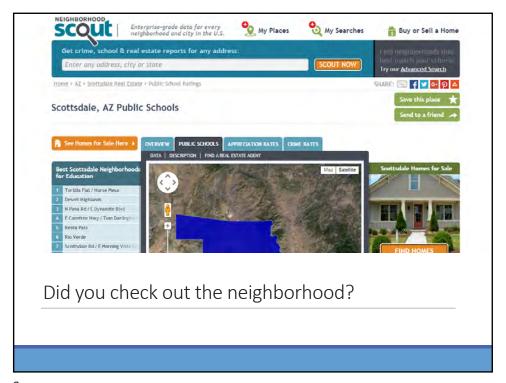




What tools did you use to choose where to live?

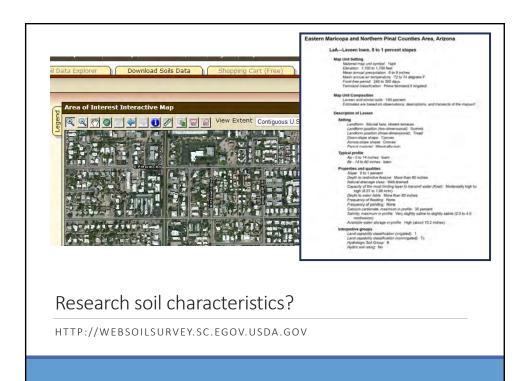






Did you consider curb appeal?

5

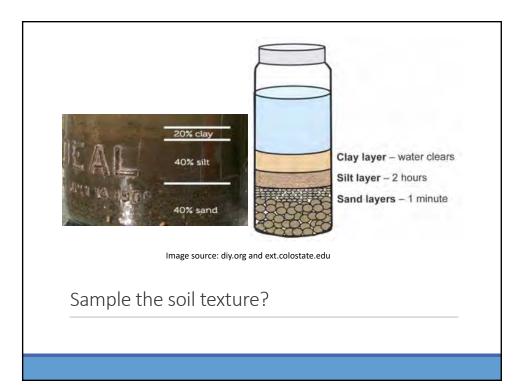






Conduct a percolation test to measure drainage?

7



This man did!



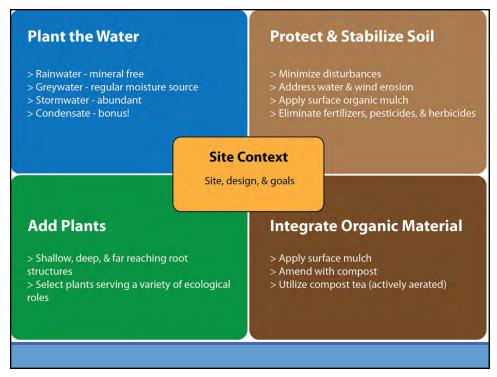
Unfortunately, I did not either...

However, there is hope to invest in your soil and begin the transformation as I did.















Our typical starting point: Hot or flooded Lack of integration with water and landscape resources...

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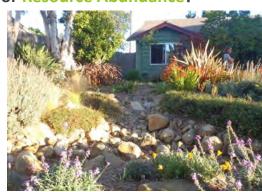


...and soil degrading maintenance practices

A choice:

Resource Scarcity? or Resource Abundance?





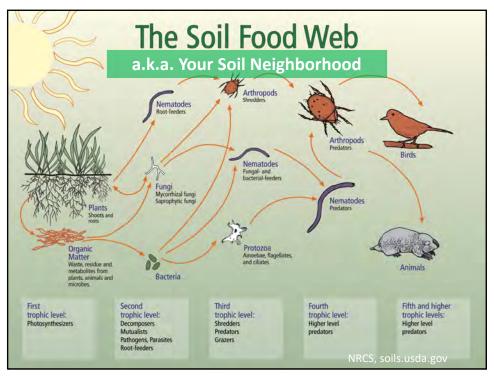
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What resources do you produce to build your soil fertility?



List your resources	:
---------------------	---

- 1. _____
- 3.
- 4.
- 6.
- 7.
- 9.
 - 10. _____



Let's Set the Healthy Soil Stage!

So, we live in a desert.

There is not enough water. Right?

WRONG!

Each 1000sq.ft of roof area = 4,800 gal/year





Distribute Greywater in Coordination with your Passive Earthworks





Infiltration chambers used for sub-surface kitchen sink greywater discharge



Why do we continue to let runoff be a problem?

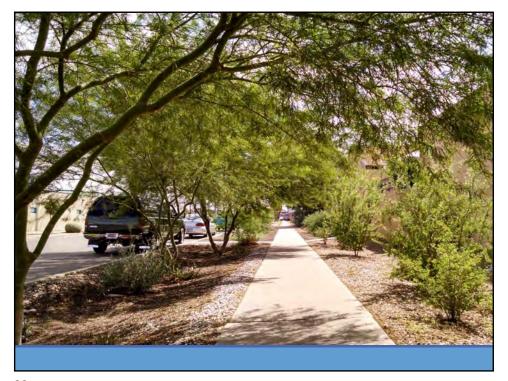




Soil critters and native plants LOVE stormwater

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Let's Set the Healthy Soil Stage!

So, we live in a desert.

Deserts have limited organic material. And, organic mulch does not benefit native plants. Right?

WRONG!

People concentrate organic waste resources and even produce organic resources.

Native plants in undisturbed desert areas produce their own mulch.

















Food scraps and smaller plant trimmings:

- Can provide residential needs for soil compost amendments
- Average person generates ~1.35 pounds of organic waste per day. That equals ~500 pounds per person every year!

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Backyard compost pile integrated into chicken coop

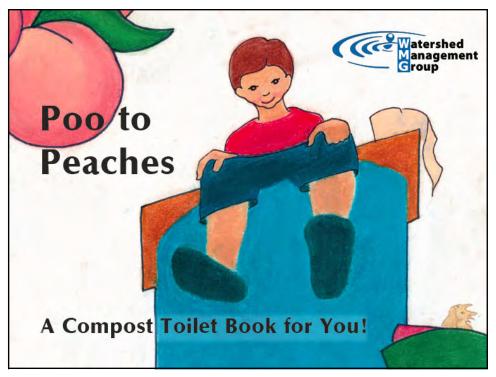


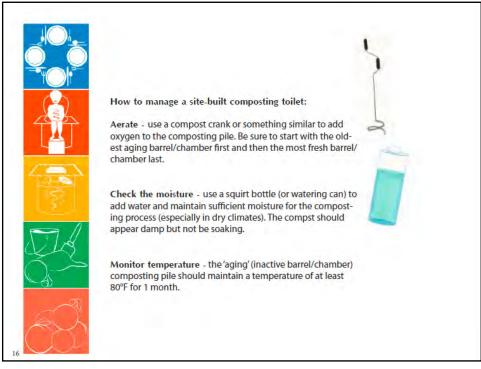












Guide to Healthy Desert Soils

- 1. Observe landscape and site interactions regarding use, water flow, and soil
- 2. Promote infiltration and absorption of water
- 3. Integrate living and dead organic material
- 4. Minimize soil disturbing maintenance practices
- 5. Make appropriate use of on-site and local "waste" streams as soil building resources
- 6. Continue to promote soil building processes

Can you add any more resources to your list to build your soil fertility?



- ✓ Rainwater
- √ Greywater
- √Stormwater
- ✓ Tree trimmings
- √ Food scraps
- √ Chicken manure
- ✓ Humanure
- ✓ Earthworm manure
- **√**Urine

...And your creative capacity!

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Instructions for Project review

What Soil Resources do you have?

 Review Soil Resources List, page 1 of handout

Soil Enhancement Planning

- Handout on page 1
- Areas
- Needs
- Best practices to employ

Questions?

Watershed Management Group

www.watershedmg.org Office: 520.396.3266

Ryan Wood Design

ryan@ryanwooddesign.com

Cell: 602.618.6650

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Thank You!!!



Phoenix Green Living Co-op Project 10/12/2013