

Pima County Local Drought Impact Group

Monitoring and Reporting Drought in Arizona



PIMA COUNTY

SUSTAINABILITY & CONSERVATION

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2007-The Year of Drought Action

- ▶ **Interim Guidelines for Colorado River Operations**
- ▶ **Drought Declaration in 7th Year**
- ▶ **ADWR Drought Preparedness well established**
- ▶ **Pima County adopts Drought Management Program**
- ▶ **Stage One Drought Declaration in Pima County**

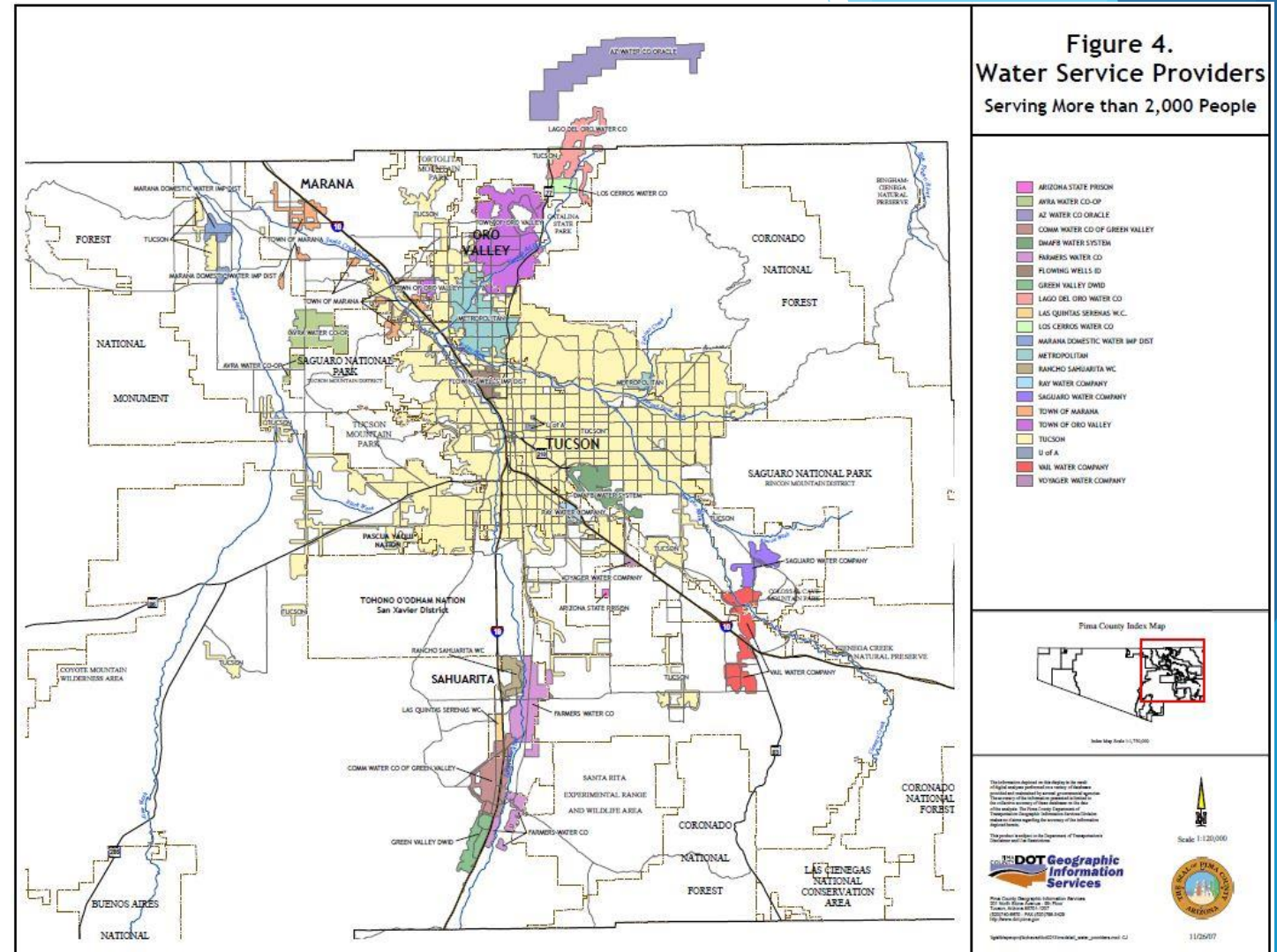
Pima County Drought Response Plan

- ▶ **Pima County Code 8.70**
 - ▶ **Four Drought Stages**
 - ▶ **Declared by Board of Supervisors**
 - ▶ **Establishes Monitoring Group (LDIG)**
 - ▶ **Water Wasting Prohibitions**
- ▶ **Updated in 2014**

Drivers for Pima County

- ▶ On going Drought Conditions
- ▶ Framework for Response should drought continue
- ▶ Drought in Unincorporated Pima County
- ▶ Platform for Regional Collaboration

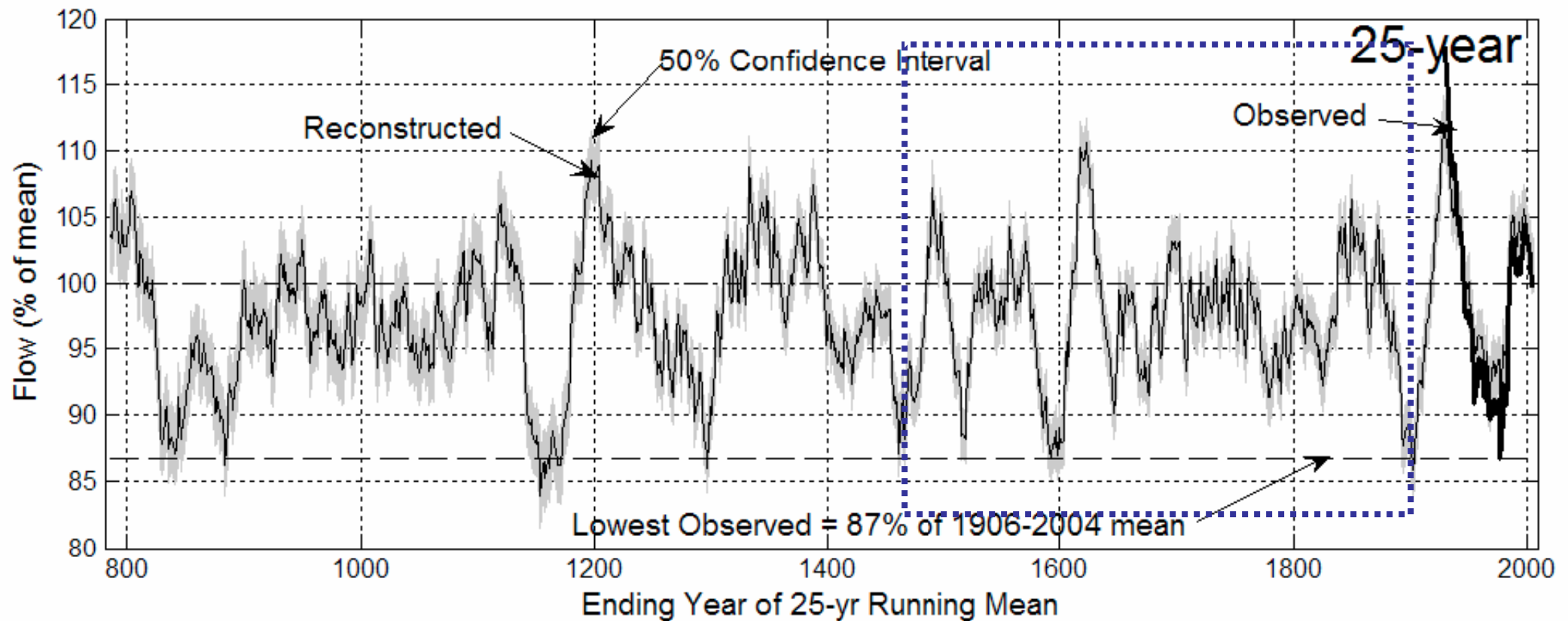
- ▶ Pima County not a Water Provider
- ▶ County population 980,000
- ▶ Unincorporated population 353,000
- ▶ 6 major water providers
- ▶ 5 domestic water improvement districts
- ▶ Co-ops, private water companies, private wells



Local Drought Impact Group

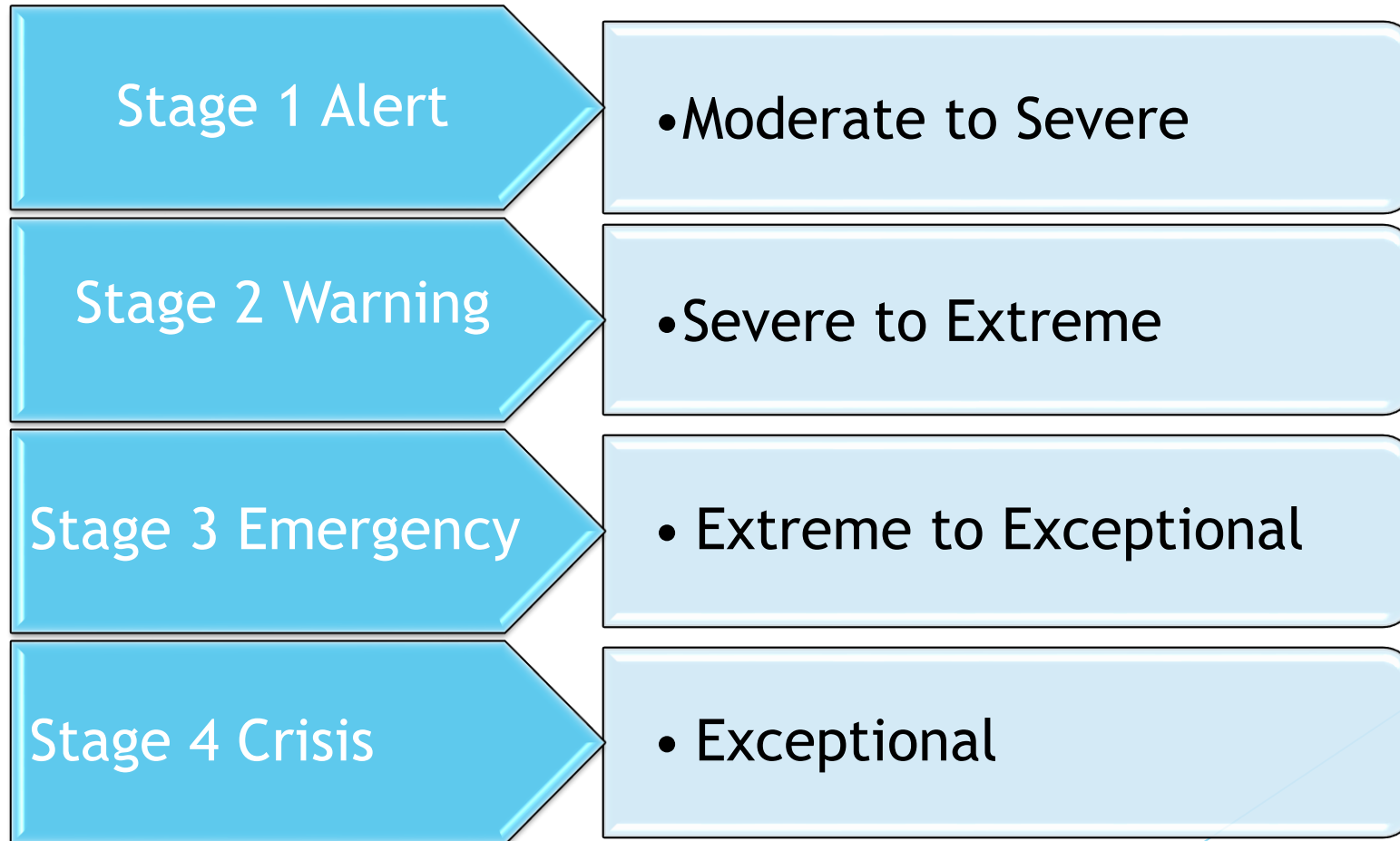
- ▶ Meets Bi-Monthly
- ▶ Review ADWR Drought Status Reports
- ▶ Presentation
- ▶ Discuss Drought Impacts and Outreach
- ▶ Coordinate Drought Declarations and Responses
- ▶ Posted Public Meetings

Reconstruction of Colorado River at Lees Ferry, AD 762 - 2005



25-yr running means of reconstructed and observed annual flow of the Colorado River at Lees Ferry, expressed as percentage of the 1906-2004 observed mean (Meko et al. 2007).

Four Drought Stages



Drought Responses

Stage 1

- Voluntary Conservation

Stage 2

- Stage 1+
- Irrigation Restrictions
- Water Only on Request
- No Misters
- No Public Fountains
- Car Washing with Nozzle Only
- No Turf Overseeding

Stage 3

- Stage 2+
- No Filling New Residential Pools
- Car Washing only with Recirculation
- No Pool Refilling except to Top Off

Stage 4

- Stage 3+
- Only Tree and Shrub Irrigation
- No Filling New Pools
- No Car Washing
- No Street Cleaning
- No Potable Water for Construction

Challenges and Opportunities

- ▶ Participation
- ▶ Sector Impacts
- ▶ Drought Fatigue
- ▶ Climate Change v Drought
- ▶ NWS, ADWR, CAP
- ▶ Annual Report
- ▶ Water Conservation Message
- ▶ Collaboration

Conclusions

- ▶ Local Leadership
- ▶ Have a Framework in Place
- ▶ Don't Get Complacent
- ▶ Stakeholder Outreach
- ▶ Community Collaboration

Thank You!

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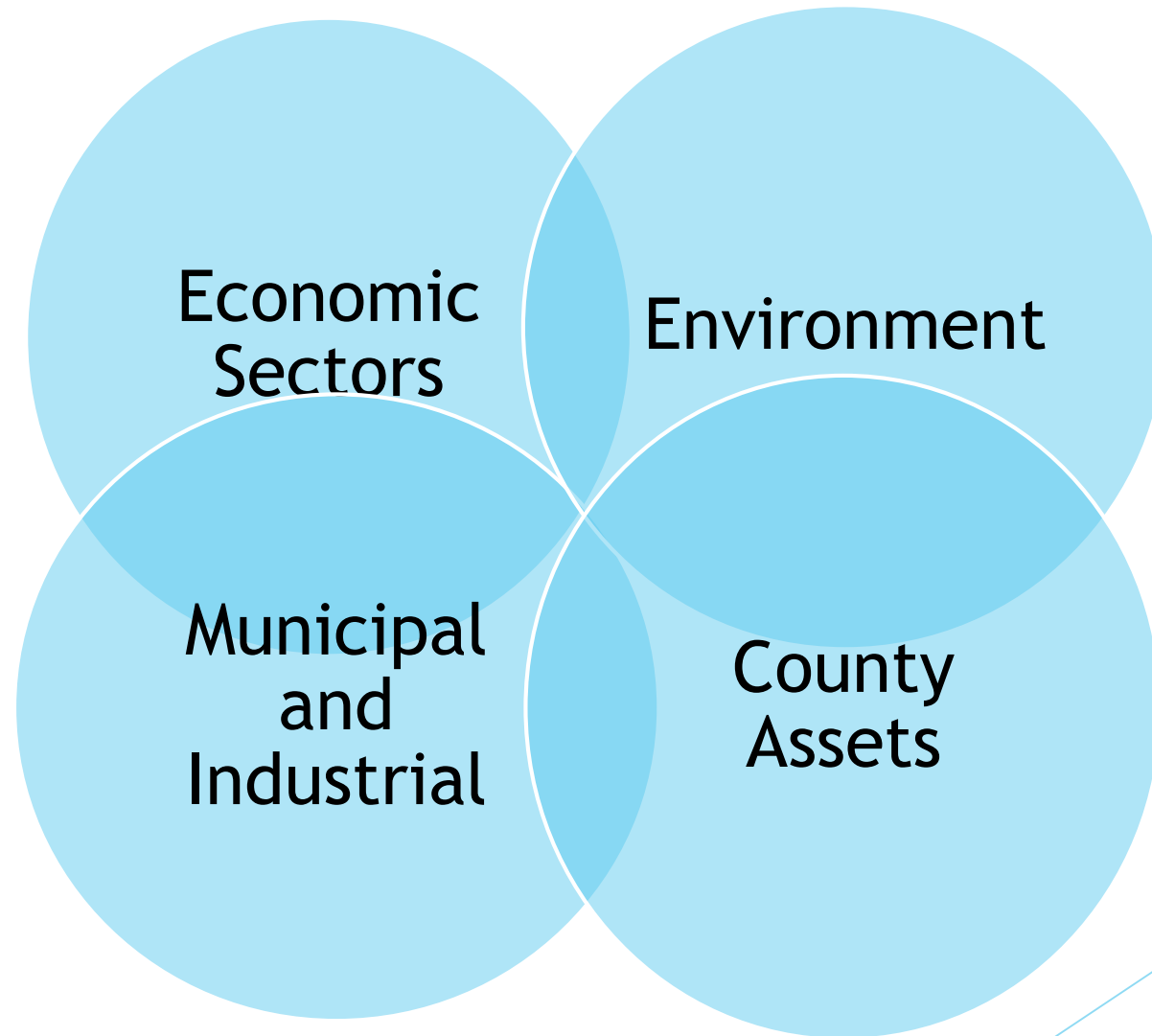
Water Wasting Provisions

Allowing Water to Leave a Property

Failing to Repair Water Leaks

Washing Driveways, Sidewalks, Parking Areas with Open Hose or Spray Nozzle (Residential Exempt)

Drought Vulnerability



Economic
Sectors

Environment

Municipal
and
Industrial

County
Assets

Regional Responses

Continued Drought Monitoring

Public Awareness

Collaboration

Long Term Storage

Adaptive Management