to nisi tincidunt purus rhoncus in rhoncus in bibendum magna tincidunt. rhoncus în bibendum magna tincidunt. bibendum magna tincidunt. Integer bibendum magna tincidunt. Integer Integer malesuada lorem in nibh. Integer malesuada lorem in nibh. malesuada lorem in nibh. malesuada lorem in nibh. Facebook Address... Carbondale Facebook Can you get these services here? Twitter Twitter CARRIER & SPEED Enter your address to see Mediacom broadband carriers in your area. 10-25 Mbps MAX & Help improve Broadband Illinois Help improve Broadband Illinois Catile Mintern - Other in your area in your area Verizon Wireless Questions? Visit Broadband Illinois. Questions? Visit Broadband Illinois. 3-6 Mbps MAX 4 My carrier is ... Terrestrial Mobile Wireless I want to volunteer Thank you for signing up! The price per month is... I want be an organizer 0.7-1.5 Mbps MAX & © 2011 Broadband Illinois, All rights reserved. Comments? Terrestrial Mobile Wireless Your email... Send Sign up My carrier is ... © 2011 Broadband Illinois. All rights reserved. © 2011 Broadband Illinois. All rights reserved. The price per month is... Comments? Send © 2011 Broadband Illinois. All rights reserved.

Questions & Answers



http://broadbandillinois.org



Partnership for a Connected Illinois 413 West Monroe Street Springfield, IL 62704 (217) 886-4228 info@broadbandillinois.org

5/5/11

