# This presentation premiered at WaterSmart Innovations

watersmartinnovations.com



education

design transformation



**October 7, 2015** 

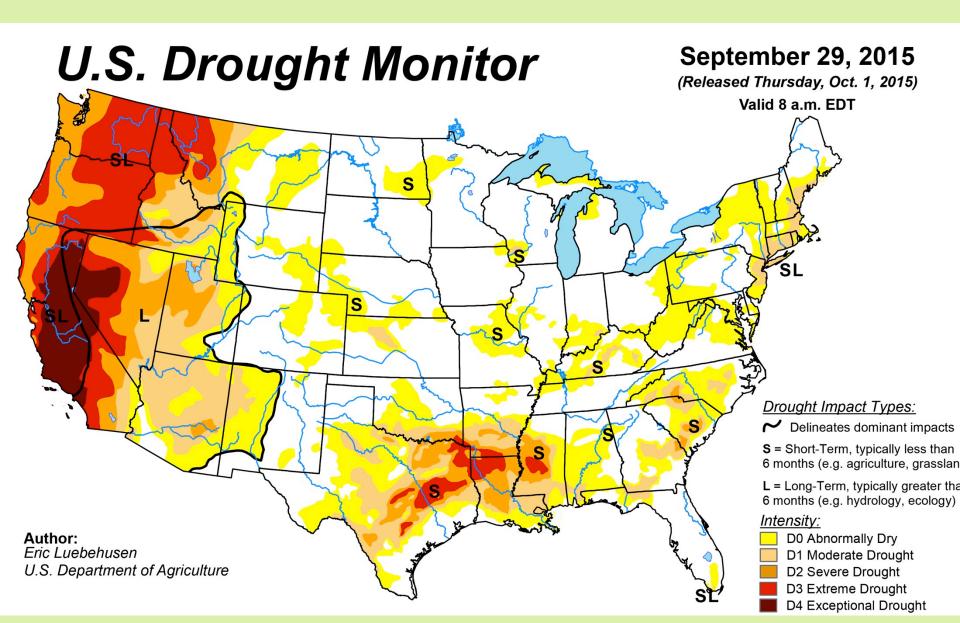
WaterSmart Innovations 2015

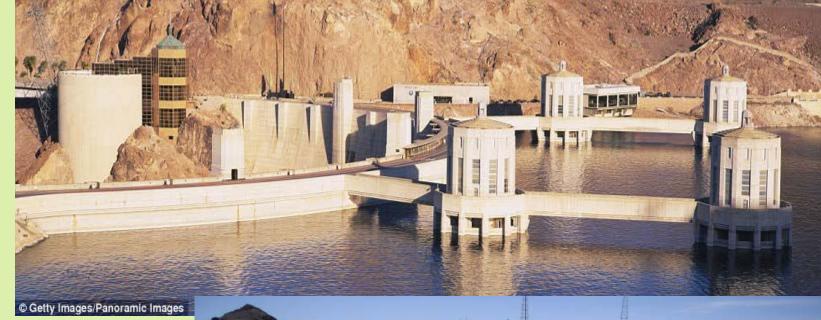
**BUSTING DROUGHT WITH GREEN WATER ABUNDANCE** 

## Sometimes I Feel Like This When I Speak To Water Supply Agencies



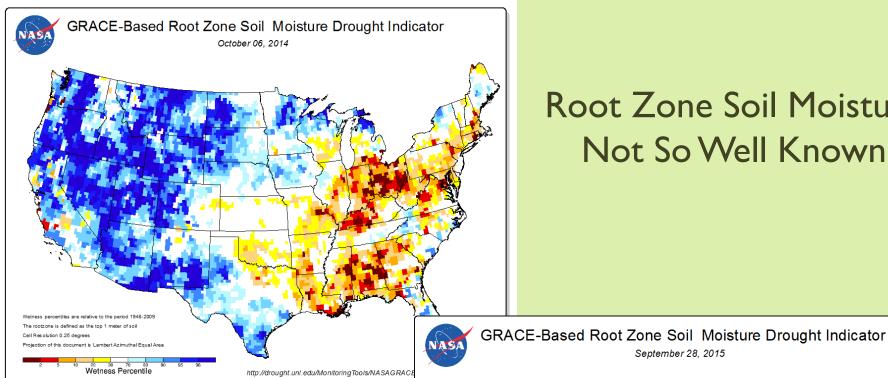
#### A Great Deal of Our Country Faces Drought Conditions





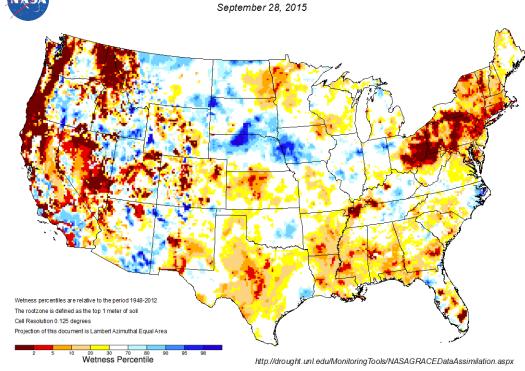
Some Images of Drought Are Well Known (Lake Mead 1983 – 2015)

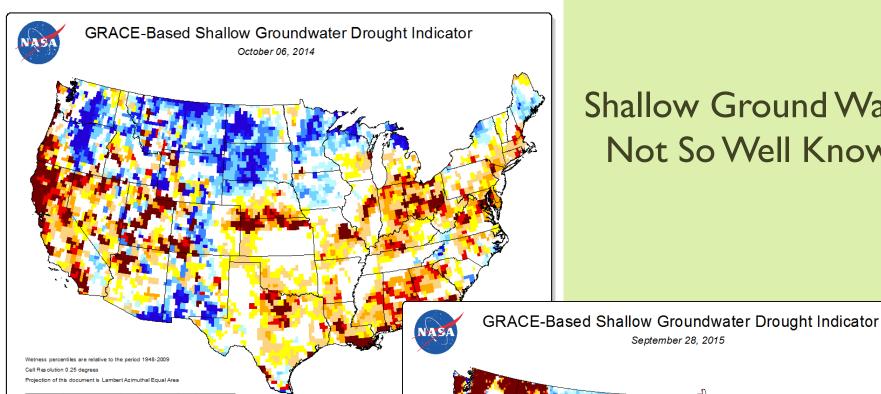




#### Root Zone Soil Moisture Not So Well Known

2014 - 2015



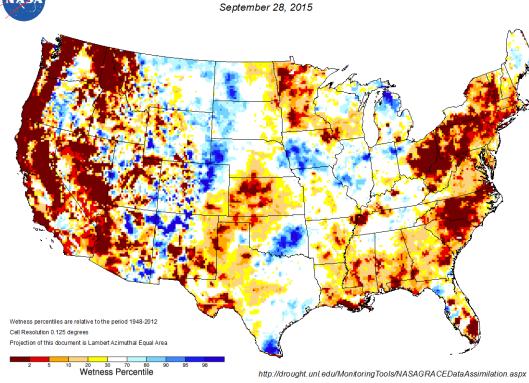


http://drought.unl.edu/MonitoringTools

#### Shallow Ground Water Not So Well Known

2014 - 2015

Wetness Percentile



#### These Images Show The Death of the Soil



#### Now We Have Hydrophobic Conditions





#### Green Water?

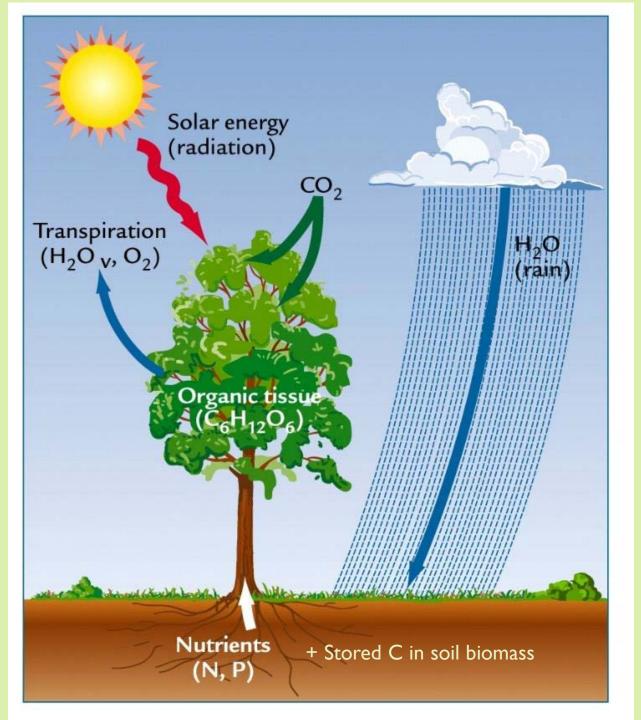


#### Green Water: Water Stored In Soil Root Zone



#### Plant Root Zone Is Where The Soil Party Is Happening!





Photosynthesis
Drives The
Carbon Cycle

#### Living Soil = Oxygen, Water, Life + Carbon



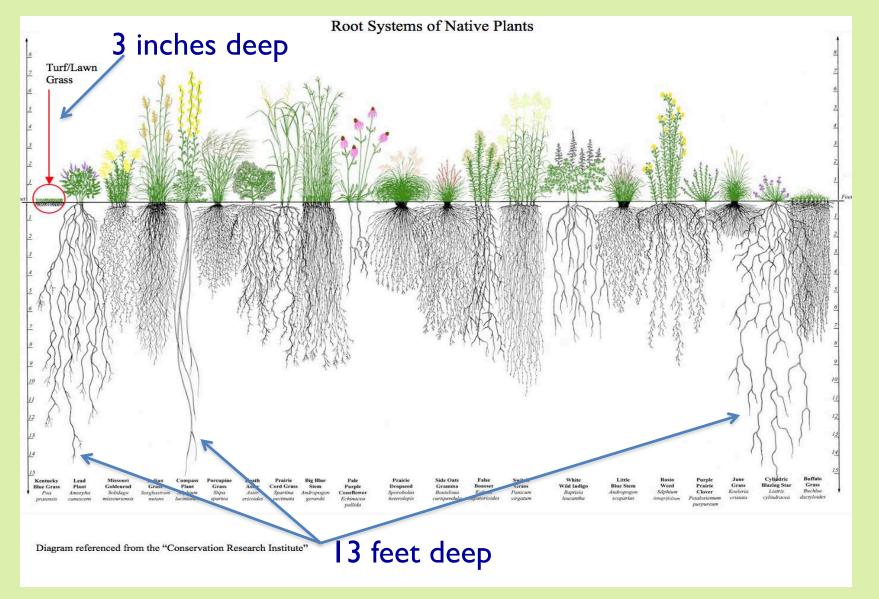
#### Living Soil + Plants Make Green Water



The Green Water Zone Is

A Giant Carbon-Based Sponge

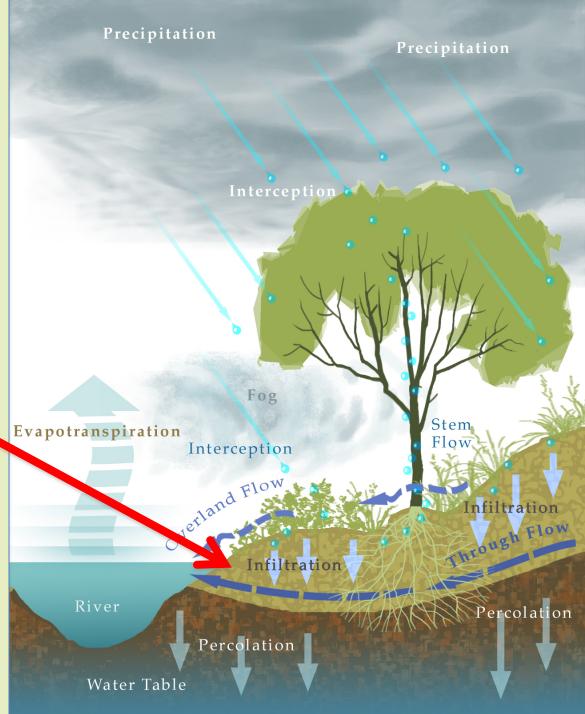
### Green Water Zones Are Bigger Than You Think (With The Right Climate-appropriate Plants)



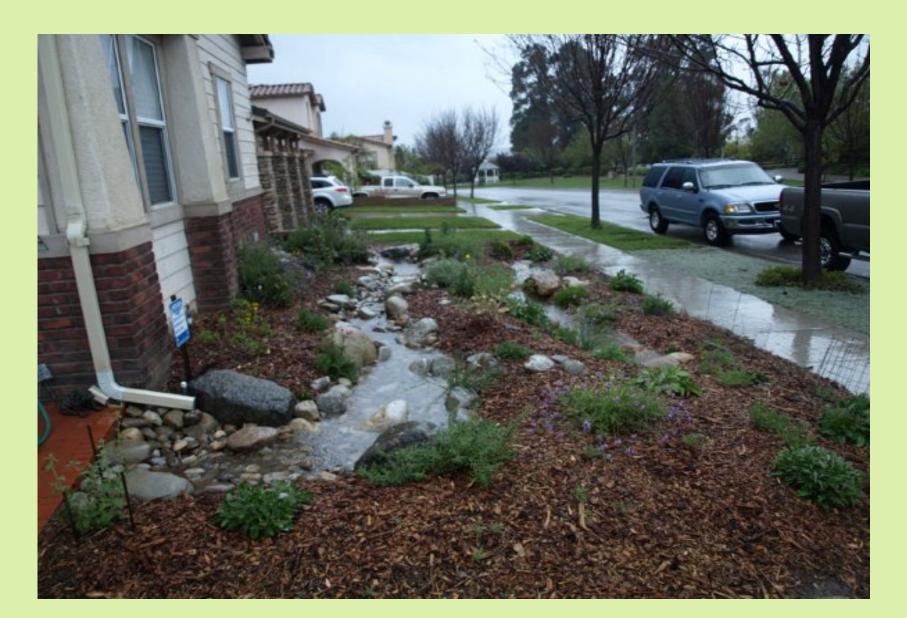
## Living Soil Sponge Busts Drought



Green Water
Keeps the
Water Cycle Spinning



#### The ONLY Way to Prime This Cycle Is With Rainwater



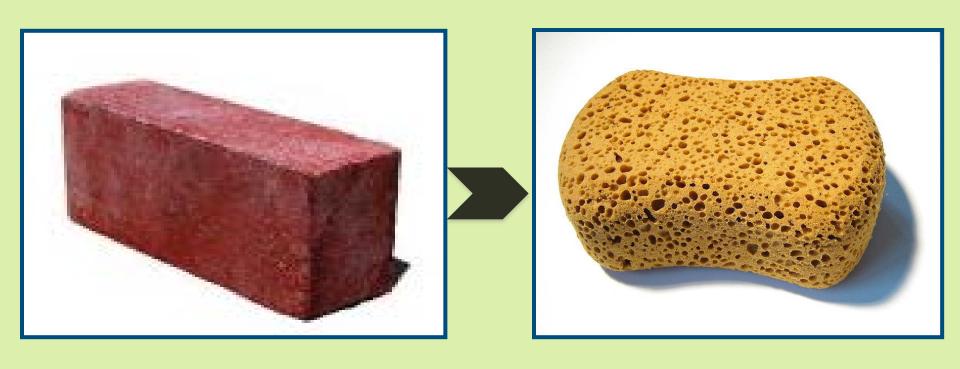
### What If Green Water Turned Landscapes Into Water Suppliers Instead of Water Users?



#### Would That Give You More Local Water To Sell?



# Do Your Landscape Policies and Programs Support Green Water?



#### Do You Rebate Removing This?



#### Without Requiring This?



#### Do You Promote Using These?







#### Without Promoting This?



#### What's The Problem Here?



#### Gravel Mulch – Makes Green Water: Yes or No?



#### Weed Barrier – Makes Green Water: Yes or No?



#### Synthetic Turf – Makes Green Water: Yes or No?



#### Turn Off Irrigation – Makes Green Water: Yes or No?



### Decomposed Granite – Makes Green Water: Yes or No?





# Make Green Water With Compost/Living Mulch, Plants & Rainwater

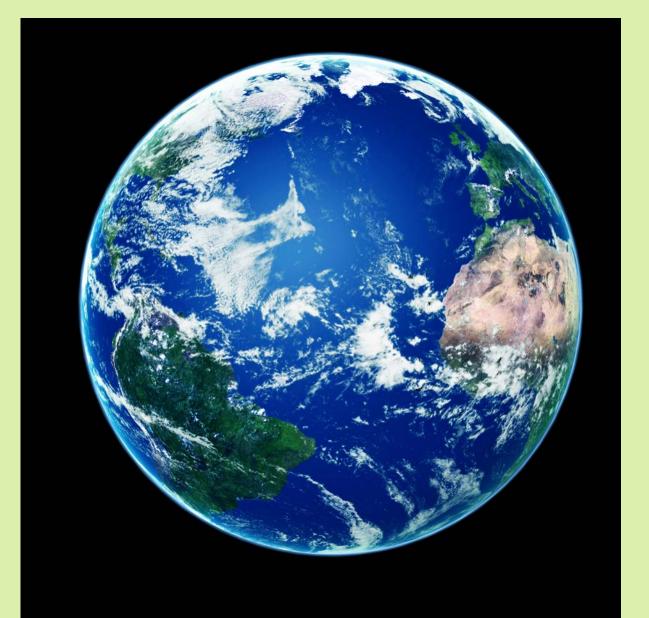




COMPOST/MULCH + PLANTS + RAINWATER



#### Green Water For A Blue Planet



#### Learn More About Green Water And Living Soil



### SOIL IN THE CITY 2.0

**Urbansoil.org** 



September 2016 Los Angeles, CA

#### Watershed Wise Landscape Professionals



### to Transform the Landscape



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