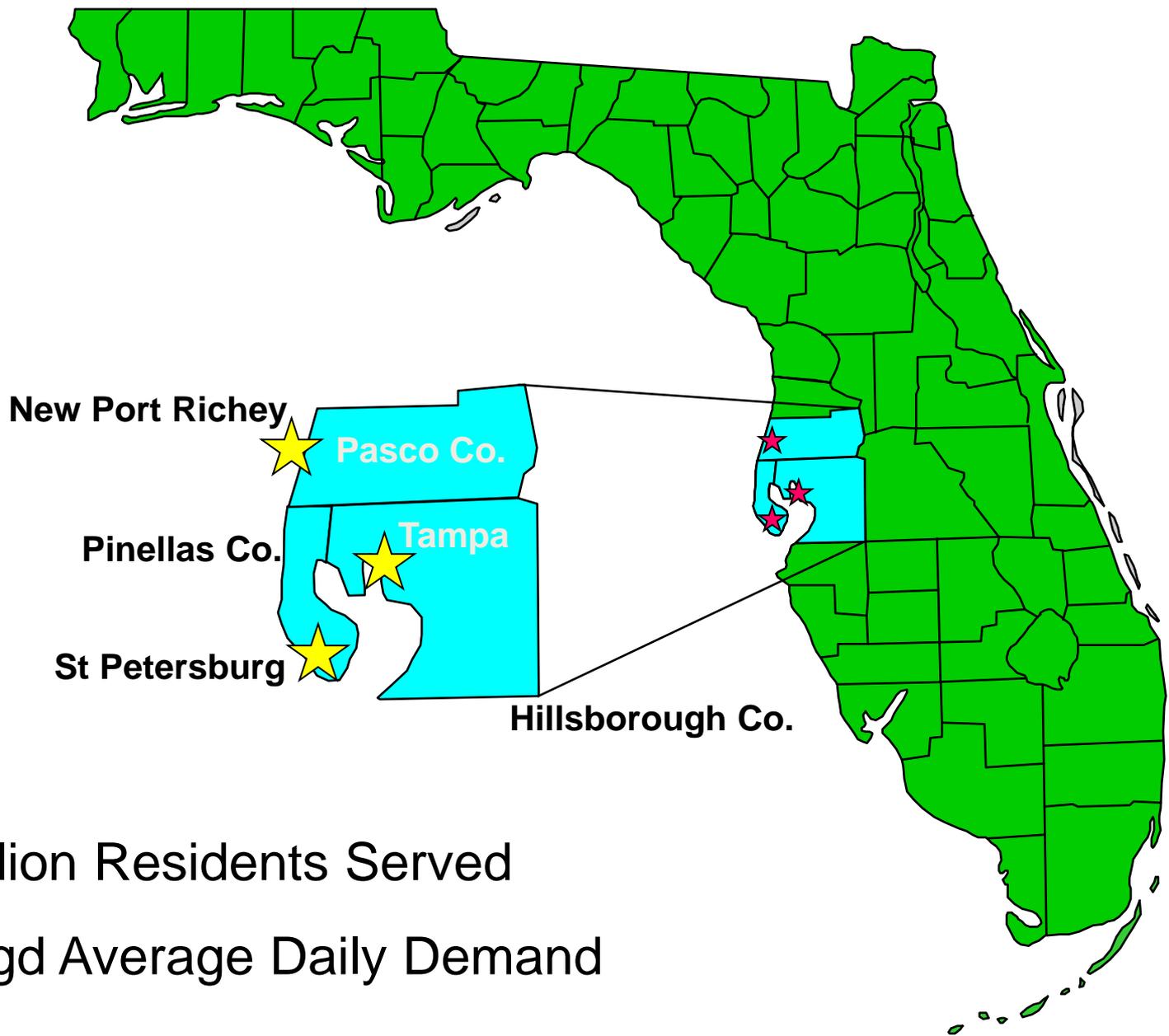


**Water Quality Update  
Overview of Regional Corrosion  
Control Practices  
Tampa Bay Regional Planning  
Council  
April 11, 2016**

# Clean, Safe Water a Priority

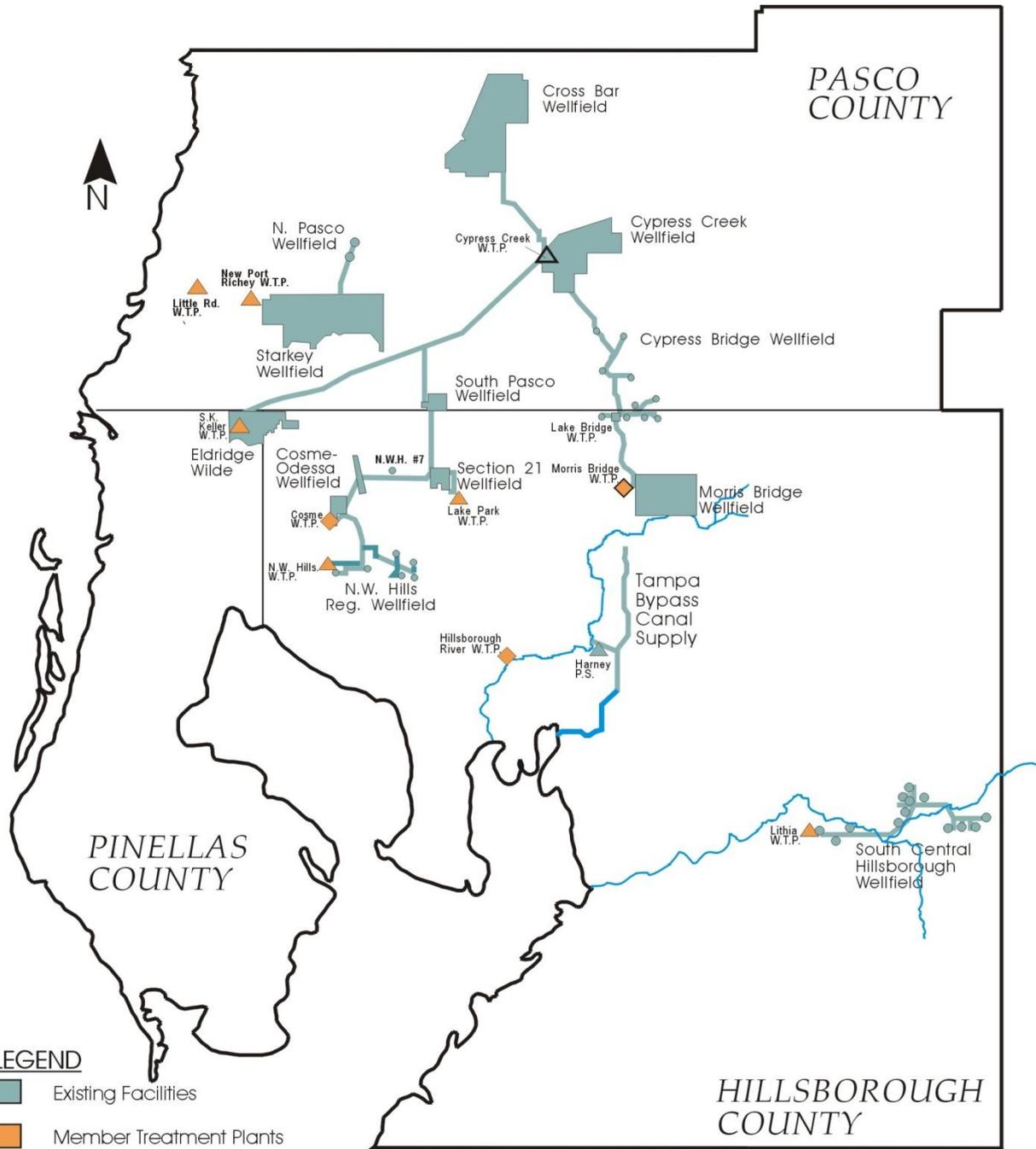
- **An obligation to protect public health**
- **If it doesn't meet standards – it doesn't leave the plant**
- **Meets or is better than local, state and federal regulations**





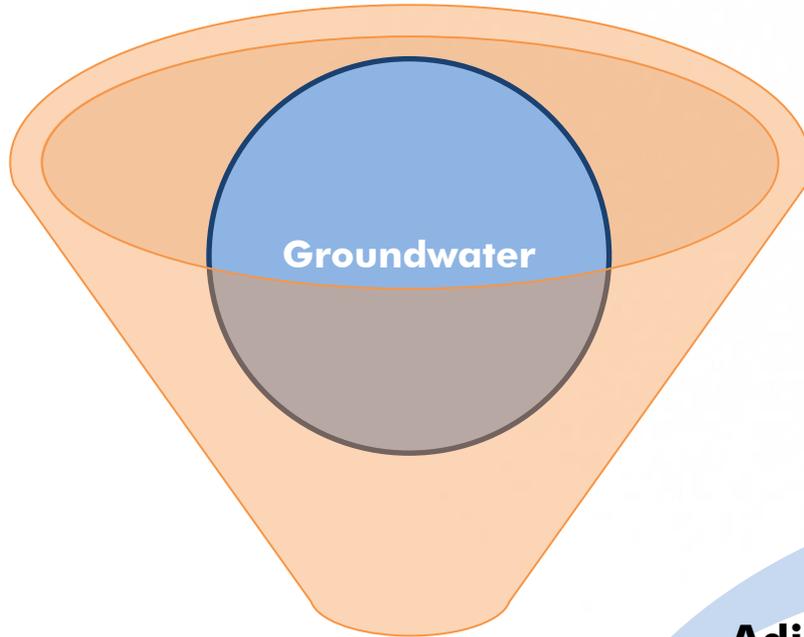
2.3 Million Residents Served

220 mgd Average Daily Demand



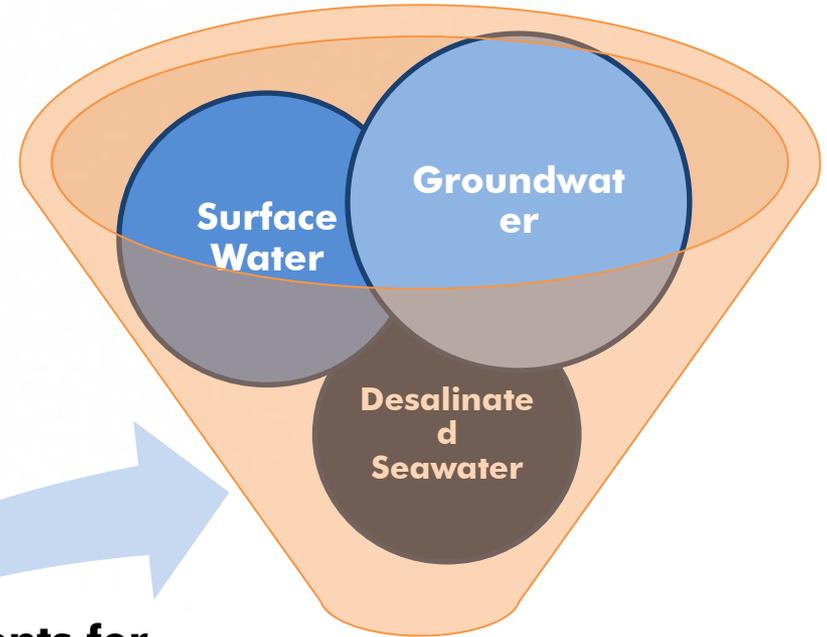
# New Sources Required Additional Treatment

**Prior to 2002**



**Clean, Safe  
Drinking Water**

**2002 - Present**

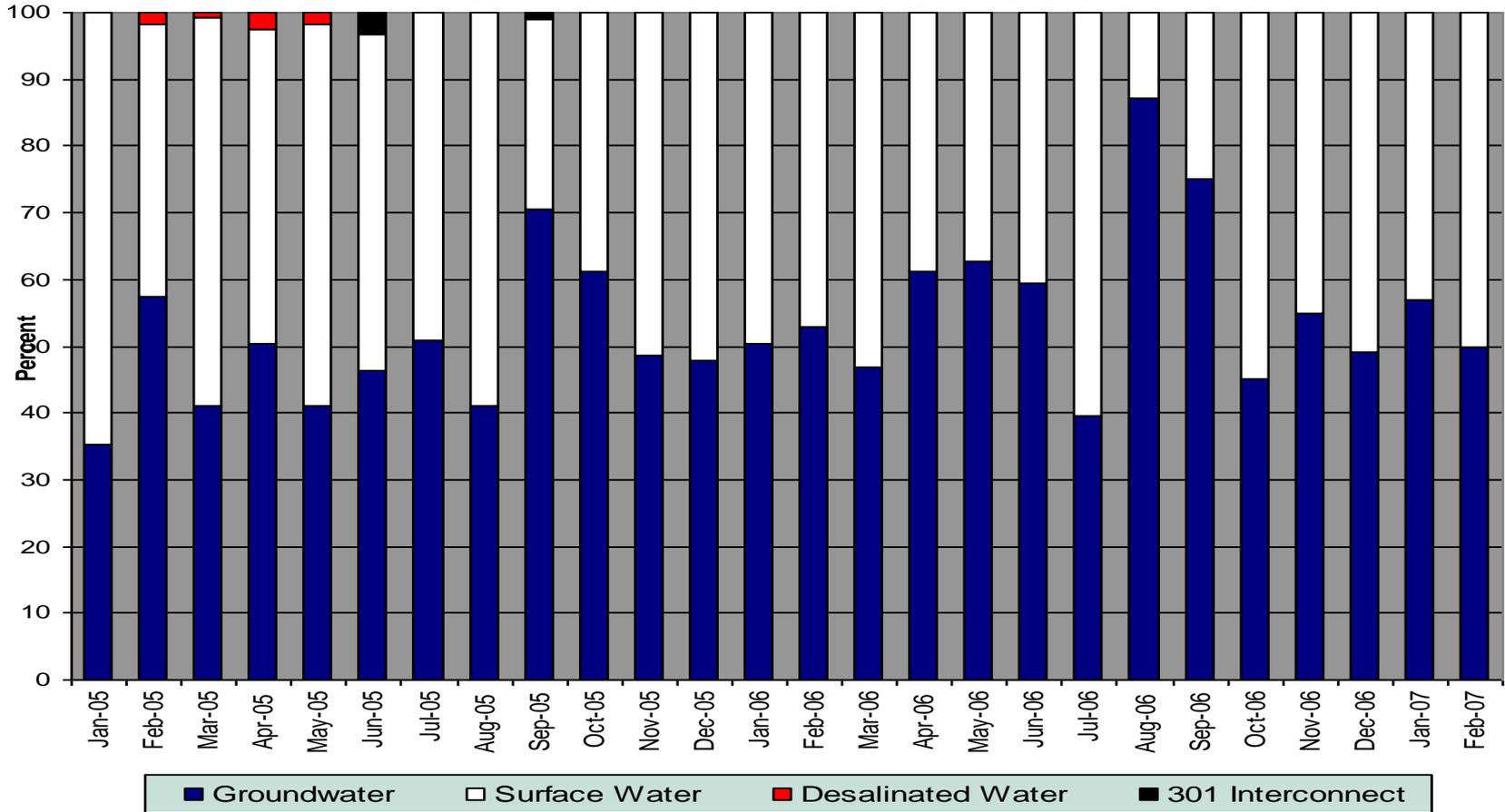


**Clean, Safe  
Drinking Water**

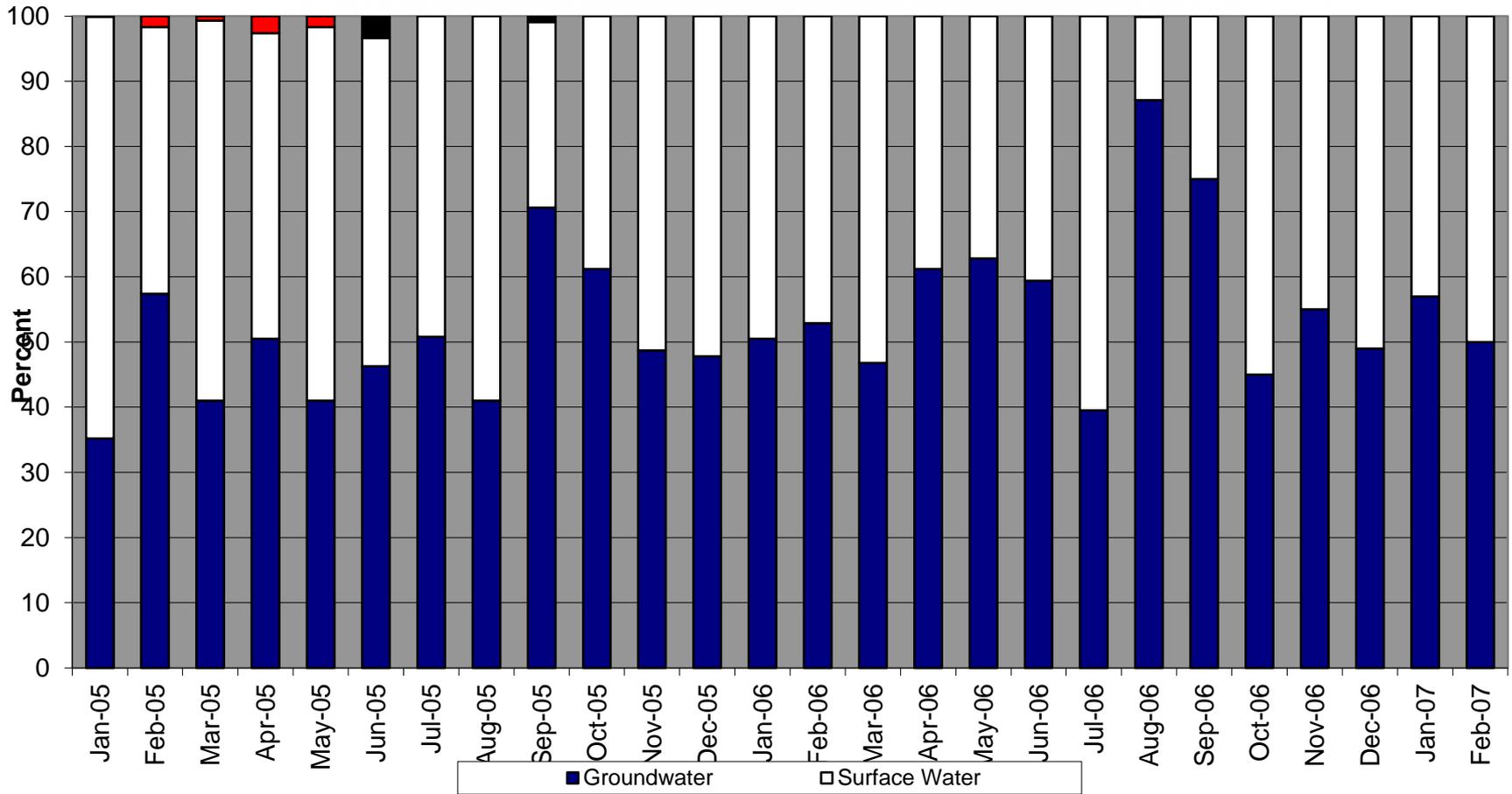
**Adjustments for  
new chemistry of  
blended water**



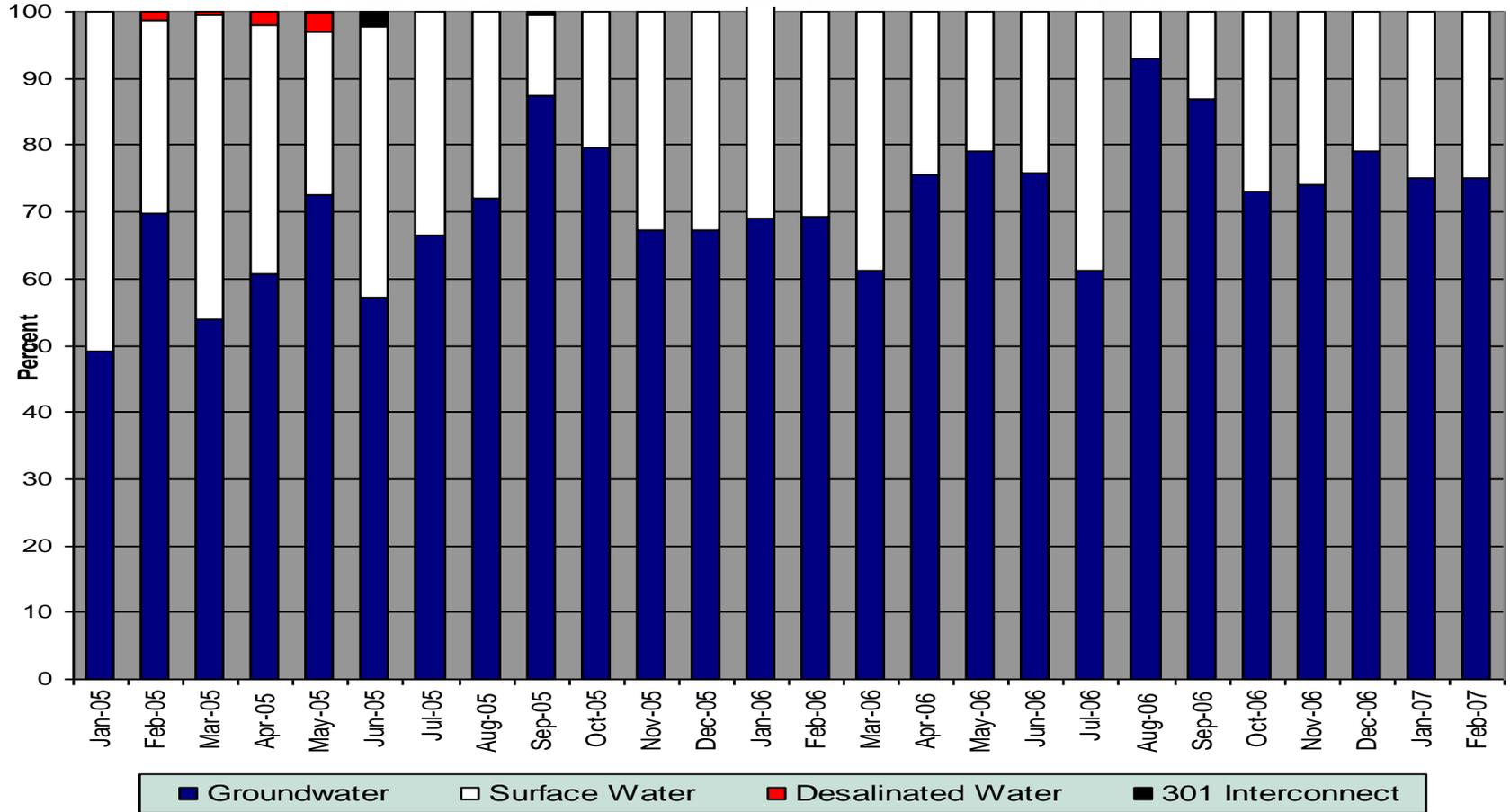
# Pinellas County Flowmeter



# Pasco 41 and Odessa POC's



# Cosme WTP POC



# Study Provides Assurance



**Alkalinity and pH Control**





# Surface Water Facility



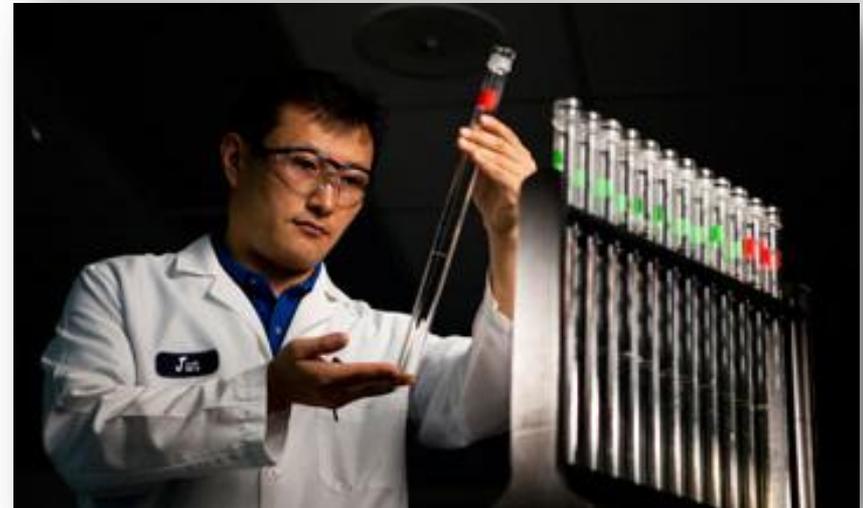
# Treatment Process Protects Public Health

- **Color and contaminant removal**
- **Disinfection with ozone**
- **Filtration**
- **More disinfection**
- **Alkalinity and pH adjustments**



# Sampling, Testing & Monitoring

- **Operations teams working together**
- **Monitoring corrosion parameters – Alkalinity and pH**
- **Finished water tested more frequently than required**



# Additional Assurances

- **State-certified Lab**
- **More than 500 monitoring sites**
- **More than 6,000 samples collected**
- **More than 60,000 water quality tests**
- **Oversight by:**



Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity  
Alkalinity

Temperature  
pH  
Conductivity  
Turbidity

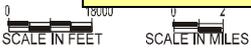
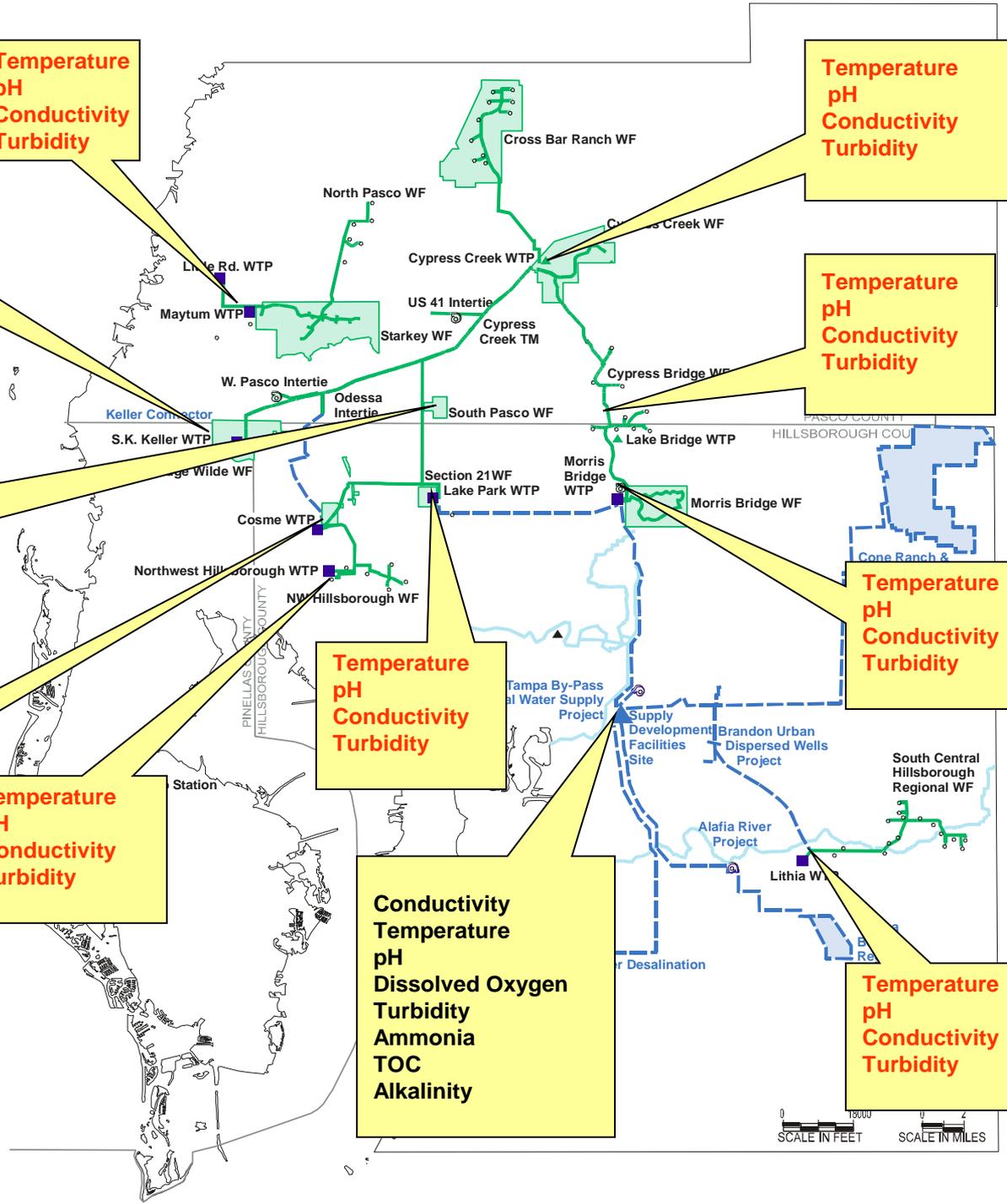
Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity

Temperature  
pH  
Conductivity  
Turbidity

Conductivity  
Temperature  
pH  
Dissolved Oxygen  
Turbidity  
Ammonia  
TOC  
Alkalinity

Temperature  
pH  
Conductivity  
Turbidity



# Lead Compliance

