

**The Cochise
Water Project**
Do Your Part, Be Water Smart.



We are:

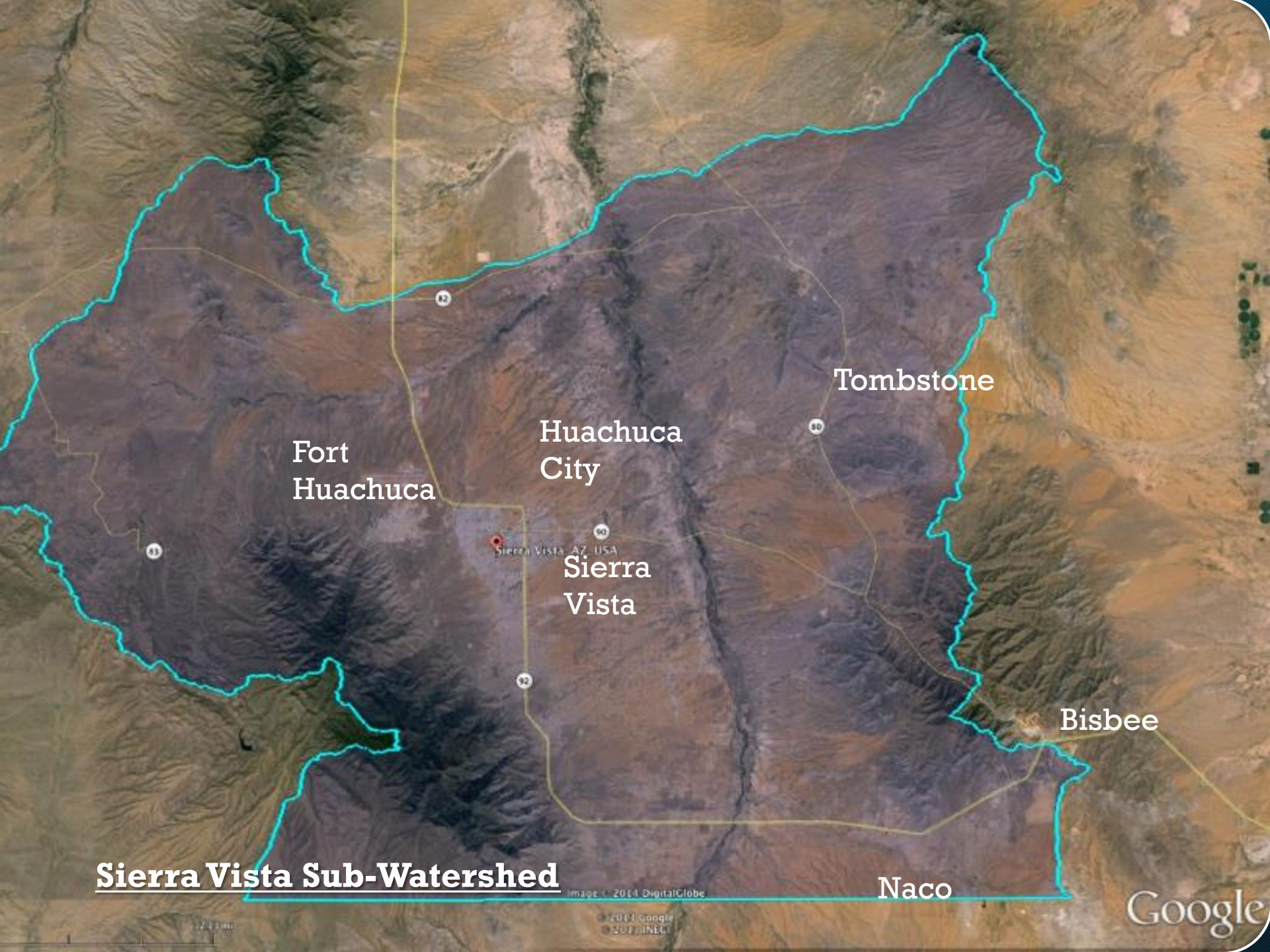
501(c)(3)

non-profit

a single goal –

reduce the amount of water drawn from
the Sierra Vista sub-watershed.

*What is
TCWP?*



Sierra Vista Sub-Watershed

Image © 2014 DigitalGlobe

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Naco

Google



Initially Arizona Community Foundation and the Cochise Community Foundation:

- In 2011, acted as parent company for start-up.
- Accepted monies from WFF as the responsible 501(C)(3)
- Worked with TCWP staff in developing budgets and developing programs

Getting
off the
ground ...



Cochise Community Foundation:

- Provided professional management advice
- Instrumental in establishing relevant reporting protocols
- Created opportunities to explore opportunities to create a successful and sustainable program
- Very low administrative fee (1%)
- Now TCWP stands alone as a 501(c)3

Getting
off the
ground ...



Provided from a variety of sources:

Walton Family Foundation

Castle & Cooke AZ

Horizon Moving

Upper San Pedro Partnership

Fort Huachuca

The Huachuca 50

Rutherford Diversified Industries

SSVEC, local electrical cooperative

City of Sierra Vista

Funding

- Chief Member Services Officer, SSVEC
- Owner, Ace Hardware
- Western Resource Advocates, Senior Arizona Policy Advisor
- Vice President, Castle & Cooke Arizona
- Community Development Director, City of Sierra Vista
- President, Cochise College
- Publisher, Sierra Vista Herald
- Executive Director, Sierra Vista Area Chamber of Commerce
- Superintendent, Sierra Vista Public Schools

Board Members

Liaisons to the Board of Directors

- Ft Huachuca Deputy Garrison Commander
- Director of Conservation TNC, AZ Chapter

Liaisons

Technical Committee

- Managing Partner, Reality LLC
- Natural Resources Consultant, Cochise County
- Water Wise, Program Coordinator Senior
- Director, Cochise County Planning and Zoning Department
- Director, Ft Huachuca Environmental and Natural Resources Division

Technical Committee

STAFF

Patrick Call

Executive Director

Tim Cervantes

Administrative Director

Tara Evans

Office Manager

www.thecochisewaterproject.com

tcwp@me.com

520-732-2014

Staff



**TCWP Rainwater
Harvesting**



**Rainwater
Harvesting System**

The Cochise
WATER
PROJECT

Significant Rebates Available

www.thecochisewaterproject.com

The advertisement features a white background with a dashed border. A blue brushstroke underline is positioned under the word 'WATER'.

Small Tanks



Large Tanks



Rainwater Harvesting

Multiple 100
Gallon



Single 1500
Gallon



Rainwater Harvesting

500 Gallon



300 Gallon



Rainwater Harvesting

The Cochise Water Project Signs



Commercial:
10,000 Gallons



Pueblo del Sol
Country Club
35,000 Gallons



SV Boys & Girls Club 6,800 Gallons





Retail Partnerships

Partners in Water Saving





ACE Hardware garden section 2,500 Gallons



Lowes Garden Section 2,500 Gallons





DCP's

“Fire and Forget” Hot Water
Demand-Controlled Pump
Rebates

The Water Wagon



TCWP Toilet Replacement Program

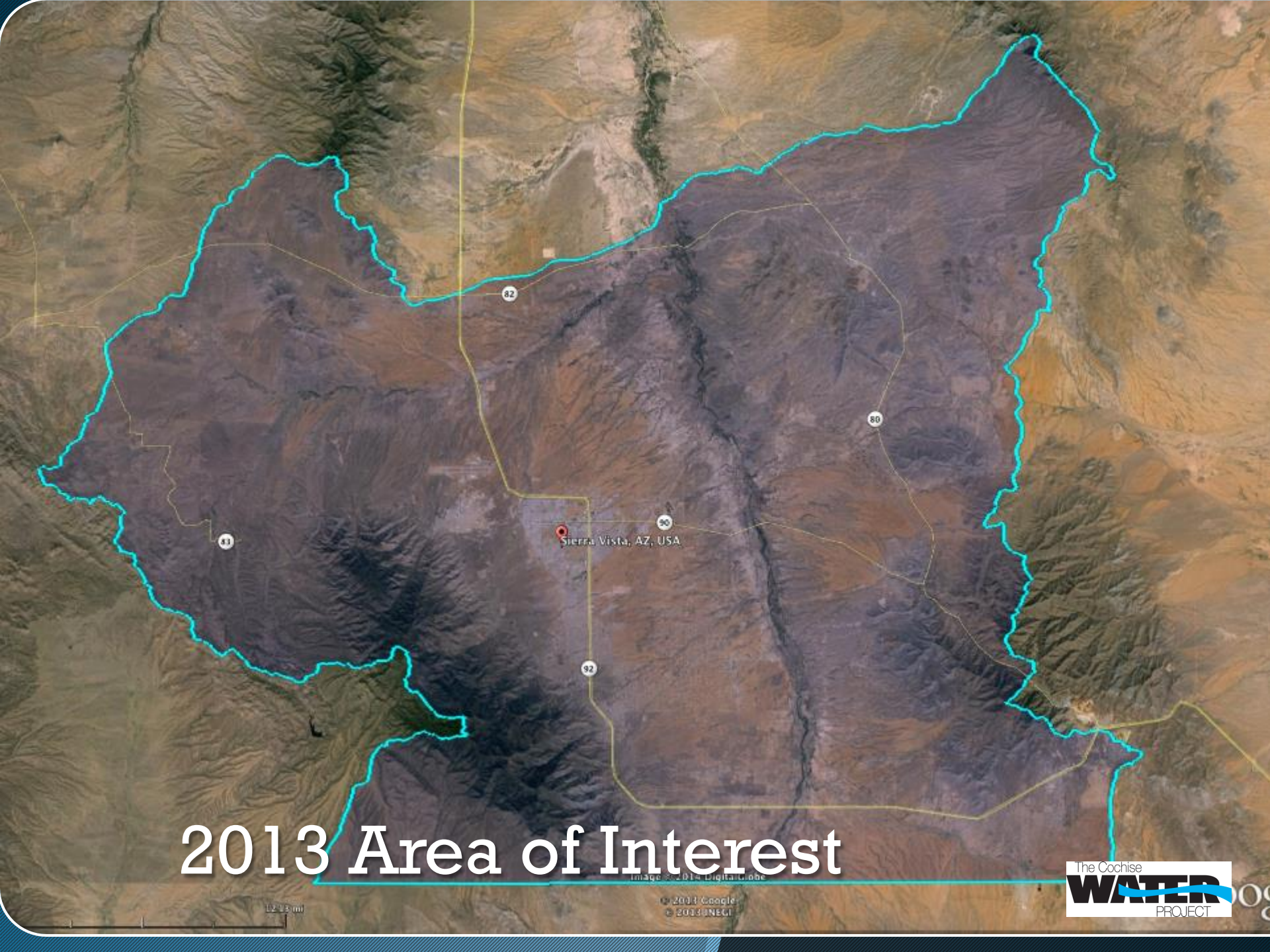




Sierra Vista, AZ, USA

Upper San Pedro River Area





2013 Area of Interest

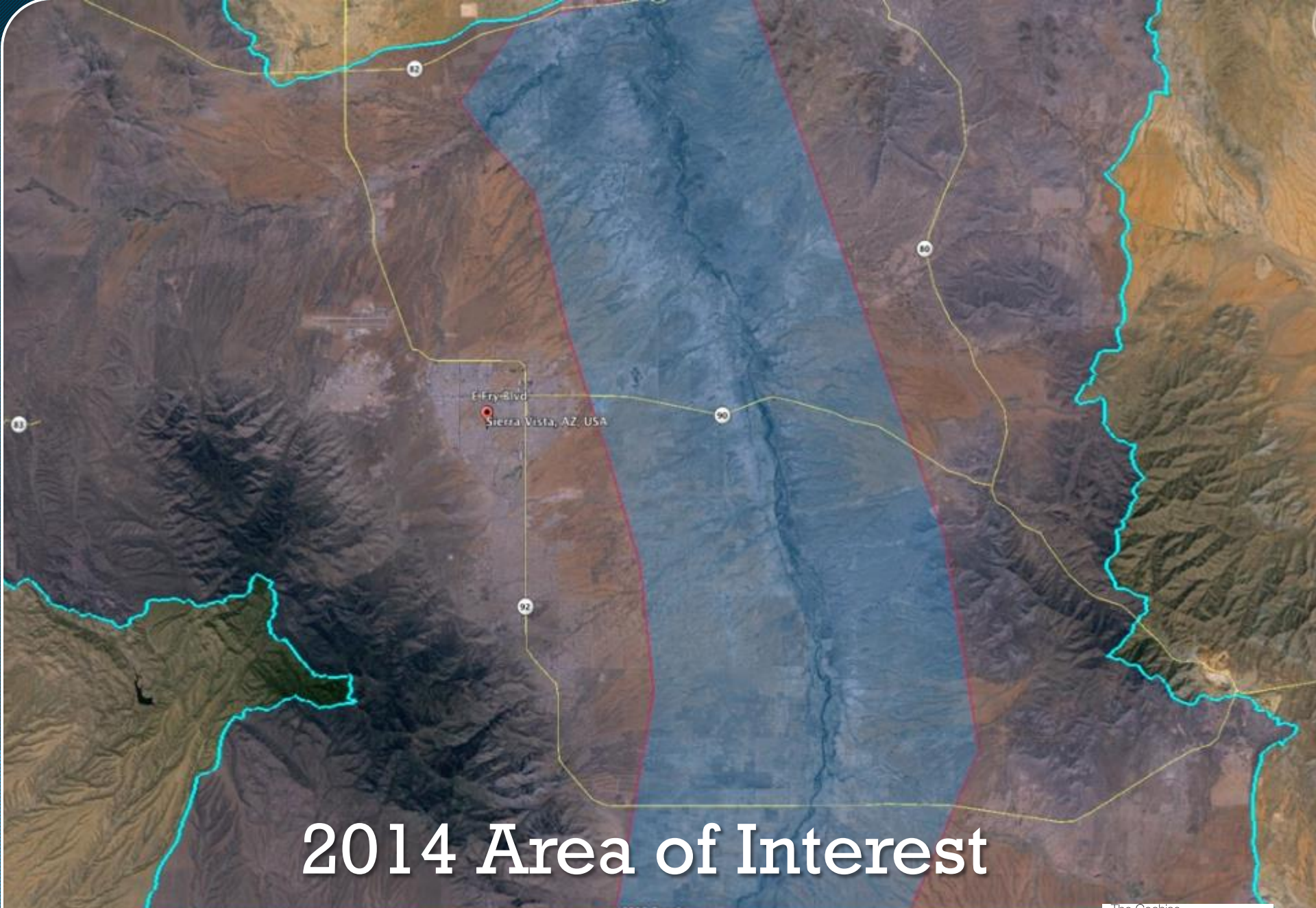
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Image © 2014 DigitalGlobe

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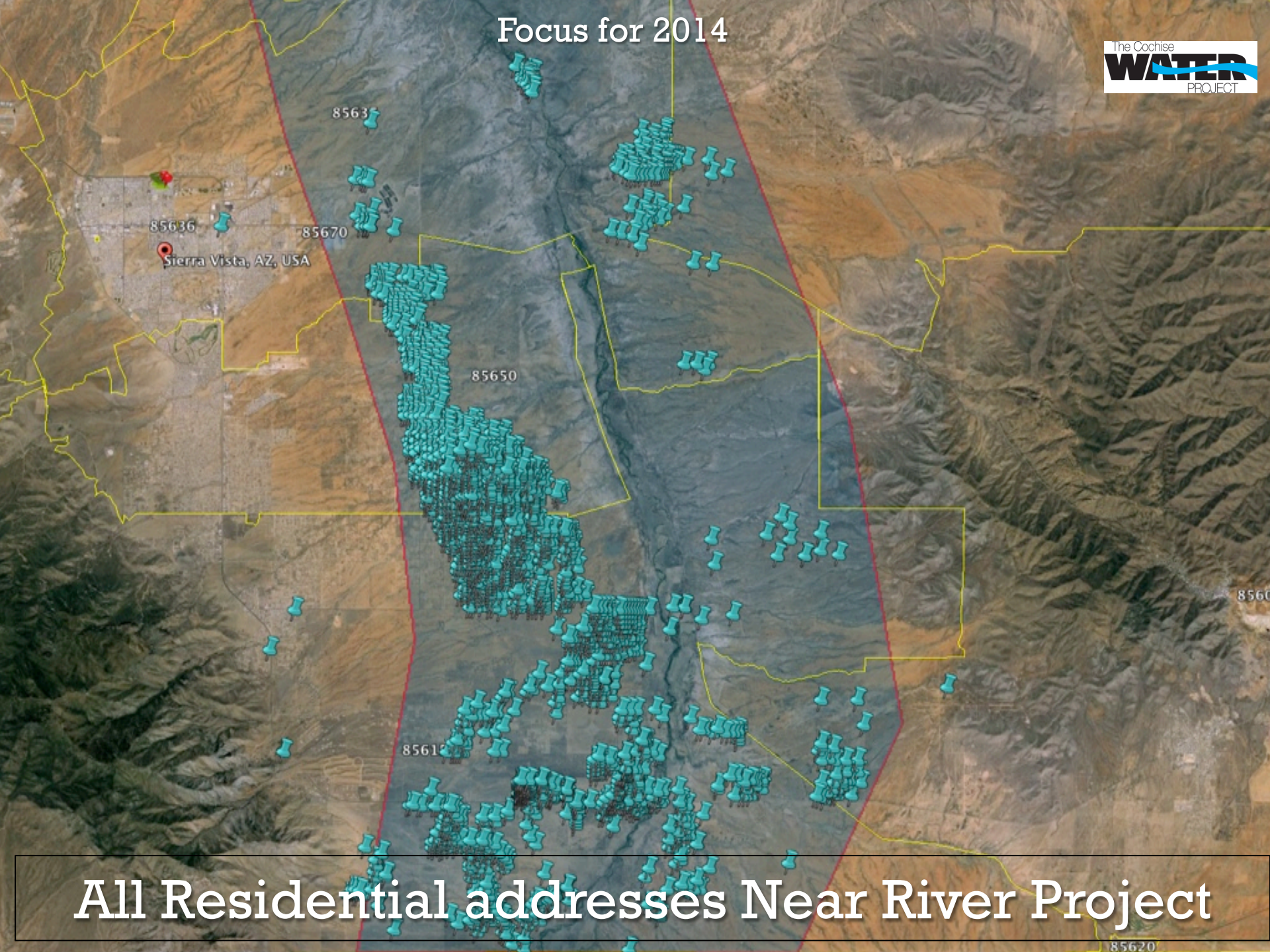


2014 Area of Interest (Near River Project)

2013 Lesson Learned

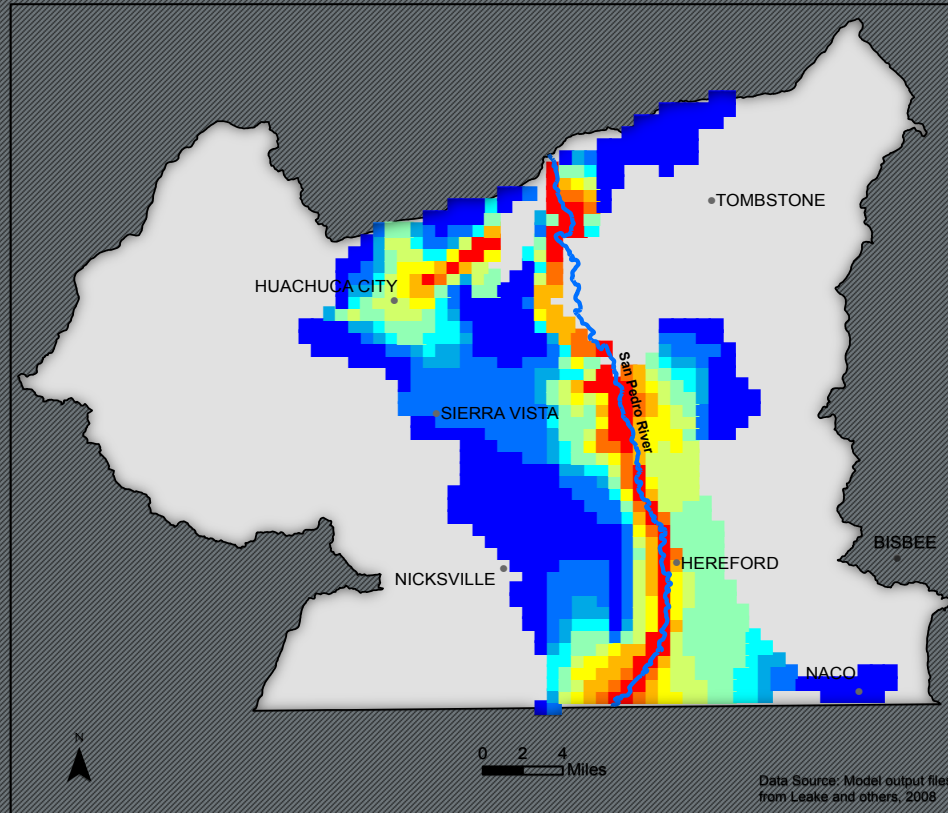


Focus for 2014



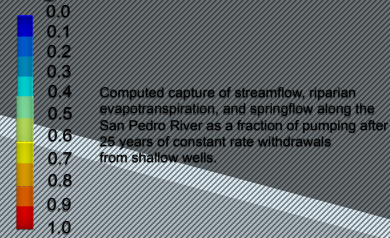
All Residential addresses Near River Project

Figure 5
Simulated Ground-water Capture Zones in the
Sierra Vista Subwatershed



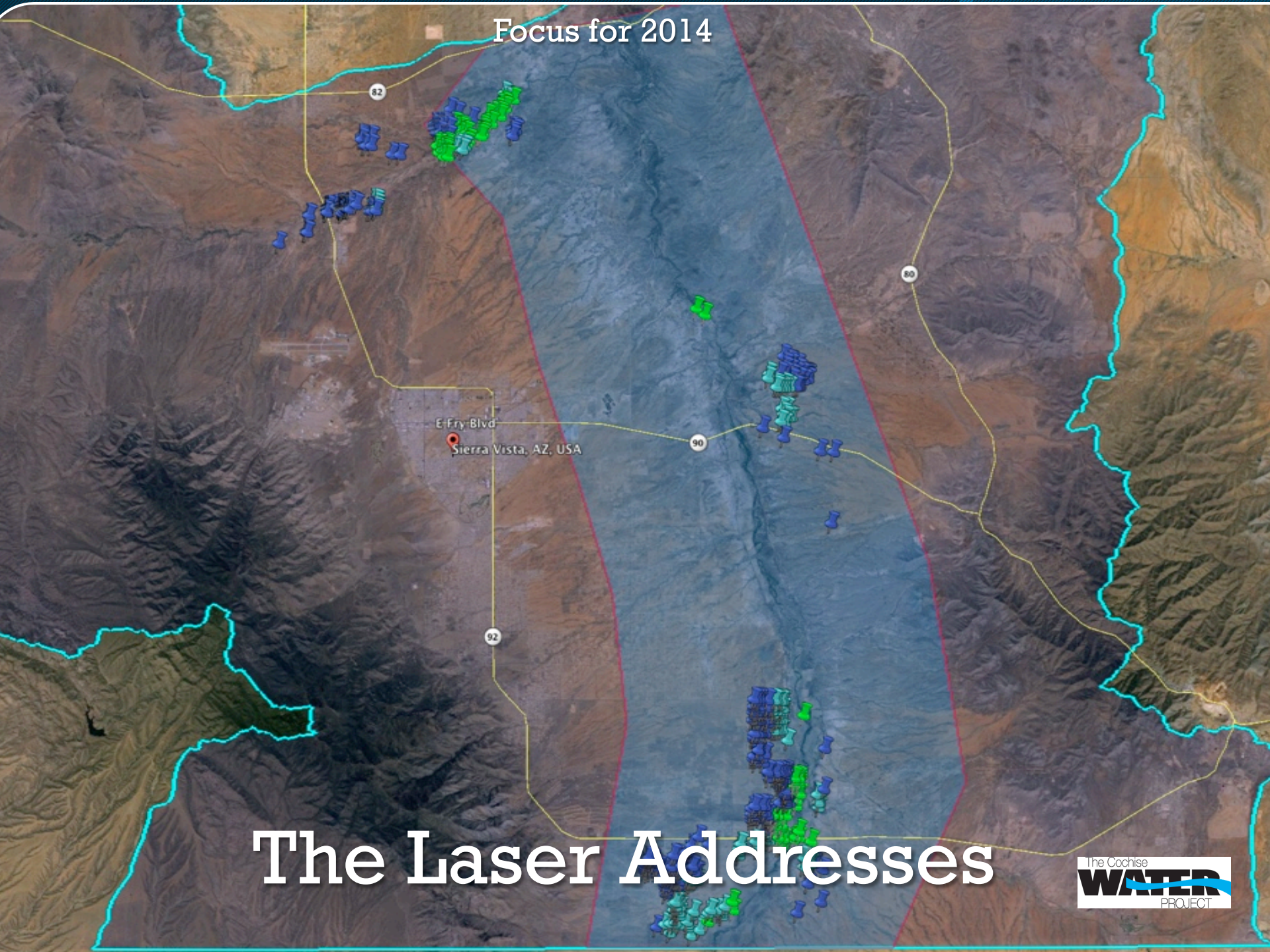
Data Source: Model output files from Leake and others, 2008

Legend

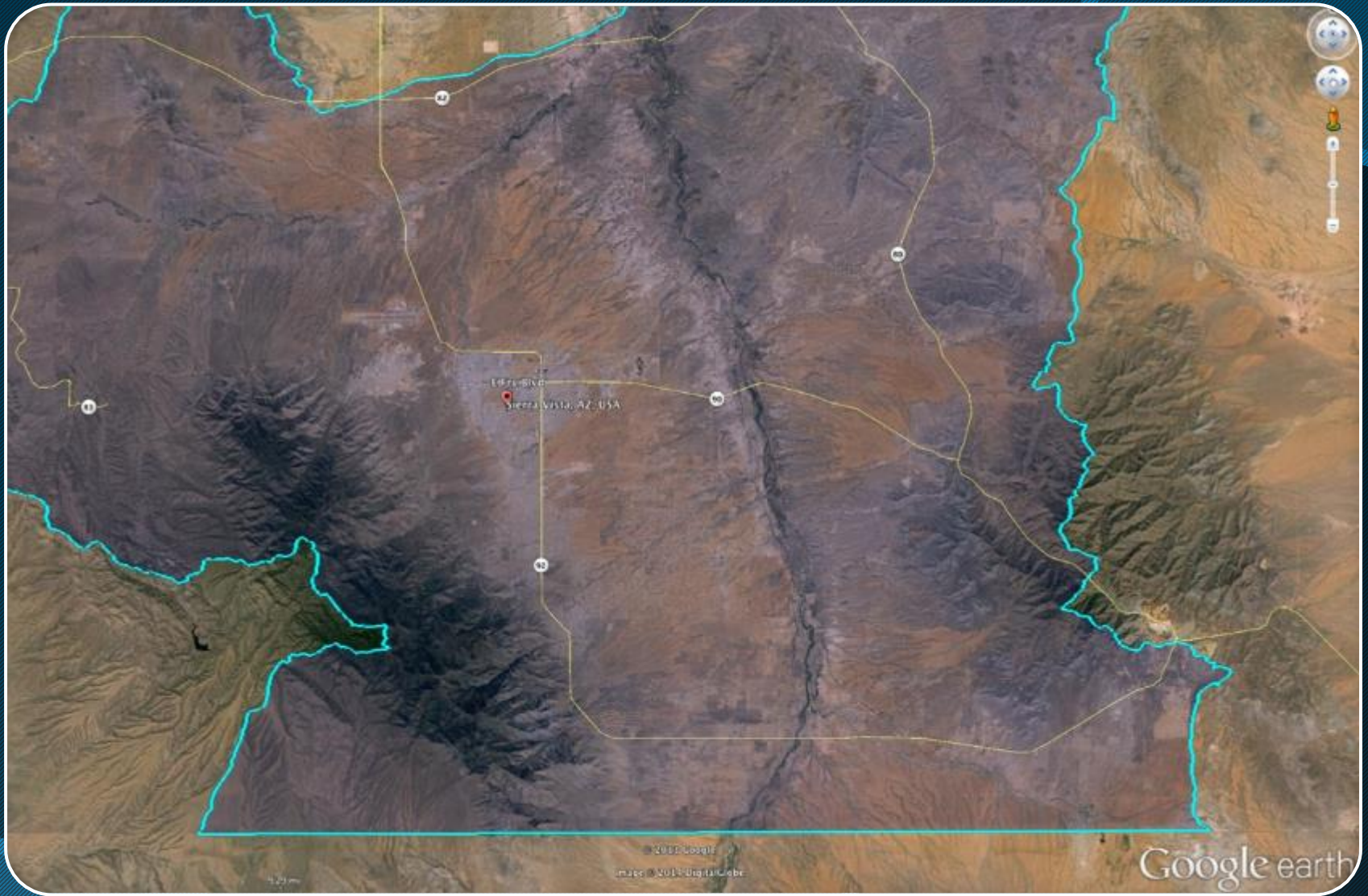


2014 Laser Focus

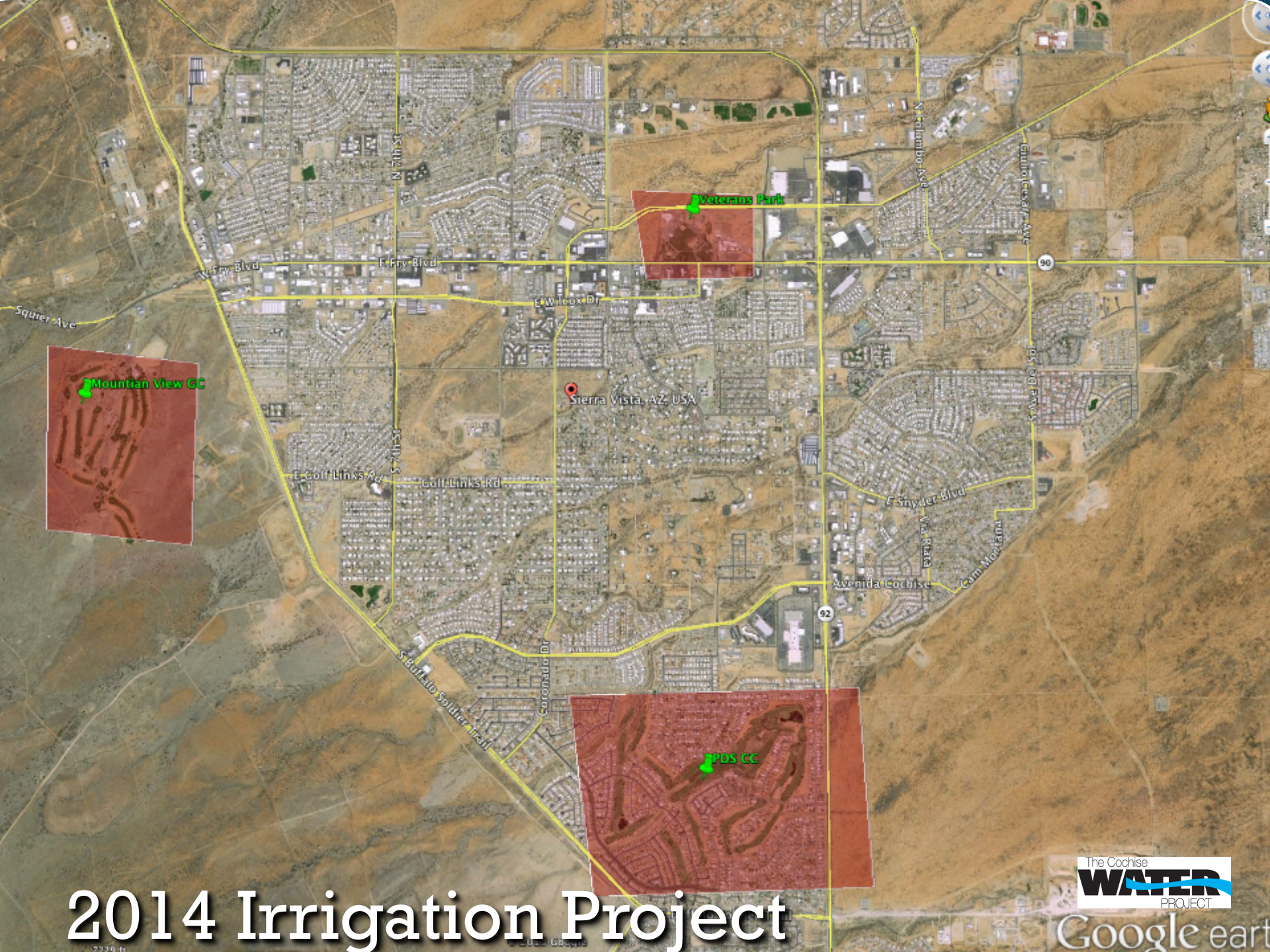
Focus for 2014



The Laser Addresses



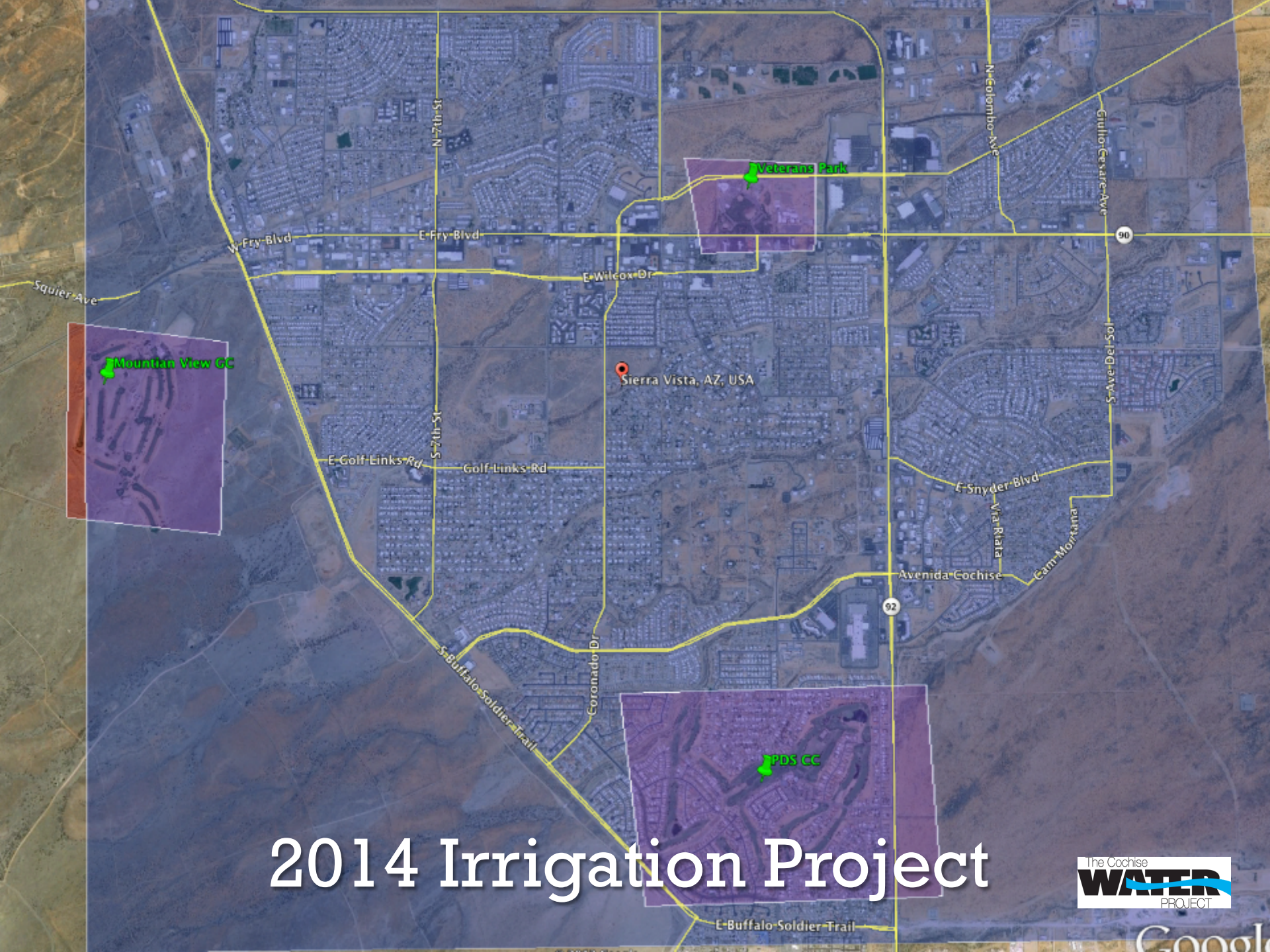
2014 Irrigation Project



2014 Irrigation Project



Google earth



2014 Irrigation Project





Project Principles

- “Skin in the game”
- “Funding Mixes”
- “Green Plumbers”

All conservation projects

(Projects for 2013; annualized gallons saved)

<u>Initiative</u>	<u>Gals/year</u>	<u>TCWP \$/gal</u>	<u>Units</u>
All	15,507,800	\$0.0235	1,049
Residential	7,973,000	\$0.0209	846
Commercial	7,535,000	\$0.0263	203

Residential conservation projects

(Projects for 2013; annualized gallons saved)

<u>Initiative</u>	<u>Gals/year</u>	<u>TCWP \$/gal</u>	<u>Units</u>
All	7,973,000	\$0.0209	846
HETs	5,740,000	0.0134	574
HET & DCP	594,500	0.0236	29
DCPs	1,040,000	0.0283	105
65 gal RWH	67,300	0.0535	45
RWH system	531,200	0.0797	93

Commercial conservation projects

(Projects for 2013; annualized gallons saved)

<u>Initiative</u>	<u>Gals/year</u>	<u>TCWP \$/gal</u>	<u>Units</u>
All	7,534,800	\$0.0263	203
Turf reduction	6,520,000	0.0080	1
Fixtures	628,200	0.0918	191
RWH	386,606	0.2283	20

TCWP costs over useful life

(UL = useful life, years)

<u>Initiative</u>	<u>(UL, range)</u>	<u>AF saved*</u>	<u>Units</u>
All	(10 – 20)	929	1,049
Residential	(17 – 20)	477	846
Commercial	(10 – 20)	453	203

TCWP cost/AF over useful lives = **\$392**

TCWP to customer cost ratio = **37%**

* AF \approx 326,000

www.thecochisewaterproject.com

- Home
- About Us
- Project Overview
- Financial Program
- Edwards/Anderson
- Site Plans
- Water Flow
- FAQs
- Site & District
- Timeline
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- Project Assistance
- Water Tips
- Contact Us
- Board of Directors



Click here to see all of our great grant rebate programs...

Our Water Our Future

Click here to start harvesting rainwater. Now! Limited offer. Save \$1000. \$1.00

Green Plumbers in Sierra Vista



From our leading Plumber, why not Green Plumber? The City of Sierra Vista is working with the Professional Association of Plumber and Mechanical Contractors to train and certify green plumbers in our area.

These professional plumbers have completed a 32-hour training program with the City of Sierra Vista. They are now offering Green Plumber services to our customers.

For more information on Green Plumber services, please call the City of Sierra Vista at 520-757-7373.



Details for Soil Conservation District in Cochise County. The Cochise Water Project is a new 20,000 gallon rainwater harvesting system to be installed at the site.

Watch a video update of the project at www.thecochisewaterproject.com

The Cochise Water Project
 1500 Paseo del Sol
 Sierra Vista, AZ 85626
 Office Phone Number:
 520-757-7373

Hours:
 Monday 12:00 to 4:00 pm
 Wednesday 12:00 to 4:00 pm
 Friday 9:00 to 4:00 pm

Contact Us



Rain Water Harvesting Grants from the City of Sierra Vista

On July 1st the City of Sierra Vista is offering grants to our customers to help them install rainwater harvesting systems. The grants are available to our customers who are installing a new rainwater harvesting system. The grants are available to our customers who are installing a new rainwater harvesting system. The grants are available to our customers who are installing a new rainwater harvesting system.



Rainwater Harvesting comes to local middle school

The Cochise Water Project is proud to announce that the Sierra Vista Middle School is now installing a 1500 gallon rainwater harvesting system in the school.

Home Office for The Cochise Water Project



Sierra Vista High School Rainwater Harvesting System

Rainwater Harvesting with local businesses



ACE Hardware and I have been successful in installing a rainwater harvesting system in our store. We are now using the system to water our plants.

Click here to see how your system can help you save money.

Water Use It Right

Water Use It Right

Water Use It Right

Water Use It Right



Green samples from the Green Reservoir Site

Water Use It Right



www.facebook.com/TheCochiseWaterProject



Outreach Programs



*Rainwater Harvesting Class at ACE
and Lowe's with over 300 trained in
classes*

Training and Education



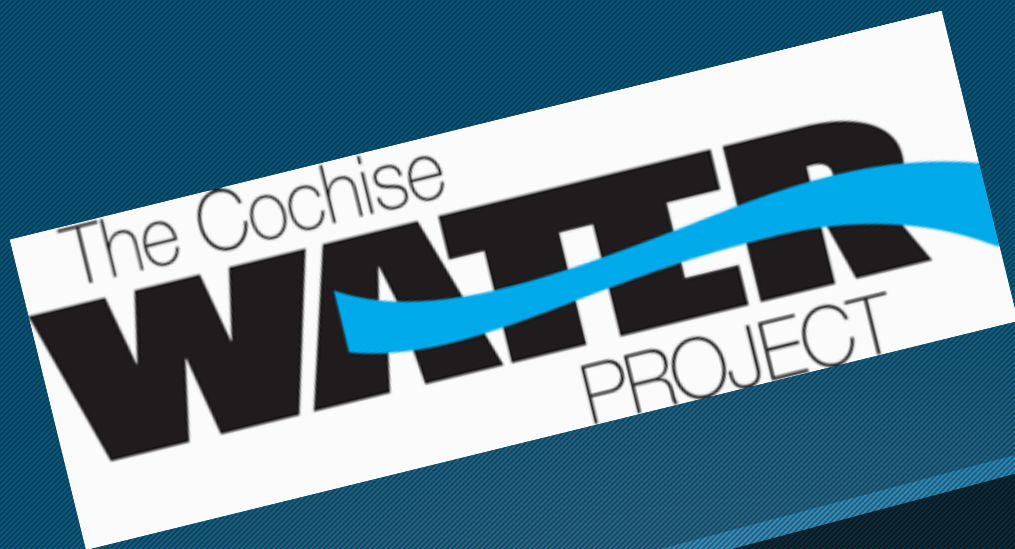
Green Plumber training at Cochise
College 2012

Training and Education



- **Provide rebates and “they will come”**
- **Remove impediments to action**
- **use Green Plumbers**
- **Focused marketing**
- **Be aware of gamers**
- **Be flexible and have fun**

**Lessons
Learned**



**The Cochise
Water Project**
Do Your Part, Be Water Smart.