

Phase III
Water Shortage Actions

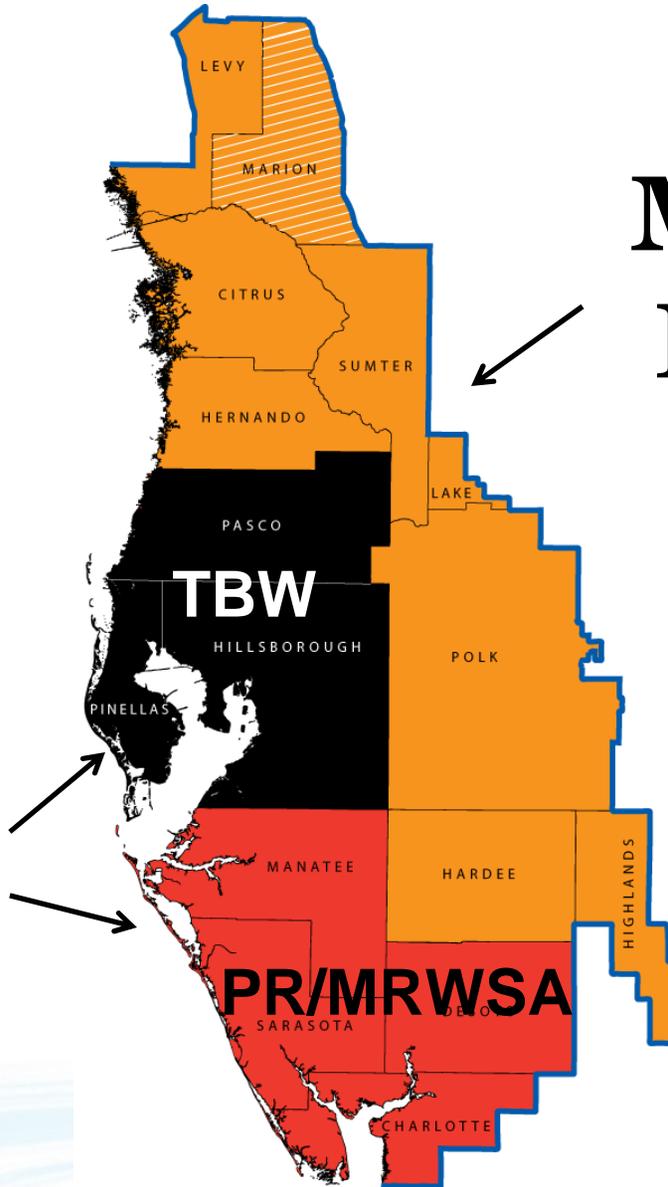
Tampa Bay
Regional Planning Council

March 9, 2009

Southwest Florida
Water Management District



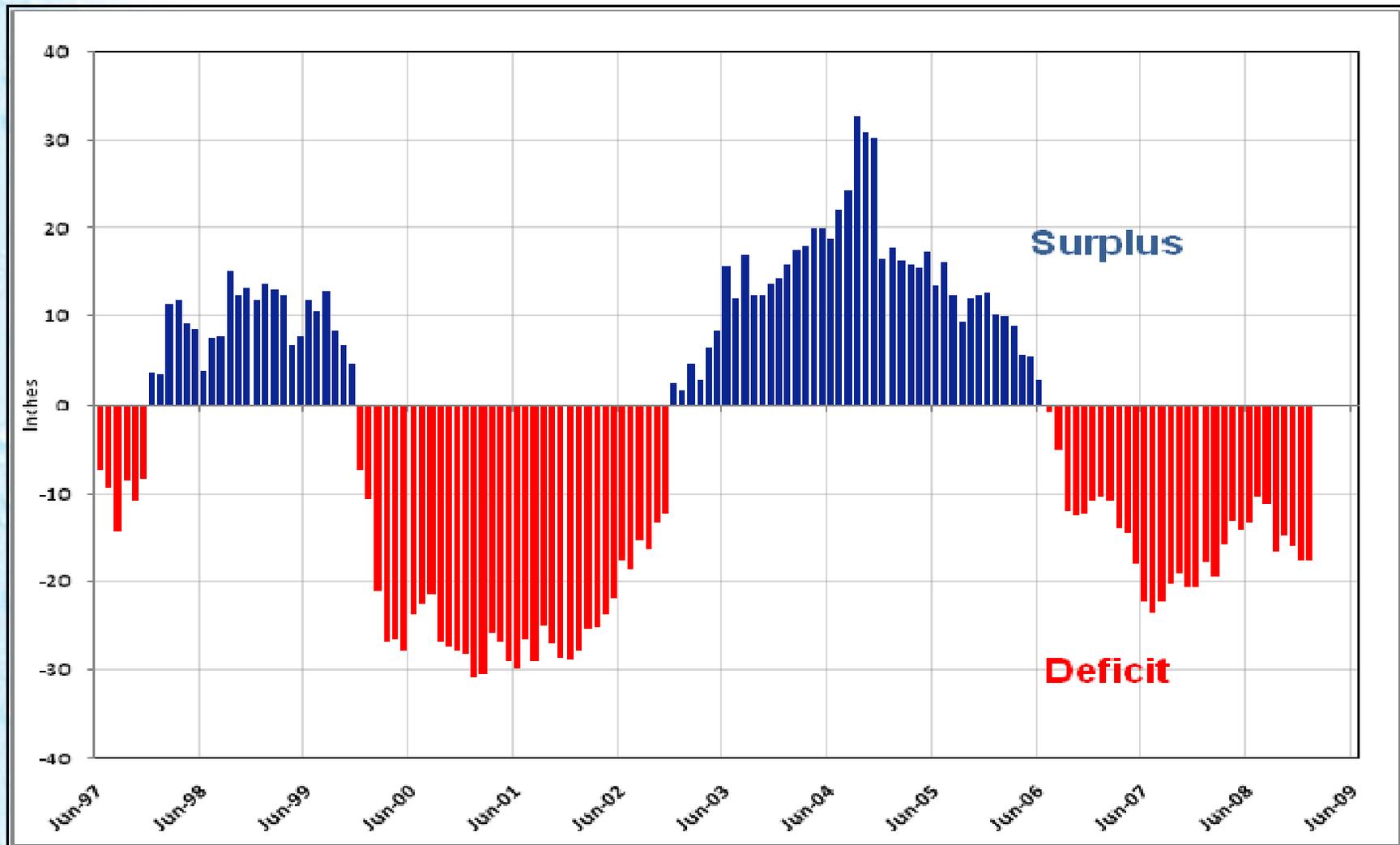
**Modified
Phase III**

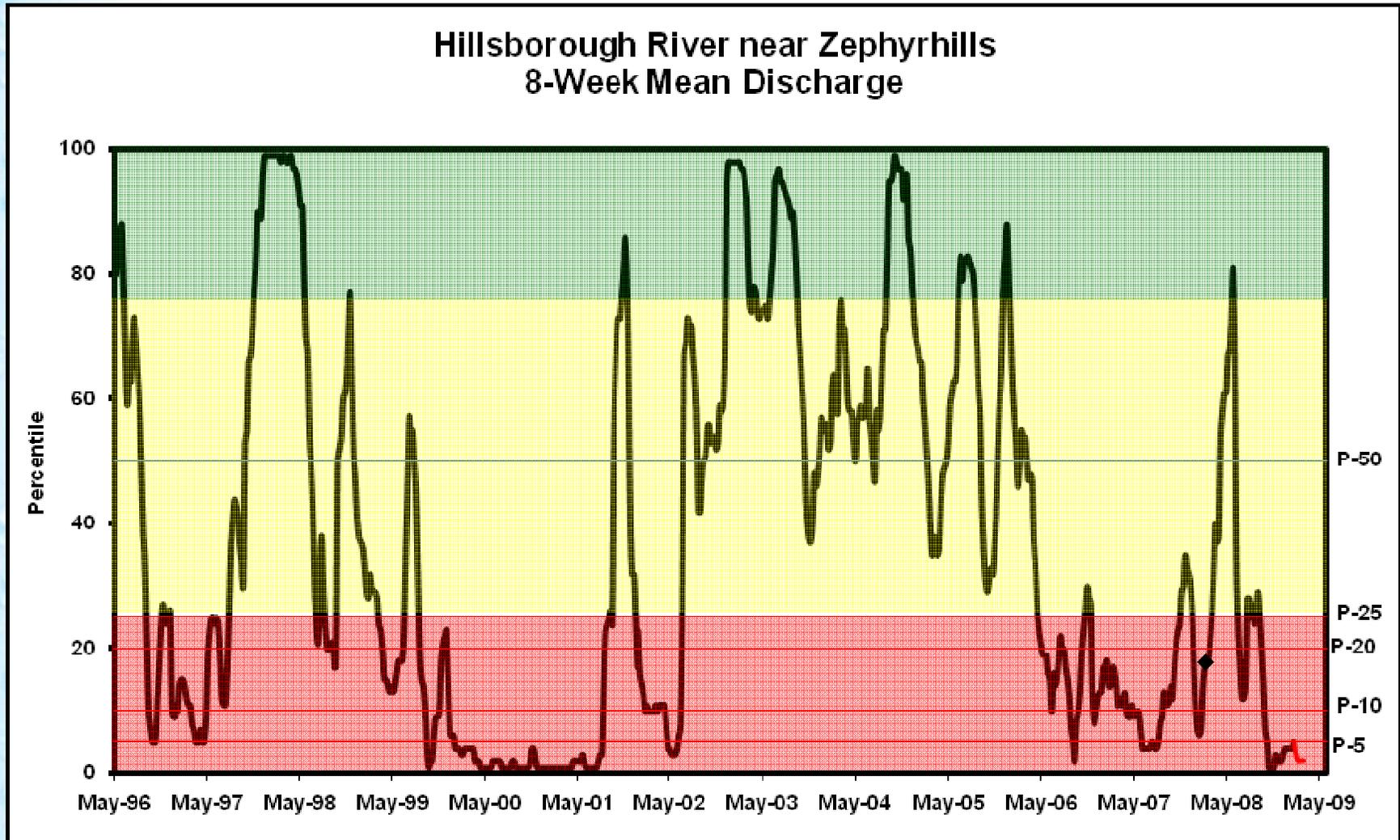


**Modified
Phase II**

Rainfall: 24-Month Departure from Mean

Hillsborough, Pasco, Pinellas Counties





Low-Flow Surface Water Conditions

Scenes Along the Hillsborough River



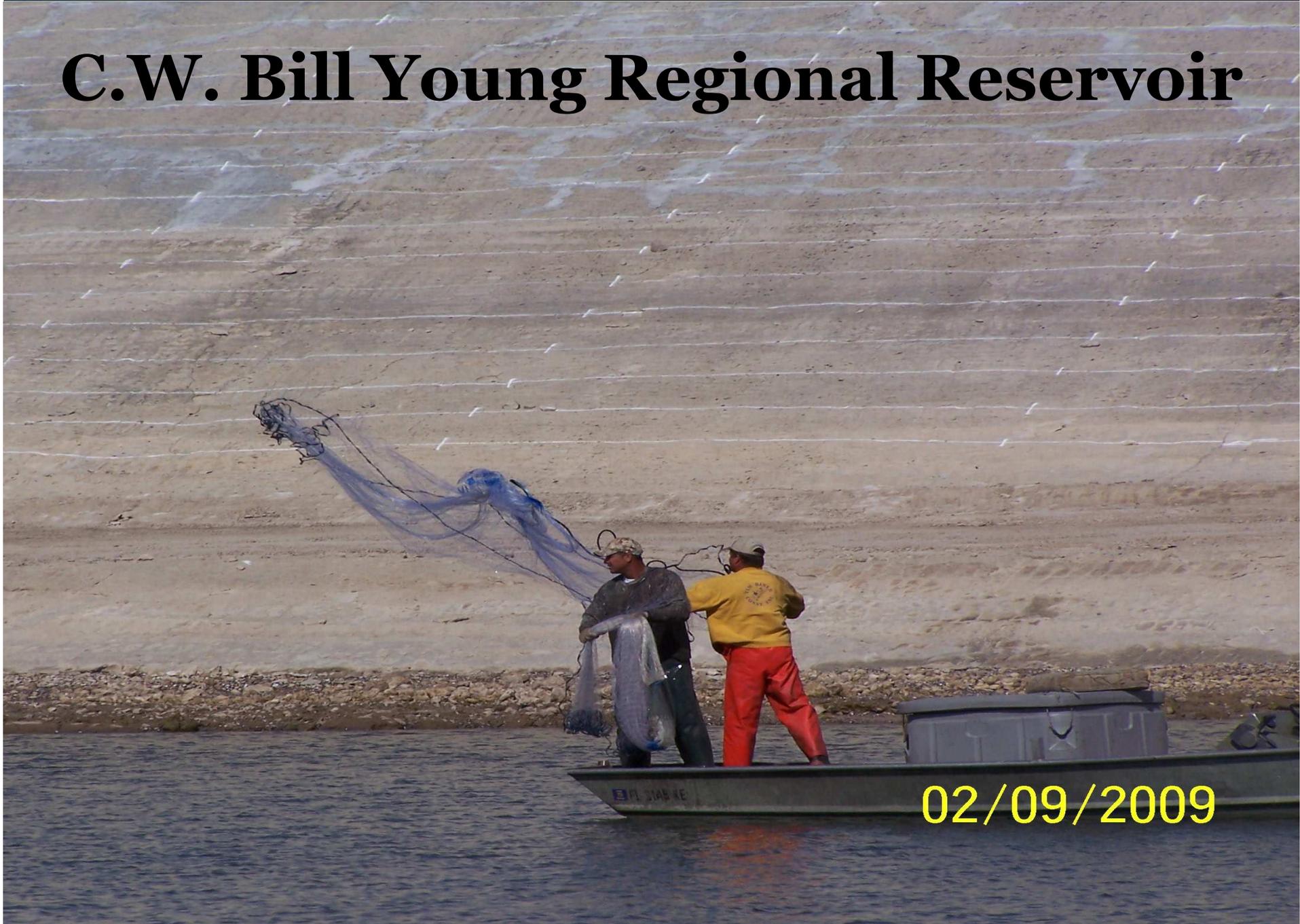
C.W. Bill Young Regional Reservoir



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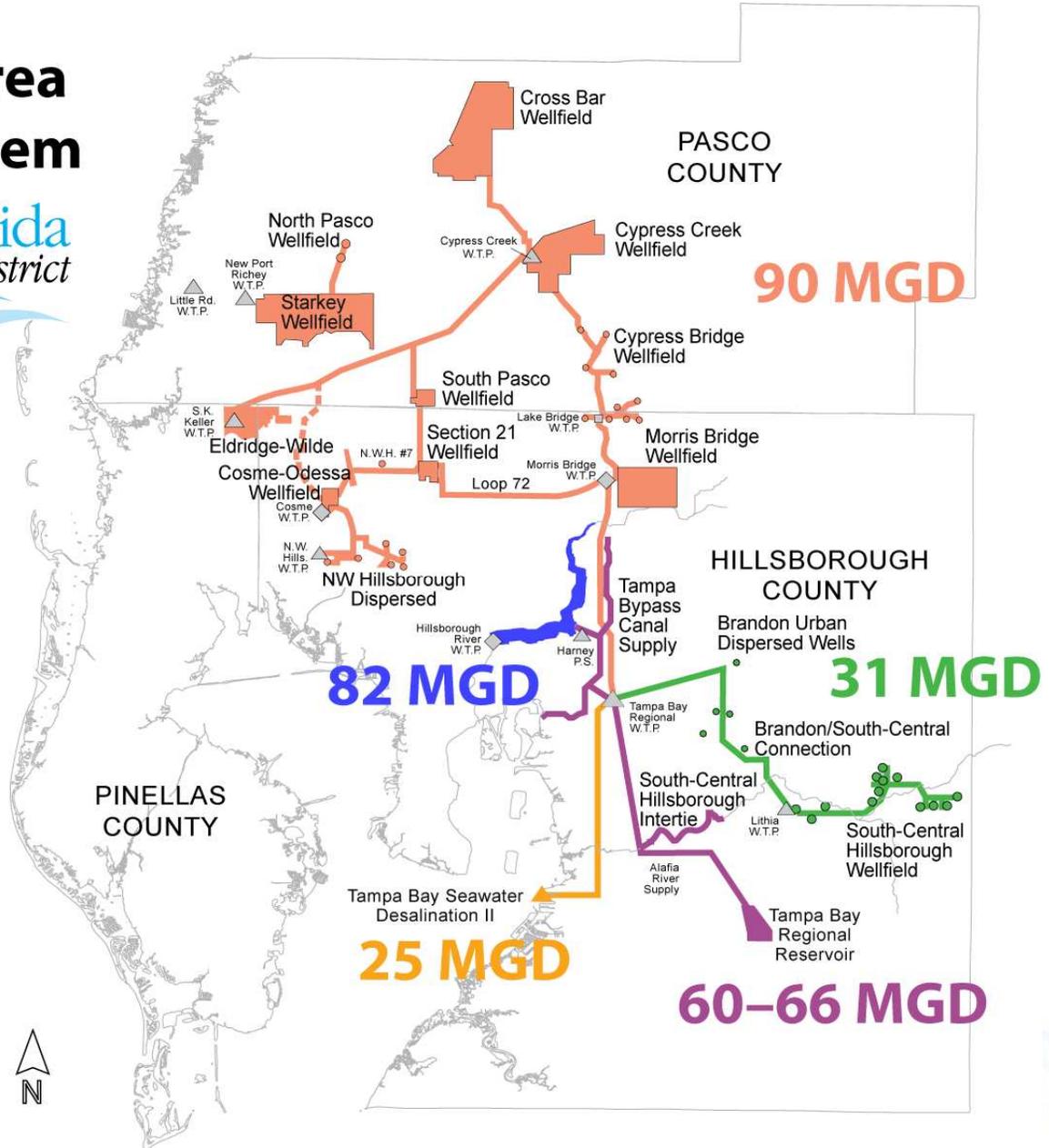
C.W. Bill Young Regional Reservoir



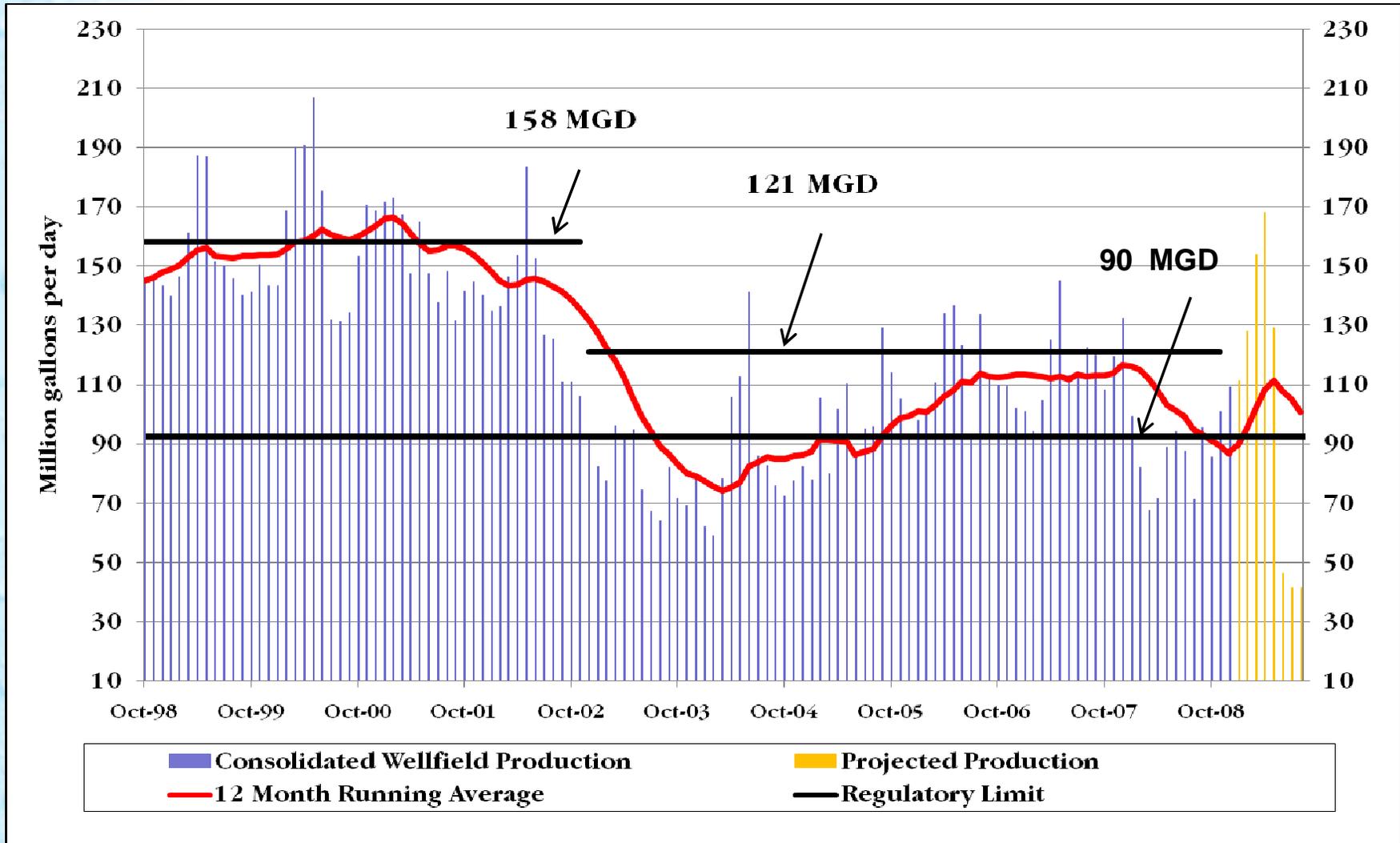
02/09/2009

Tampa Bay Area Regional System

Southwest Florida Water Management District



Consolidated Permit History



An aerial photograph showing a large canal system. A prominent dam with multiple spillways crosses the canal. To the left of the dam is an industrial facility with several large buildings and a parking lot filled with yellow vehicles. The canal is bordered by concrete and earthen walls. The background shows a cityscape with various buildings and a power transmission tower.

**Emergency Measures:
Tampa Bypass Canal
As Much as 30 MGD**



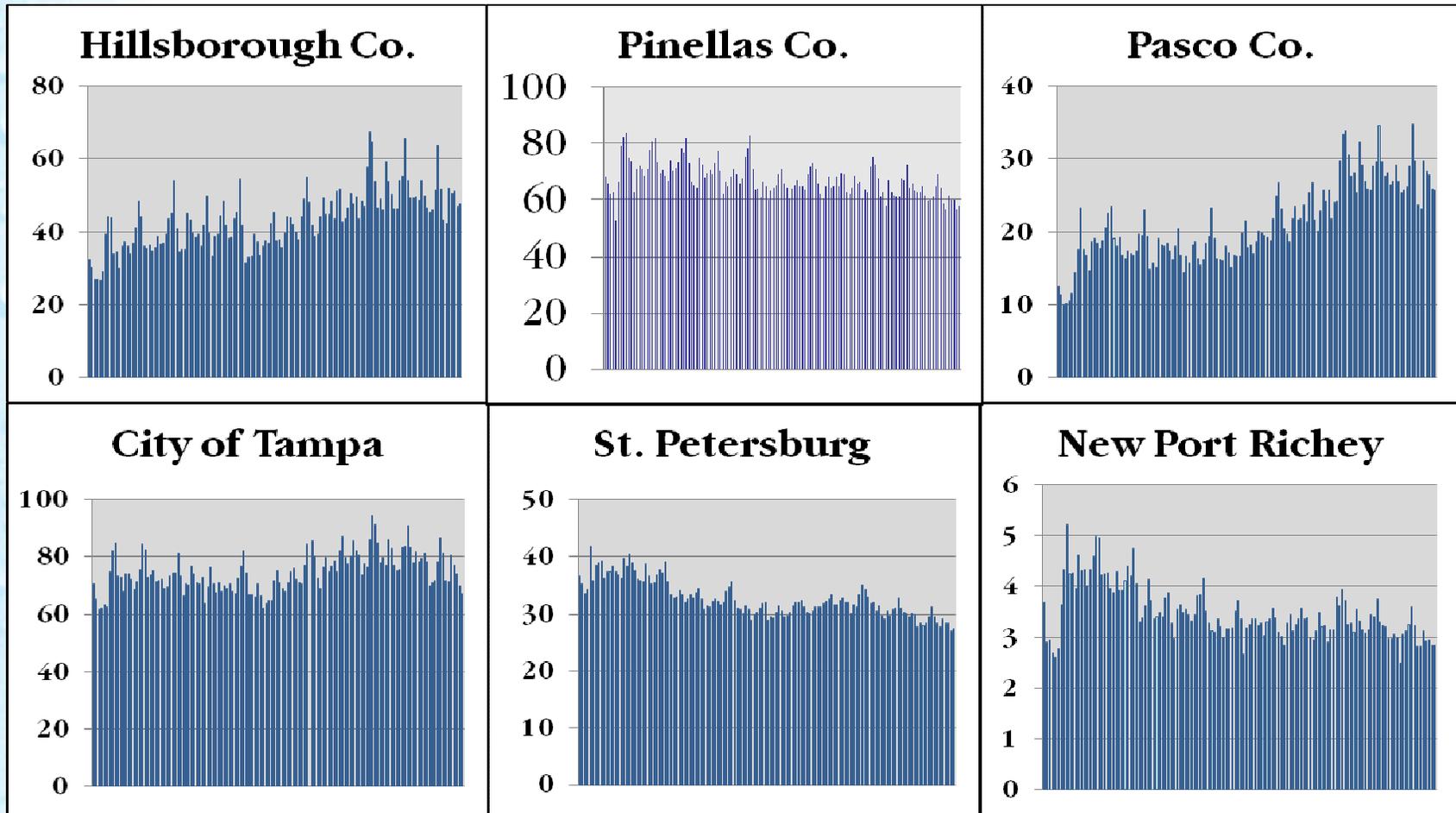
**Emergency Measure
Sulphur Springs
Nearly 3 MGD**



**Emergency Measure
Morris Bridge Sink
About 6 MGD**

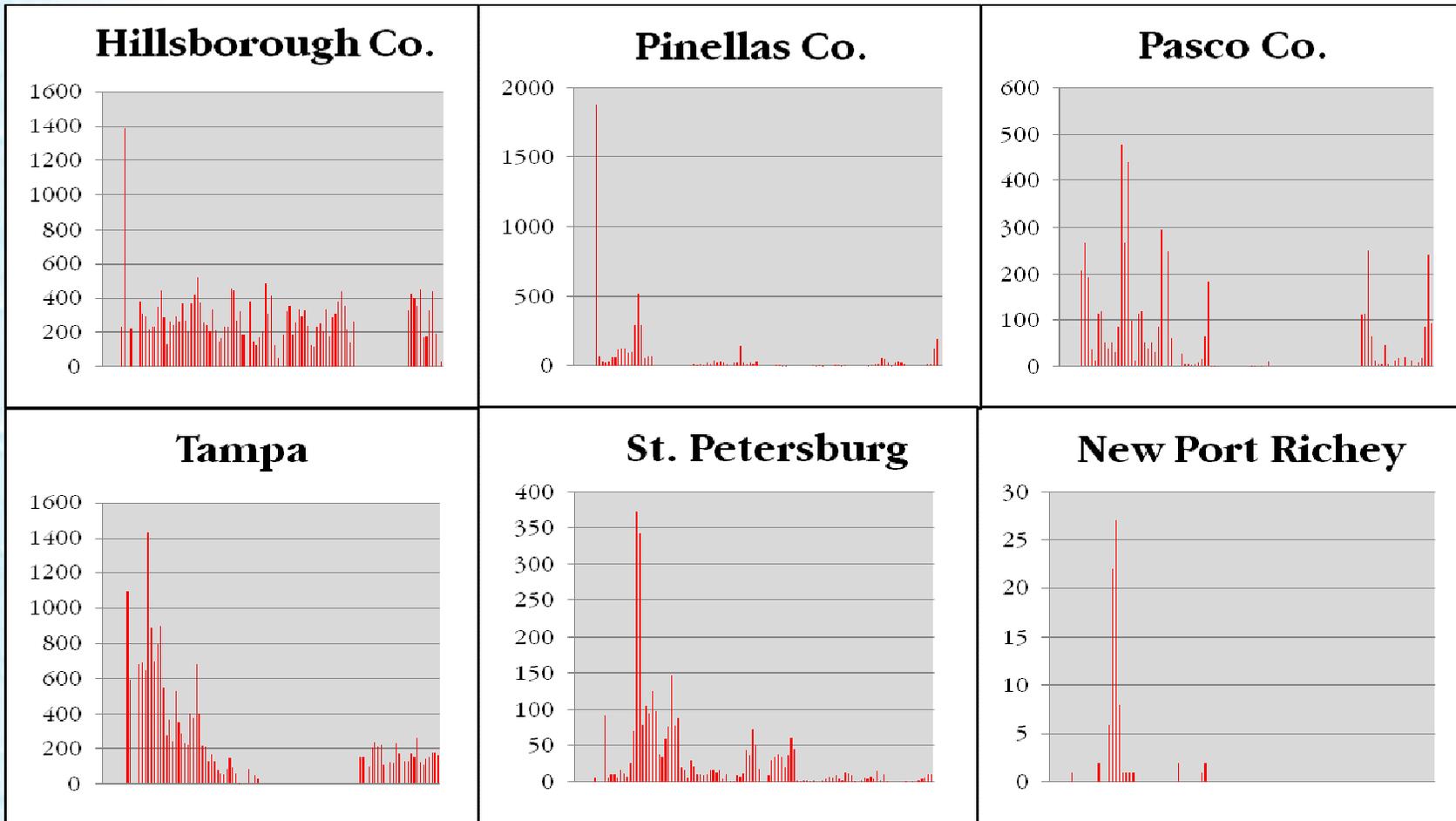
Monthly Demand By TBW Member

(October 1997 – January 2009 in MGD)

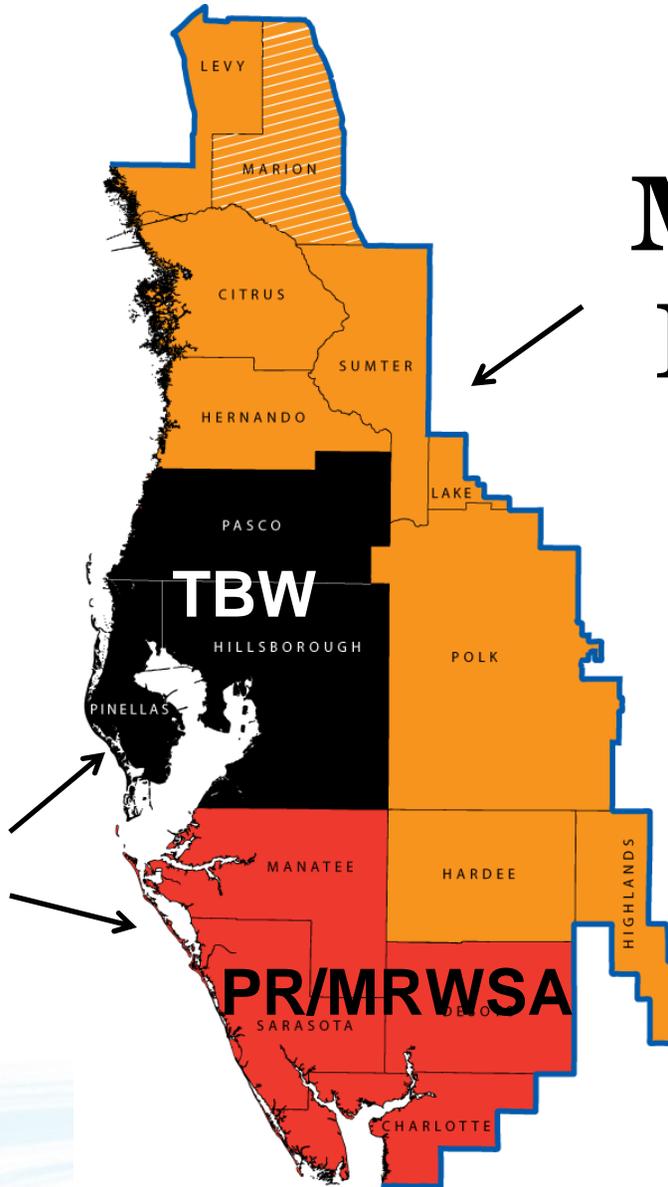


Citations Issued by Member

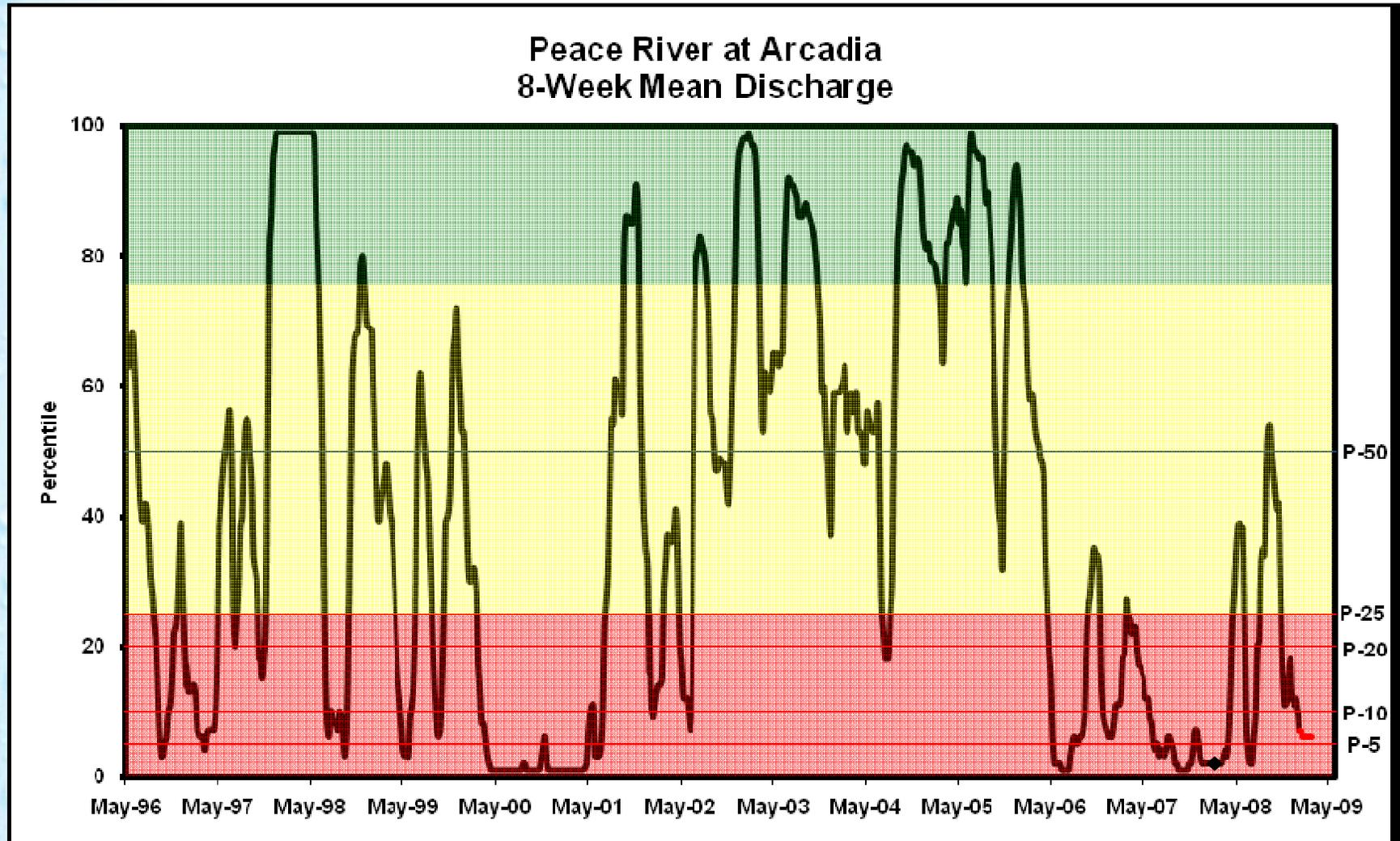
(October 1999 – January 2009)



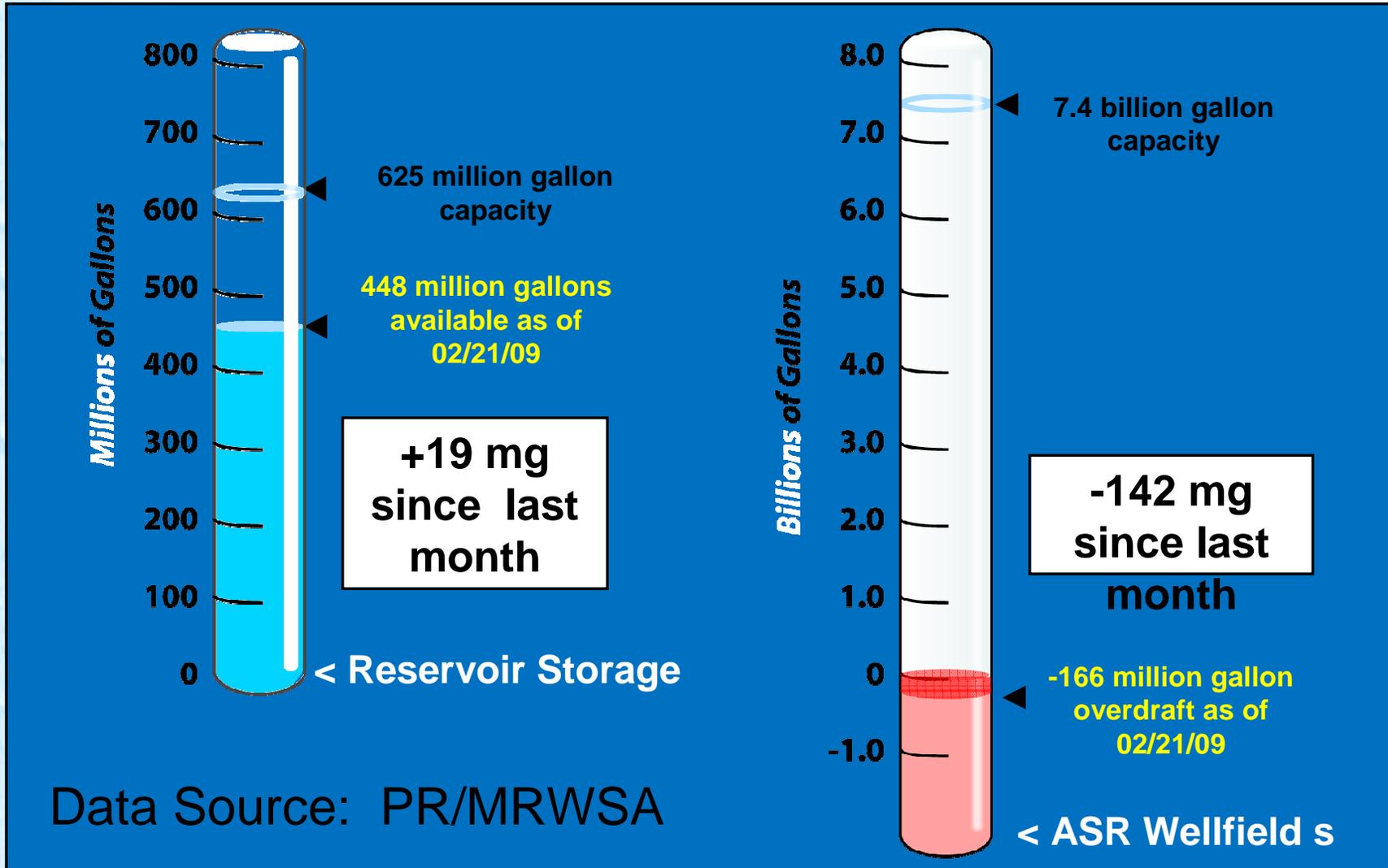
**Modified
Phase III**



**Modified
Phase II**



Low-Flow Surface Water Conditions



Public Supply Concern

Aquifer Storage & Recovery





**System
Interconnects –
Local Sources**

Modified Phase III

Goal: Ten Percent Reduction

- Lawn and landscape watering only allowed one day per week
 - Address ending in 0 or 1 irrigates Monday, if needed
 - Address ending in 2 or 3 irrigates Tuesday, if needed
 - Address ending in 4 or 5 irrigates Wednesday, if needed
 - Address ending in 6 or 7 irrigates Thursday, if needed
 - Address ending in 8 or 9 irrigates Friday, if needed
- Either before 8 a.m. or after 6 p.m.
- Hand watering
 - Lawns limited to watering day and times
 - Hot spots – still allowed on other days
- Hand watering, micro-irrigation of plants allowed any day, but limited to before 8 a.m. or after 6 p.m.

Modified Phase III

Goal: Ten Percent Reduction

- **New or Replacement Lawns:**
 - 1st 15 days allowed any day
 - 2nd 15 days
 - Even addresses Tuesday, Thursday and Saturday
 - Odd addresses may water on Wednesday, Friday and Sunday
 - Time of day restrictions apply
- **Other New Plant Establishment:**
 - 1st 30 days any day
 - 2nd 30 days – even and odd as above
 - Time of day restrictions apply

Proposed Modified Phase III

Goal: Ten Percent Reduction

- Reduce off-site discharge
- Recycle water to extent practicable
- Use least restricted source
- Pools - minimize need for make-up water
- Pressure washing
 - Allowed for painting, other necessary maintenance
 - Also allowed to maintain a warranty, health and safety reasons
- Fountains and Waterfalls – operate only 4 hours per day
- Veriticutting, overseeding – no special watering allowance
- Adjust lawn and landscape maintenance– mowing, etc.
- Restaurants: serve water only on request

Proposed Modified Phase III

Goal: Ten Percent Reduction

Additional requirements for utilities:

- Issue Citations instead of warnings
- Respond to citizen complaints
- Report system status (potable and reclaimed):
 - Within 30 days of Order's effective date
 - Monthly updates
- Limit the use of unattended manual line flushing
- Enhance coordination with District
- Accelerate water conservation measures
- Further enhance conservation messaging
- Continue Phase II efforts, such as system audit

Proposed Modified Phase III

Goal: Ten Percent Reduction

Supplemental requirements for utilities:

- Conduct intense outreach to high-use single-family residential customers to significantly reduce their use
- Reduce system pressure where practicable
- Consider implementing a drought surcharge for high-use customers (for example, single-family residences using more than 15,000 gallons per month)
- Consider implementing a reclaimed water availability fee for customers electing to not to hook up to the reclaimed water system (when the pipe runs past their property)
- Hold a drought summit (PR/MRWSA already has one scheduled for April 3, 2009)

**Modified Phase III
Water Shortage Order
Hillsborough, Pasco,
Pinellas, Charlotte,
DeSoto, Manatee and
Sarasota Counties**

**through
June 30, 2009**

