



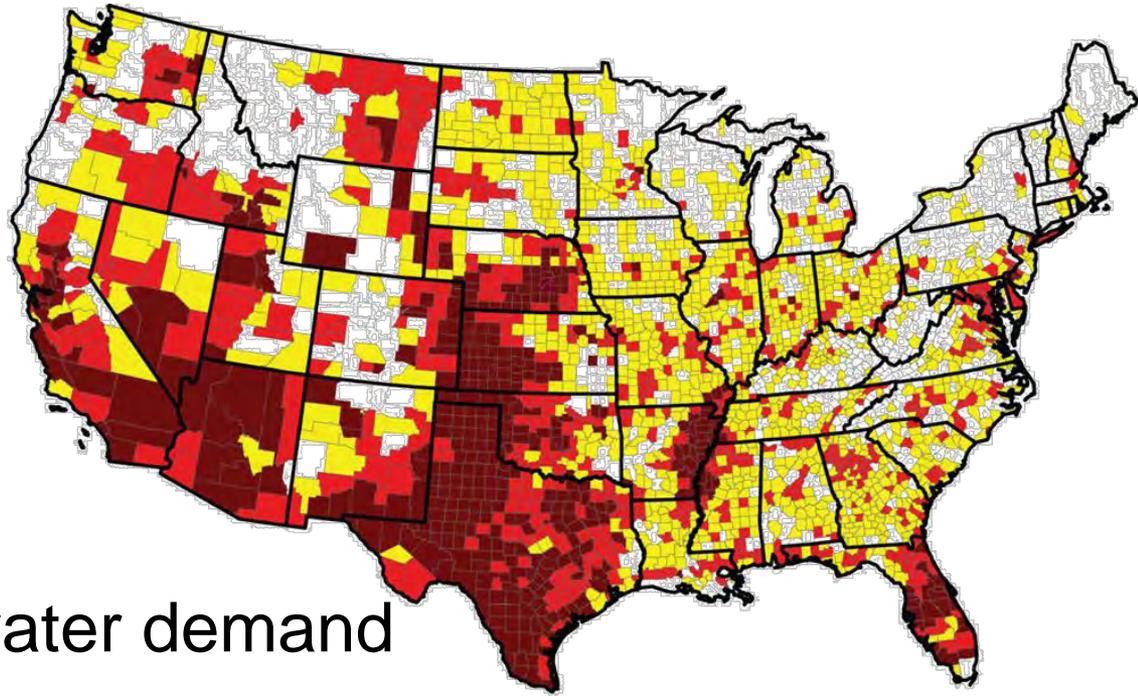
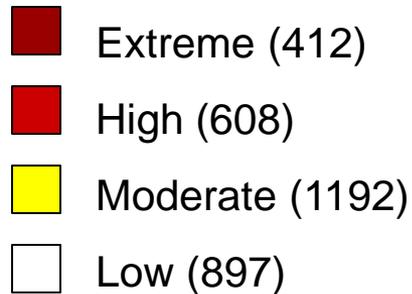
Water Reuse

Old idea...

***Or creative solution
to a global issue***

Water Sustainability Index

Counties at risk



- 1) Projected water demand
- 2) Groundwater use
- 3) Susceptibility to drought
- 4) Projected increase in freshwater withdrawals
- 5) Projected increase in summer water deficit

Areas of Water Stress in 2000

Worldwide Fresh Water Availability Today

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- Water Abundant
 - Water Concerns
 - Water Stressed
 - Water Scarce
 - Water Crisis
 - Sparsely Populated

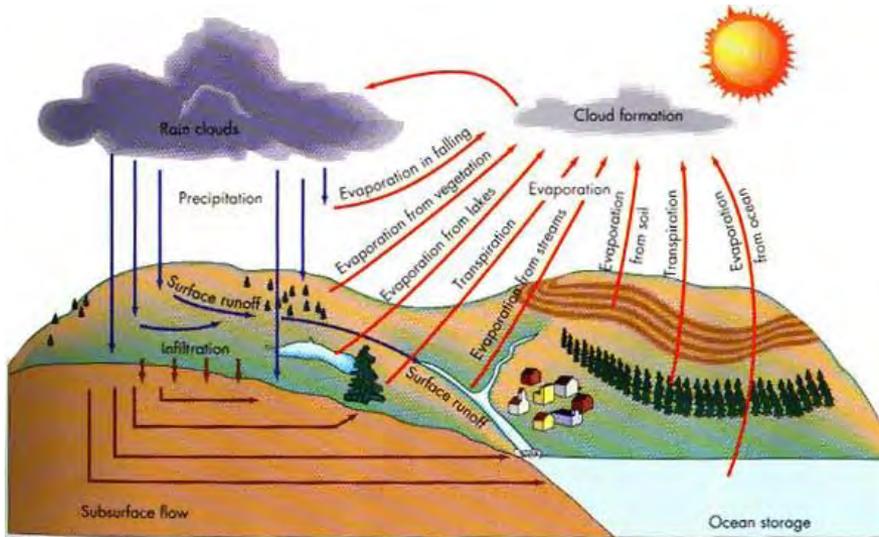
United States Filter Corporation, 1998

Impact of Direct Reuse

- 1) Dependable source
- 2) Cost effective
- 3) Improved profits
- 4) Aquifer recharge



Perspective



- 90% of reuse in 4 states
- Technology Imitates Nature
- Purity Matched to End Use
- All Water is Reused



Public Acceptance



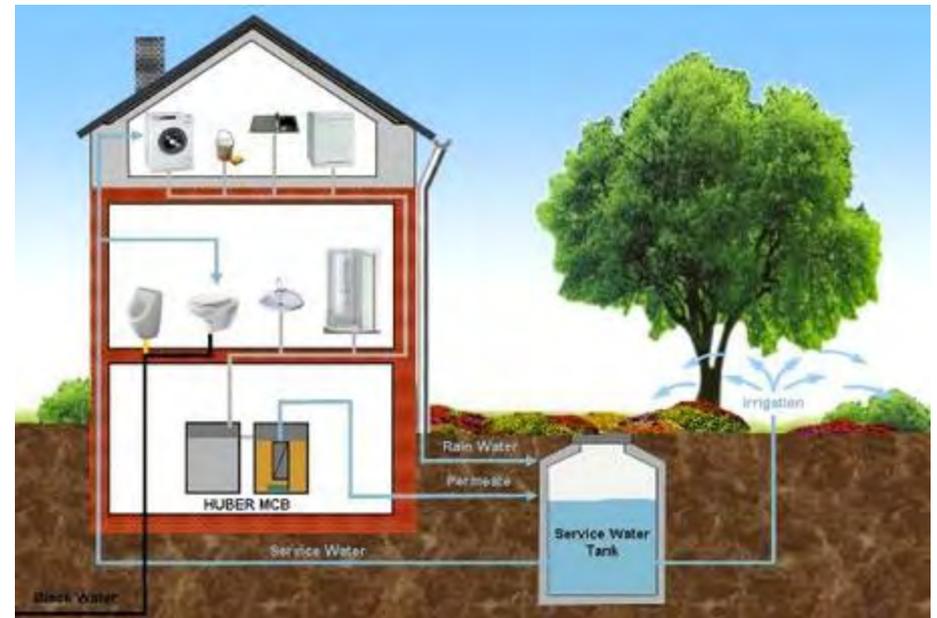
- Indirect reuse OK
- Non-potable use
- Minimal contact
- Knowledge=Acceptance
- Potable use problematic

At Home



Rain Barrels

Grey water recovery



Large Scale Success



- St. Petersburg Florida
 - Largest/oldest system in the world
- Southern California
 - 20+ crops/nursery products
- Arizona State University Research
 - No pathogenic strains detected
- Texas
 - Surface/groundwater augmentation

Reuse in Oklahoma

Oklahoma City - 1984

- Public/Private partnership
- Biosolids/irrigation
- \$60 million saved

Ft. Sill - 2010

- 7 million gallons potable water saved
- Decreased environmental footprint

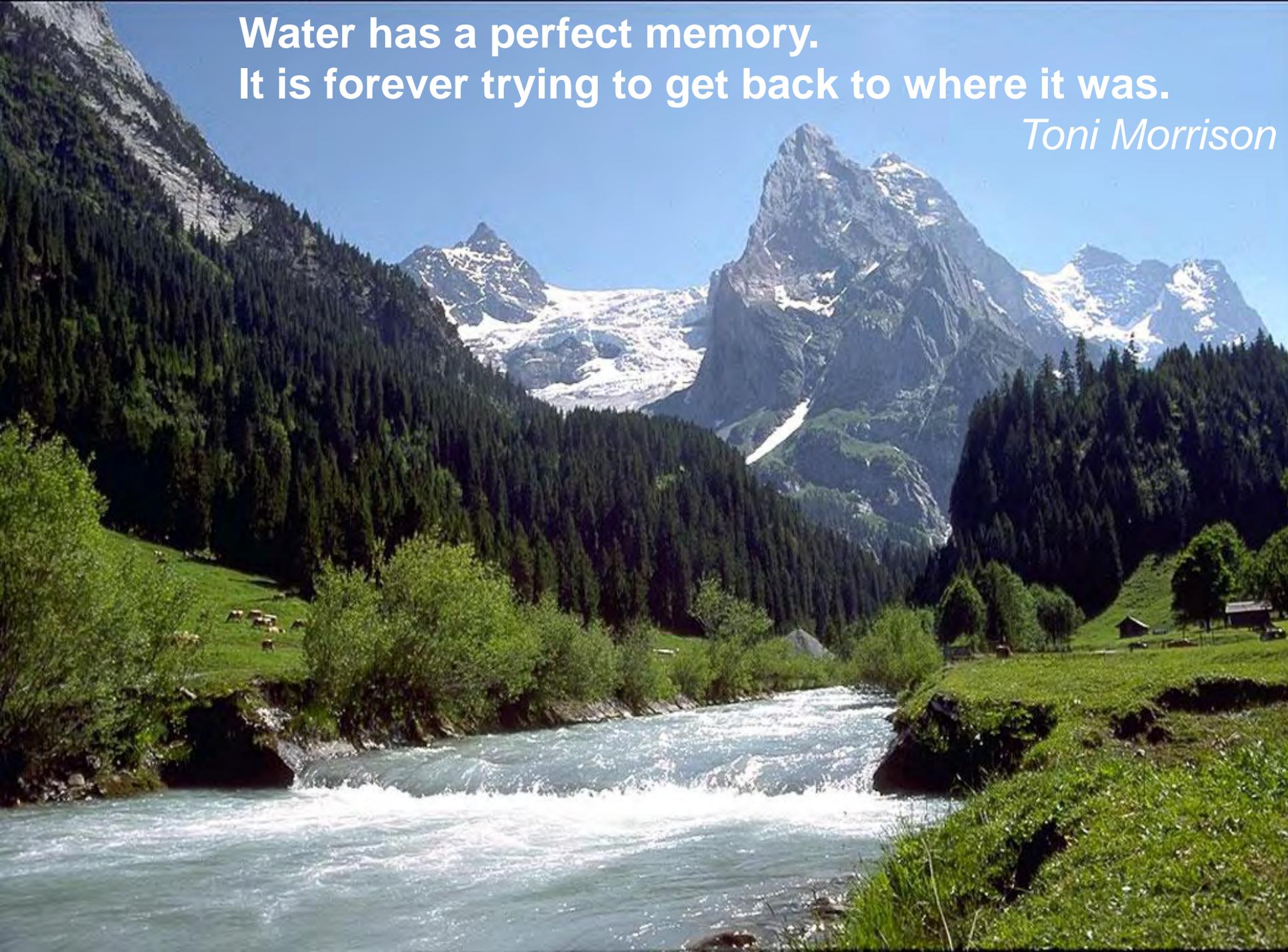


Predictions



**Water has a perfect memory.
It is forever trying to get back to where it was.**

Toni Morrison





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