

Find a need and fill it

Riverside, California 2 April 2015





Greetings:

What, if anything, are you doing to bring broadband to the Hollister / San Benito County area?

--Larry [redacted]
[redacted]
Hollister, CA

 **Larry [redacted]** <[redacted]@yahoo.com> 17/04/2013 ☆  

to me ▾

Thanks for your response. Having lived in the area for 20 years, and having to rely on dial-up and modems, I can tell you that any improvement would be greatly welcomed.

...

 **Larry [redacted]** <[redacted]@yahoo.com> 30/09/2013 ☆  

to me ▾

Hi Steve--

can you give me an update on what's happening (if anything) in San Benito County?

...

 **Stephen Blum** <steveblum@tellusventure.com> 30/09/2013 ☆  

to Larry ▾

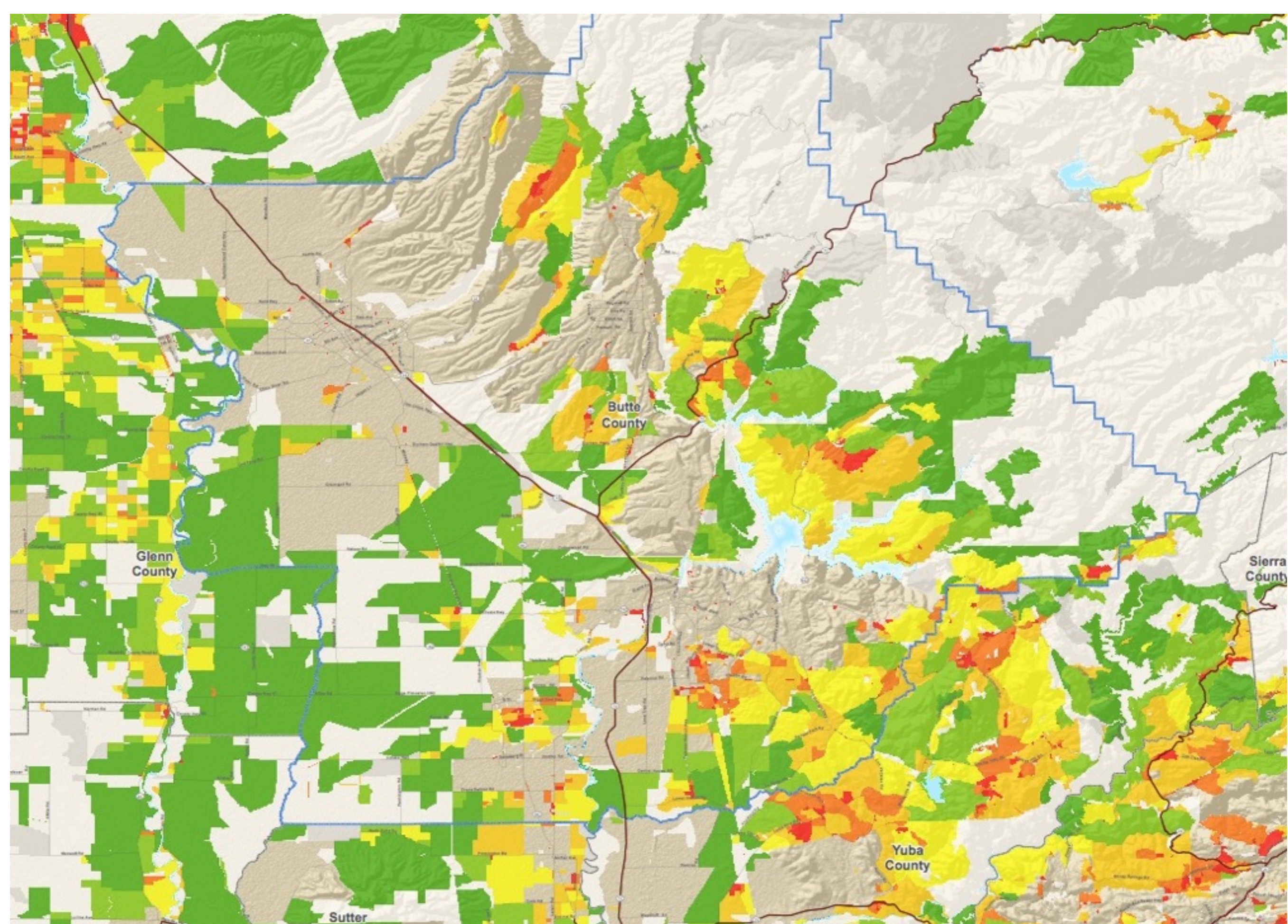
Hi Larry,

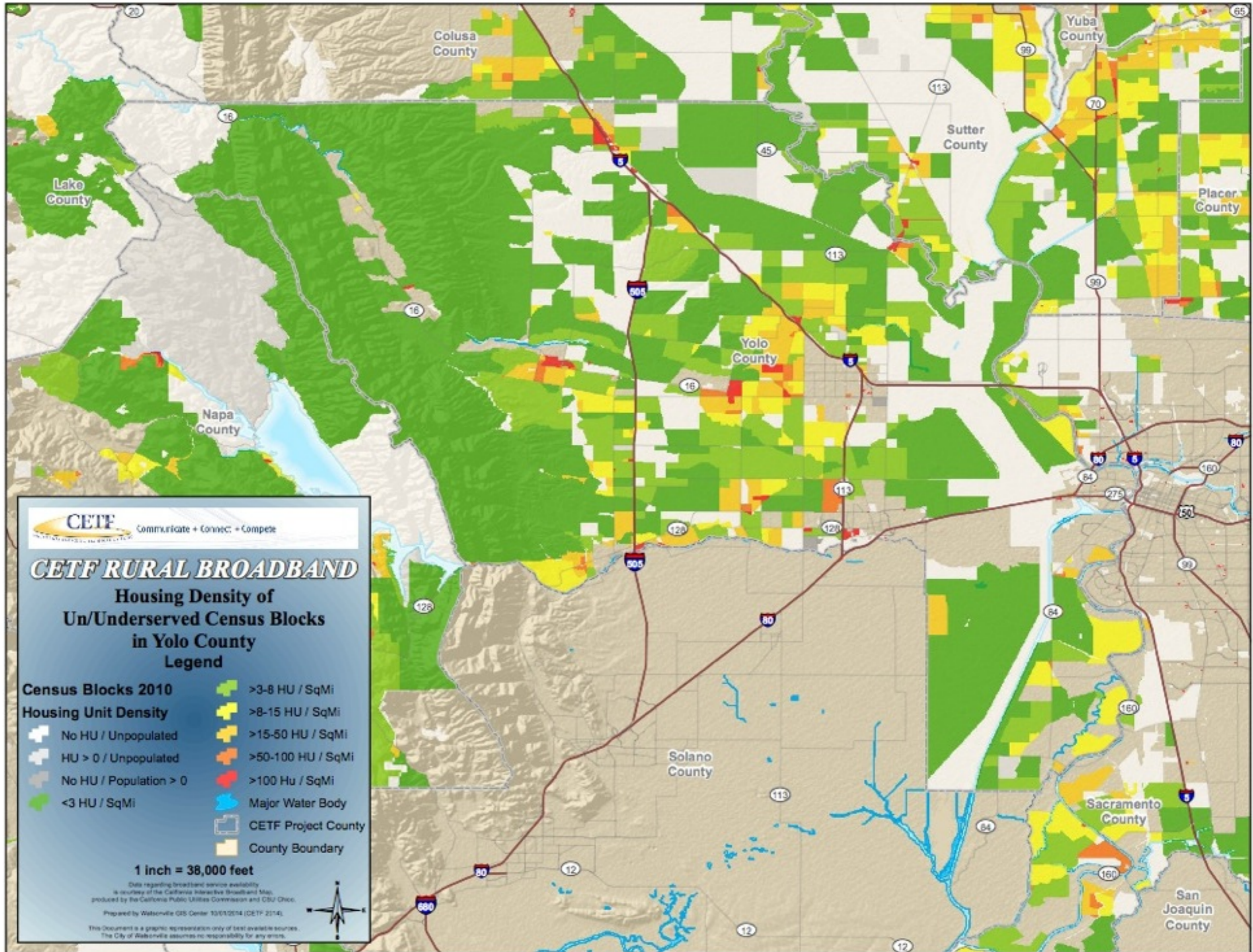
We're in the process of planning another adoption event for Hollister later this year. Should know more details in the next few weeks. Also, we just helped Pinnacles Telephone get a grant for a broadband upgrade in south county:

[Pinnacles broadband upgrade supported by CDF funding](#)

How do you find gaps & opportunities?

Relatively isolated anecdotes or a flood of data.





CETF Communicate + Connect + Compete

CETF RURAL BROADBAND

Housing Density of Un/Underserved Census Blocks in Yolo County
Legend

Census Blocks 2010

Housing Unit Density

- No HU / Unpopulated
- HU > 0 / Unpopulated
- No HU / Population > 0
- <3 HU / SqMi
- >3-8 HU / SqMi
- >8-15 HU / SqMi
- >15-50 HU / SqMi
- >50-100 HU / SqMi
- >100 HU / SqMi
- Major Water Body
- CETF Project County
- County Boundary

1 inch = 38,000 feet

Data regarding broadband service availability is courtesy of the California Interactive Broadband Map, produced by the California Public Utilities Commission and CBU Ohio. Prepared by Watsonville GIS Center 10/01/2014 (CETF 2014). This document is a graphic representation only of best available sources. The City of Watsonville assumes no responsibility for any errors.



Broadband report card

A

Astound (or Sonic) and/or Comcast and/or AT&T offering their best levels of service.

B

Comcast Xfinity cable modem service and mid-level AT&T Uverse DSL.

C

AT&T DSL and Comcast cable modem service.

D

Only one provider, e.g. AT&T or Comcast or Winters Broadband, meets spec.

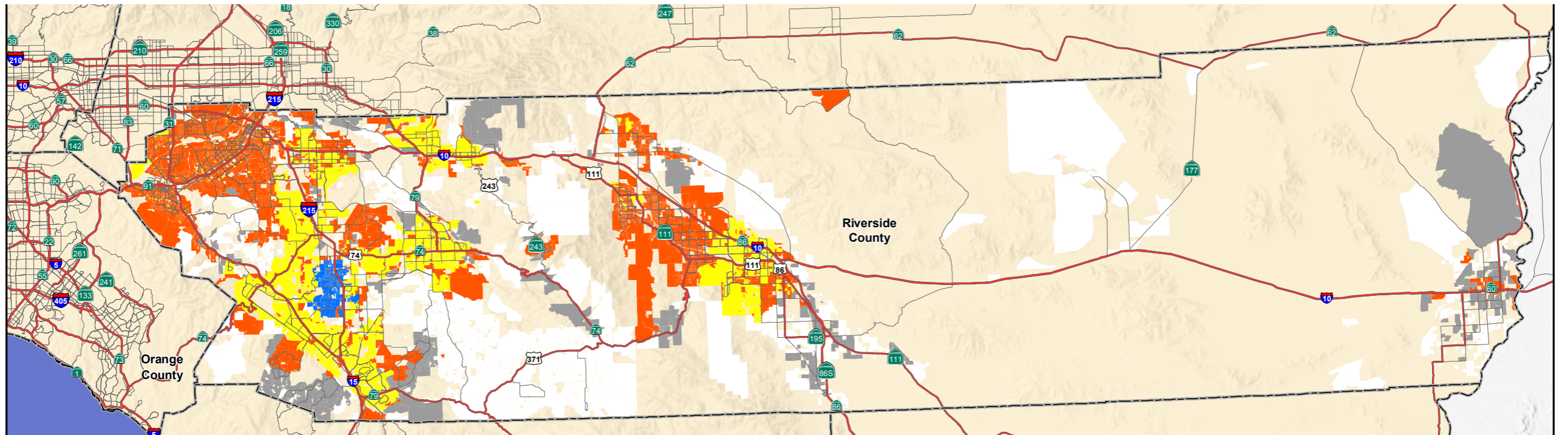
F

Service via outdated DSL equipment or nothing at all.

D 1.1

Riverside County

Barely passing



Riverside County

Barely passing

Menifee	C+	2.5
Hemet	C-	1.8
Temecula	C-	1.8
Wildomar	C-	1.7
Murrieta	C-	1.7
La Quinta	C-	1.7
Banning	D+	1.6
Lake Elsinore	D+	1.6
Canyon Lake	D+	1.6
San Jacinto	D+	1.5

Top ten

Riverside County

Wireline Service Grades for the City of Menifee

Legend

CPUC Round 10 Data

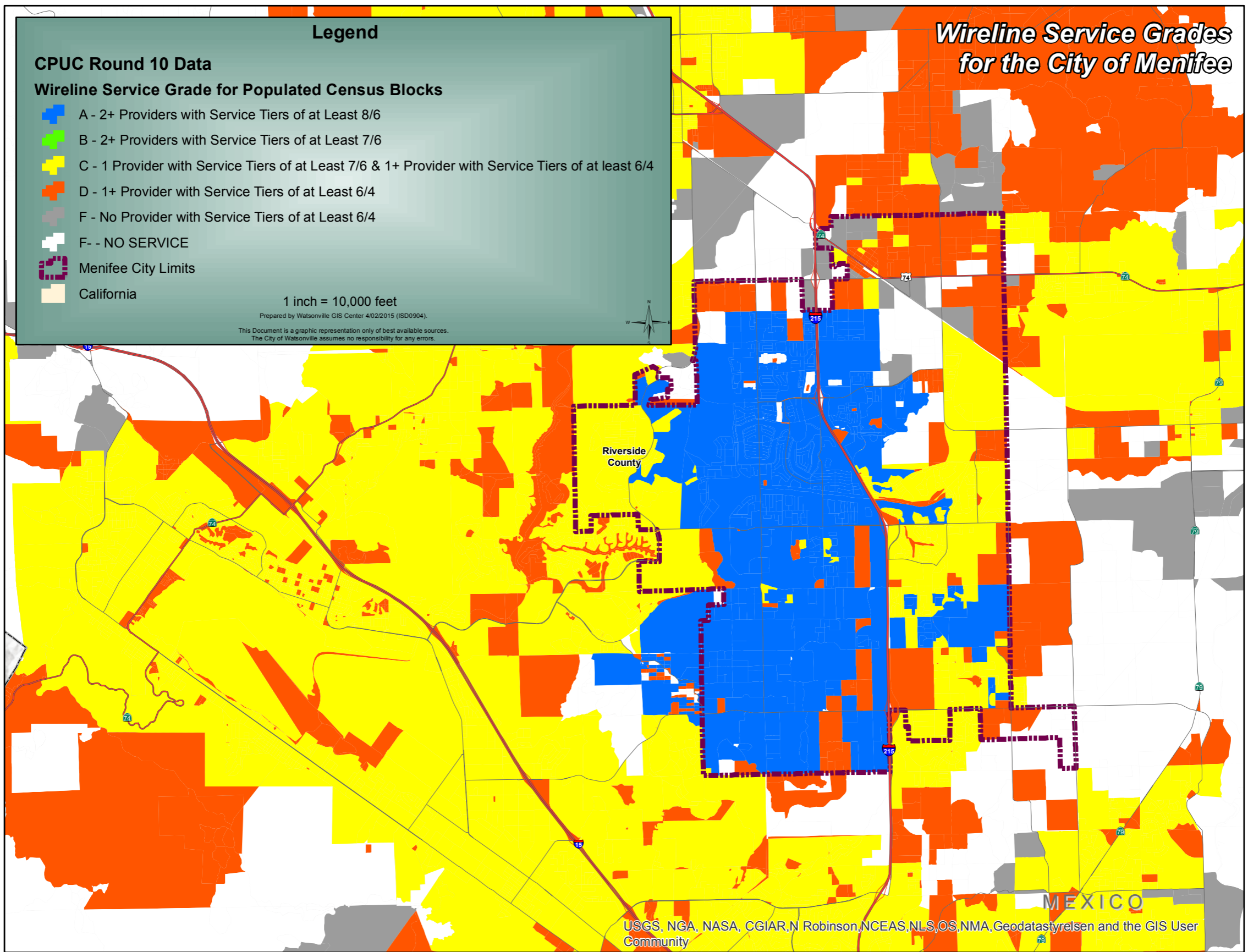
Wireline Service Grade for Populated Census Blocks

-  A - 2+ Providers with Service Tiers of at Least 8/6
-  B - 2+ Providers with Service Tiers of at Least 7/6
-  C - 1 Provider with Service Tiers of at Least 7/6 & 1+ Provider with Service Tiers of at least 6/4
-  D - 1+ Provider with Service Tiers of at Least 6/4
-  F - No Provider with Service Tiers of at Least 6/4
-  F - NO SERVICE
-  Menifee City Limits
-  California

1 inch = 10,000 feet

Prepared by Watsonville GIS Center 4/02/2015 (ISD0904).

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Riverside	D	1.1
Calimesa	D	1.1
Norco	D	1.1
Corona	D	1.0
Palm Springs	D	1.0
Rancho Mirage	D	1.0
Desert Hot Springs	D-	0.9
Cathedral City	D-	0.9
Coachella	D-	0.9
Blythe	F	0.4

Bottom 10









Riverside County

San Bernardino County
Wireline Service Grades for the City of Riverside

Legend

CPUC Round 10 Data


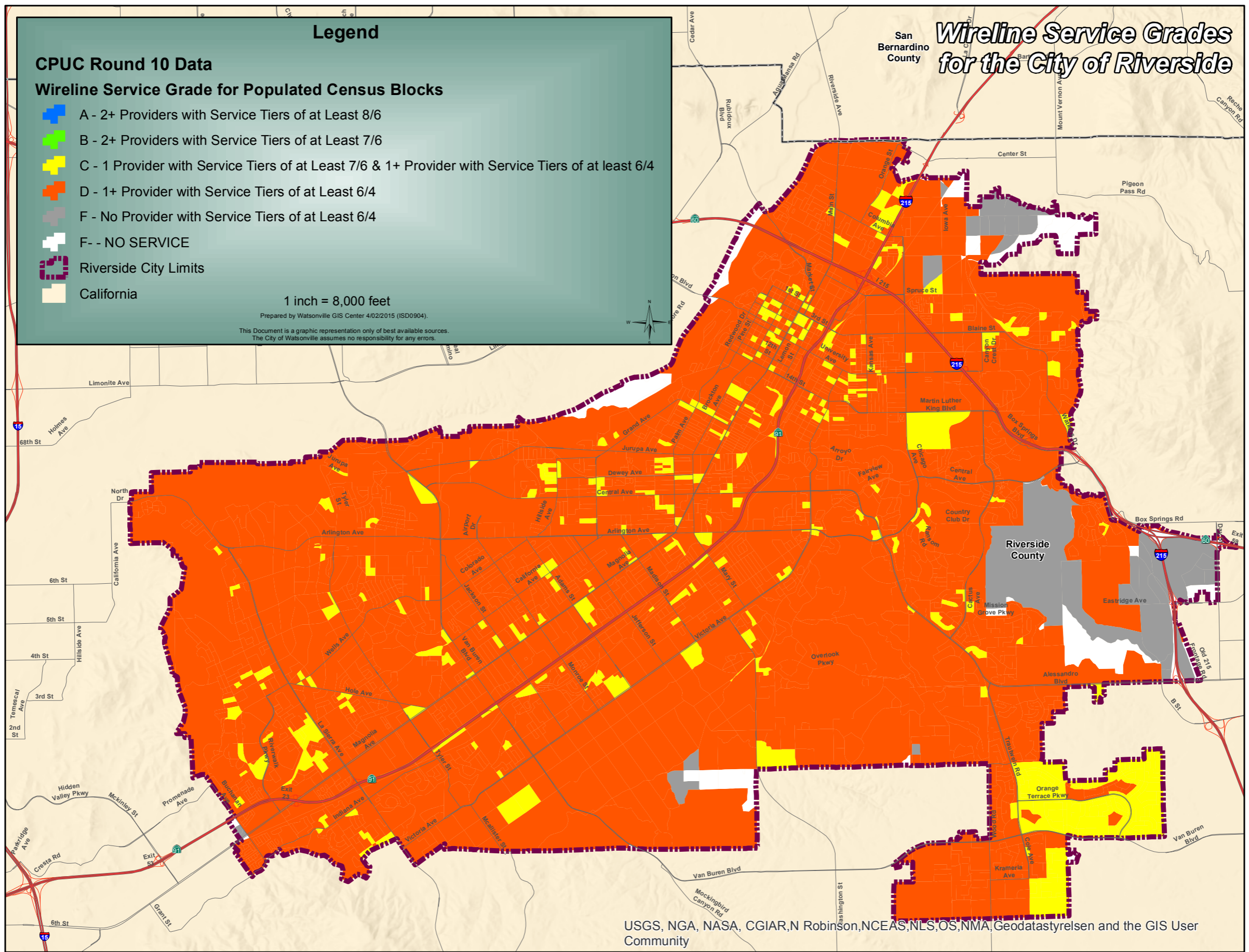
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-  F - No Provider with Service Tiers of at Least 6/4
-  F - NO SERVICE
-  Riverside City Limits
-  California

1 inch = 8,000 feet

Prepared by Watsonville GIS Center 4/02/2015 (ISD0904).

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- City/County assets
 - Conduit
 - Real estate
- IT budgets
- Management of street cuts
 - Open trench/dig once
 - Shadow conduit
 - GIS logging
- Municipal enterprises
- Public/private partnerships

Policy options

Carrots, not sticks

Questions?

Maps make the case



Primary broadband infrastructure analysis

- Only looked at carriers that actually own last mile, wireline infrastructure
- Consumer broadband infrastructure is a generally reliable indicator of all types of service availability and core infrastructure.
 - For example, most AT&T and Comcast construction to date is based on expected revenue from consumers.
- Evaluation is based on grading according to advertised download and upload speeds, which provides a relative comparison even when ground truth differs.
- Secondary providers are business oriented and do not file reliable service reports.
 - If you call, we'll tell you if we can serve you and how much it will cost.