



# Water & Lands Recreation Opportunity Spectrum (WALROS)

*An Inventory, Planning, and Management Tool*

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# Recreation Resource Management

- Interdisciplinary nature: balance social, economic, and ecological needs and preferences

## Resource

### Rules for Playing Field

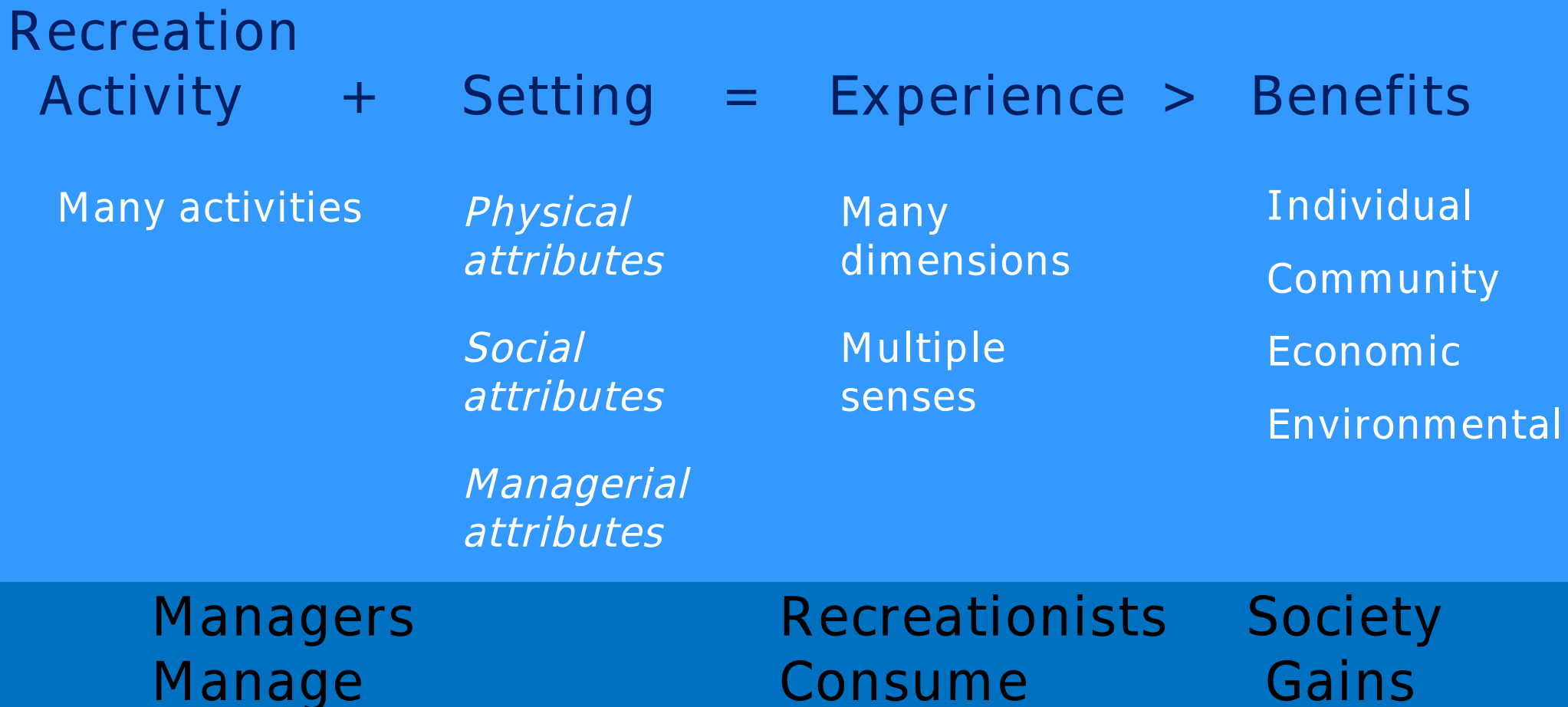
## Humans

Parks  
Trails  
Rivers  
Reefs  
Fishing grounds  
Carrying capacity  
NR's  
Ecological issues  
Wildlife

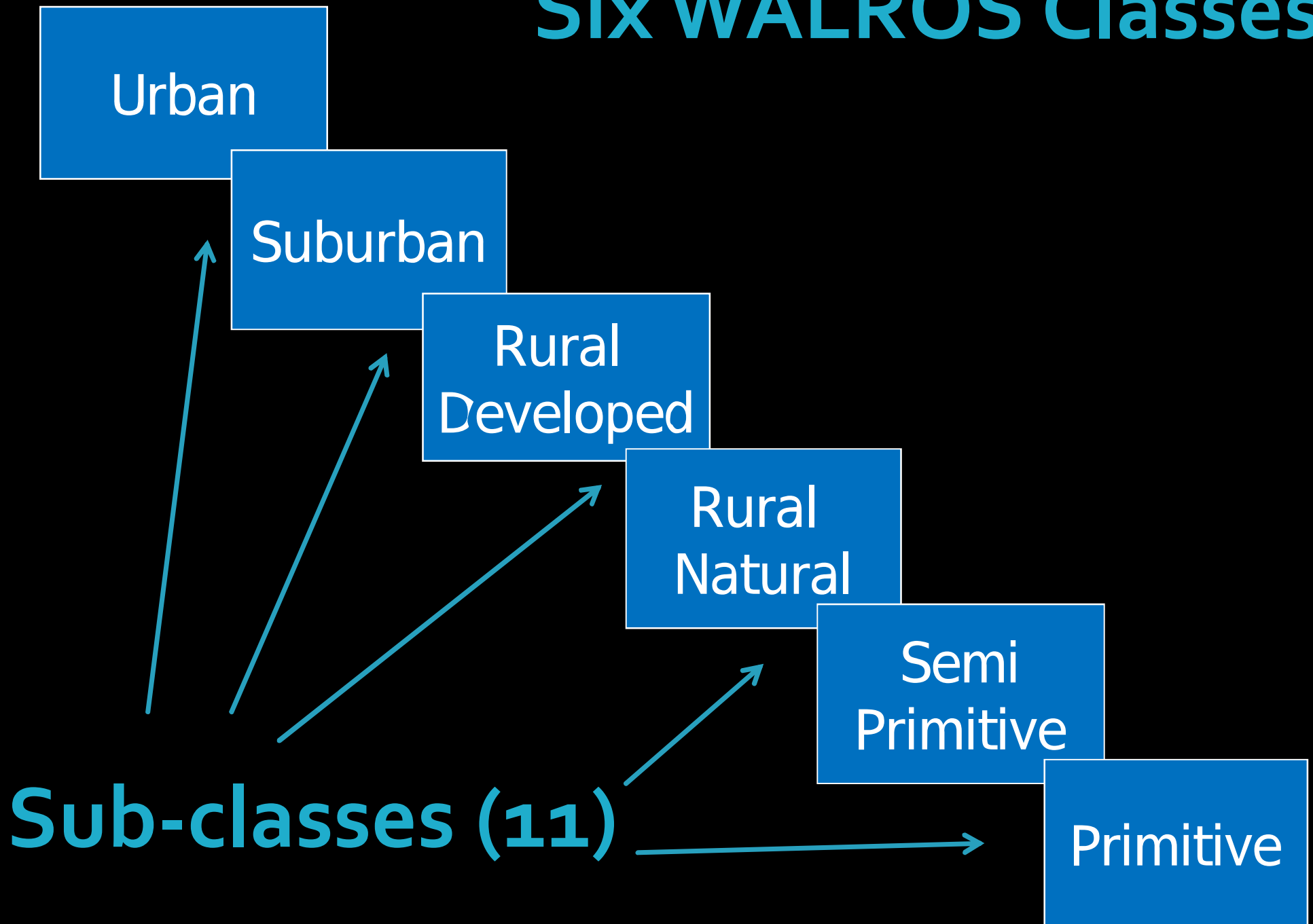
Resource Allocation	Catch Limits
Permits	Access Points
Fees	Regulations

Preferences  
Needs  
Behaviors  
Motivations  
Social  
Conflict  
Perceptions  
Stakeholders  
Livelihoods

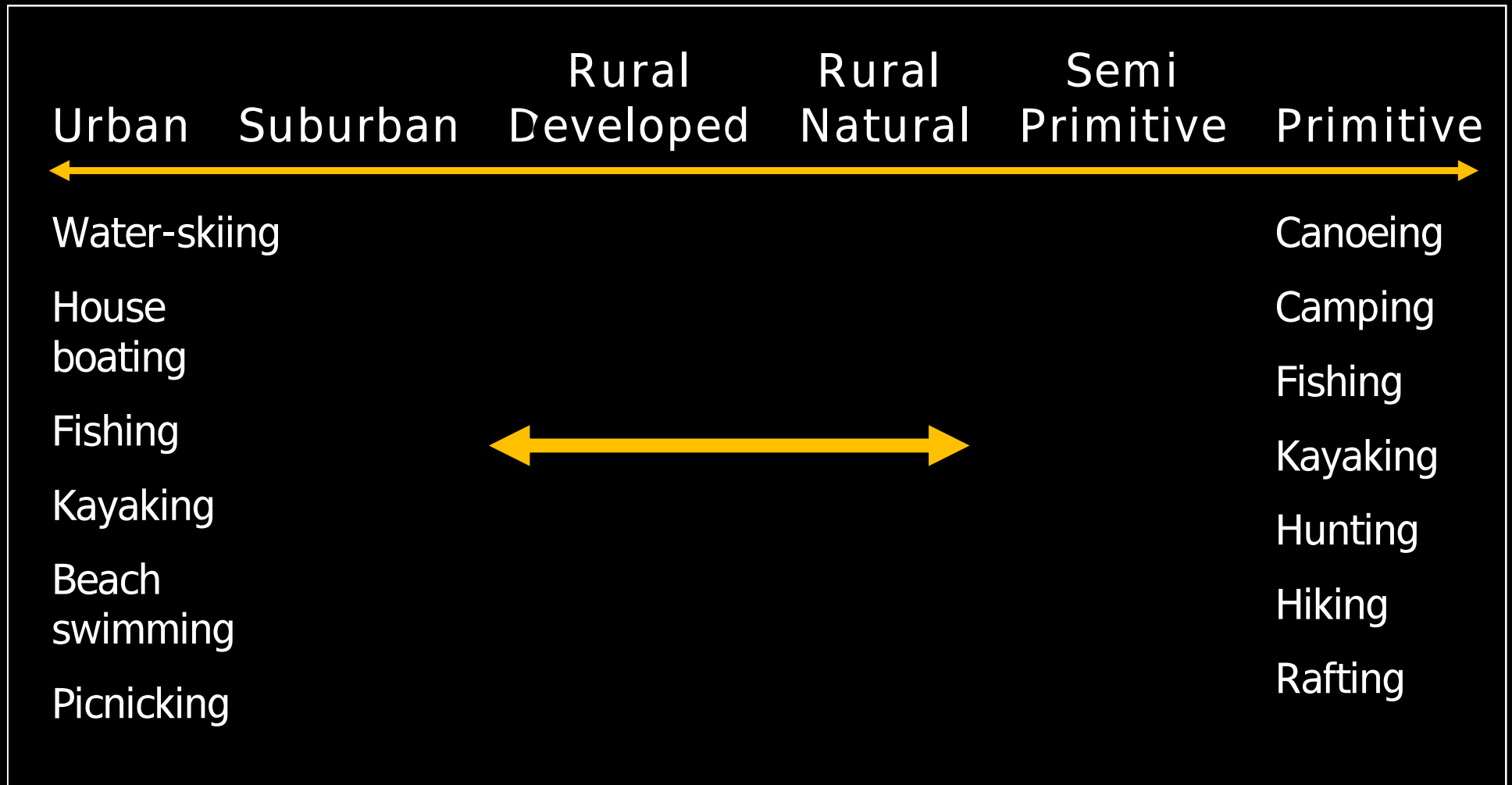
# Water and Lands Recreation Opportunity Spectrum (WALROS)



# Six WALROS Classes



# Activities



# Setting Attributes

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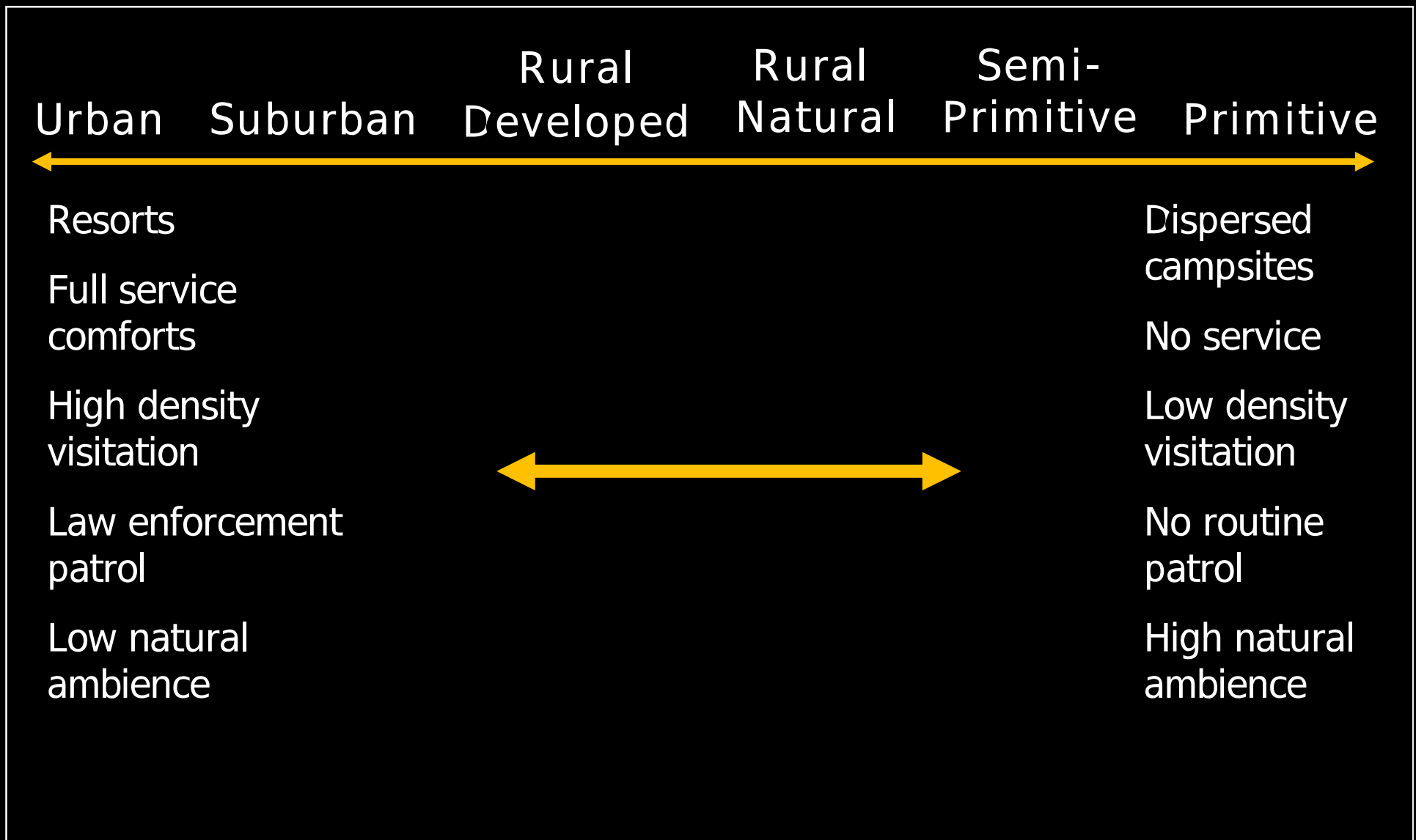
- **Physical**
  - Permanently fixed, not likely to change soon
  - e.g., dams, bridges, buildings, parking lots, roads, NR modifications, natural ambiance, closeness to community
- **Social**
  - Visitor's activities, behaviors, perceptions
  - e.g., visitor presence, impacts, concentration, comforts, safety, recreation diversity, solitude
- **Managerial**
  - Managed or changed by agency
  - e.g., management presence, access, regulations, facilities, patrols, services

# Setting Attributes

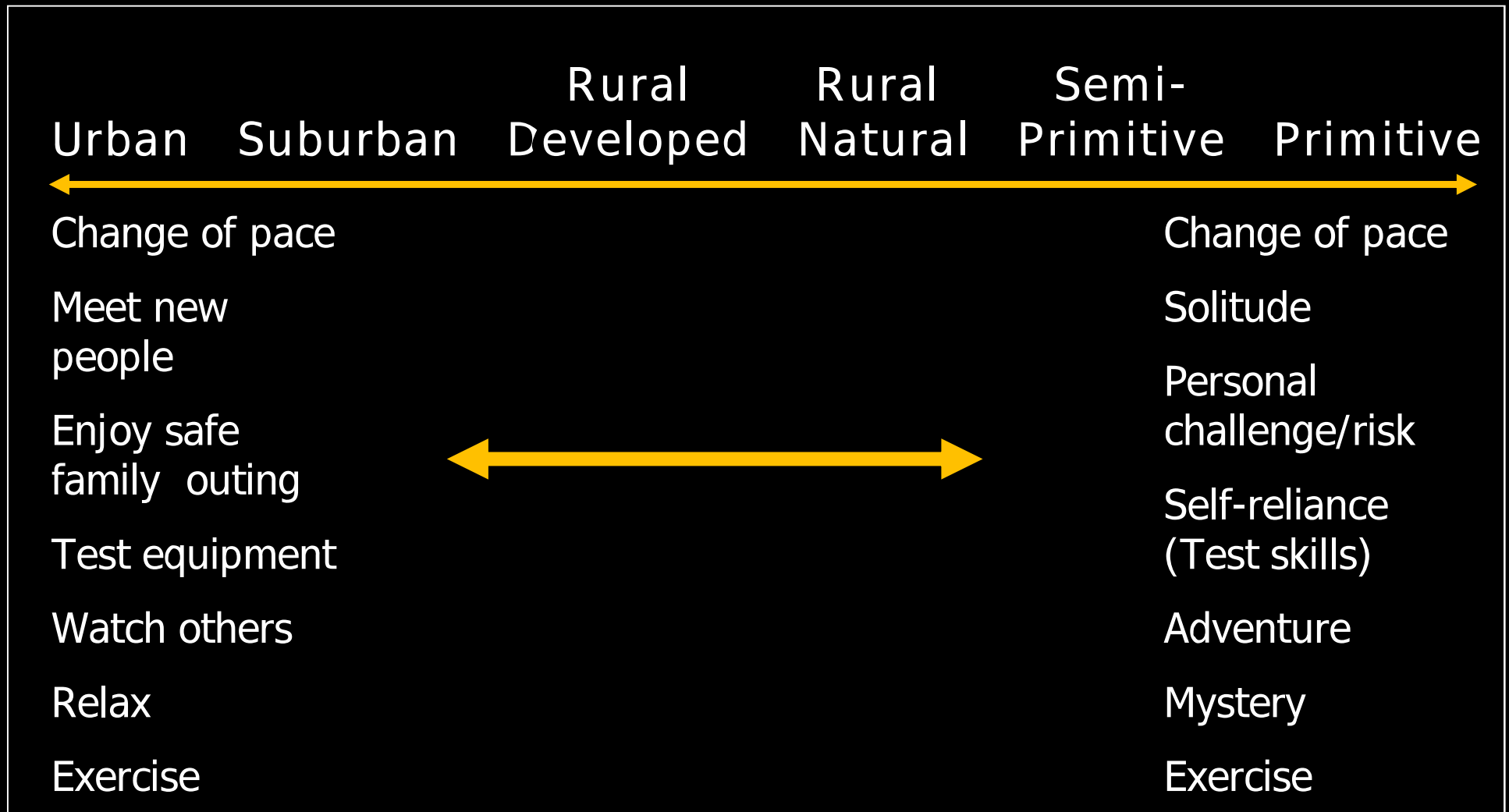
# Physical

# Social

# Managerial



# Experiences





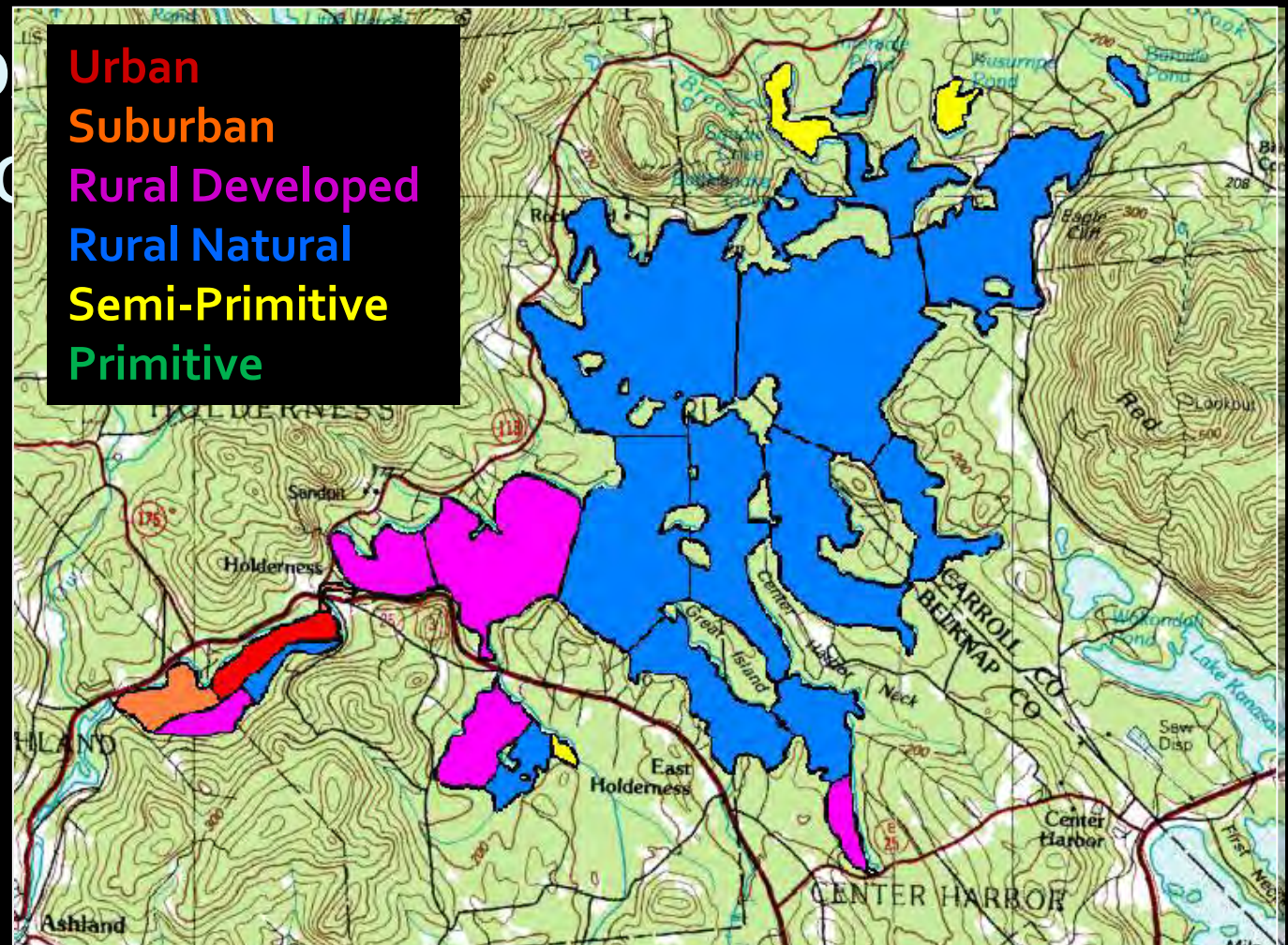
# WALROS is a Tool

- Inventory tool
  - Map current supply
- Planning tool
  - Proposed changes
- Management tool
  - Guide efforts
  - Set guidelines

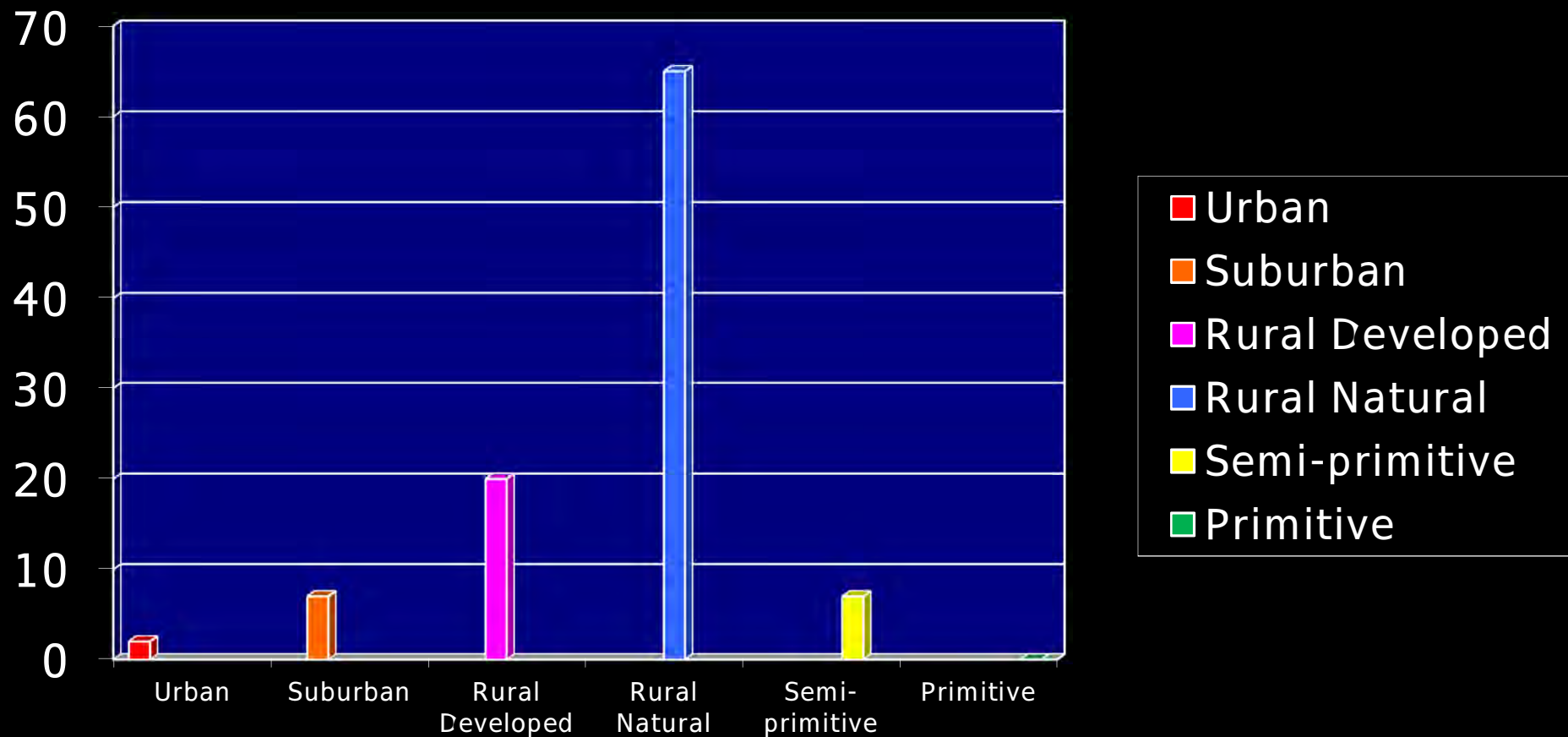
- Rivers
- Lakes
- Coastal zones
- Marine protected areas
- Trail systems
- Forest lands
- Parks

# WALROS Mapping

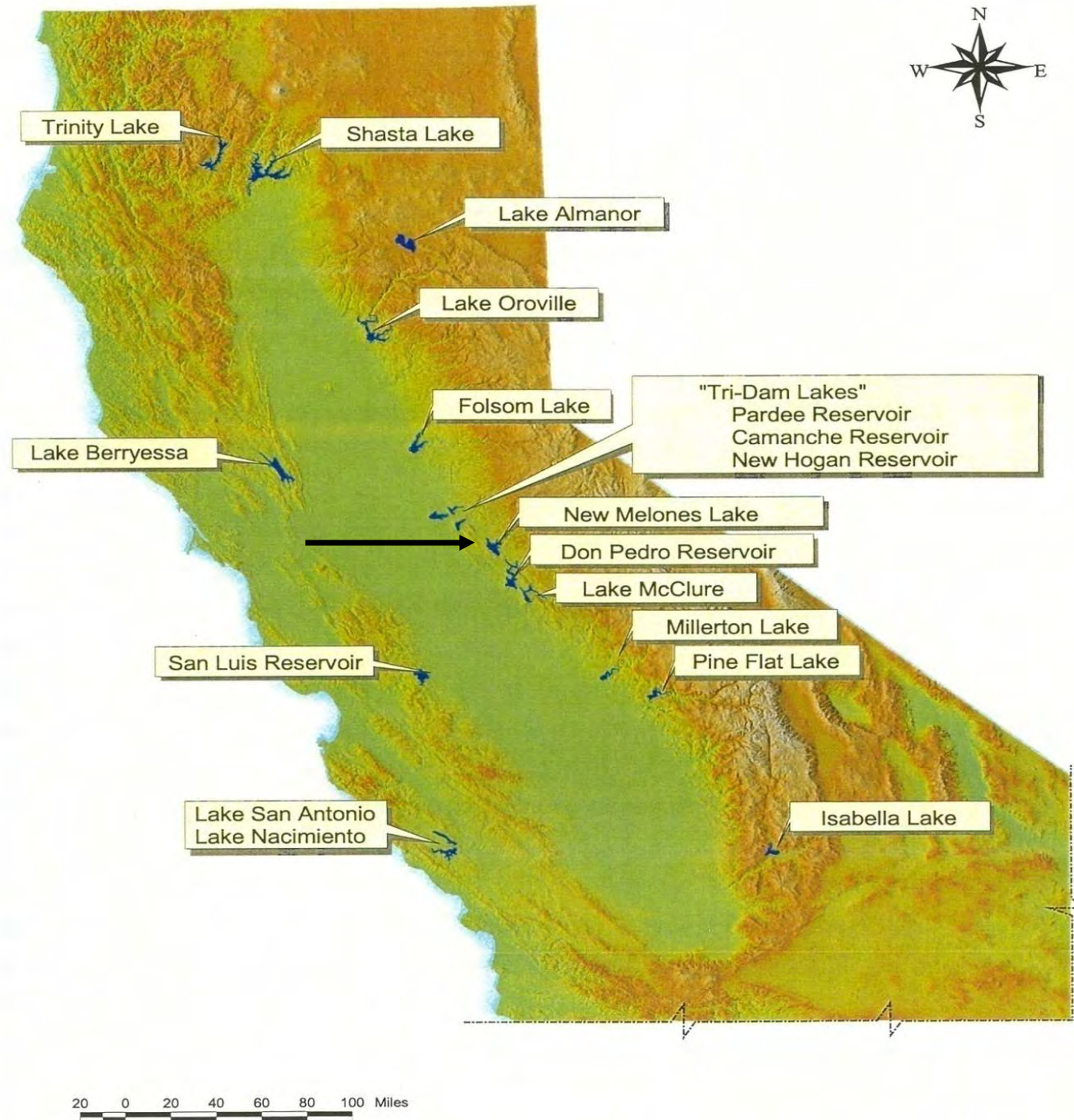
- Visual map recreation of



# Resource-View of WALROS

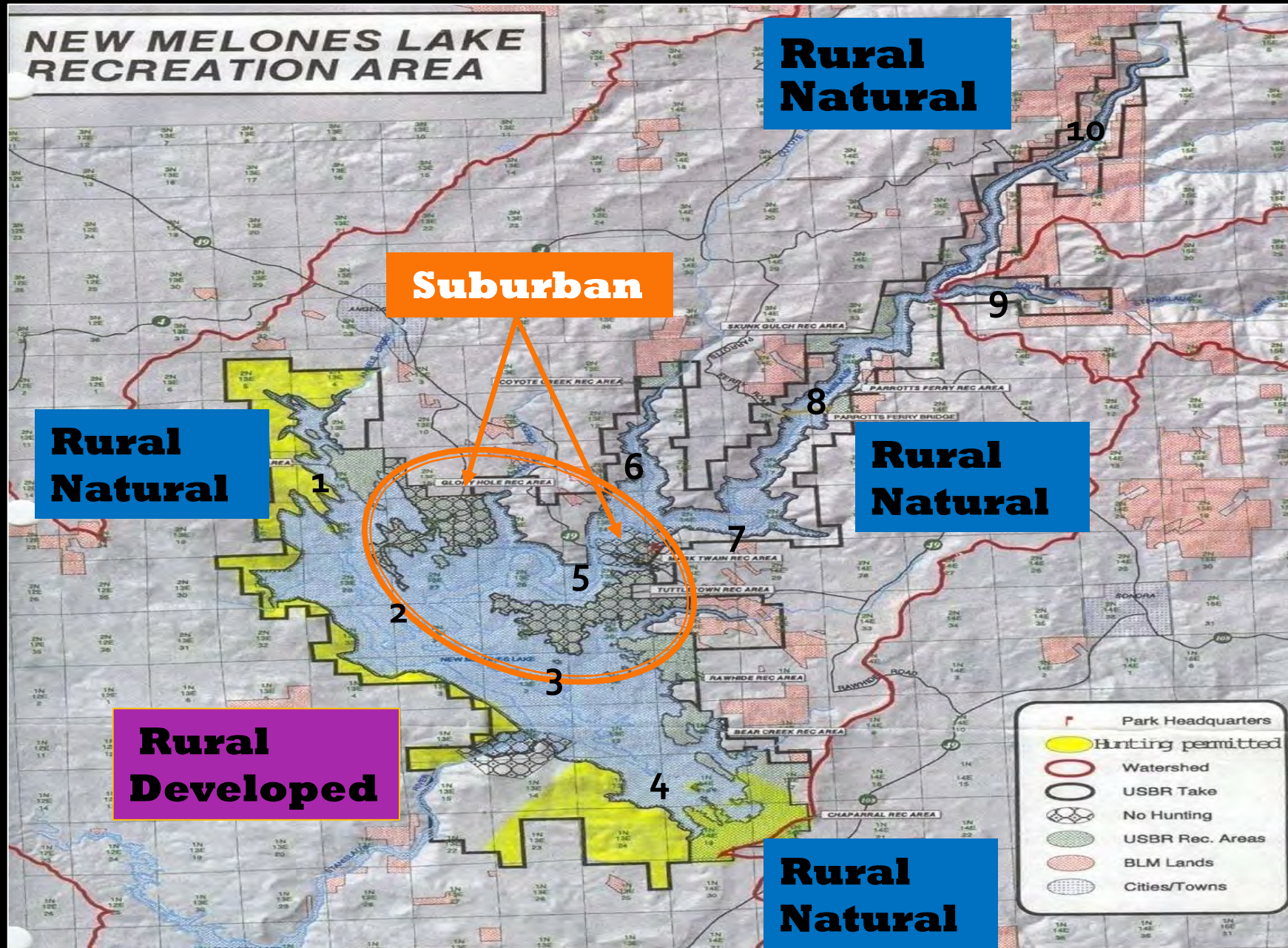






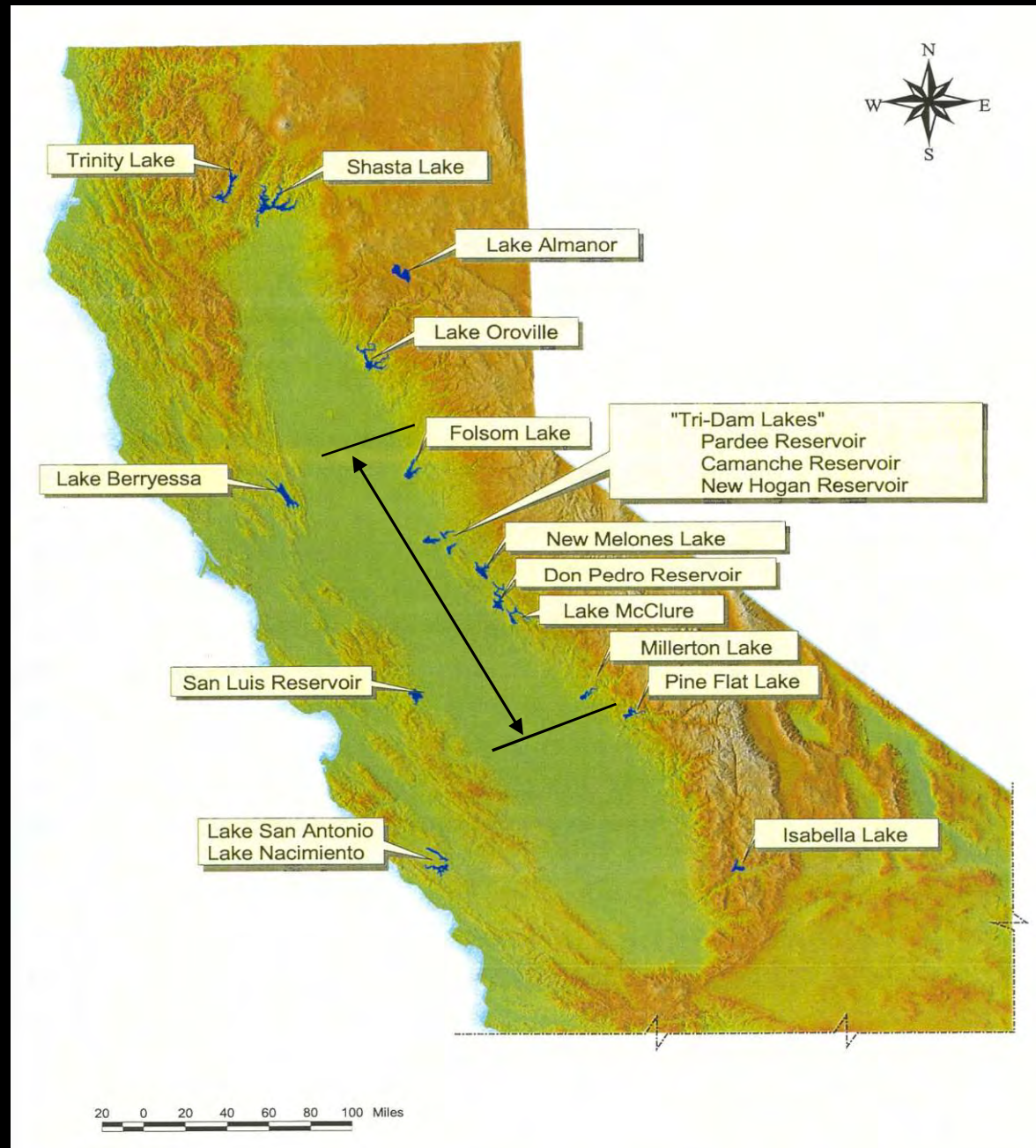


# Map/inventory current supply of recreation opportunities

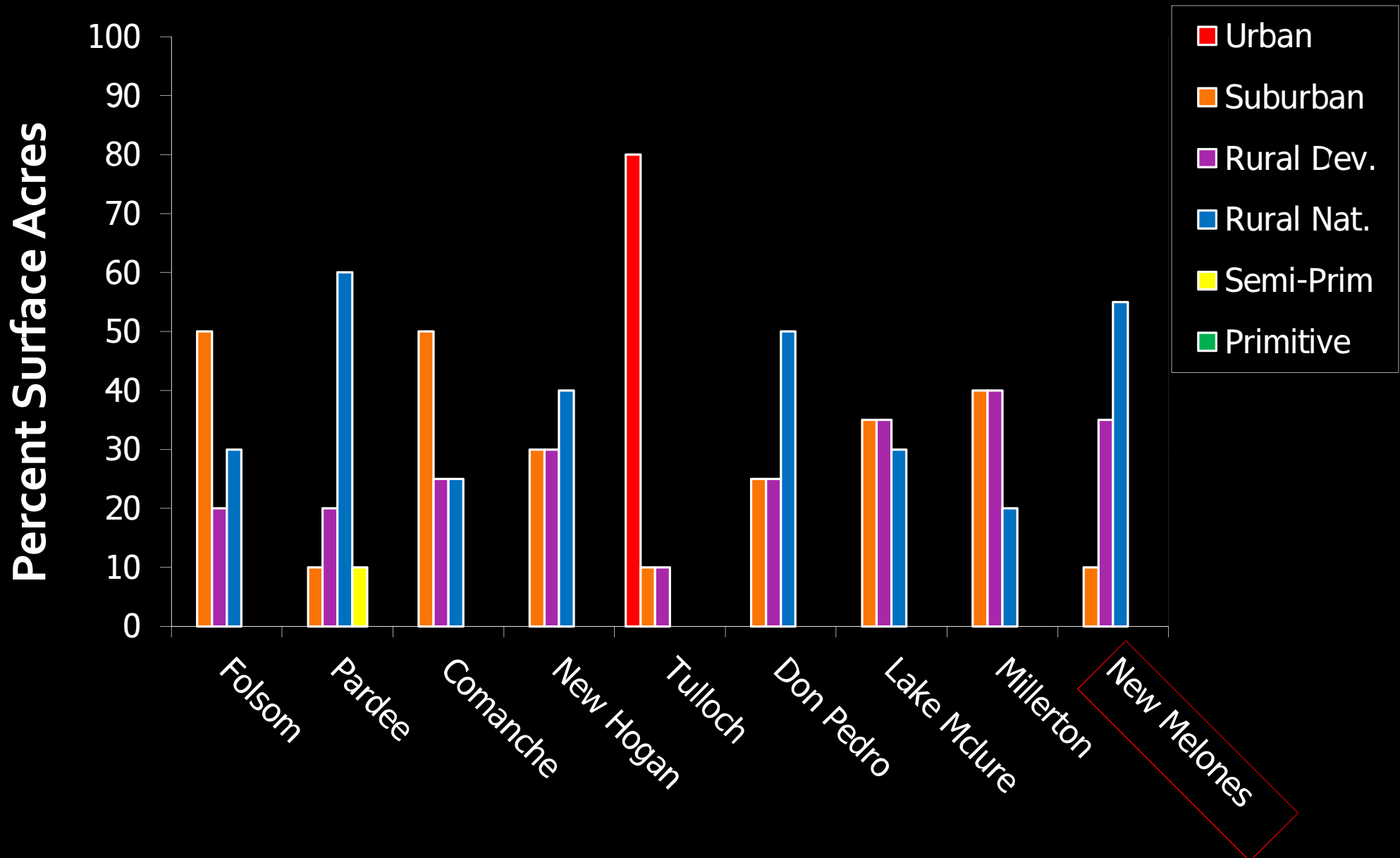




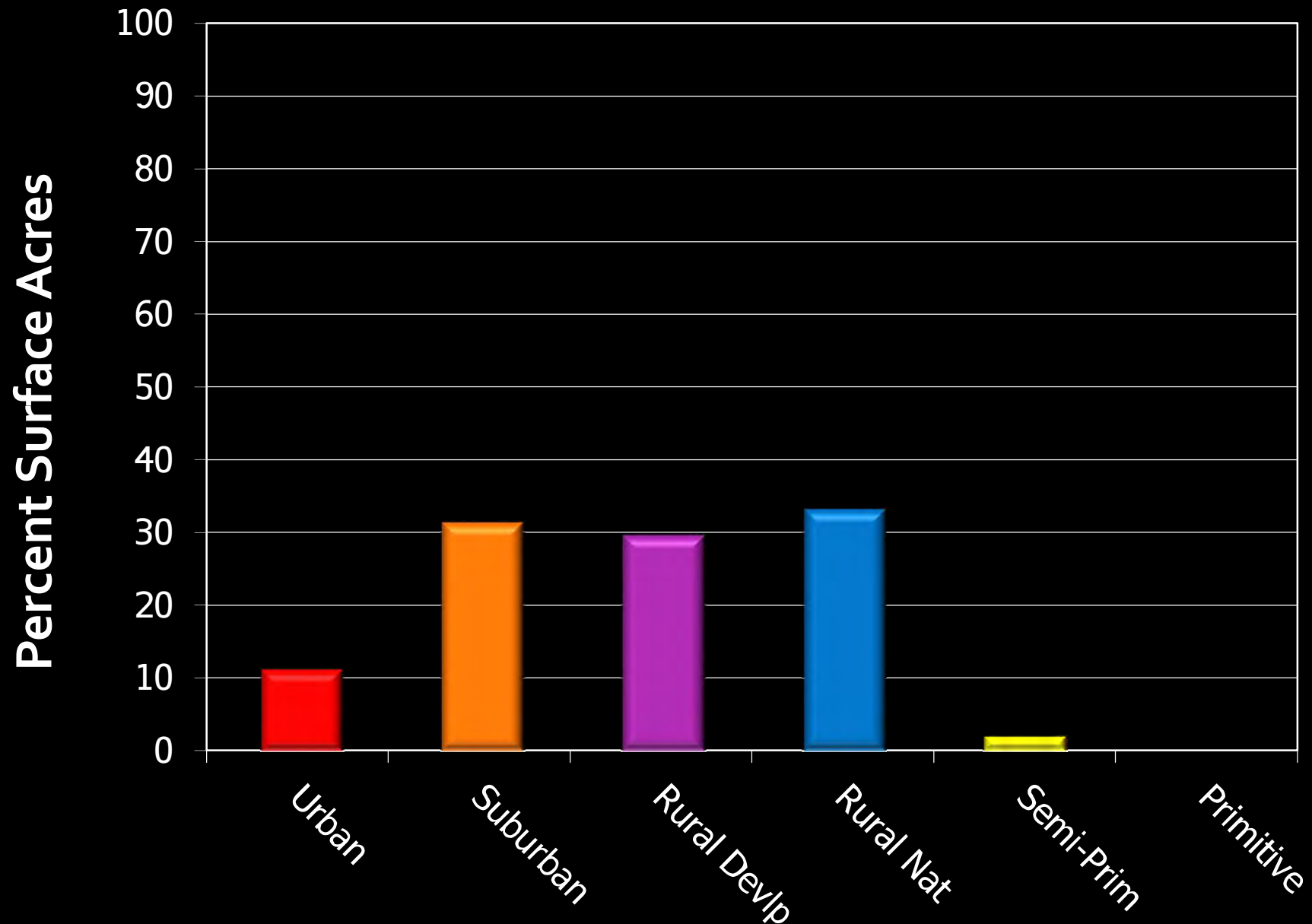
# Planning: a Regional View



# Planning: A Water body View

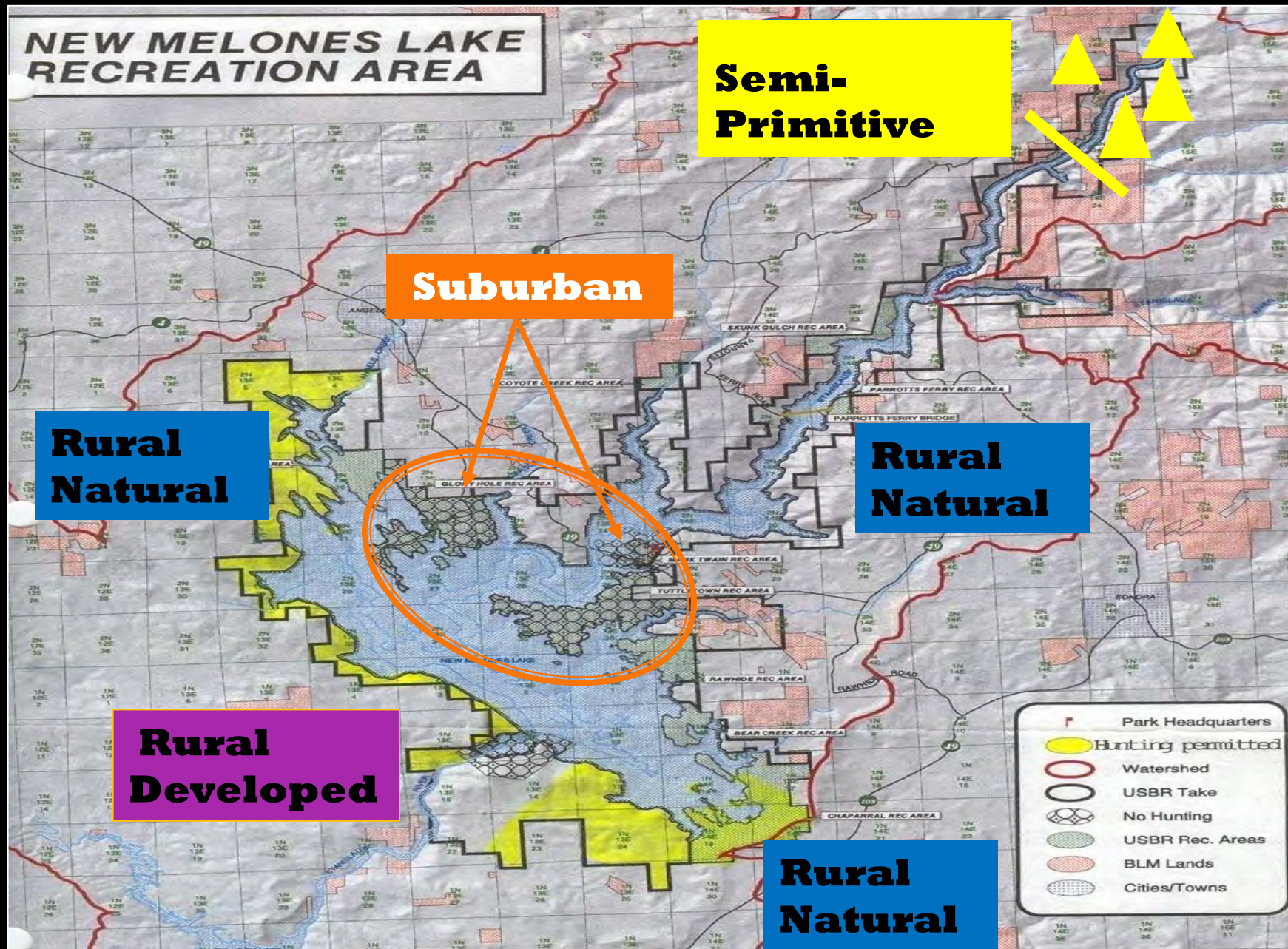


# Regional View by WALROS Class





# Diversify recreation opportunities



# Benefits of WALROS

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- Visual map & understanding of settings & recreation opportunities
- Assessment of proposed changes
- Understandable/intuitive to public
- Improve communication with stakeholders
- Defensible decision making
- Easy & inexpensive
- High quality, diverse, recreation opportunities