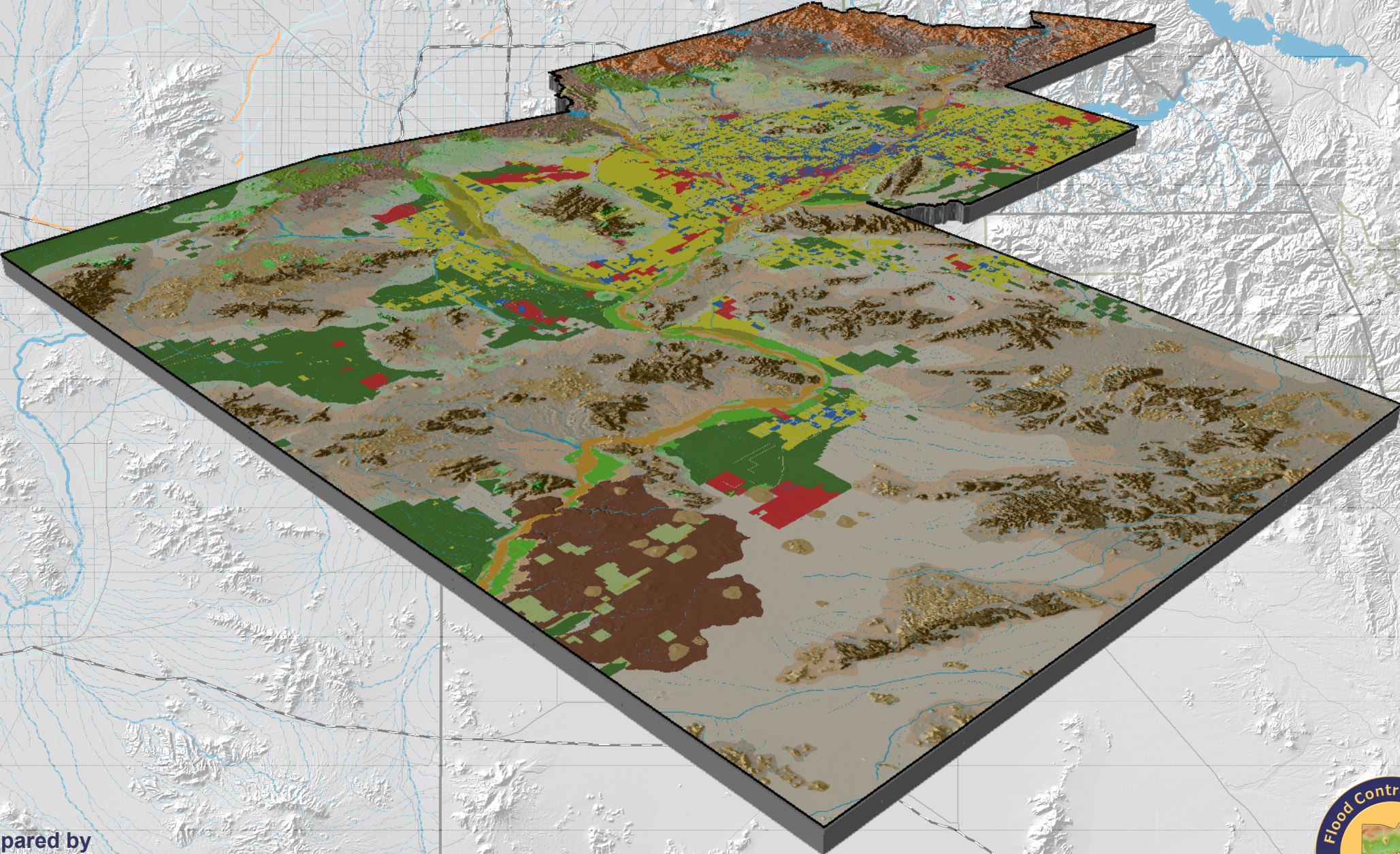
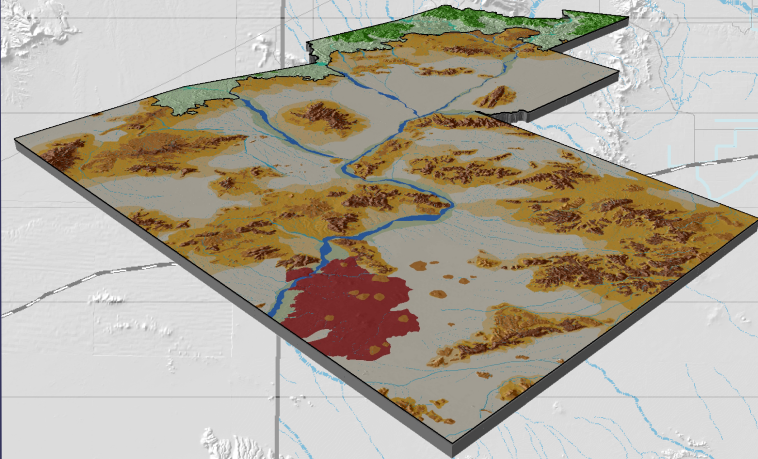
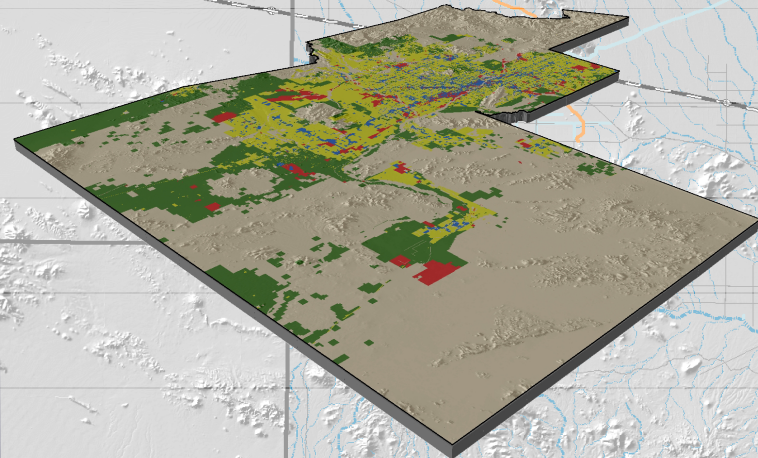
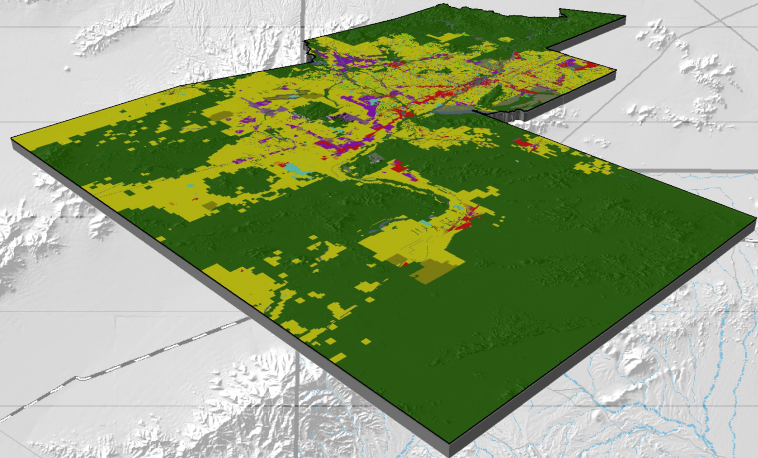
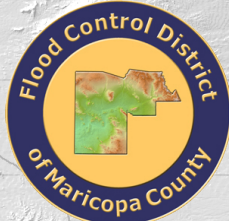


LANDSCAPE INVENTORY & ANALYSIS FOR MARICOPA COUNTY

# MAP ATLAS 2009



Prepared by  
Landscape Architecture Branch  
Flood Control District of Maricopa County  
April 20, 2009



**LANDSCAPE INVENTORY & ANALYSIS FOR MARICOPA COUNTY**

# **MAP ATLAS 2009**

Prepared by  
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April 20, 2009



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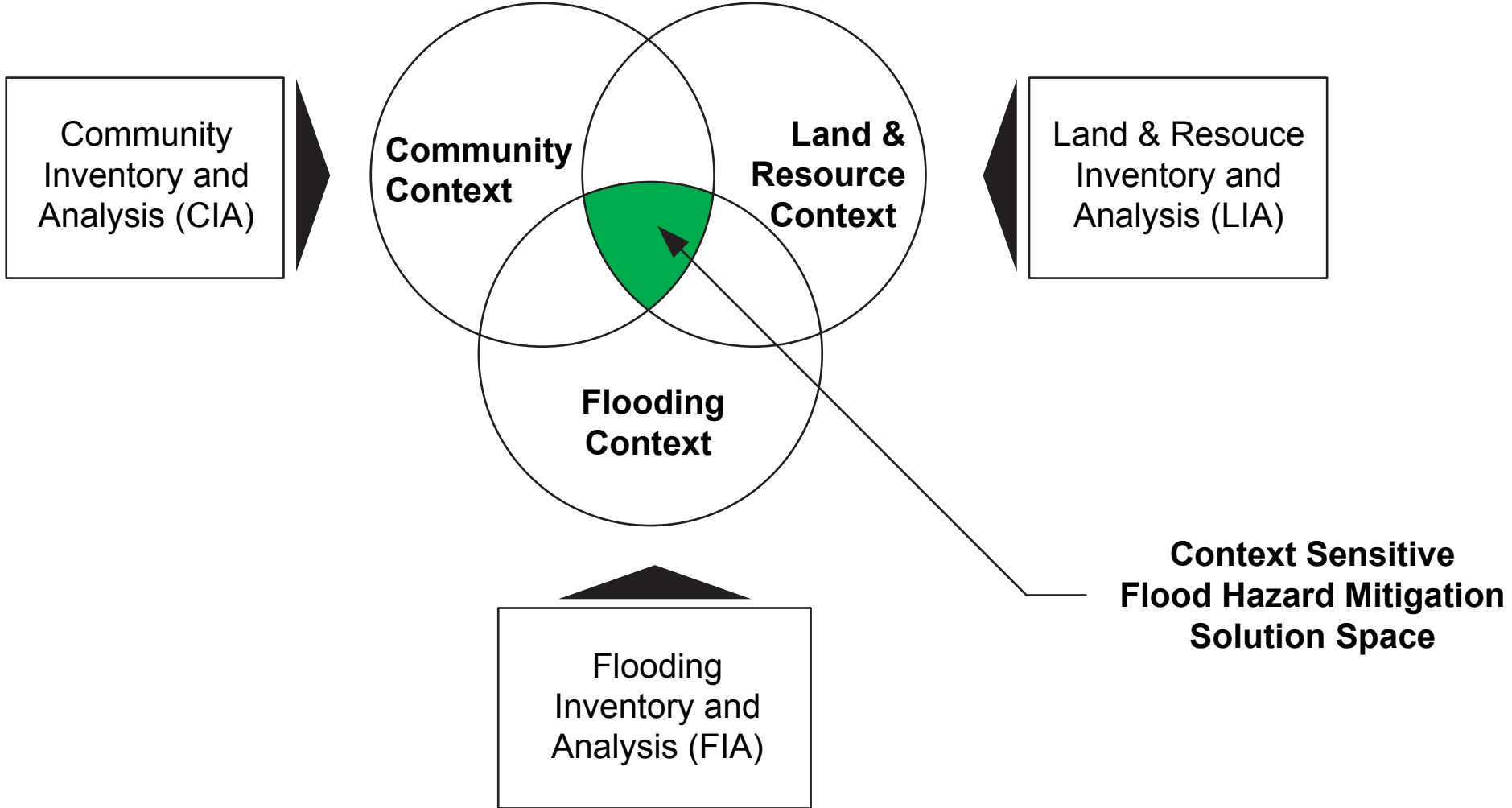
##### **Floodplain Management Strategies Compatibility Analysis (Reserved)**

#### **Appendix**

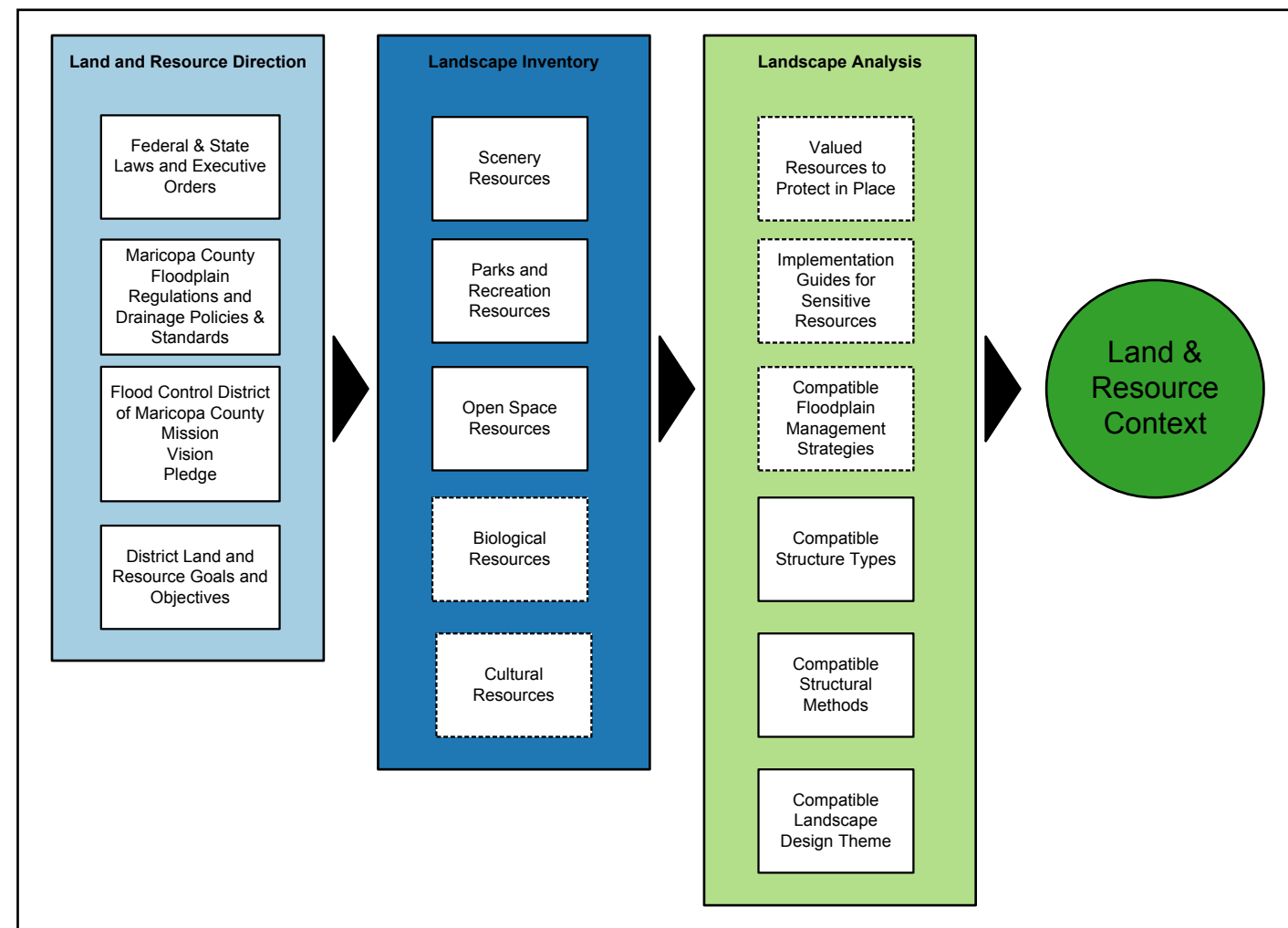
- Detailed Landscape Inventory & Analysis Process
- Maricopa Association of Government Land Use Codes Conversion Table



# Context Sensitive Flood Hazard Mitigation Planning & Design Model



# Landscape Inventory & Analysis Process (LIA)



Currently Available  
 Under Development

# Landscape Inventory

Scenery Resources

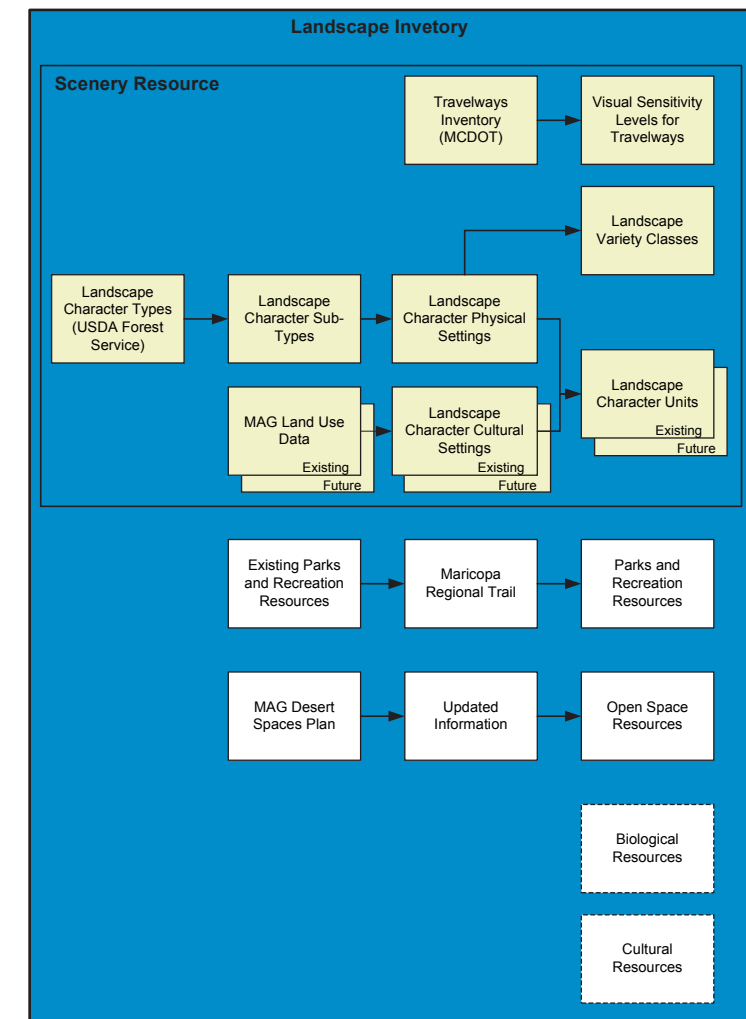
Parks and Recreation Resources

Open Space Resources

Biological Resources (Reserved)

Cultural Resources (Reserved)

# Scenery Resource Inventory



# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment LANDSCAPE CHARACTER TYPES

- Tonto
- Sonoran Desert

### LANDSCAPE CHARACTER TYPES OF ARIZONA



### REFERENCE FEATURES

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

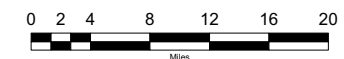
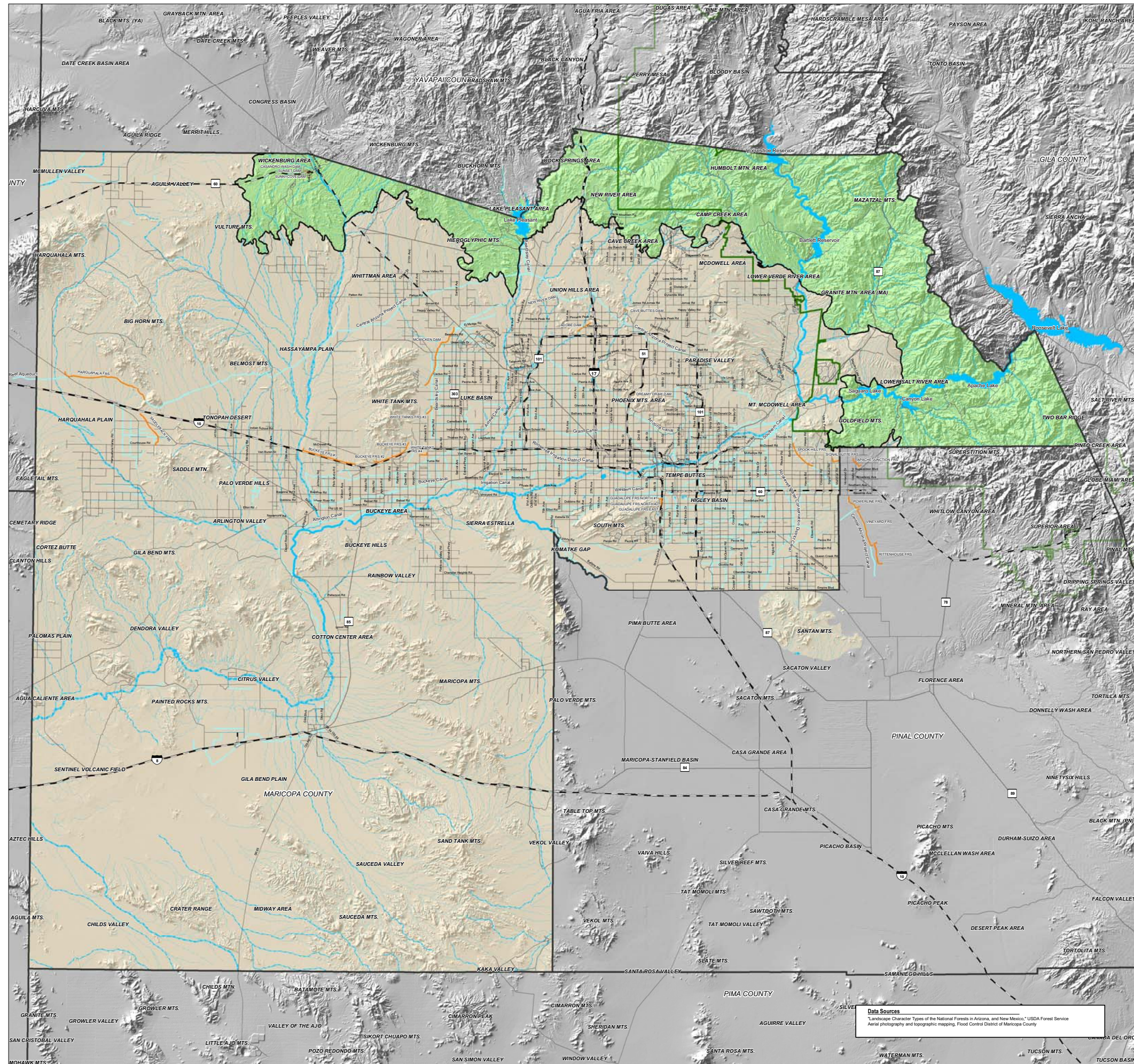


Figure 1






**Data Sources**  
 "Landscape Character Types of the National Forests in Arizona, and New Mexico," USDA Forest Service  
 Aerial photography and topographic mapping, Flood Control District of Maricopa County






# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment LANDSCAPE CHARACTER TYPES AND SUBTYPES

### TONTO CHARACTER TYPE

-  Sonoran Arizona Uplands Subtype
-  Upper Tonto Subtype
-  Tonto Riverlands











### SONORAN DESERT CHARACTER TYPE

-  Sonoran River Lands Subtype
-  Sonoran Valley Lands Subtype
-  Sonoran Mountain Lands Subtype

### LANDSCAPE CHARACTER TYPES OF ARIZONA



### REFERENCE FEATURES

-  Tonto National Forest Boundary
-  County Boundary
-  Interstate Highways
-  State Highways
-  Major Roads
-  Flood Control Structures
-  Canals
-  Intermittent Streams
-  Perennial Streams
-  Lakes

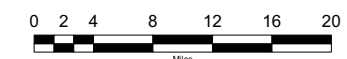
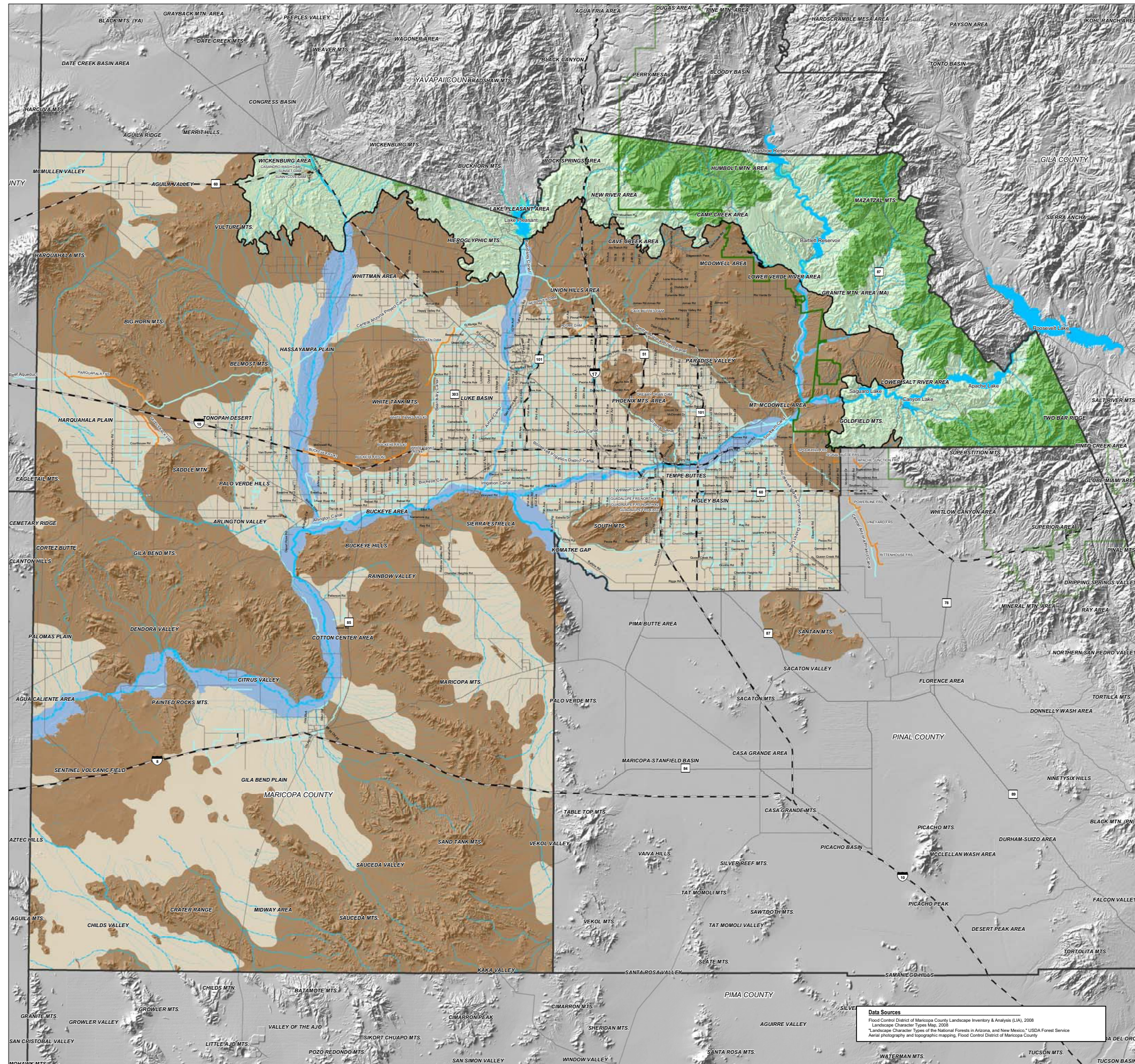


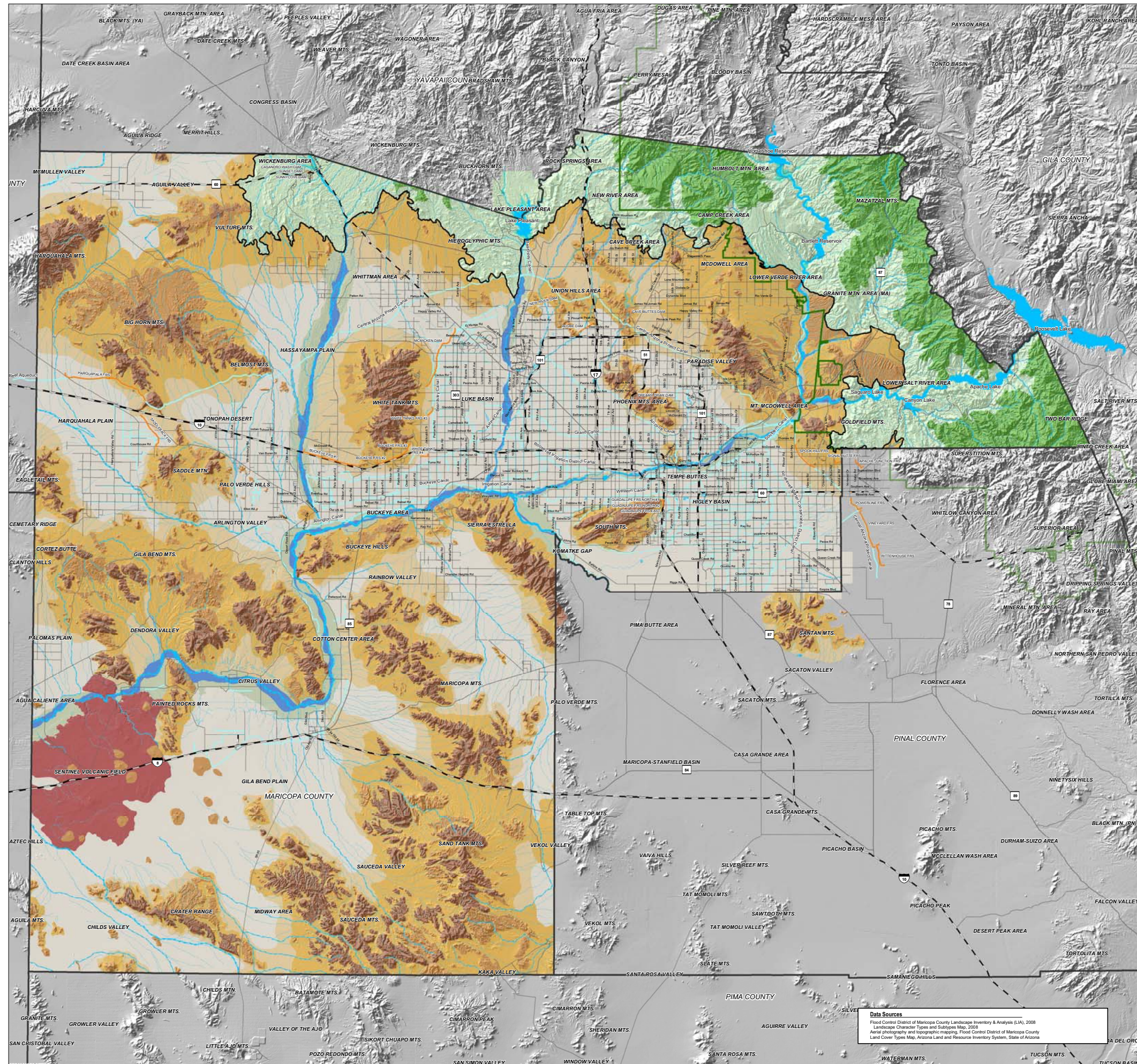
Figure 2



**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
 Landscape Character Types Map, 2008  
 "Landscape Character Types of the National Forests in Arizona, and New Mexico," USDA Forest Service  
 Aerial photography and topographic mapping, Flood Control District of Maricopa County

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment LANDSCAPE CHARACTER PHYSICAL SETTINGS



### TONTO CHARACTER TYPE

- Sonoran Arizona Uplands
- Upland Wash
- Upper Tonto
- Upper Tonto Streams
- Tonto Riverlands

\*Note: The physical units within the Tonto Character Type have not been delineated beyond the subtype level.

### SONORAN DESERT CHARACTER TYPE

#### Sonoran River Lands Subtype

- River Channel
- River Terrace

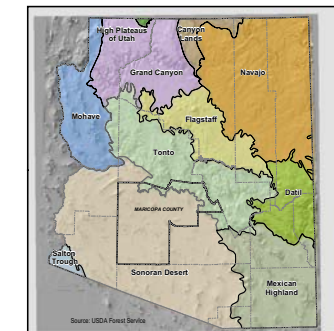
#### Sonoran Valley Lands Subtype

- Valley Wash
- Valley Plains

#### Sonoran Mountain Lands Subtype

- Arroyo
- Lower Bajada
- Upper Bajada
- Foothills
- Mountains
- Volcanic Field

### LANDSCAPE CHARACTER TYPES OF ARIZONA



### REFERENCE FEATURES

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

**Data Sources**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIAI), 2008  
 Landscape Character Types and Subtypes Map, 2008  
 Aerial photography and topographic mapping, Flood Control District of Maricopa County  
 Land Cover Types Map, Arizona Land and Resource Inventory System, State of Arizona

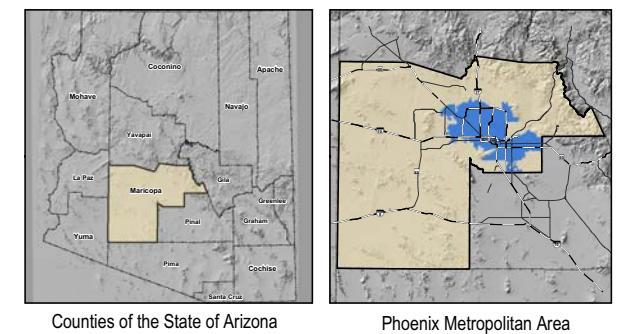
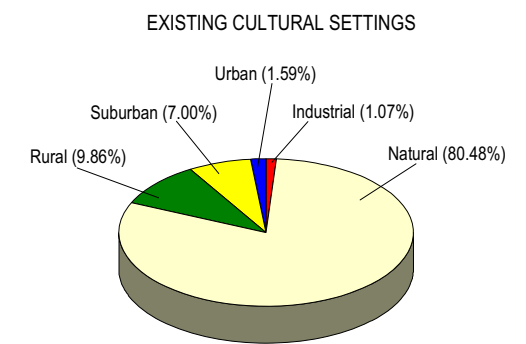


Figure 3

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment EXISTING LANDSCAPE CHARACTER CULTURAL SETTINGS

- Natural Landscape Cultural Setting
- Rural Landscape Cultural Setting
- Suburban Landscape Cultural Setting
- Urban Landscape Cultural Setting
- Industrial Landscape Cultural Setting



### REFERENCE FEATURES

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

**Data Sources**  
 MAG 2004 Land Use data base  
 Reclassification of 2005 MAG Land Use classifications into Cultural Settings by Flood Control District of Maricopa County

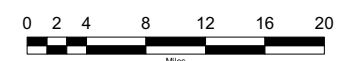
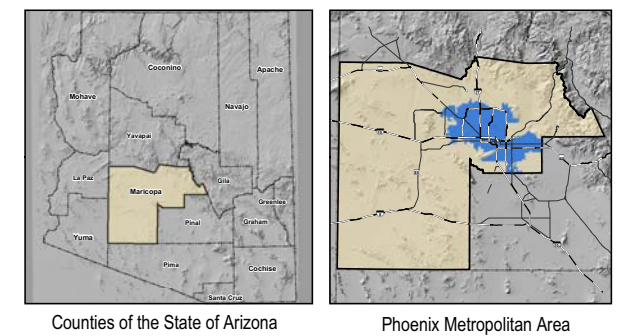
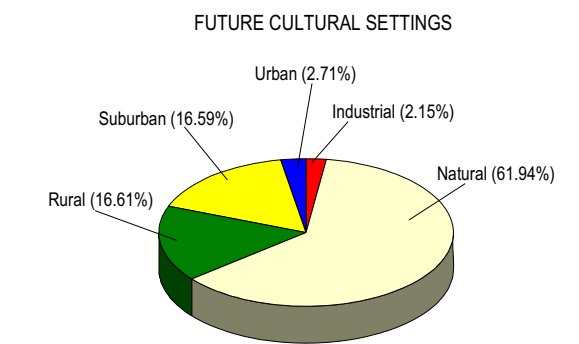


Figure 4

# Landscape Inventory & Analysis for Maricopa County

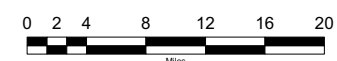
## Scenery Resource Assessment FUTURE LANDSCAPE CHARACTER CULTURAL SETTINGS

- Natural Landscape Cultural Setting
- Rural Landscape Cultural Setting
- Suburban Landscape Cultural Setting
- Urban Landscape Cultural Setting
- Industrial Landscape Cultural Setting



### REFERENCE FEATURES

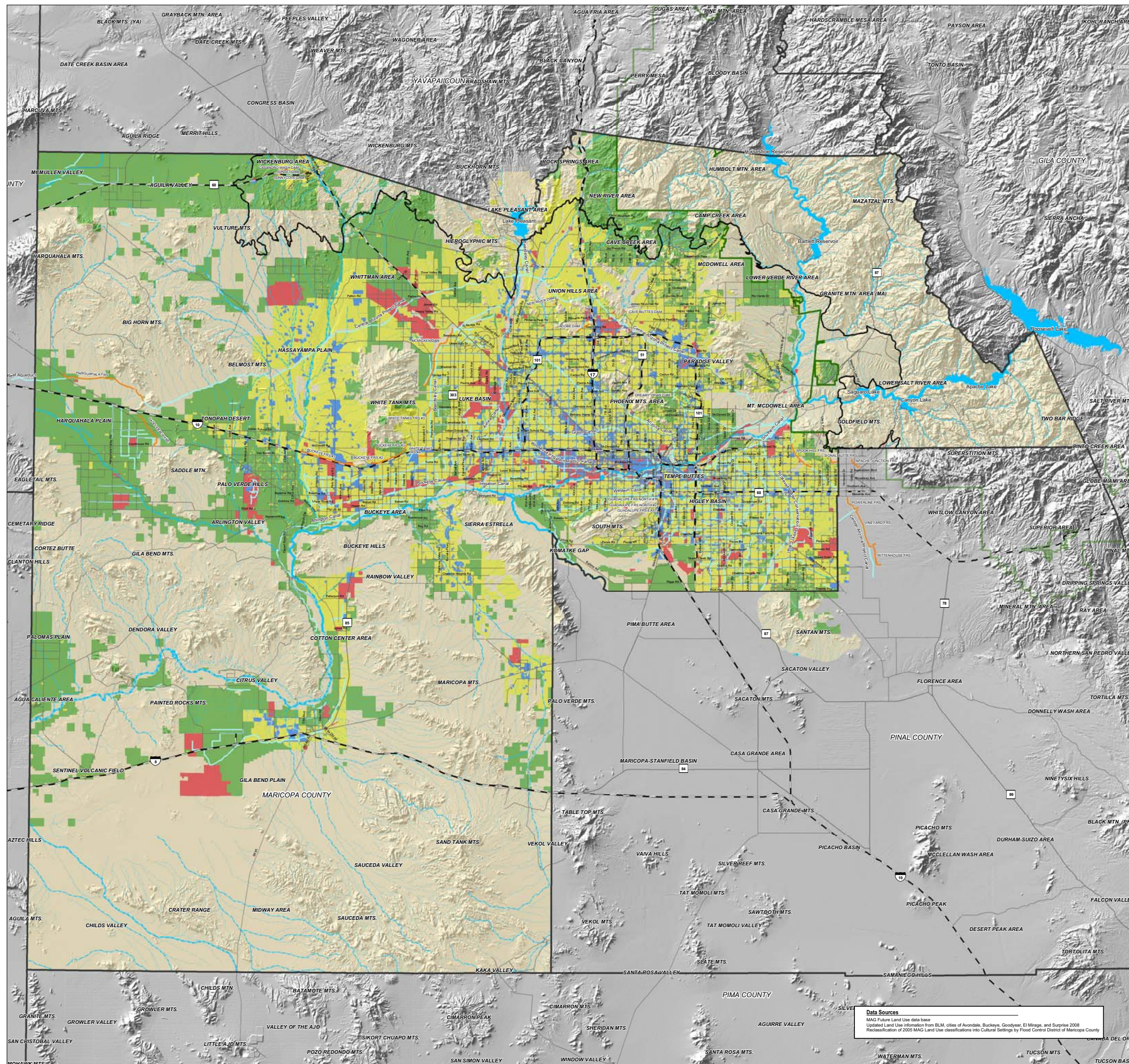
- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes



Prepared by  
Flood Control District of Maricopa County  
September 2008

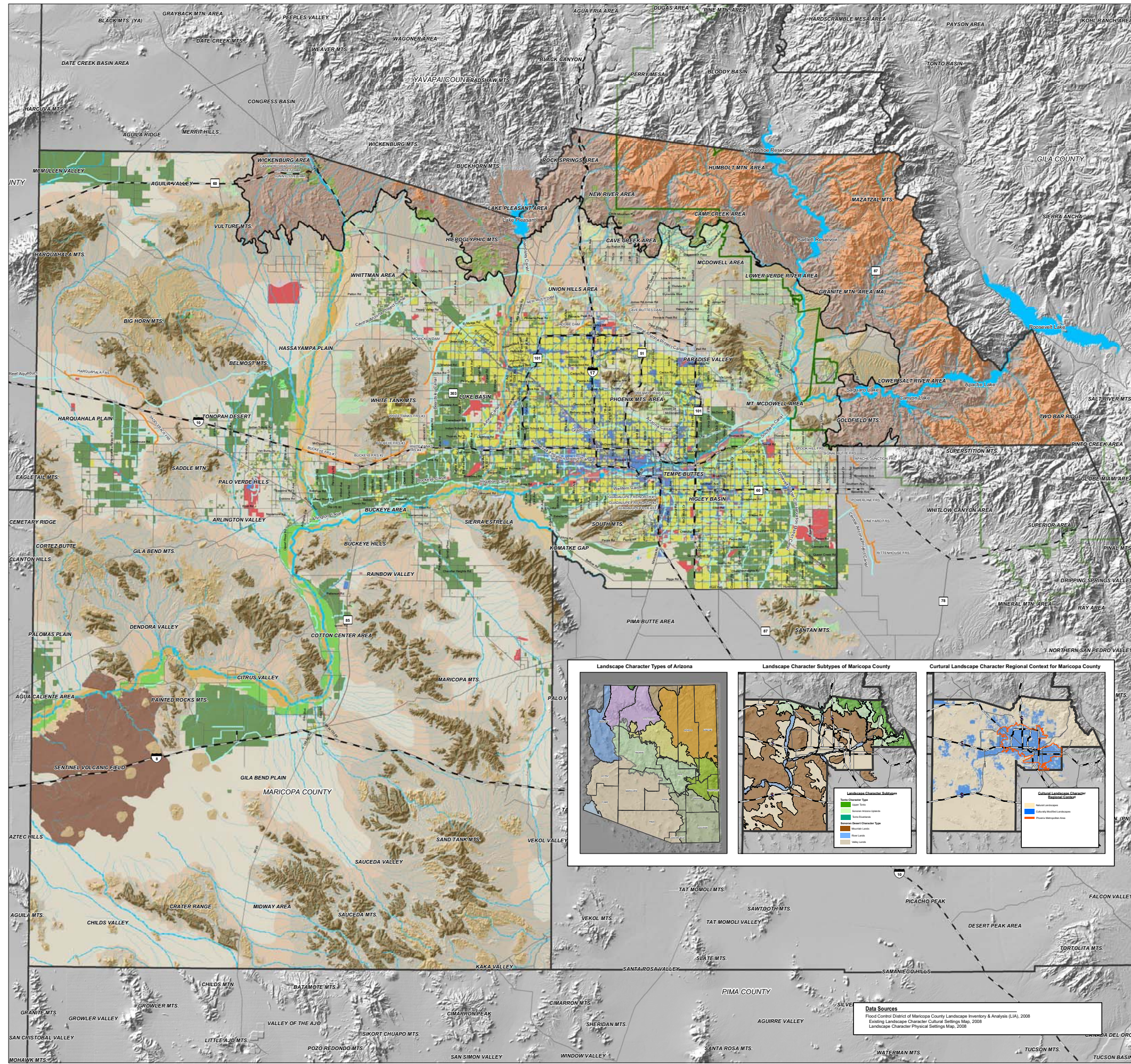


Figure 5

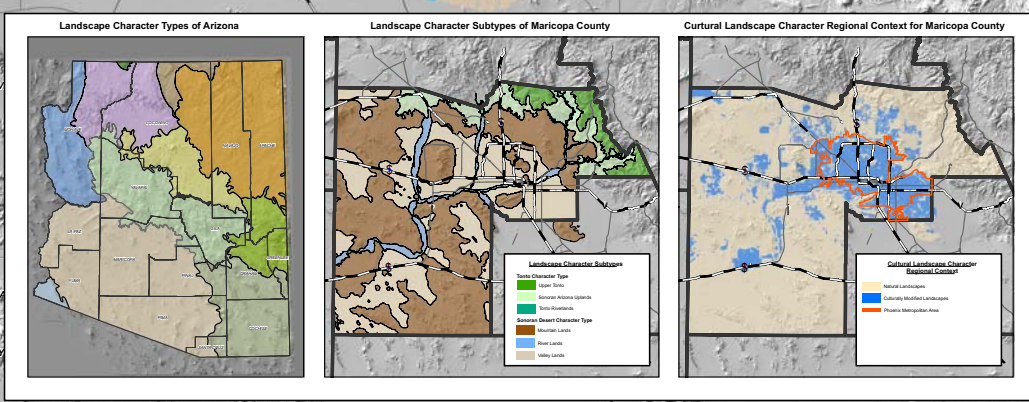


# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment EXISTING LANDSCAPE CHARACTER UNITS



- TONTO CHARACTER TYPE**
- Sonoran Arizona Uplands Subtype**
- NAU Natural Sonoran Arizona Uplands
  - RAU Rural Sonoran Arizona Uplands
  - SAU Suburban Sonoran Arizona Uplands
  - UAU Urban Sonoran Arizona Uplands
  - IAU Industrial Sonoran Arizona Uplands
  - NUW Natural Uplands Wash
  - RUW Rural Uplands Wash
  - SUW Suburban Uplands Wash
  - UWU Urban Uplands Wash
  - IWU Industrial Uplands Wash
- Upper Tonto Subtype**
- NUU Natural Upper Tonto
  - RUU Rural Upper Tonto
  - NUSS Natural Upper Tonto Stream
  - RUSS Rural Upper Tonto Stream
- Tonto Riverlands**
- NTR Natural Tonto River
  - RTR Rural Tonto River
  - STR Suburban Tonto River
  - UTR Urban Tonto River
  - ITR Industrial Tonto River
- SONORAN DESERT CHARACTER TYPE**
- Sonoran River Lands Subtype**
- NRC Natural River Channel Unit
  - RRC Rural River Channel Unit
  - SRC Suburban River Channel Unit
  - URC Urban River Channel Unit
  - IRC Industrial River Channel Unit
  - NRT Natural River Terrace Unit
  - RRT Rural River Terrace Unit
  - SRT Suburban River Terrace Unit
  - URT Urban River Terrace Unit
  - IRT Industrial River Terrace Unit
- Sonoran Valley Lands Subtype**
- NVW Natural Valley Washes Unit
  - RVW Rural Valley Wash Unit
  - SVW Suburban Valley Wash Unit
  - UVW Urban Valley Wash Unit
  - IWV Industrial Valley Wash Unit
  - NVP Natural Valley Plains Unit
  - RVV Rural Valley Plains Unit
  - SVV Suburban Valley Plains Unit
  - UVV Urban Valley Plains Unit
  - IVP Industrial Valley Plains Unit
- Sonoran Mountain Lands Subtype**
- NA Natural Arroyo Unit
  - RA Rural Arroyo Unit
  - SA Suburban Arroyo Unit
  - UA Urban Arroyo Unit
  - IA Industrial Arroyo Unit
  - NUB Natural Upper Bajada Unit
  - RUB Rural Upper Bajada Unit
  - SUB Suburban Upper Bajada Unit
  - UB Urban Upper Bajada Unit
  - IUB Industrial Upper Bajada Unit
  - NLB Natural Lower Bajada Unit
  - RLB Rural Lower Bajada Unit
  - SLB Suburban Lower Bajada Unit
  - ULB Urban Lower Bajada Unit
  - NF Natural Foothills Unit
  - RF Rural Foothills Unit
  - SF Suburban Foothills Unit
  - UF Urban Foothills Unit
  - IF Industrial Foothills Unit
  - NM Natural Mountains Unit
  - RM Rural Mountains Unit
  - SM Suburban Mountains Unit
  - UM Urban Mountains Unit
  - IM Industrial Mountains Unit
  - NVF Natural Volcanic Field Unit
  - RVF Rural Volcanic Field Unit
  - SVF Suburban Volcanic Field Unit
  - IVF Industrial Volcanic Field Unit



- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
 Existing Landscape Character Cultural Settings Map, 2008  
 Landscape Character Physical Settings Map, 2008

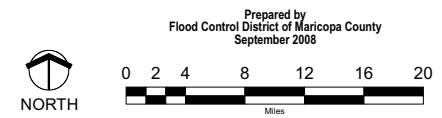
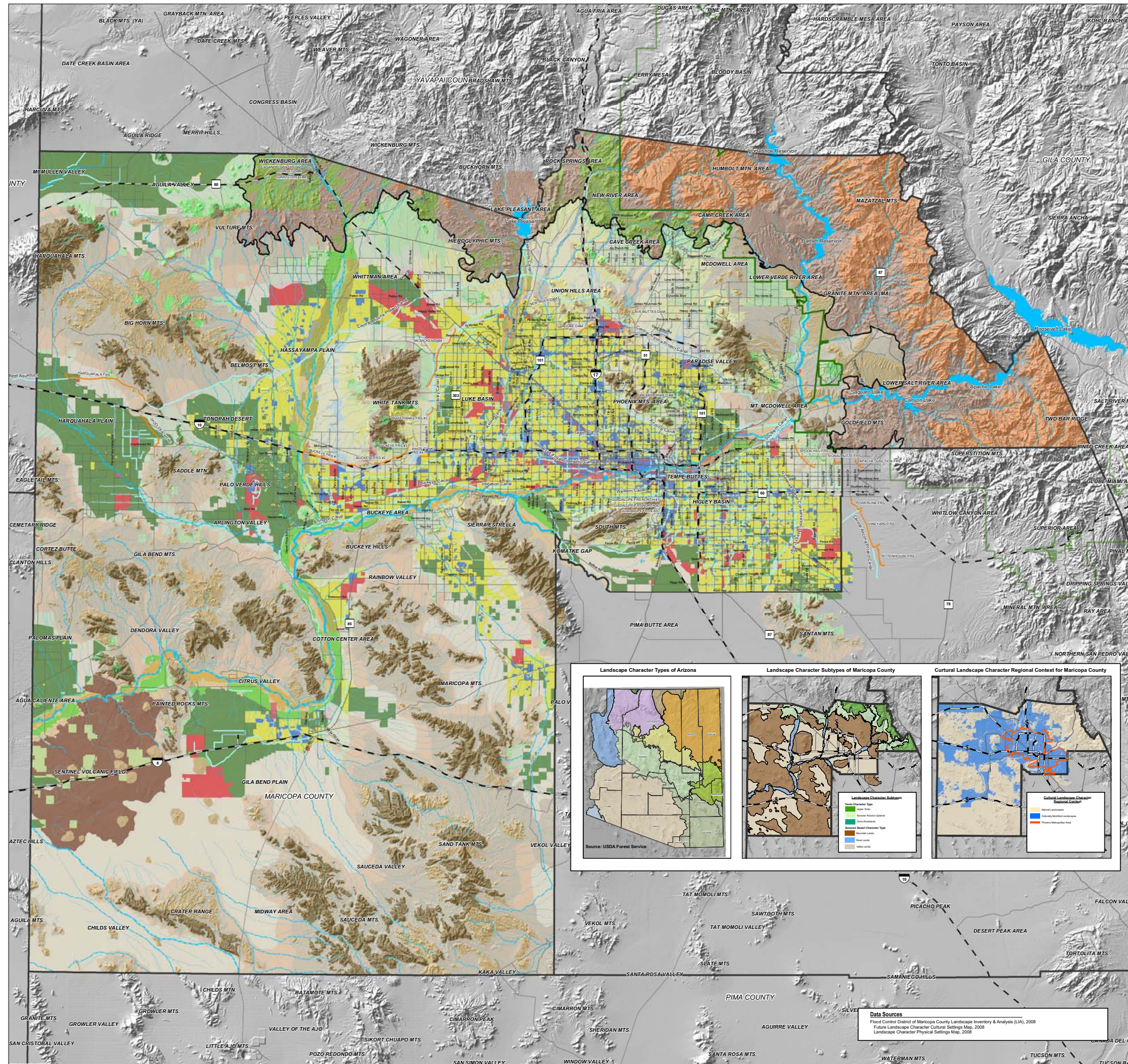


Figure 6

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment FUTURE LANDSCAPE CHARACTER UNITS



**TONTO CHARACTER TYPE**

<b>Sonoran Arizona Uplands Subtype</b>			
	Natural Sonoran Arizona Uplands		Natural Uplands Wash
	Rural Sonoran Arizona Uplands		Rural Uplands Wash
	Suburban Sonoran Arizona Uplands		Suburban Uplands Wash
	Urban Sonoran Arizona Uplands		Urban Uplands Wash
	Industrial Sonoran Arizona Uplands		Industrial Uplands Wash

**Upper Tonto Subtype**

	Natural Upper Tonto		Rural Upper Tonto
	Natural Upper Tonto Stream		Rural Upper Tonto Stream

**Tonto Riverlands**

	Natural Tonto River		Urban Tonto River
	Rural Tonto River		Industrial Tonto River
	Suburban Tonto River		

**SONORAN DESERT CHARACTER TYPE**

<b>Sonoran River Lands Subtype</b>			
	Natural River Channel Unit		Natural River Terrace Unit
	Rural River Channel Unit		Rural River Terrace Unit
	Suburban River Channel Unit		Suburban River Terrace Unit
	Urban River Channel Unit		Urban River Terrace Unit
	Industrial River Channel Unit		Industrial River Terrace Unit

**Sonoran Valley Lands Subtype**

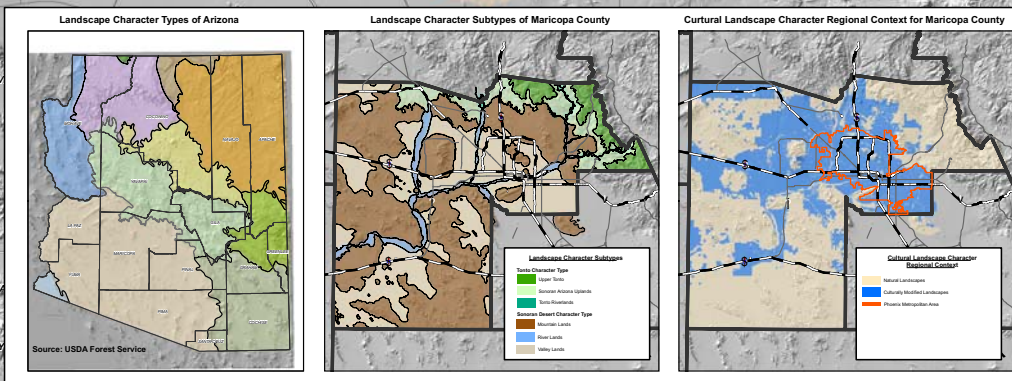
	Natural Valley Washes Unit		Natural Valley Plains Unit
	Rural Valley Wash Unit		Rural Valley Plains Unit
	Suburban Valley Wash Unit		Suburban Valley Plains Unit
	Urban Valley Wash Unit		Urban Valley Plains Unit
	Industrial Valley Wash Unit		Industrial Valley Plains Unit

**Sonoran Mountain Lands Subtype**

	Natural Arroyo Unit		Natural Foothills Unit
	Rural Arroyo Unit		Rural Foothills Unit
	Suburban Arroyo Unit		Suburban Foothills Unit
	Urban Arroyo Unit		Urban Foothills Unit
	Industrial Arroyo Unit		Industrial Foothills Unit
	Natural Upper Bajada Unit		Natural Mountains Unit
	Rural Upper Bajada Unit		Rural Mountains Unit
	Suburban Upper Bajada Unit		Suburban Mountains Unit
	Urban Upper Bajada Unit		Urban Mountains Unit
	Industrial Upper Bajada Unit		Industrial Mountains Unit
	Natural Lower Bajada Unit		Natural Volcanic Field Unit
	Rural Lower Bajada Unit		Rural Volcanic Field Unit
	Suburban Lower Bajada Unit		Suburban Volcanic Field Unit
	Urban Lower Bajada Unit		Industrial Lower Bajada Unit

**REFERENCE FEATURES**

	Tonto National Forest Boundary		Flood Control Structures
	County Boundary		Canals
	Interstate Highways		Intermittent Streams
	State Highways		Perennial Streams
	Major Roads		Lakes



**Data Sources**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
 Future Landscape Character Cultural Settings Map, 2008  
 Landscape Character Physical Settings Map, 2008

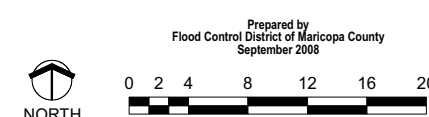





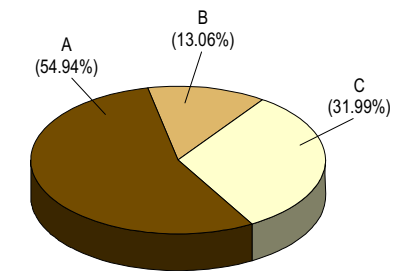
Figure 7

# Landscape Inventory & Analysis for Maricopa County











## Scenery Resource Assessment LANDSCAPE VARIETY CLASSES

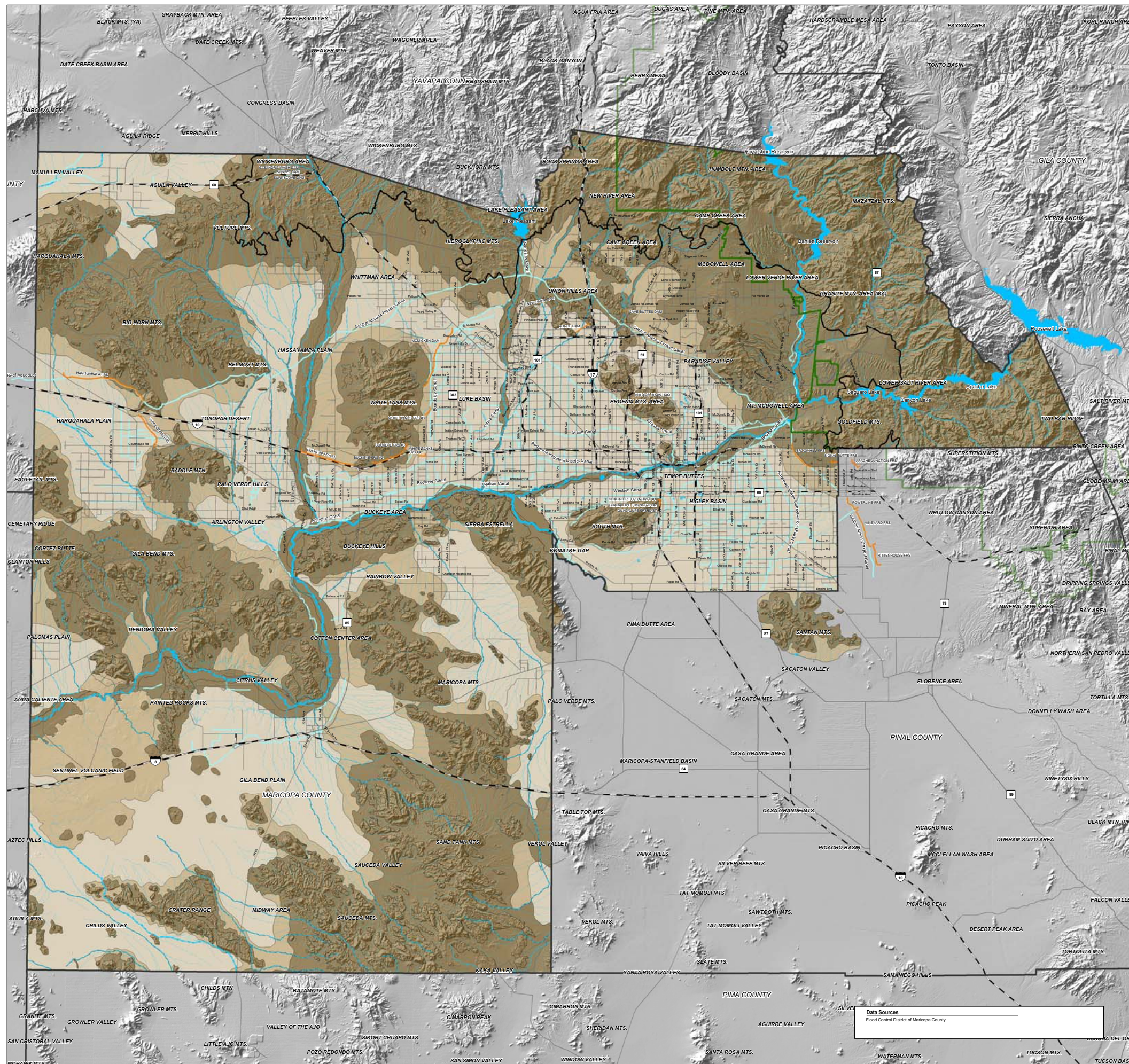
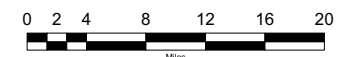
-  Variety Class A - Distinctive
-  Variety Class B - Common
-  Variety Class C - Minimal

### LANDSCAPE VARIETY CLASSES



### REFERENCE FEATURES

-  Tonto National Forest Boundary
-  County Boundary
-  Interstate Highways
-  State Highways
-  Major Roads
-  Flood Control Structures
-  Canals
-  Intermittent Streams
-  Perennial Streams
-  Lakes










Data Sources:  
Flood Control District of Maricopa County

Prepared by  
Flood Control District of Maricopa County  
September 2008

















Figure 8

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment PRIMARY TRAVELWAYS VISUAL SENSITIVITY LEVELS

-  Foreground Visual Sensitivity Level 1
-  Middleground Visual Sensitivity Level 1
-  Background Visual Sensitivity Level 1
-  Foreground Visual Sensitivity Level 2
-  Middleground Visual Sensitivity Level 2
-  Background Visual Sensitivity Level 2
-  Visual Sensitivity Level 3

### REFERENCE FEATURES

-  Interstate Highways or Freeways
-  State Highways
-  Divided Highways
-  Scenic Routes
-  Arterial (paved)
-  Arterial (unpaved)
-  Collector (paved)
-  Collector (unpaved)
-  Maricopa County Regional Trail System
-  Tonto National Forest Boundary
-  County Boundary
-  Flood Control Structures
-  Canals
-  Intermittent Stream
-  Perennial Stream
-  Lakes

**Data Sources**  
Flood Control District of Maricopa County

Prepared by  
Flood Control District of Maricopa County  
September 2008

0 2 4 8 12 16 20  
Miles


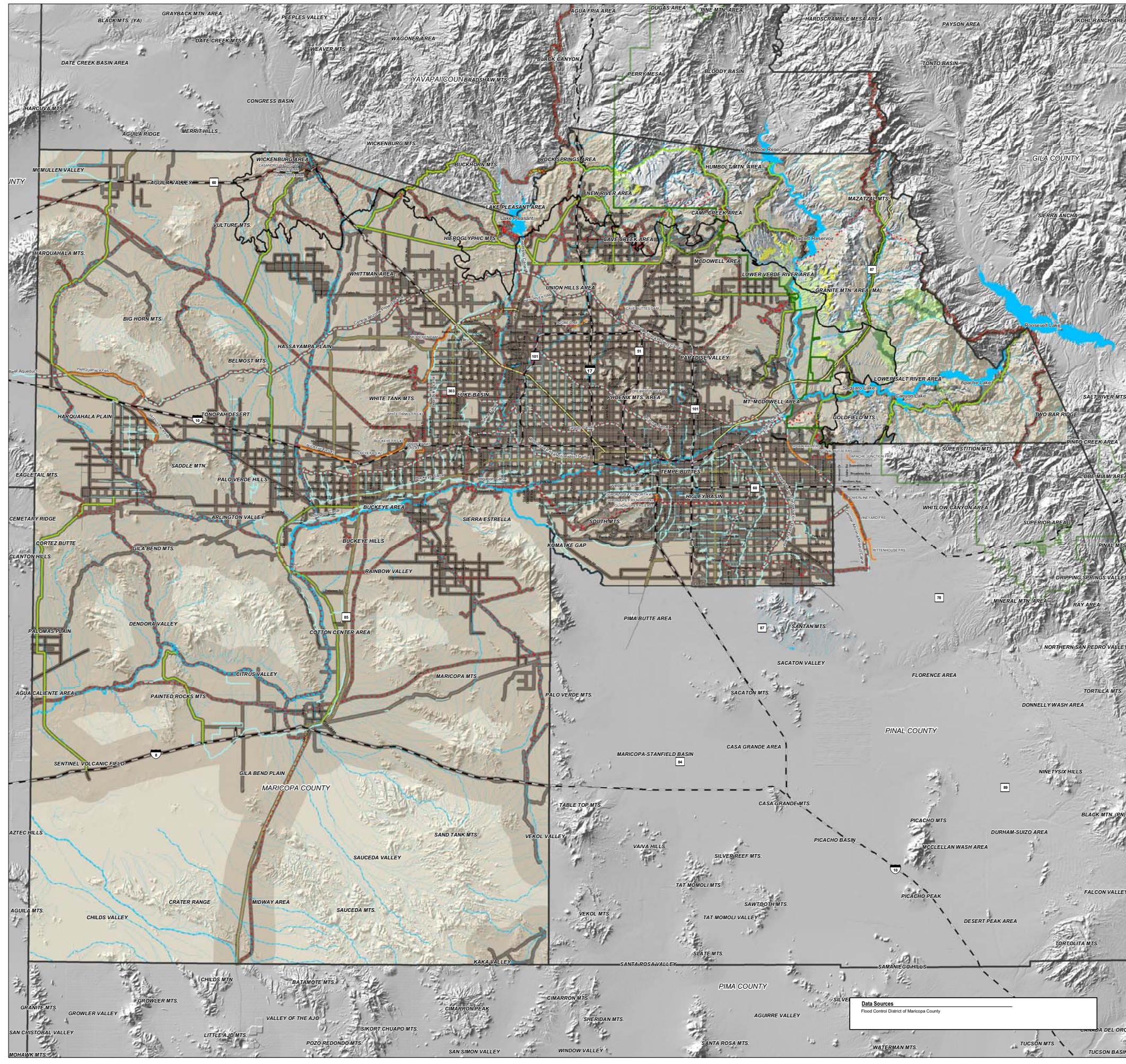
 NORTH

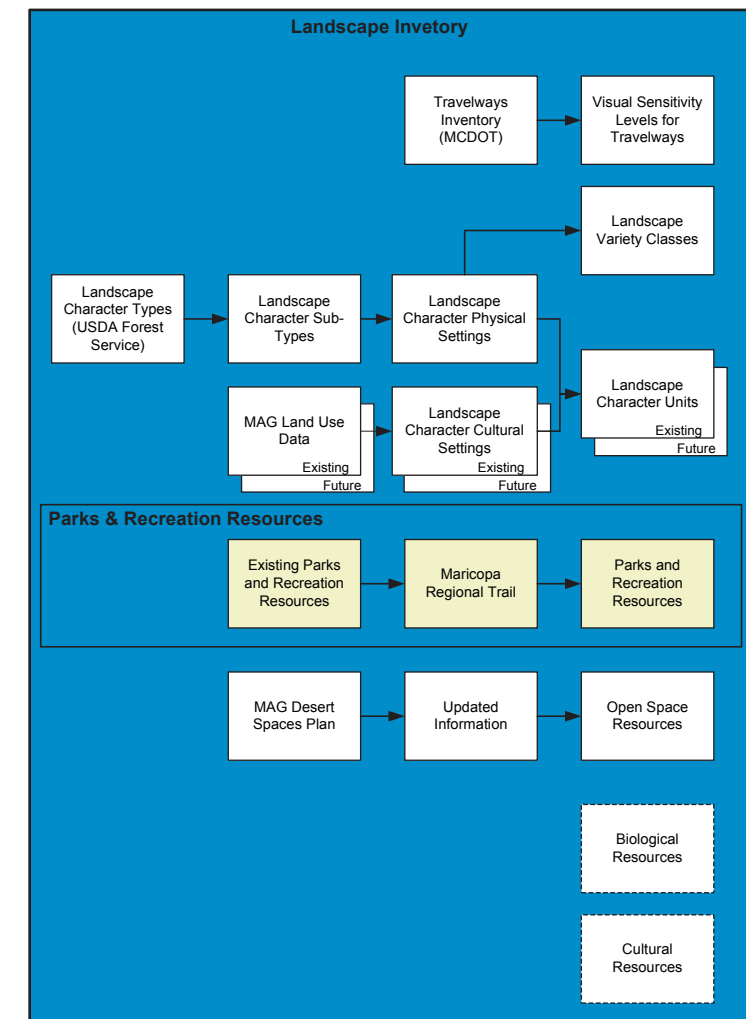


Figure 9



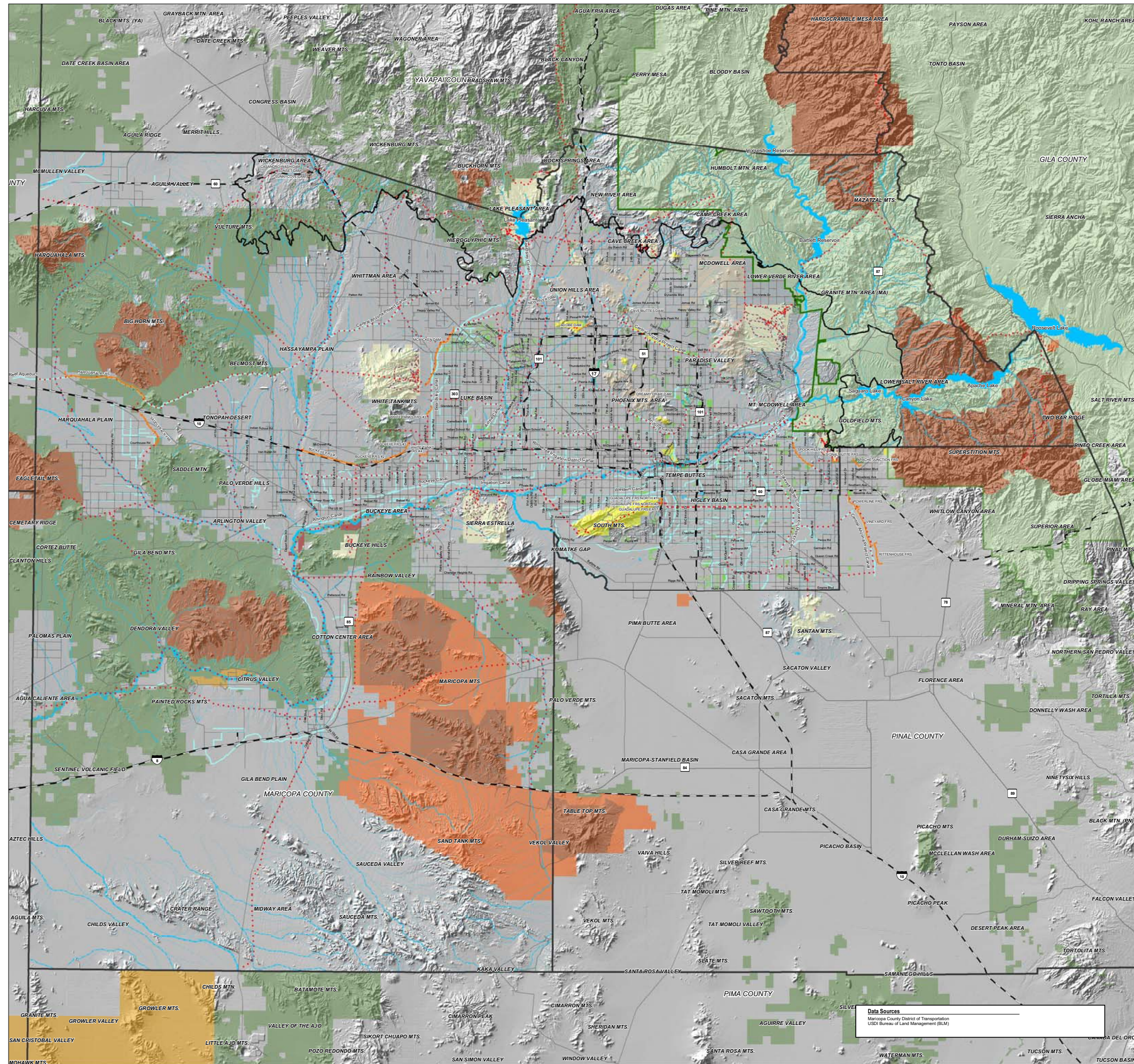


# Parks & Recreation Resources Inventory



# Landscape Inventory & Analysis for Maricopa County

## Parks & Recreation Resource Assessment PARKS & RECREATION RESOURCES



- Federal**
  - Tonto National Forest
  - Wilderness Areas
  - National Monuments
  - National Wildlife Refuges/Preserves
  - Bureau of Land Management
- State**
  - Wildlife Areas
- Regional**
  - County Regional Parks and Recreation Areas
  - City Mountain Preserves
  - City Regional Parks
  - Maricopa Regional Trail System
- Local**
  - County and City Parks
  - Golf Courses

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Public Park trails
  - Lakes

**Data Sources:**  
 Maricopa County District of Transportation  
 USDI Bureau of Land Management (BLM)

Prepared by  
 Flood Control District of Maricopa County  
 September 2008

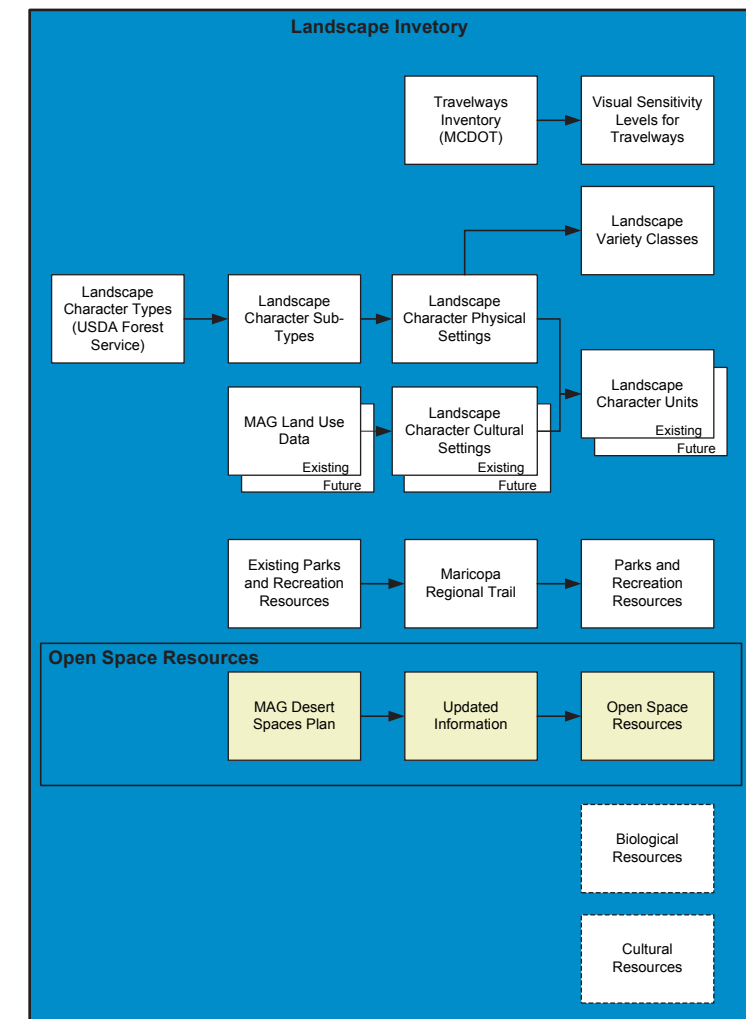
0 2 4 8 12 16 20  
 Miles

NORTH



Figure 10

# Open Space Resources Inventory



# Landscape Inventory & Analysis for Maricopa County

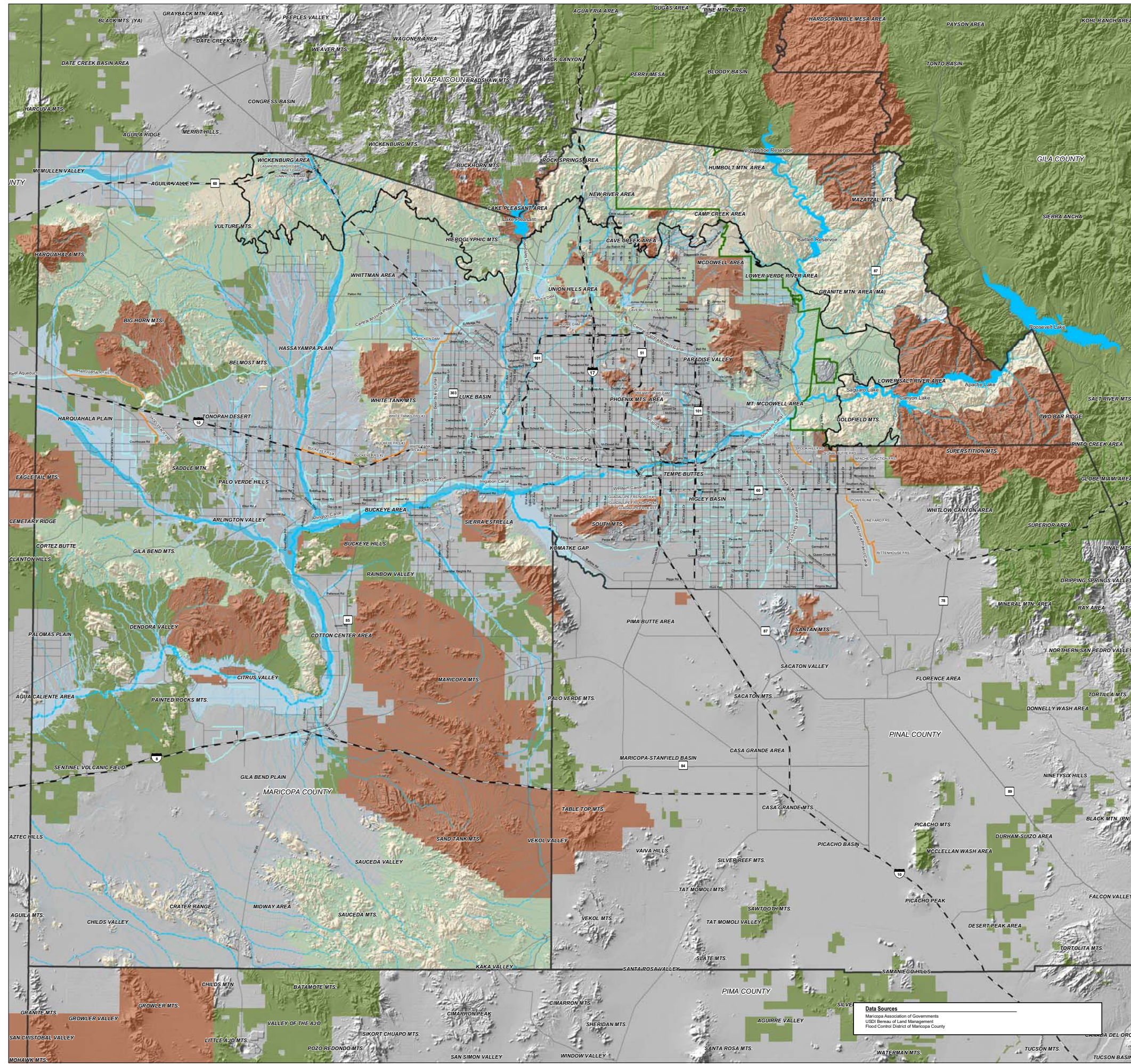
## Open Space Resource Assessment OPEN SPACE RESOURCES

- Secured Open Space**
  - Federal Wilderness Areas
  - Federal National Monuments
  - Federal National Wildlife Refuges/Preserves
  - State Wildlife Areas
  - County Regional Parks
  - County Recreation Areas
  - City Regional Parks
  - City Mountain Preserves
- Open Space Conservation Areas**
- Open Space Retention Areas**
- Other Open Space Areas**
  - BLM Lands
  - National Forest lands
- Floodway**
- Floodplain Fringe & Other Floodplain Zones**

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

Prepared by  
Flood Control District of Maricopa County  
September 2008

0 2 4 8 12 16 20  
Miles



**Data Sources**  
Maricopa Association of Governments  
USDI Bureau of Land Management  
Flood Control District of Maricopa County

Figure 11

# Landscape Analysis

Floodplain Management Strategies Compatibility (Reserved)

Structure Types Compatibility

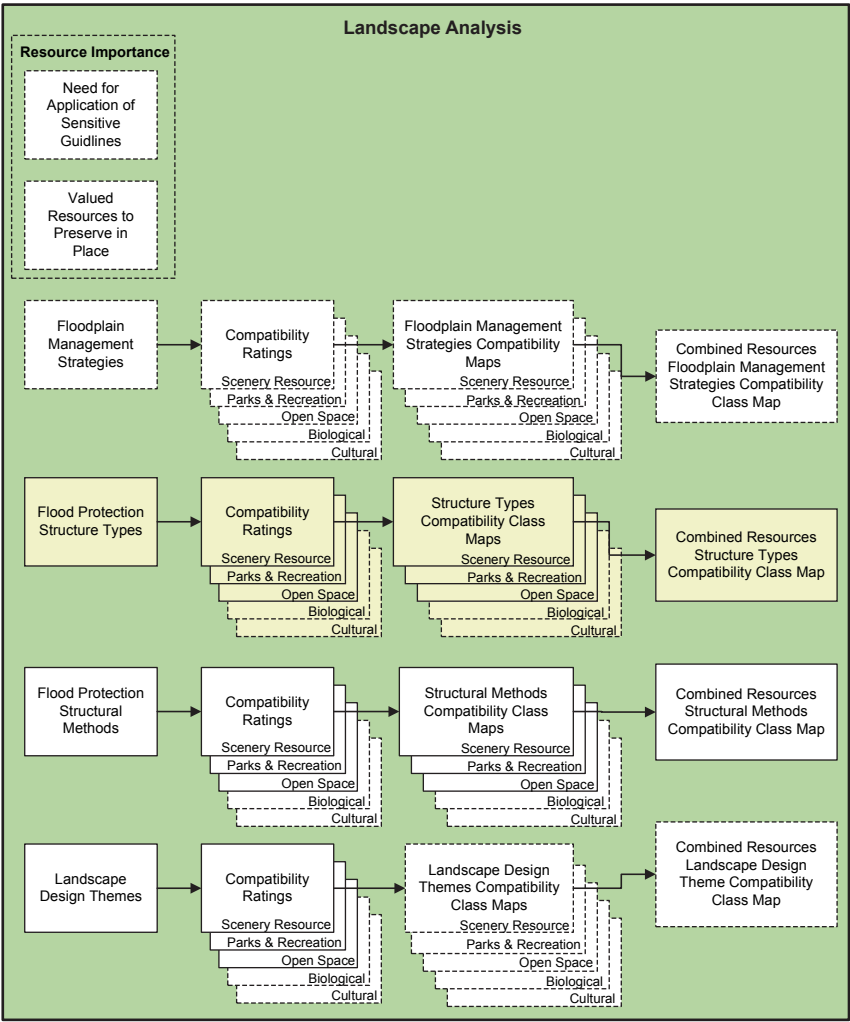
Structural Methods Compatibility

Landscape Design Themes Compatibility

Valued Resources to Protect in Place (Reserved)

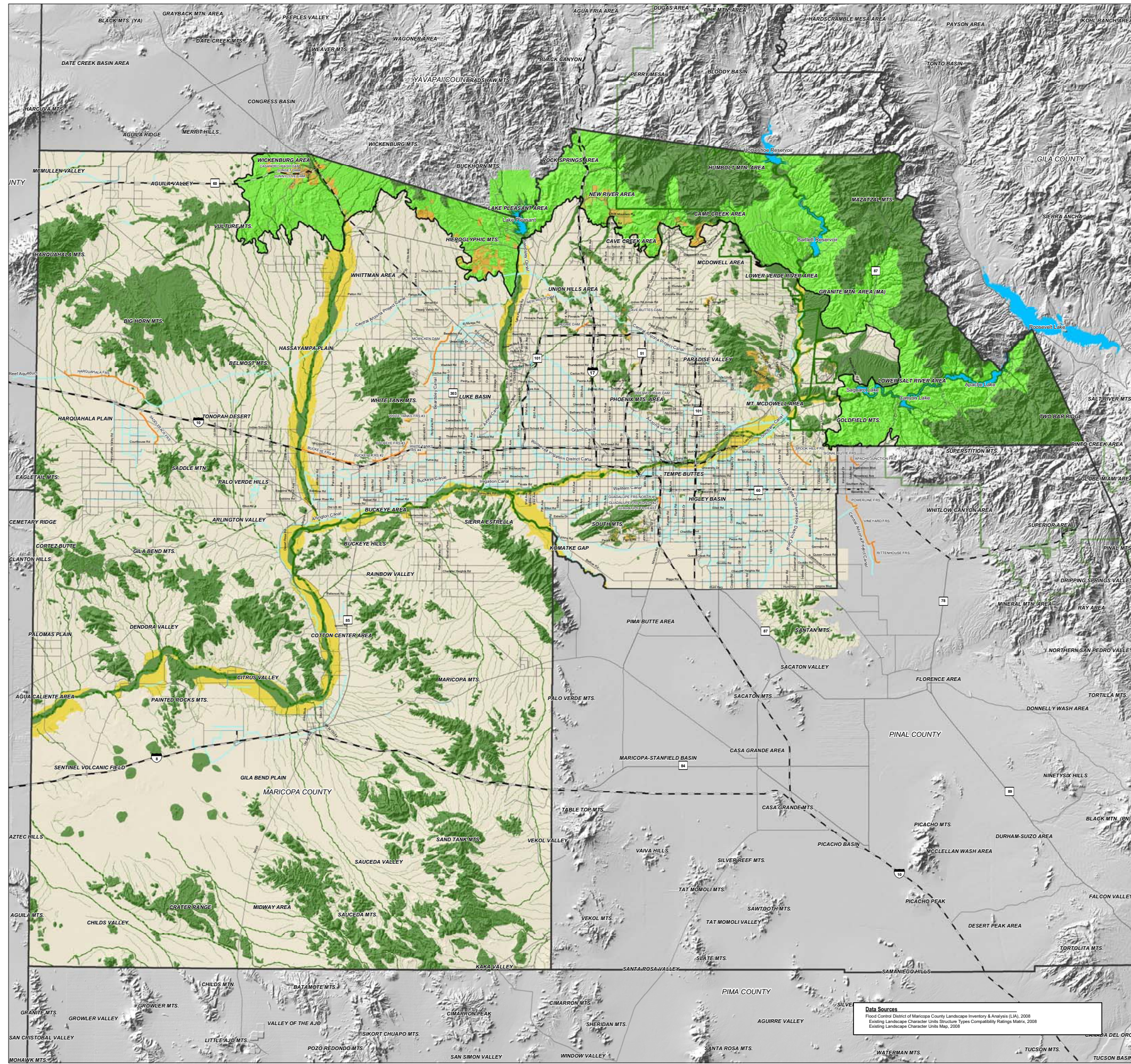
Implementation Guides for Sensitive Resources (Reserved)

# Structure Type Compatibility Analysis



# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment EXISTING LANDSCAPE CHARACTER STRUCTURE TYPES COMPATIBILITY



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	█					
Class 2	█	█				
Class 3	█	█	█			
Class 4	█	█	█	█		
Class 5	█	█	█	█	█	
Class 6	█	█	█	█	█	█

LANDSCAPE CHARACTER COMPATIBILITY RATINGS FOR STRUCTURE TYPES							
Sonoran Desert Character Type	Natural Structures (Class 1)	Underground Pipe (Class 2)	Channel Levee (Class 3)	Conveyance Channel (Class 4)	Storage Basin (Class 5)	Dam (Class 6)	Compatibility Class
<b>Landscape Character Units</b>							
Natural River Channel	█						1
Suburban River Channel	█						1
Urban River Channel	█						1
Industrial River Channel	█						1
Natural River Terrace	█						5.1
Suburban River Terrace	█						5.2
Urban River Terrace	█						5.3
Industrial River Terrace	█						5.4
Natural Valley Plain	█						6.3
Suburban Valley Plain	█						6.4
Urban Valley Plain	█						6.5
Industrial Valley Plain	█						6.6
Natural Valley Wash	█						1
Suburban Valley Wash	█						1
Urban Valley Wash	█						1
Industrial Valley Wash	█						1
<b>Rural Areas</b>							
Rural Arroyo	█						1
Suburban Arroyo	█						1
Urban Arroyo	█						1
Industrial Arroyo	█						1
Natural Upper Riparian	█						6.1
Suburban Upper Riparian	█						6.2
Urban Upper Riparian	█						6.3
Industrial Upper Riparian	█						6.4
Natural Lower Riparian	█						6.2
Suburban Lower Riparian	█						6.2
Urban Lower Riparian	█						6.2
Industrial Lower Riparian	█						6.2
Natural Volcanic Field	█						6.2
Suburban Volcanic Field	█						6.2
Urban Volcanic Field	█						6.2
Industrial Volcanic Field	█						6.2
<b>Urban Features</b>							
Urban Footprints	█						1
Suburban Footprints	█						4
Urban Footprints	█						4
Industrial Footprints	█						4
<b>Mountain Features</b>							
Rural Mountains	█						1
Suburban Mountains	█						1
Urban Mountains	█						1
Industrial Mountains	█						1
<b>Tonto Character Type</b>							
<b>Landscape Character Units</b>							
Natural Tonto River	█						1
Suburban Tonto River	█						1
Urban Tonto River	█						1
Industrial Tonto River	█						1
Natural Sonoran Arizona Upland	█						2
Suburban Sonoran Arizona Upland	█						4
Urban Sonoran Arizona Upland	█						4
Industrial Sonoran Arizona Upland	█						4
Natural Upper Tonto	█						1
Suburban Upper Tonto	█						1
Urban Upper Tonto	█						1
Industrial Upper Tonto	█						1
Natural Upper Tonto Riparian	█						1
Suburban Upper Tonto Riparian	█						1
Urban Upper Tonto Riparian	█						1
Industrial Upper Tonto Riparian	█						1
Natural Tonto River	█						1
Suburban Tonto River	█						1
Urban Tonto River	█						1
Industrial Tonto River	█						1

Compatibility Ratings  
C = Structure is fully compatible with the Landscape Character Unit  
IC = Structure type is incompatible with the Landscape Character Unit

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources:**  
Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
Existing Landscape Character Units Structure Types Compatibility Ratings Matrix, 2008  
Existing Landscape Character Units Map, 2008

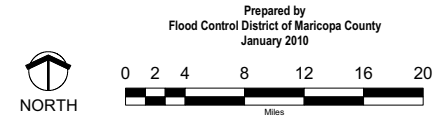
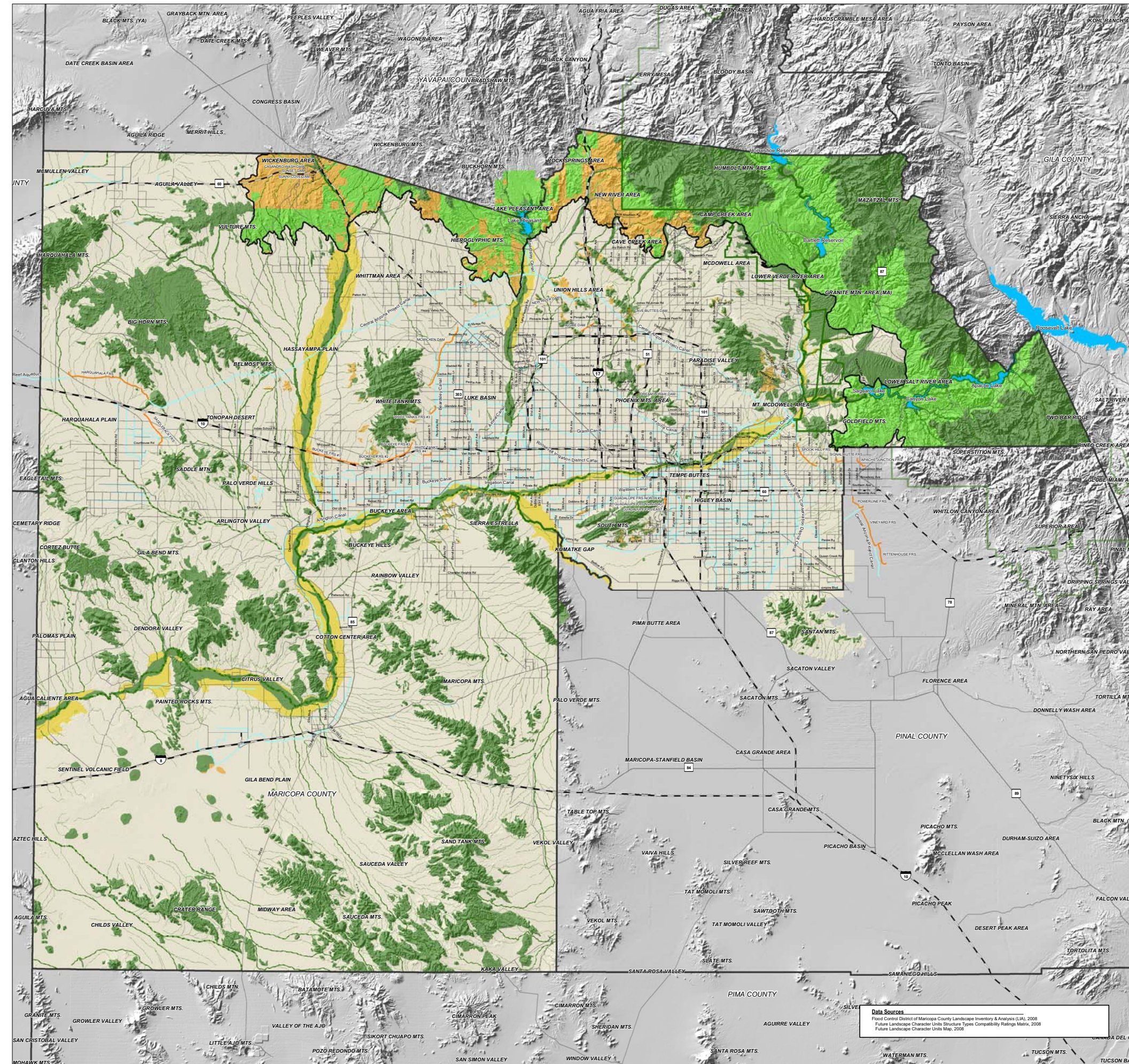


Figure 12

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment FUTURE LANDSCAPE CHARACTER STRUCTURE TYPES COMPATIBILITY



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	█					
Class 2	█	█				
Class 3	█	█	█			
Class 4	█	█	█	█		
Class 5	█	█	█	█	█	
Class 6	█	█	█	█	█	█

LANDSCAPE CHARACTER COMPATIBILITY RATINGS FOR STRUCTURE TYPES							
Scenery Resource Character Type	Natural Structures (Class 1)	Underground Pipe (Class 2)	Channel Levee (Class 3)	Conveyance Channel (Class 4)	Storage Basin (Class 5)	Dam (Class 6)	Compatibility Class
<b>Landscape Character Units</b>							
Natural River Channel	█						1
Suburban River Channel	█						1
Urban River Channel	█						1
Industrial River Channel	█						1
Natural River Terrace	█						5.1
Suburban River Terrace	█						5.1
Urban River Terrace	█						5.2
Industrial River Terrace	█						5.2
Natural Valley Plain	█						6.3
Suburban Valley Plain	█						6.3
Urban Valley Plain	█						6.4
Industrial Valley Plain	█						6.5
Natural Valley Wash	█						1
Suburban Valley Wash	█						1
Urban Valley Wash	█						1
Industrial Valley Wash	█						1
<b>Scenery Resource</b>							
Rural Arroyo	█						1
Suburban Arroyo	█						1
Urban Arroyo	█						1
Industrial Arroyo	█						1
Natural Upper Riparian	█						6.1
Rural Upper Riparian	█						6.1
Suburban Upper Riparian	█						6.1
Urban Upper Riparian	█						6.1
Industrial Upper Riparian	█						6.2
Natural Lower Riparian	█						6.2
Rural Lower Riparian	█						6.2
Suburban Lower Riparian	█						6.2
Urban Lower Riparian	█						6.2
Industrial Lower Riparian	█						6.2
Natural Wetland Field	█						6.2
Rural Wetland Field	█						6.2
Suburban Wetland Field	█						6.2
Urban Wetland Field	█						6.2
Industrial Wetland Field	█						6.2
<b>Topographic Features</b>							
Rural Farmland	█						1
Suburban Farmland	█						1
Urban Farmland	█						4
Industrial Farmland	█						4
Natural Mountains	█						1
Rural Mountains	█						1
Suburban Mountains	█						1
Urban Mountains	█						1
Industrial Mountains	█						1
<b>Topo Character Type</b>							
<b>Landscape Character Units</b>							
Natural Sonoran Arroyo Upland	█						1
Suburban Sonoran Arroyo Upland	█						1
Urban Sonoran Arroyo Upland	█						4
Industrial Sonoran Arroyo Upland	█						4
Natural Upper Tonto	█						1
Suburban Upper Tonto	█						1
Urban Upper Tonto	█						1
Industrial Upper Tonto	█						1
Natural Upper Tonto Stream	█						1
Suburban Upper Tonto Stream	█						1
Urban Upper Tonto Stream	█						1
Industrial Upper Tonto Stream	█						1
Natural Tonto River	█						1
Suburban Tonto River	█						1
Urban Tonto River	█						1
Industrial Tonto River	█						1

Compatibility Ratings:  
 C = Structure is fully compatible with the Landscape Character Unit  
 IC = Structure is incompatible with the Landscape Character Unit

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
 Future Landscape Character Units Structure Types Compatibility Ratings Matrix, 2008  
 Future Landscape Character Units Map, 2008

Prepared by  
**Flood Control District of Maricopa County**  
 January 2010

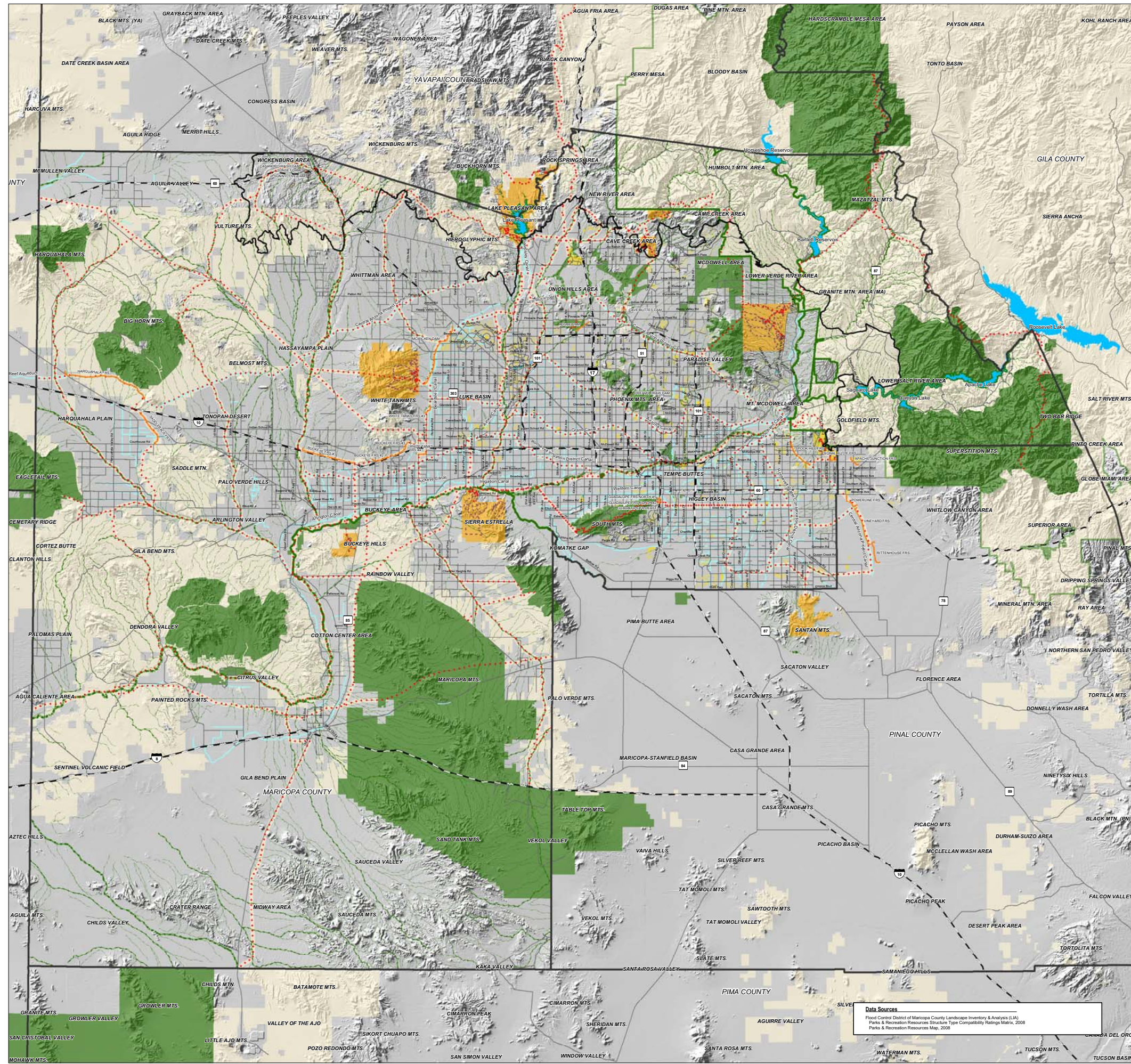


Figure 13



# Landscape Inventory & Analysis for Maricopa County

## Recreation Resource Assessment PARKS & RECREATION RESOURCES STRUCTURE TYPES COMPATIBILITY



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	█					
Class 2	█	█				
Class 3	█	█	█			
Class 4	█	█	█	█		
Class 5	█	█	█	█	█	
Class 6	█	█	█	█	█	█

PARKS & RECREATION RESOURCES COMPATIBILITY RATINGS FOR STRUCTURE TYPES							
PARKS & RECREATION RESOURCES	Natural Structures (Class 1)	Underground Pipe (Class 2)	Channel Levee (Class 3)	Conveyance Channel (Class 4)	Storage Basin (Class 5)	Dam (Class 6)	Compatibility Class
<b>Federal</b>							
Tonto National Forest	C	C	C	C	C	C	1-6
National Wildlife Refuge / Preserve	C	C	C	C	C	C	1-6
Other BLM Lands	C	C	C	C	C	C	1-6
Other National Forest Lands	C	C	C	C	C	C	1-6
<b>State</b>							
State Parks (Public)	C	C	C	C	C	C	1-6
State Parks (Private)	C	C	C	C	C	C	1-6
<b>Regional</b>							
County Recreation Parks	C	C	C	C	C	C	1-6
City Recreation Parks	C	C	C	C	C	C	1-6
City Mountain Preserves	C	C	C	C	C	C	1-6
Maricopa Regional Trail System	C	C	C	C	C	C	1-6
<b>Local</b>							
City and County Parks	C	C	C	C	C	C	1-6
Rural Suburban	C	C	C	C	C	C	1-6
Other Recreation Areas	C	C	C	C	C	C	1-6
Staff Campgrounds	C	C	C	C	C	C	1-6

Compatibility Ratings:  
 C = Structure is fully compatible with the Parks & Recreation Resource  
 IC = Structure type is incompatible with the Parks & Recreation Resource

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
 Parks & Recreation Resources Structure Type Compatibility Ratings Matrix, 2008  
 Parks & Recreation Resources Map, 2008

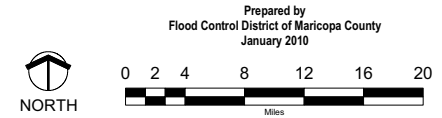
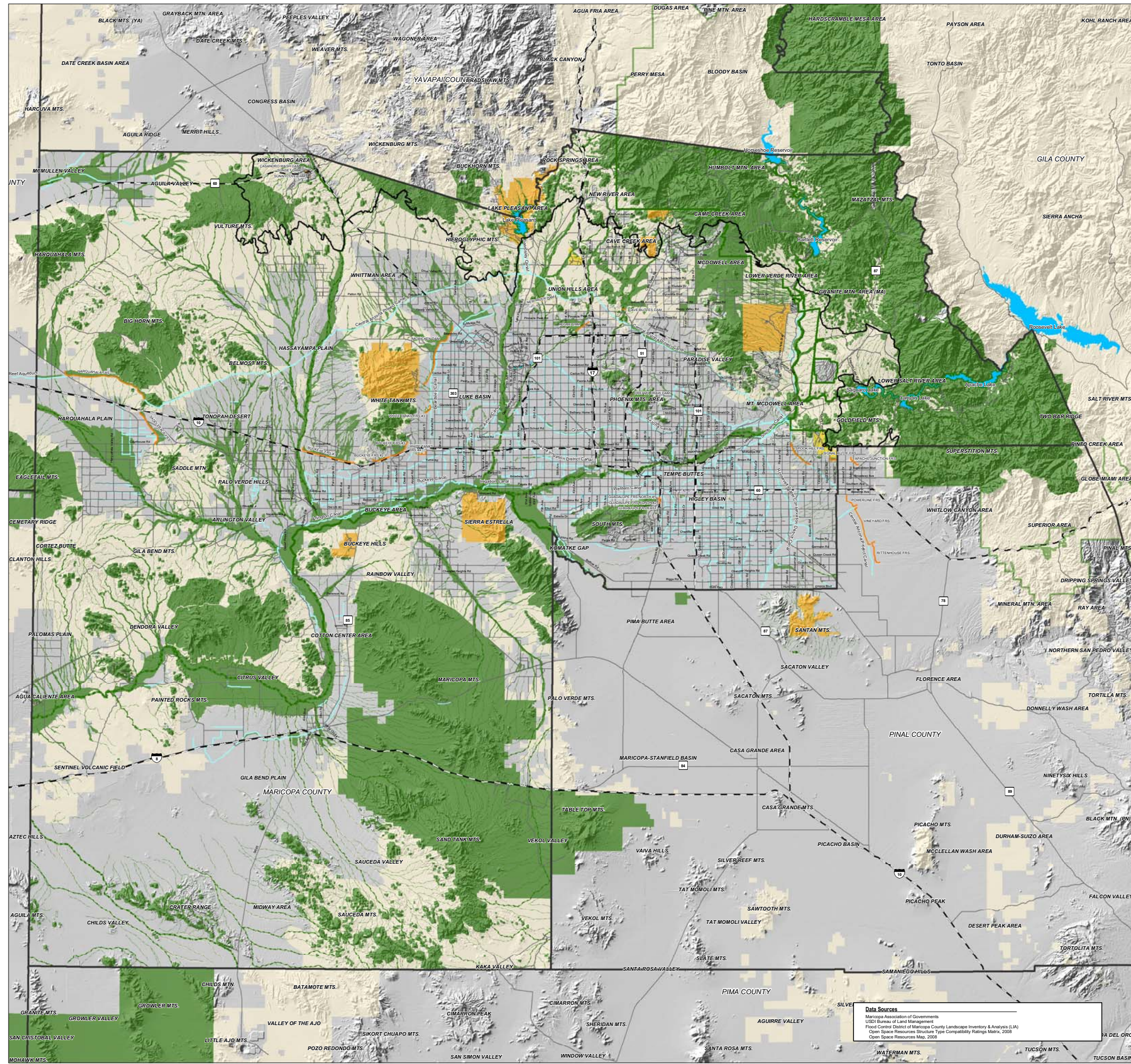


Figure 14

# Landscape Inventory & Analysis for Maricopa County

## Open Space Resource Assessment OPEN SPACE RESOURCES STRUCTURE TYPES COMPATIBILITY



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	Green	Green	Green	Green	Green	Green
Class 2	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
Class 3	Orange	Orange	Orange	Orange	Orange	Orange
Class 4	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Class 5	Light Yellow	Light Yellow	Light Yellow	Light Yellow	Light Yellow	Light Yellow
Class 6	Grey	Grey	Grey	Grey	Grey	Grey

OPEN SPACE RESOURCES COMPATIBILITY RATINGS FOR STRUCTURE TYPES							
OPEN SPACE RESOURCES	Natural Structures (Class 1)	Underground Pipe (Class 2)	Channel Levee (Class 3)	Conveyance Channel (Class 4)	Storage Basin (Class 5)	Dam (Class 6)	Compatibility Class
<b>Desert Spaces Open Space Plan</b>							
Secure Open Space							
Federal							
Wilderness Areas	C	IC	IC	IC	IC	IC	1
National Monuments	C	IC	IC	IC	IC	IC	1
National Wildlife Refuges / Preserves	C	IC	IC	IC	IC	IC	1
State							
State Parks (None)	C	IC	IC	IC	IC	IC	1
Wildlife Areas	C	IC	IC	IC	IC	IC	1
Regional							
County Regional Parks	C	C	C	C	C	C	4
County Recreation Areas	C	IC	IC	IC	IC	IC	3
City Mountain Preserves	C	IC	IC	IC	IC	IC	1
City Mountain Preserves	C	IC	IC	IC	IC	IC	1
Conservation Open Spaces	C	IC	IC	IC	IC	IC	1
Retention Open Spaces	C	C	C	C	C	C	6
Other Federal Open Space Lands							
BLM	C	C	C	C	C	C	6
National Forest Lands	C	C	C	C	C	C	6
Floodplain Lands							
Floodway	C	IC	IC	IC	IC	IC	1
Floodway Fringe Areas & Other Floodplain Zones	C	IC	IC	IC	IC	IC	1

Compatibility Ratings  
 C = Structure is fully compatible with the Open Space Resource  
 IC = Structure type is incompatible with the Open Space Resource

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources**  
 Maricopa Association of Governments  
 USDI Bureau of Land Management  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
 Open Space Resources Structure Type Compatibility Ratings Matrix, 2008  
 Open Space Resources Map, 2008

Prepared by  
 Flood Control District of Maricopa County  
 January 2010

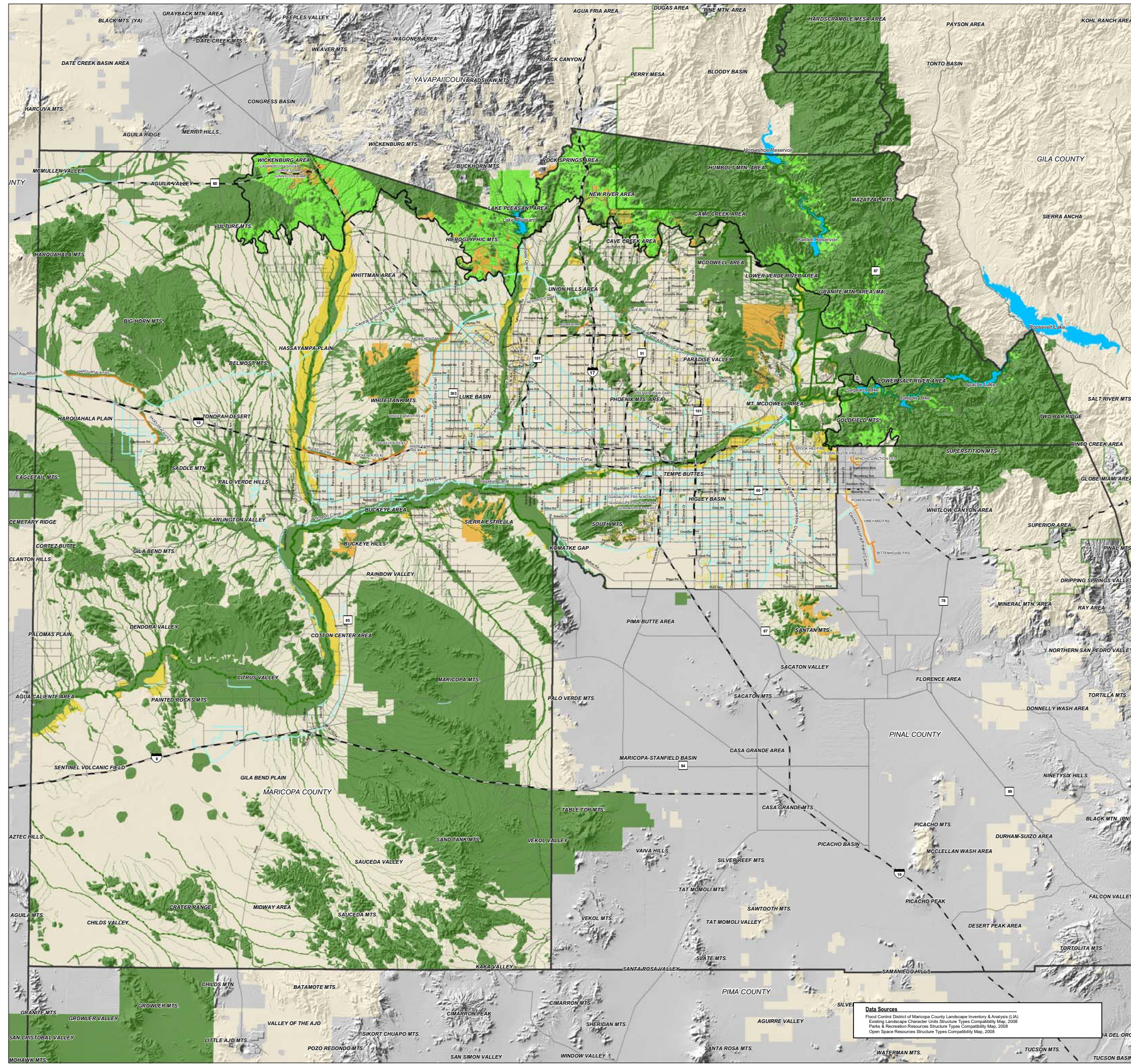


Figure 15

# Landscape Inventory & Analysis for Maricopa County

## COMBINED RESOURCES STRUCTURE TYPE COMPATIBILITY

### Existing Landscape Character Units, Recreation and Open Space



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	Green	Green	Green	Green	Green	Green
Class 2	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
Class 3	Orange	Orange	Orange	Orange	Orange	Orange
Class 4	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Class 5	Light Yellow	Light Yellow	Light Yellow	Light Yellow	Light Yellow	Light Yellow
Class 6	White	White	White	White	White	White

Landscape Character Unit Structure Types Compatibility Class Map (1)		Reduced Structure Compatibility Classes, Structure Types, Scale Ratings and Scale Sub-Classes (2)															
Structure Type Compatibility Class (3)	Structure Scale Ratings				Scale Sub-Class (6)	Structure Types					1 (7)	2 (8)					
	L	C	B	D (4)		L	C	B	S (9)	L			C	S (9)			
6	S	S	S	S (6)	6.1	S	S	S	S (6)	S	S	4.1	S	3.1	NA	NA	
6	M	S	M	S	6.2	S	S	S	S (6)	S	S	4.2	S	3.2	NA	NA	
6	M	M	M	M	6.3	M	M	M	M (6)	M	M	4.3	M	3.3	NA	NA	
6	M	L	M	L	6.4	M	L	M	L (6)	M	L	4.4	M	3.4	NA	NA	
6	L	L	L	L	6.5	L	L	L	L (6)	L	L	4.5	L	3.5	NA	NA	
5	S	S	S	S	5.1	No Reduction					S	S	4.1	S	3.1	NA	NA
5	M	S	M	S	5.2	No Reduction					M	S	4.2	M	3.2	NA	NA
4	S	S	S	S	4.1	No Reduction					No Reduction			S	3.1	NA	NA
3	S	S	S	S	3.1	No Reduction					No Reduction			NA		NA	
2	NA	NA	NA	NA	NA	NA					NA			NA		NA	
1	NA	NA	NA	NA	NA	NA					NA			NA		NA	

- Notes:
- This section of the table lists the Structure Types Compatibility Classes along with their associated compatible structure types, scale ratings and Scale Sub-Classes that are found on the Landscape Character Units Structure Types Compatibility Class Map.
  - This section of the table lists the reduced Structure Types Compatibility Classes and their associated compatible structure types, scale ratings and Scale sub-classes that can result from combining the Landscape Character Units Structure Types Compatibility Class Map with other resource structure types compatibility class maps.
  - This column lists the Structure Types Compatibility Classes contained on the Landscape Character Units Structure Types Compatibility Class Map.
  - The headings of these columns identify the structure types that are compatible under each Structure Type Compatibility Class that is contained on the Landscape Character Units Structure Types Compatibility Class Map. The abbreviations used for the structure types are as follows:  
L = Levee; C = Channel; B = Basin; D = Dam; NA = Not Applicable; scale sub-classes do not apply to these compatibility classes.
  - The structure scale compatibility ratings for the structure types included under each compatibility class (2) are listed in these columns. This info is excerpted from the Landscape Character Units Structure Types Compatibility Ratings Matrix that was used to produce the Landscape Character Units Structure Types Compatibility Class Map in the 2008 LIA. The abbreviations used for the scale sub-classes are as follows:  
S = Small Scale Structures are Compatible; M = Medium Scale Structures are Compatible; L = Large Scale Structures are Compatible
  - This column lists the scale sub-class number that is assigned to each unique combination of structure type scale compatibility ratings found on the Landscape Character Unit Structure Types Compatibility Class Map.
  - The headings in these columns identify the reduced structure type compatibility classes that could occur when other resource structure type compatibility class maps (Recreation, Open Space, Biological, etc) are combined with the landscape character units structure types compatibility class map.
  - The headings in these columns identify the structure types that would be compatible if the structure type compatibility classes on the Landscape Character Units Structure Types Compatibility Class Map were reduced when combined with other resource compatibility class maps. The structure scale compatibility ratings listed under these headings were derived by deleting the structure types not associated with the reduced structure type compatibility class. Higher compatibility classes on Other Resource Structure Type Compatibility Class Maps cannot reduce lower classes on the Landscape Character Units Structure Types Compatibility Class Map and are designated as "No Reduction" in the table.
  - The scale sub-class numbers listed under the SSC column headings were assigned using the following process: (1) The combination of structure scales listed for each compatibility class (6) was compared with those listed for the Landscape Character Units Structure Types Compatibility Classes; (2) If a match was found, a corresponding scale sub-class number was assigned, or (3) if no match was found, the combination was assigned a new scale sub-class number.

- REFERENCE FEATURES
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

Data Sources:  
Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
Existing Landscape Character Units Structure Types Compatibility Map, 2008  
Parks & Recreation Resources Structure Types Compatibility Map, 2008  
Open Space Resources Structure Types Compatibility Map, 2008

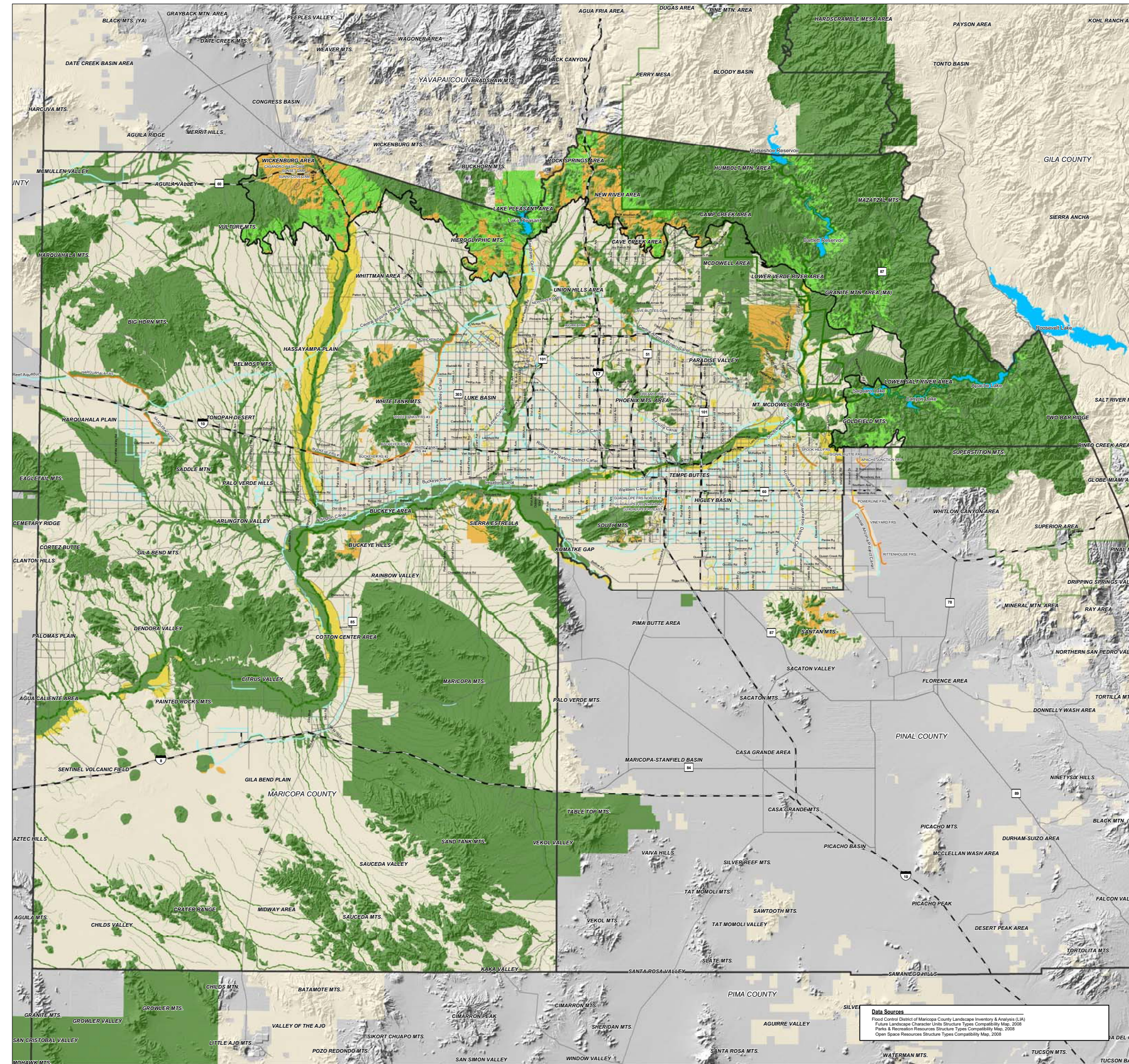
Prepared by  
Flood Control District of Maricopa County  
January 2010

Figure 16

# Landscape Inventory & Analysis for Maricopa County

## COMBINED RESOURCES STRUCTURE TYPE COMPATIBILITY

### Future Landscape Character Units, Recreation and Open Space



Compatibility Classes	Natural Structures	Underground Pipe	Channel Levee	Conveyance Channel	Storage Basin	Dam
Class 1	Green	Green	Green	Green	Green	Green
Class 2	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
Class 3	Orange	Orange	Orange	Orange	Orange	Orange
Class 4	Yellow-Orange	Yellow-Orange	Yellow-Orange	Yellow-Orange	Yellow-Orange	Yellow-Orange
Class 5	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Class 6	Lightest Green	Lightest Green	Lightest Green	Lightest Green	Lightest Green	Lightest Green

Structure Type Compatibility Class (2)	Structure Types Compatibility Class Map (1)				Reduced Structure Compatibility Classes, Structure Types, Scale Ratings and Scale Sub-Classes (2)													
	Structure Scale Ratings (3)	L	C	B	D	Scale Sub-Class (6)	L	C	B	S	SSC (9)	L	C	SSC	3	2	1	(7)
6	S S S S S (6)	6.1	S	S	S	5.1	S	S	S	S	4.1	S	S	3.1	NA	NA	NA	NA
6	M S M S	6.2	S	S	S	5.3	S	S	S	4.2	S	S	3.2	NA	NA	NA	NA	
6	M M M M	6.3	M	M	M	5.4	M	M	M	4.3	M	M	3.2	NA	NA	NA	NA	
6	M L M L	6.4	M	L	M	5.5	M	L	M	4.4	M	L	3.1	NA	NA	NA	NA	
6	L L L L	6.5	L	L	L	5.6	L	L	L	4.5	L	L	3.3	NA	NA	NA	NA	
5	S S S S	5.1	No Reduction	No Reduction	No Reduction	No Reduction	S	S	4.1	S	3.1	NA	NA	NA	NA	NA	NA	
5	M S S S	5.2	No Reduction	No Reduction	No Reduction	No Reduction	M	S	4.2	M	3.2	NA	NA	NA	NA	NA	NA	
4	S S S	4.1	No Reduction	No Reduction	No Reduction	No Reduction	S	S	3.1	NA	NA	NA	NA	NA	NA	NA	NA	
3	S	3.1	No Reduction	No Reduction	No Reduction	No Reduction	S	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

- Notes:
- This section of the table lists the Structure Types Compatibility Classes along with their associated compatible structure types, scale ratings and Scale Sub-Classes that are found on the Landscape Character Units Structure Types Compatibility Class Map.
  - This section of the table lists the reduced Structure Types Compatibility Classes and their associated compatible structure types, scale ratings and Scale sub-classes that can result from combining the Landscape Character Units Structure Types Compatibility Class Map with other resource structure types compatibility class maps.
  - This column lists the Structure Types Compatibility Classes contained on the Landscape Character Units Structure Types Compatibility Class Map.
  - The headings of these columns identify the structure types that are compatible under each Structure Type Compatibility Class that is contained on the Landscape Character Units Structure Types Compatibility Class Map. The abbreviations used for the structure types are as follows:  
L = Levee; C = Channel; B = Basin; D = Dam; NA = Not Applicable; scale sub-classes do not apply to these compatibility classes.
  - The structure scale compatibility ratings for the structure types included under each compatibility class (2) are listed in these columns. This info is excerpted from the Landscape Character Units Structure Types Compatibility Ratings Matrix that was used to produce the Landscape Character Units Structure Types Compatibility Class Map in the 2008 LIA. The abbreviations used for the scale sub-classes are as follows:  
S = Small Scale Structures are Compatible; M = Medium Scale Structures are Compatible; L = Large Scale Structures are Compatible
  - This column lists the scale sub-class number that is assigned to each unique combination of structure type scale compatibility ratings found on the Landscape Character Unit Structure Types Compatibility Class Map.
  - The headings in these columns identify the reduced structure type compatibility classes that could occur when other resource structure type compatibility class maps (Recreation, Open Space, Biological, etc) are combined with the landscape character units structure types compatibility class map.
  - The headings in these columns identify the structure types that would be compatible if the structure type compatibility classes on the Landscape Character Units Structure Types Compatibility Class Map were reduced when combined with other resource compatibility class maps. The structure scale compatibility ratings listed under these headings were derived by deleting the structure types not associated with the reduced structure type compatibility class. Higher compatibility classes on Other Resource Structure Type Compatibility Class Maps cannot reduce lower classes on the Landscape Character Units Structure Types Compatibility Class Map and are designated as "No Reduction" in the table.
  - The scale sub-class numbers listed under the SSC column headings were assigned using the following process: (1) The combination of structure scales listed for each compatibility class (6) was compared with those listed for the Landscape Character Units Structure Types Compatibility Classes; (2) If a match was found, a corresponding scale sub-class number was assigned, or (3) if no match was found, the combination was assigned a new scale sub-class number.

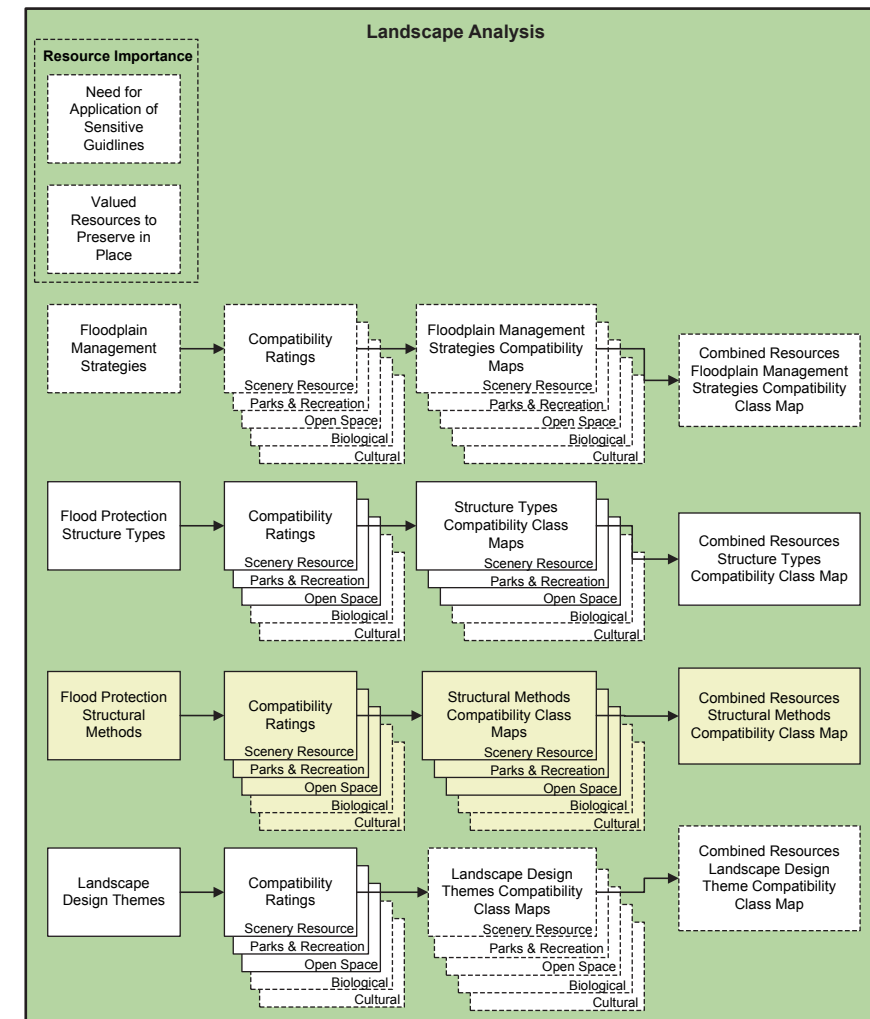
- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
 Future Landscape Character Units Structure Types Compatibility Map, 2008  
 Parks & Recreation Resources Structure Types Compatibility Map, 2008  
 Open Space Resources Structure Types Compatibility Map, 2008

Prepared by  
 Flood Control District of Maricopa County  
 January 2010

Figure 17

# Flood Protection Structural Methods Compatibility Analysis



# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment

### EXISTING LANDSCAPE CHARACTER FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY

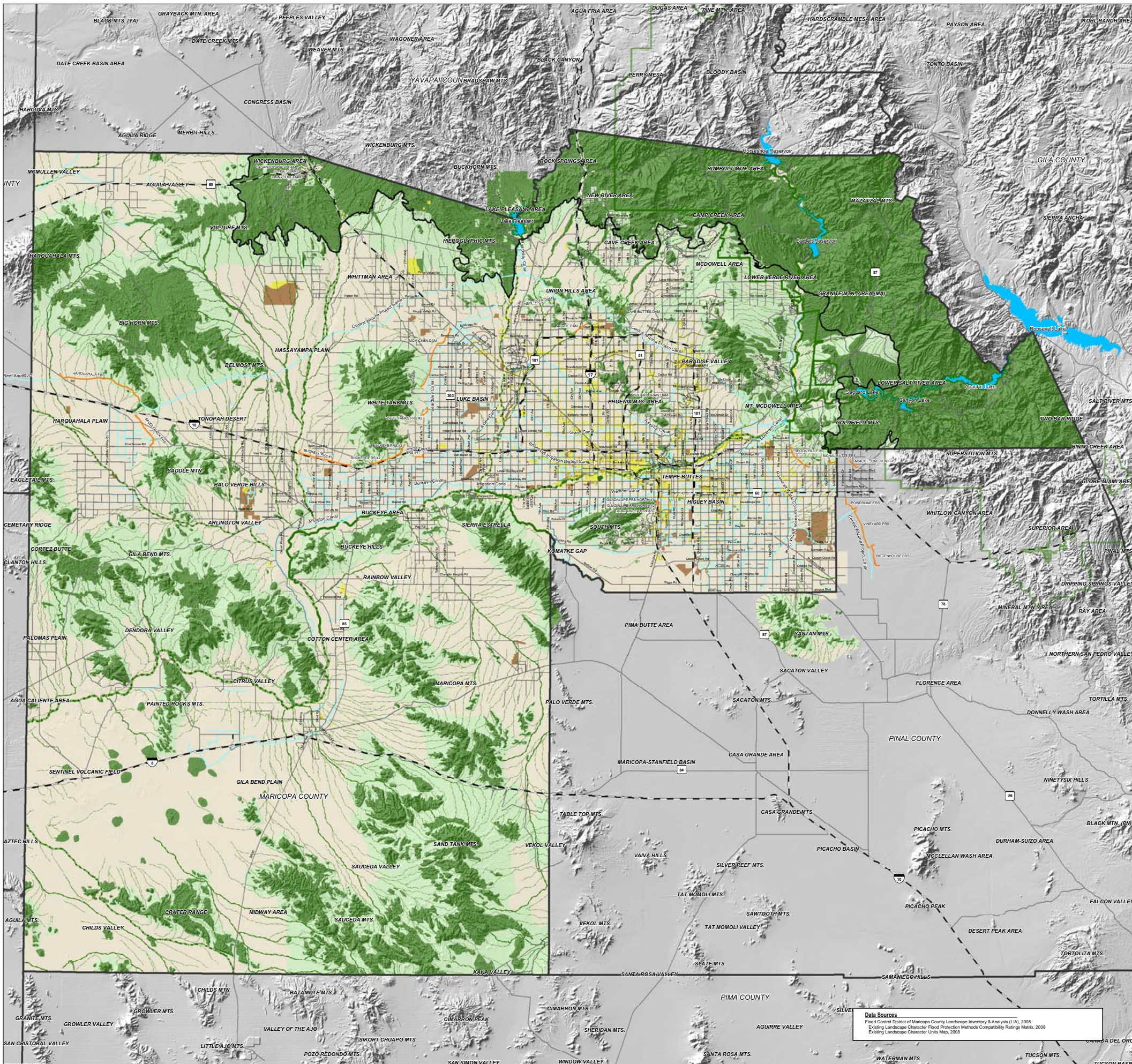
Compatibility Classes	Natural Methods	Soft Structural	Semi-Soft Structural	Enhanced Hard Structural	Semi-Hard Structural	Hard Structural
Class 1	█					
Class 2	█	█				
Class 3			█			
Class 4				█		
Class 5					█	
Class 6						█

LANDSCAPE CHARACTER FLOOD PROTECTION METHODS COMPATIBILITY							
Sonoran Desert Character Type	Natural Methods (Class 1)	Soft Structural (Class 2)	Semi-Soft Structural (Class 3)	Enhanced Hard Structural (Class 4)	Semi-Hard Structural (Class 5)	Hard Structural (Class 6)	Compatibility Class
<b>Landscape Character Units</b>							
Natural River Channel	C	C	C	C	C	C	3
Rural River Channel	C	C	C	C	C	C	3
Suburban River Channel	C	C	C	C	C	C	3
Urban River Channel	C	C	C	C	C	C	4
Industrial River Channel	C	C	C	C	C	C	4
Natural River Terrace	C	C	C	C	C	C	3
Rural River Terrace	C	C	C	C	C	C	3
Suburban River Terrace	C	C	C	C	C	C	3
Urban River Terrace	C	C	C	C	C	C	4
Industrial River Terrace	C	C	C	C	C	C	4
Natural Valley Plain	C	C	C	C	C	C	3
Rural Valley Plain	C	C	C	C	C	C	3
Suburban Valley Plain	C	C	C	C	C	C	3
Urban Valley Plain	C	C	C	C	C	C	4
Industrial Valley Plain	C	C	C	C	C	C	6
Natural Valley Wash	C	C	C	C	C	C	1
Rural Valley Wash	C	C	C	C	C	C	1
Suburban Valley Wash	C	C	C	C	C	C	1
Urban Valley Wash	C	C	C	C	C	C	1
Industrial Valley Wash	C	C	C	C	C	C	1
Natural Arroyo	C	C	C	C	C	C	1
Rural Arroyo	C	C	C	C	C	C	1
Suburban Arroyo	C	C	C	C	C	C	1
Urban Arroyo	C	C	C	C	C	C	1
Industrial Arroyo	C	C	C	C	C	C	1
Natural Upper Bagada	C	C	C	C	C	C	2
Rural Upper Bagada	C	C	C	C	C	C	2
Suburban Upper Bagada	C	C	C	C	C	C	3
Urban Upper Bagada	C	C	C	C	C	C	3
Industrial Upper Bagada	C	C	C	C	C	C	4
Natural Lower Bagada	C	C	C	C	C	C	3
Rural Lower Bagada	C	C	C	C	C	C	3
Suburban Lower Bagada	C	C	C	C	C	C	3
Urban Lower Bagada	C	C	C	C	C	C	4
Industrial Lower Bagada	C	C	C	C	C	C	6
Natural Volcanic Field	C	C	C	C	C	C	3
Rural Volcanic Field	C	C	C	C	C	C	3
Suburban Volcanic Field	C	C	C	C	C	C	3
Urban Volcanic Field	C	C	C	C	C	C	4
Industrial Volcanic Field	C	C	C	C	C	C	6
Natural Footfills	C	C	C	C	C	C	1
Rural Footfills	C	C	C	C	C	C	1
Suburban Footfills	C	C	C	C	C	C	2
Urban Footfills	C	C	C	C	C	C	3
Industrial Footfills	C	C	C	C	C	C	3
Natural Mountains	C	C	C	C	C	C	1
Rural Mountains	C	C	C	C	C	C	1
Suburban Mountains	C	C	C	C	C	C	1
Urban Mountains	C	C	C	C	C	C	1
Industrial Mountains	C	C	C	C	C	C	1
<b>Tonto Character Type</b>							
<b>Landscape Character Units</b>							
Natural Upper Tonto	C	C	C	C	C	C	1
Rural Upper Tonto	C	C	C	C	C	C	1
Suburban Upper Tonto	C	C	C	C	C	C	1
Urban Upper Tonto	C	C	C	C	C	C	1
Industrial Upper Tonto	C	C	C	C	C	C	4
Natural Sonoran Arizona Upland	C	C	C	C	C	C	1
Rural Sonoran Arizona Upland	C	C	C	C	C	C	2
Suburban Sonoran Arizona Upland	C	C	C	C	C	C	3
Urban Sonoran Arizona Upland	C	C	C	C	C	C	3
Industrial Sonoran Arizona Upland	C	C	C	C	C	C	4
Natural Upper Tonto Stream	C	C	C	C	C	C	1
Rural Upper Tonto Stream	C	C	C	C	C	C	1
Suburban Upper Tonto Stream	C	C	C	C	C	C	1
Urban Upper Tonto Stream	C	C	C	C	C	C	1
Industrial Upper Tonto Stream	C	C	C	C	C	C	1
Natural Tonto River	C	C	C	C	C	C	3
Rural Tonto River	C	C	C	C	C	C	3
Suburban Tonto River	C	C	C	C	C	C	3
Urban Tonto River	C	C	C	C	C	C	3
Industrial Tonto River	C	C	C	C	C	C	4

Compatibility Ratings  
C = Complementary and Compatible  
IC = Not Complementary or Compatible

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

Prepared by  
Flood Control District of Maricopa County  
January 2010



**Data Sources:**  
Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
Existing Landscape Character Flood Protection Methods Compatibility Ratings Matrix, 2008  
Existing Landscape Character Units Map, 2008

Figure 18

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment

### FUTURE LANDSCAPE CHARACTER FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY

Compatibility Classes	Natural Methods	Soft Structural	Semi-Soft Structural	Enhanced Hard Structural	Semi-Hard Structural	Hard Structural
Class 1	█					
Class 2	█	█				
Class 3			█			
Class 4			█	█		
Class 5				█	█	
Class 6						█

LANDSCAPE CHARACTER FLOOD PROTECTION METHODS COMPATIBILITY							
Sonoran Desert Character Type	Natural Methods (Class 1)	Soft Structural (Class 2)	Semi-Soft Structural (Class 3)	Enhanced Hard Structural (Class 4)	Semi-Hard Structural (Class 5)	Hard Structural (Class 6)	Compatibility Class
<b>Landscape Character Units</b>							
Natural River Channel	C	C					3
Rural River Channel	C	C					3
Suburban River Channel	C	C					3
Urban River Channel	C	C					4
Industrial River Channel	C	C					4
Natural River Terrace	C	C					3
Rural River Terrace	C	C					3
Suburban River Terrace	C	C					3
Urban River Terrace	C	C					4
Industrial River Terrace	C	C					4
Natural Valley Plain	C	C					3
Rural Valley Plain	C	C					3
Suburban Valley Plain	C	C					4
Urban Valley Plain	C	C					4
Industrial Valley Plain	C	C					6
Natural Valley Wash	C	C					1
Rural Valley Wash	C	C					1
Suburban Valley Wash	C	C					1
Urban Valley Wash	C	C					1
Industrial Valley Wash	C	C					1
Natural Arroyo	C	C					1
Rural Arroyo	C	C					1
Suburban Arroyo	C	C					1
Urban Arroyo	C	C					1
Industrial Arroyo	C	C					1
Natural Upper Bagada	C	C					2
Rural Upper Bagada	C	C					2
Suburban Upper Bagada	C	C					3
Urban Upper Bagada	C	C					3
Industrial Upper Bagada	C	C					3
Natural Lower Bagada	C	C					3
Rural Lower Bagada	C	C					3
Suburban Lower Bagada	C	C					4
Urban Lower Bagada	C	C					4
Industrial Lower Bagada	C	C					4
Natural Volcanic Field	C	C					3
Rural Volcanic Field	C	C					3
Suburban Volcanic Field	C	C					3
Urban Volcanic Field	C	C					4
Industrial Volcanic Field	C	C					6
Natural Footfills	C	C					1
Rural Footfills	C	C					1
Suburban Footfills	C	C					2
Urban Footfills	C	C					3
Industrial Footfills	C	C					3
Natural Mountains	C	C					1
Rural Mountains	C	C					1
Suburban Mountains	C	C					1
Urban Mountains	C	C					1
Industrial Mountains	C	C					1
<b>Tonto Character Type</b>							
Natural Upland Arizona Upland	C	C					1
Rural Upland Arizona Upland	C	C					1
Suburban Upland Arizona Upland	C	C					1
Urban Upland Arizona Upland	C	C					2
Industrial Upland Arizona Upland	C	C					3
Natural Sonoran Arizona Upland	C	C					1
Rural Sonoran Arizona Upland	C	C					2
Suburban Sonoran Arizona Upland	C	C					3
Urban Sonoran Arizona Upland	C	C					3
Industrial Sonoran Arizona Upland	C	C					4
Natural Upper Tonto	C	C					1
Rural Upper Tonto	C	C					1
Suburban Upper Tonto	C	C					1
Urban Upper Tonto	C	C					1
Industrial Upper Tonto	C	C					1
Natural Upper Tonto Stream	C	C					1
Rural Upper Tonto Stream	C	C					1
Suburban Upper Tonto Stream	C	C					1
Urban Upper Tonto Stream	C	C					1
Industrial Upper Tonto Stream	C	C					1
Natural Tonto River	C	C					3
Rural Tonto River	C	C					3
Suburban Tonto River	C	C					3
Urban Tonto River	C	C					3
Industrial Tonto River	C	C					4

**REFERENCE FEATURES**

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

Prepared by  
Flood Control District of Maricopa County  
January 2010

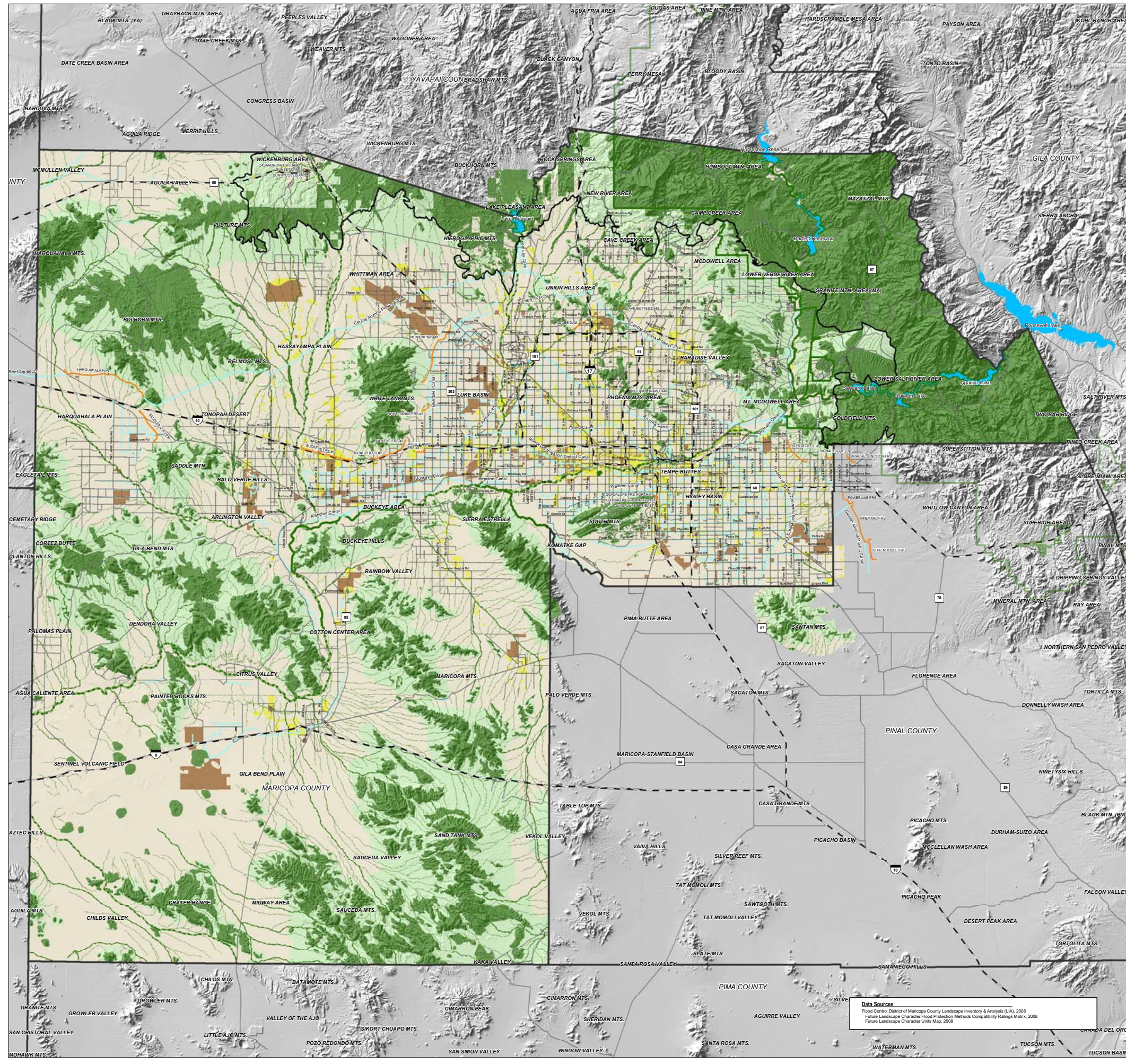
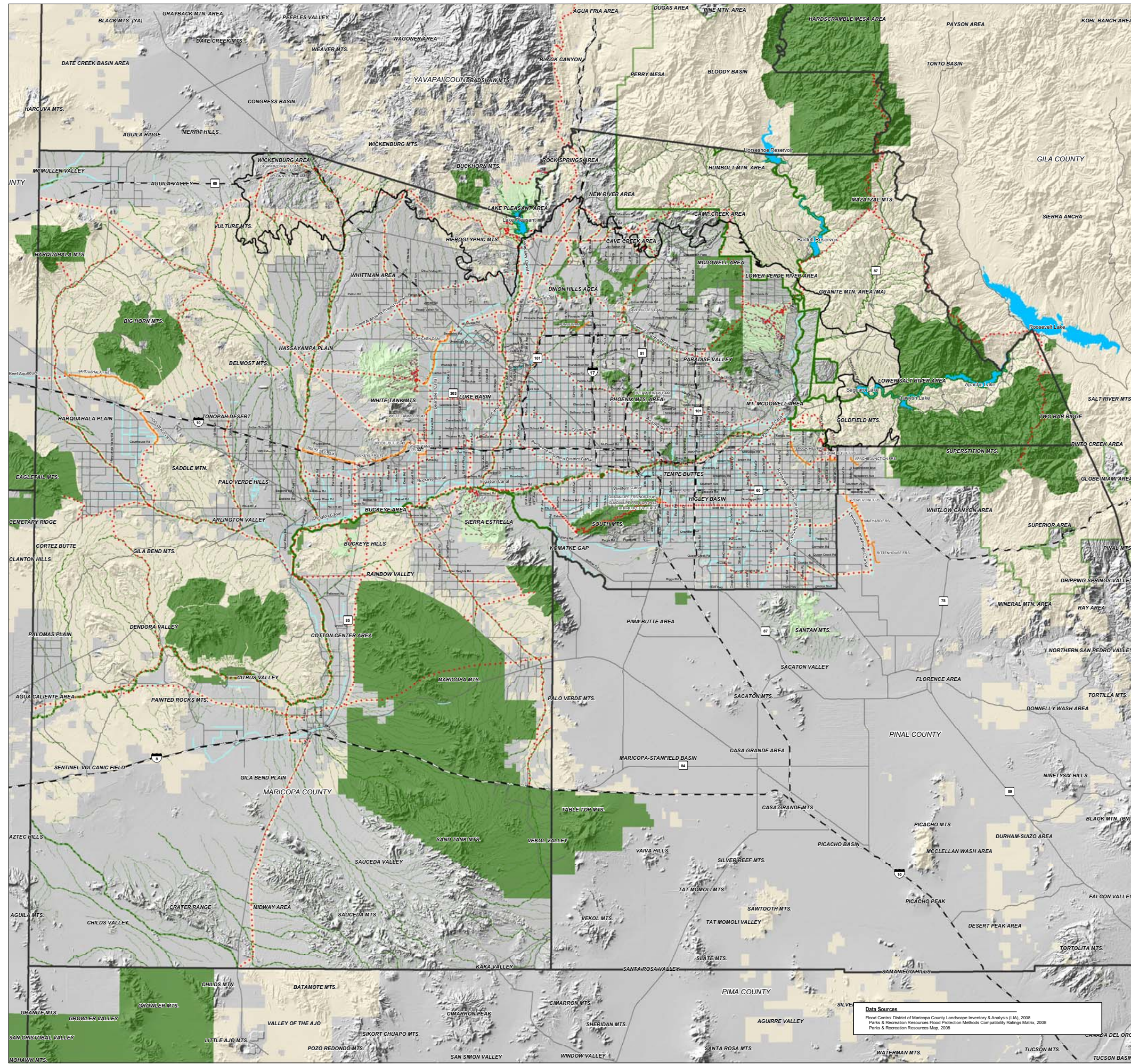


Figure 19

# Landscape Inventory & Analysis for Maricopa County

## Recreation Resource Assessment PARKS & RECREATION RESOURCES FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY



Compatibility Classes	Natural Methods	Soft Structural	Semi-Soft Structural	Enhanced Hard Structural	Semi-Hard Structural	Hard Structural
Class 1	Green	White	White	White	White	White
Class 2	Light Green	White	White	White	White	White
Class 3	Light Green	White	White	White	White	White
Class 4	Light Green	White	White	Yellow	White	White
Class 5	Light Green	White	White	White	Blue	White
Class 6	Light Green	White	White	White	White	Brown

PARKS & RECREATION RESOURCES	Natural Methods (Class 1)	Soft Structural (Class 2)	Semi-Soft Structural (Class 3)	Enhanced Hard Structural (Class 4)	Semi-Hard Structural (Class 5)	Hard Structural (Class 6)	Compatibility Class
Federal							
Washburne Areas	C	IC	IC	IC	IC	IC	1
National Monuments	C	IC	IC	IC	IC	IC	1
National Wildlife Refuges / Preserves	C	IC	IC	IC	IC	IC	1
Other BLM Lands	C	IC	IC	IC	IC	IC	3
Other National Forest Lands	C	IC	IC	IC	IC	IC	3
State							
State Parks (None)	C	IC	IC	IC	IC	IC	3
Wildlife Areas	C	IC	IC	IC	IC	IC	1
Regional							
County Regional Parks	C	IC	IC	IC	IC	IC	2
County Recreation Areas	C	IC	IC	IC	IC	IC	3
City Regional Parks	C	IC	IC	IC	IC	IC	1
City Municipal Preserves	C	IC	IC	IC	IC	IC	1
Maricopa Regional Trail System	C	IC	IC	IC	IC	IC	3
Local							
City and County Parks	C	IC	IC	IC	IC	IC	3
Rural	C	IC	IC	IC	IC	IC	3
Suburban	C	IC	IC	IC	IC	IC	4
Urban	C	IC	IC	IC	IC	IC	4
Other Recreation Areas	C	IC	IC	IC	IC	IC	3
Golf Courses	C	IC	IC	IC	IC	IC	3

Compatibility Ratings  
C = Complementary and Compatible  
IC = Not Complementary or Compatible

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources:**  
Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA), 2008  
Parks & Recreation Resources Flood Protection Methods Compatibility Ratings Matrix, 2008  
Parks & Recreation Resources Map, 2008

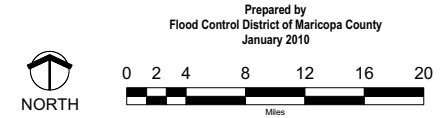
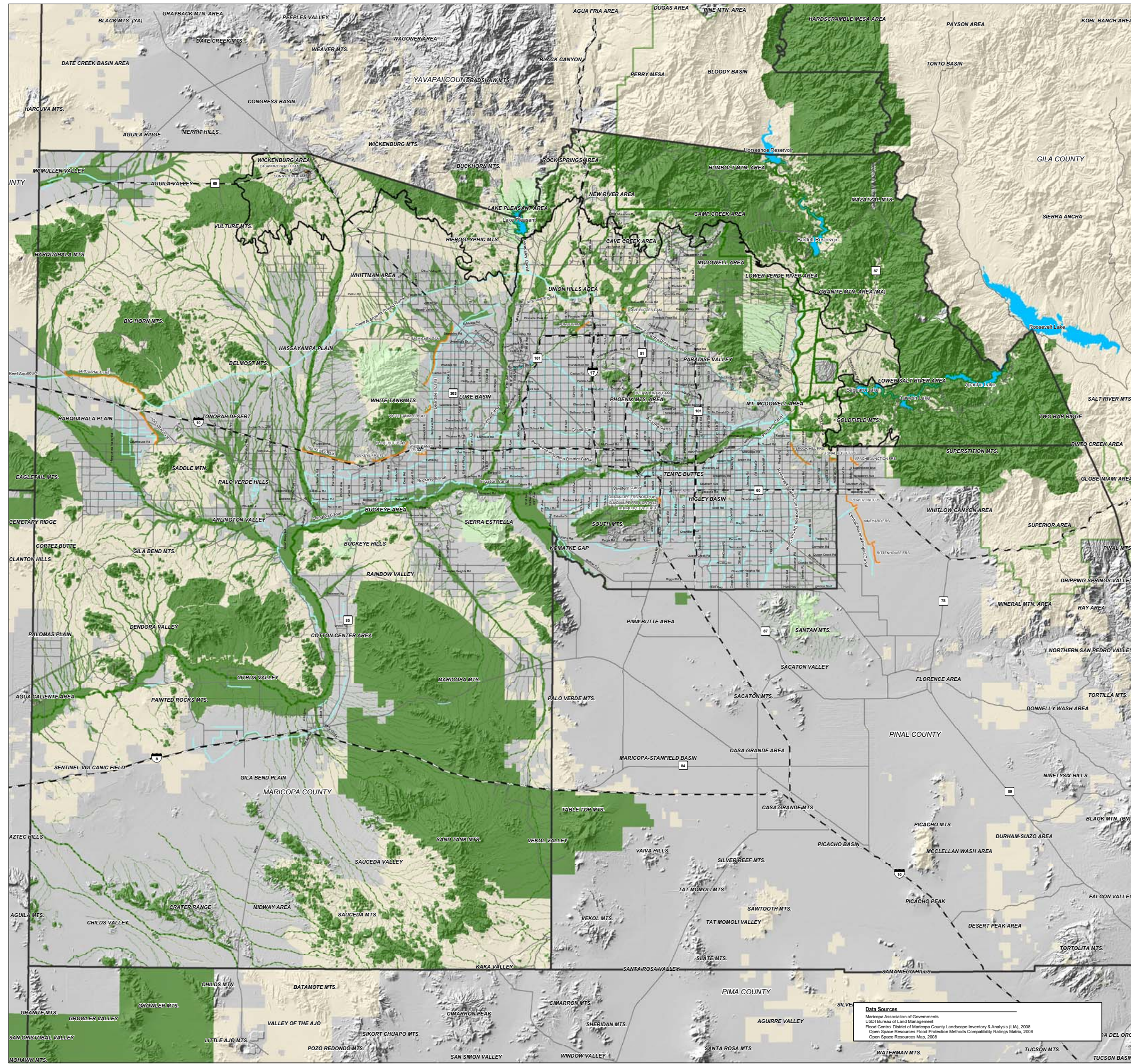


Figure 20



# Landscape Inventory & Analysis for Maricopa County

## Open Space Resource Assessment OPEN SPACE RESOURCES FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY



Compatibility Classes	Natural Methods (Class 1)	Soft Structural (Class 2)	Semi-Soft Structural (Class 3)	Enhanced Hard Structural (Class 4)	Semi-Hard Structural (Class 5)	Hard Structural (Class 6)
Class 1	Green					
Class 2	Light Green	Light Green				
Class 3			Light Green			
Class 4				Yellow		
Class 5					Blue	
Class 6						Brown

OPEN SPACE RESOURCES	Natural Methods (Class 1)	Soft Structural (Class 2)	Semi-Soft Structural (Class 3)	Enhanced Hard Structural (Class 4)	Semi-Hard Structural (Class 5)	Hard Structural (Class 6)	Compatibility Class
<b>Desert Spaces Open Space Plan</b>							
Secure Open Space							
Federal							
Wilderness Areas	C	IC	IC	IC	IC	IC	1
National Monuments	C	IC	IC	IC	IC	IC	1
National Wildlife Refuges / Preserves	C	IC	IC	IC	IC	IC	1
State							
State Parks (None)	C	C	C	IC	IC	IC	3
Wildlife Areas	C	IC	IC	IC	IC	IC	1
Regional							
County Regional Parks	C	C	IC	IC	IC	IC	2
County Recreation Areas	C	C	C	IC	IC	IC	3
City Regional Parks	C	IC	IC	IC	IC	IC	1
City Mountain Preserves	C	IC	IC	IC	IC	IC	1
Conservation Open Spaces	C	IC	IC	IC	IC	IC	1
Retention Open Spaces	C	C	C	IC	IC	IC	3
Other Federal Open Space Lands							
BLM	C	C	C	IC	IC	IC	3
National Forest Lands	C	C	C	IC	IC	IC	3
Floodplain Lands							
Floodplain Fringe Areas & Other Floodplain Zones	C	IC	IC	IC	IC	IC	1

Compatibility Ratings  
 C = Complementary and Compatible  
 IC = Not Complementary or Compatible

- REFERENCE FEATURES**
- Tonto National Forest Boundary
  - County Boundary
  - Interstate Highways
  - State Highways
  - Major Roads
  - Flood Control Structures
  - Canals
  - Intermittent Streams
  - Perennial Streams
  - Lakes

**Data Sources**  
 Maricopa Association of Governments  
 USDI Bureau of Land Management  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIAI), 2008  
 Open Space Resources Flood Protection Methods Compatibility Ratings Matrix, 2008  
 Open Space Resources Map, 2008

Prepared by  
 Flood Control District of Maricopa County  
 January 2010

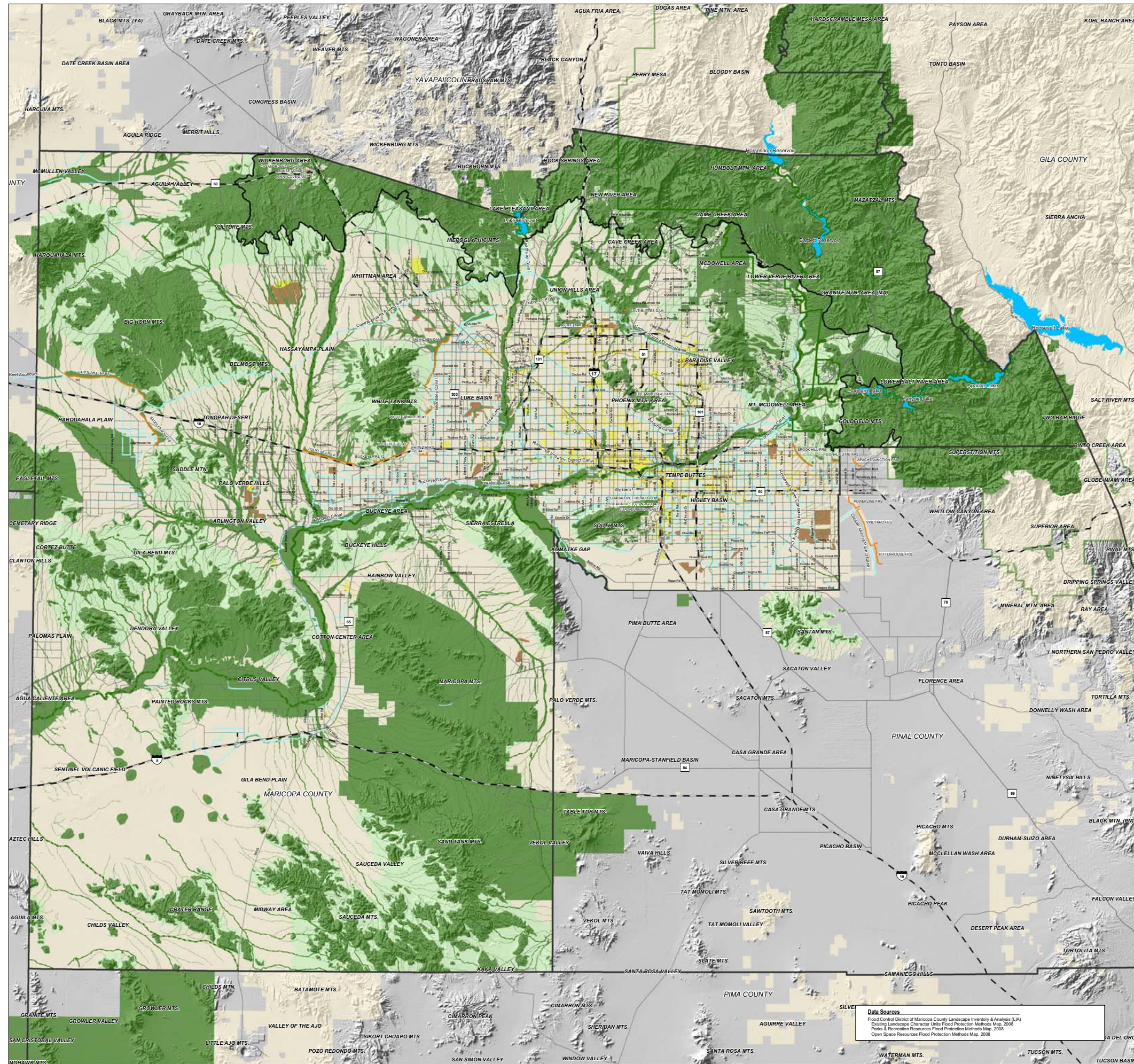
0 2 4 8 12 16 20  
Miles



Figure 21

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment COMBINED RESOURCES FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY Existing Landscape Character Units, Recreation and Open Space



Compatibility Classes	Natural Methods	Soft Structural	Semi-Soft Structural	Enhanced Hard Structural	Semi-Hard Structural	Hard Structural
Class 1	█					
Class 2	█	█				
Class 3			█			
Class 4			█	█		
Class 5				█	█	
Class 6						█

Landscape Character Unit Flood Protection Structural Method Compatibility Class Map	Method	Reduced Landscape Character Unit Flood Protection Method Compatibility Classes					
		Class 6	Class 5	Class 4	Class 3	Class 2	Class 1
Hard Structural	6	6	5	4	3	2	1
Semi-Hard Structural	5	5	5	4	3	2	1
Hard Structural with Aesthetic Treatment	4	4	4	4	3	2	1
Semi-Soft Structural	3	3	3	3	3	2	1
Soft-Structural	2	2	2	2	2	2	1
Non-Structural	1	1	1	1	1	1	1

### REFERENCE FEATURES

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
 Existing Landscape Character Units Flood Protection Methods Map, 2008  
 Parks & Recreation Resources Flood Protection Methods Map, 2008  
 Open Space Resources Flood Protection Methods Map, 2008

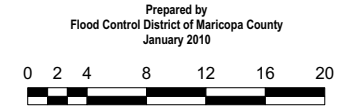
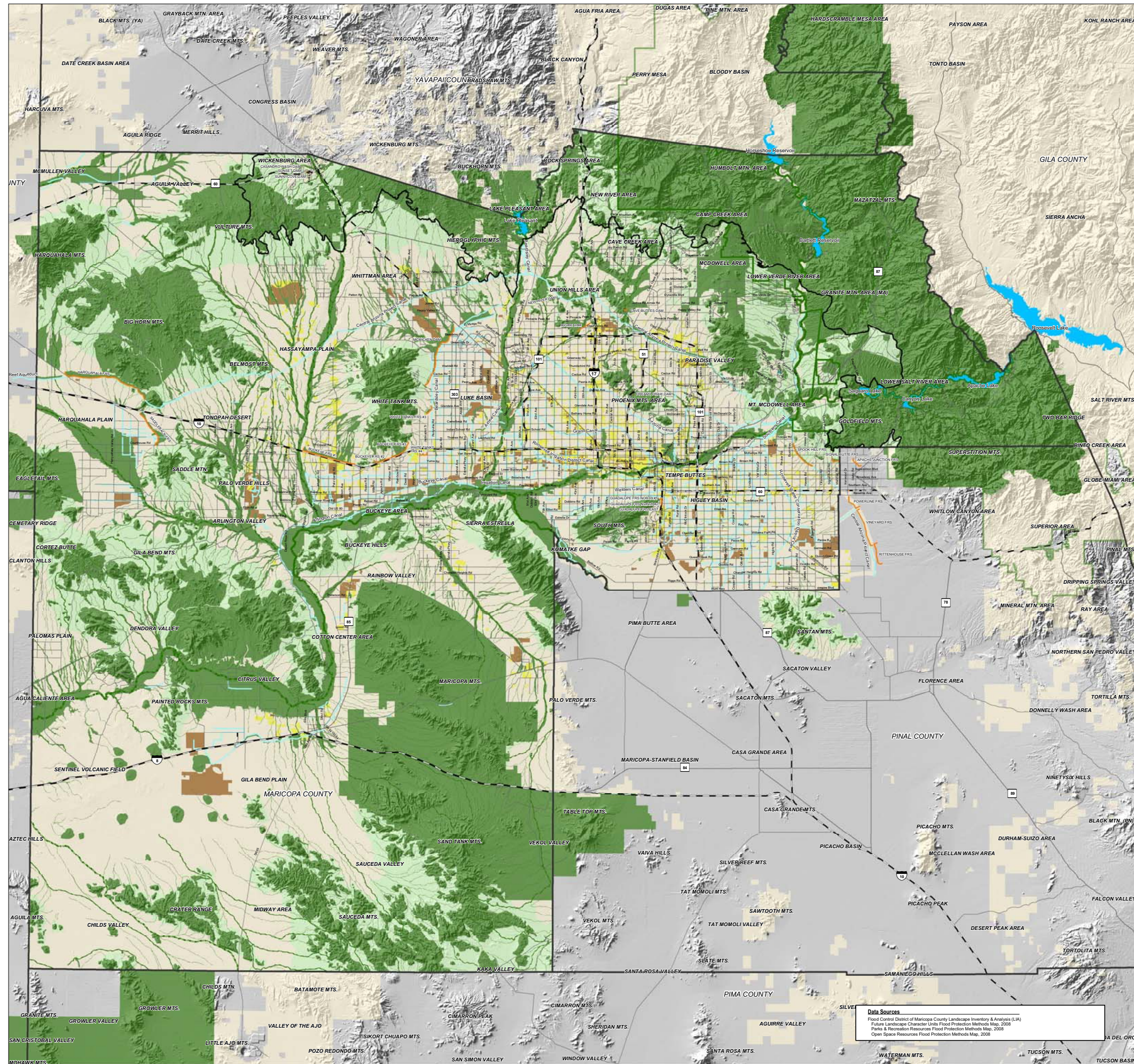


Figure 22

# Landscape Inventory & Analysis for Maricopa County

## Scenery Resource Assessment COMBINED RESOURCES FLOOD PROTECTION STRUCTURAL METHODS COMPATIBILITY Future Landscape Character Units, Recreation and Open Space



Compatibility Classes	Natural Methods	Soft Structural	Semi-Soft Structural	Enhanced Hard Structural	Semi-Hard Structural	Hard Structural
Class 1	█					
Class 2	█	█				
Class 3			█			
Class 4				█		
Class 5					█	
Class 6						█

Landscape Character Unit Flood Protection Structural Method Compatibility Class Map	Reduced Landscape Character Unit Flood Protection Method Compatibility Classes						
	Method	Flood Protection Structural Method Class	Class 6	Class 5	Class 4	Class 3	Class 2
Hard Structural	6	6	5	4	3	2	1
Semi-Hard Structural	5	5	5	4	3	2	1
Hard Structural with Aesthetic Treatment	4	4	4	4	3	2	1
Semi-Soft Structural	3	3	3	3	3	2	1
Soft-Structural	2	2	2	2	2	2	1
Non-Structural	1	1	1	1	1	1	1

### REFERENCE FEATURES

- Tonto National Forest Boundary
- County Boundary
- Interstate Highways
- State Highways
- Major Roads
- Flood Control Structures
- Canals
- Intermittent Streams
- Perennial Streams
- Lakes

**Data Sources:**  
 Flood Control District of Maricopa County Landscape Inventory & Analysis (LIA)  
 Future Landscape Character Units Flood Protection Methods Map, 2008  
 Parks & Recreation Resources Flood Protection Methods Map, 2008  
 Open Space Resources Flood Protection Methods Map, 2008

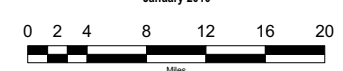
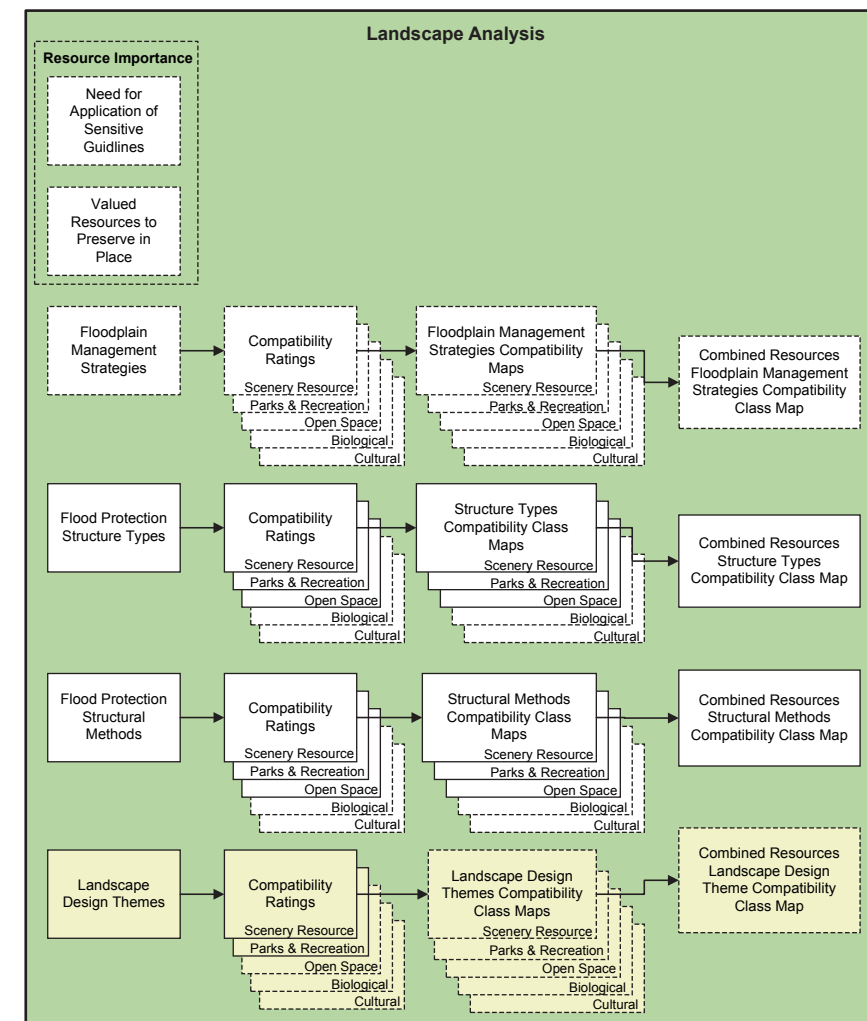


Figure 23

# Landscape Design Themes Compatibility Analysis



# Landscape Design Themes Compatibility with Landscape Character Units

Sonoran Desert Character Type	1	2	3	4	5	6	7	8	9	10
	Natural Sonoran Desert Upland	Natural Sonoran Desert Upland Riparian	Natural Lower Sonoran Desert	Natural Lower Sonoran Desert Riparian	Natural Sonoran Desert Hydro Riparian	Semi-Natural Sonoran Desert	Enhanced Desert	Desert Park	Desert Oasis	Urban Plaza
<b>Landscape Character Units</b>										
Natural River Channel	IC	IC	IC	C	C	C	IC	IC	IC	IC
Rural River Channel	IC	IC	IC	C	C	C	IC	IC	IC	IC
Suburban River Channel	IC	IC	IC	C	C	C	C	C	C	IC
Urban River Channel	IC	IC	IC	C	C	C	C	C	C	C
Industrial River Channel	IC	IC	IC	C	C	C	C	C	C	IC
Natural River Terrace	IC	IC	IC	C	C	C	IC	IC	IC	IC
Rural River Terrace	IC	IC	IC	C	C	C	IC	IC	IC	IC
Suburban River Terrace	IC	IC	IC	C	C	C	C	C	C	IC
Urban River Terrace	IC	IC	IC	C	C	C	C	C	C	C
Industrial River Terrace	IC	IC	IC	C	C	C	C	C	C	IC
Natural Valley Plain	IC	IC	C	C	C	C	IC	IC	IC	IC
Rural Valley Plain	IC	IC	C	C	C	C	IC	IC	IC	IC
Suburban Valley Plain	IC	IC	C	C	C	C	C	C	C	IC
Urban Valley Plain	IC	IC	C	C	C	C	C	C	C	C
Industrial Valley Plain	IC	IC	C	C	C	C	C	C	C	IC
Natural Valley Wash	IC	IC	IC	C	C	C	IC	IC	IC	IC
Rural Valley Wash	IC	IC	IC	C	C	C	IC	IC	IC	IC
Suburban Valley Wash	IC	IC	IC	C	C	C	C	C	C	IC
Urban Valley Wash	IC	IC	IC	C	C	C	C	C	C	C
Industrial Valley Wash	IC	IC	IC	C	C	C	C	C	C	IC
Natural Arroyo	IC	C	IC	IC	C	C	IC	IC	IC	IC
Rural Arroyo	IC	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Arroyo	IC	C	IC	IC	C	C	C	C	C	IC
Urban Arroyo	IC	C	IC	IC	C	C	C	C	C	C
Industrial Arroyo	IC	C	IC	IC	C	C	C	C	C	IC
Natural Upper Bajada	C	C	IC	IC	C	C	IC	IC	IC	IC
Rural Upper Bajada	C	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Upper Bajada	C	C	IC	IC	C	C	C	C	C	IC
Urban Upper Bajada	C	C	IC	IC	C	C	C	C	C	C
Industrial Upper Bajada	C	C	IC	IC	C	C	C	C	C	IC
Natural Lower Bajada	C	C	IC	IC	C	C	IC	IC	IC	IC
Rural Lower Bajada	C	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Lower Bajada	C	C	IC	IC	C	C	C	C	C	IC
Urban Lower Bajada	C	C	IC	IC	C	C	C	C	C	C
Industrial Lower Bajada	C	C	IC	IC	C	C	C	C	C	IC
Natural Volcanic Field	C	C	IC	IC	C	C	IC	IC	IC	IC
Rural Volcanic Field	C	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Volcanic Field	C	C	IC	IC	C	C	C	C	C	IC
Urban Volcanic Field	C	C	IC	IC	C	C	C	C	C	C
Industrial Volcanic Field	C	C	IC	IC	C	C	C	C	C	IC
Natural Foothills	C	C	IC	IC	C	C	IC	IC	IC	IC
Rural Foothills	C	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Foothills	C	C	IC	IC	C	C	C	C	C	IC
Urban Foothills	C	C	IC	IC	C	C	C	C	C	C
Industrial Foothills	C	C	IC	IC	C	C	C	C	C	IC
Natural Mountains	C	C	IC	IC	C	C	IC	IC	IC	IC
Rural Mountains	C	C	IC	IC	C	C	IC	IC	IC	IC
Suburban Mountains	C	C	IC	IC	C	C	C	C	C	IC
Urban Mountains	C	C	IC	IC	C	C	C	C	C	C
Industrial Mountains	C	C	IC	IC	C	C	C	C	C	IC

Tonto Character Type	1	2	3	4	5
	Natural Upper Tonto	Natural Sonoran Arizona Upland	Natural Sonoran Desert Upland Riparian	Natural Tonto Hydro Riparian	Modified Tonto
<b>Landscape Character Units</b>					
Natural Upland Wash	IC	IC	C	C	IC
Rural Upland Wash	IC	IC	C	C	C
Suburban Upland Wash	IC	IC	C	C	C
Urban Upland Wash	IC	IC	C	C	C
Industrial Upland Wash	IC	IC	C	C	C
Natural Sonoran Arizona Upland	IC	C	IC	IC	IC
Rural Sonoran Arizona Upland	IC	C	IC	IC	C
Suburban Sonoran Arizona Upland	IC	C	IC	IC	C
Urban Sonoran Arizona Upland	IC	C	IC	IC	C
Industrial Sonoran Arizona Upland	IC	C	IC	IC	C
Natural Upper Tonto	C	IC	IC	IC	IC
Rural Upper Tonto	C	IC	IC	IC	C
Suburban Upper Tonto	C	IC	IC	IC	C
Urban Upper Tonto	C	IC	IC	IC	C
Industrial Upper Tonto	C	IC	IC	IC	C
Natural Upper Tonto Stream	IC	IC	IC	C	IC
Rural Upper Tonto Stream	IC	IC	IC	C	C
Suburban Upper Tonto Stream	IC	IC	IC	C	C
Urban Upper Tonto Stream	IC	IC	IC	C	C
Industrial Upper Tonto Stream	IC	IC	IC	C	C
Natural Tonto River	IC	IC	C	C	IC
Rural Tonto River	IC	IC	C	C	C
Suburban Tonto River	IC	IC	C	C	C
Urban Tonto River	IC	IC	C	C	C
Industrial Tonto River	IC	IC	C	C	C

# Landscape Design Themes Compatibility with Parks & Recreation Resources

Sonoran Desert Character Type	1	2	3	4	5	6	7	8	9	10
	Natural Sonoran Desert Upland	Natural Sonoran Desert Upland Riparian	Natural Lower Sonoran Desert	Natural Lower Sonoran Desert Riparian	Natural Sonoran Desert Hydro Riparian	Semi-Natural Sonoran Desert	Enhanced Desert	Desert Park	Desert Oasis	Urban Plaza
<b>Federal</b>										
Wilderness Areas	C	C	C	C	C	IC	IC	IC	IC	IC
National Monuments	C	C	C	C	C	IC	IC	IC	IC	IC
National Wildlife Refuges / Preserves	C	C	C	C	C	IC	IC	IC	IC	IC
Other BLM Lands	C	C	C	C	C	C	C	C	IC	IC
Other National Forest Lands	C	C	C	C	C	C	C	C	IC	IC
<b>State</b>										
State Parks (None)	C	C	C	C	C	IC	IC	IC	IC	IC
Wildlife Areas	C	C	C	C	C	IC	IC	IC	IC	IC
<b>Regional</b>										
County Regional Parks	C	C	C	C	C	IC	IC	IC	IC	IC
County Recreation Areas	C	C	C	C	C	C	IC	IC	IC	IC
City Regional Parks	C	C	C	C	C	C	IC	IC	IC	IC
City Mountain Preserves	C	C	C	C	C	IC	IC	IC	IC	IC
Maricopa Regional Trail System	C	C	C	C	C	C	C	C	C	C
<b>Local</b>										
<b>City and County Parks</b>										
Rural	C	C	C	C	C	C	C	C	C	C
Suburban	C	C	C	C	C	C	C	C	C	C
Urban	C	C	C	C	C	C	C	C	C	C
<b>Other Recreation Areas</b>										
Golf Courses	C	C	C	C	C	C	C	C	C	C

Tonto Character Type	1	2	3	4	5
	Natural Upper Tonto	Natural Sonoran Arizona Upland	Natural Sonoran Desert Upland Riparian	Natural Tonto Hydro Riparian	Modified Tonto
<b>Federal</b>					
Wilderness Areas	C	C	C	C	IC
National Monuments	C	C	C	C	IC
National Wildlife Refuges / Preserves	C	C	C	C	IC
Other BLM Lands	C	C	C	C	IC
Other National Forest Lands	C	C	C	C	IC
<b>State</b>					
State Parks (None)	C	C	C	C	IC
Wildlife Areas	C	C	C	C	IC
<b>Regional</b>					
County Regional Parks	C	C	C	C	IC
County Recreation Areas	C	C	C	C	C
City Regional Parks	C	C	C	C	C
City Mountain Preserves	C	C	C	C	IC
Maricopa Regional Trail System	C	C	C	C	C
<b>Local</b>					
<b>City and County Parks</b>					
Rural	C	C	C	C	C
Suburban	C	C	C	C	C
Urban	C	C	C	C	C
<b>Other Recreation Areas</b>					
Golf Courses	C	C	C	C	C

# Landscape Design Themes Compatibility with Open Space Resources

Sonoran Desert Character Type	1	2	3	4	5	6	7	8	9	10
	Natural Sonoran Desert Upland	Natural Sonoran Desert Upland Riparian	Natural Lower Sonoran Desert	Natural Lower Sonoran Desert Riparian	Natural Sonoran Desert Hydro Riparian	Semi-Natural Sonoran Desert	Enhanced Desert	Desert Park	Desert Oasis	Urban Plaza
<b>Desert Spaces Open Space Plan</b>										
<b>Secured Open Space</b>										
<b>Federal</b>										
Wilderness Areas	C	C	C	C	C	C	IC	IC	IC	IC
National Monuments	C	C	C	C	C	C	IC	IC	IC	IC
National Wildlife Refuges / Preserves	C	C	C	C	C	C	IC	IC	IC	IC
<b>State</b>										
State Parks (None)	C	C	C	C	C	IC	IC	IC	IC	IC
Wildlife Areas	C	C	C	C	C	IC	IC	IC	IC	IC
<b>Regional</b>										
County Regional Parks	C	C	C	C	C	C	IC	IC	IC	IC
County Recreation Areas	C	C	C	C	C	C	IC	IC	IC	IC
City Regional Parks	C	C	C	C	C	IC	IC	IC	IC	IC
City Mountain Preserves	C	C	C	C	C	C	IC	IC	IC	IC
<b>Conservation Open Spaces</b>	C	C	C	C	C	IC	IC	IC	IC	IC
<b>Retention Open Spaces</b>	C	C	C	C	C	C	C	C	IC	IC
<b>Other Federal Open Space Lands</b>										
BLM	C	C	C	C	C	C	C	C	IC	IC
National Forest Lands	C	C	C	C	C	C	C	C	IC	IC
<b>Floodplain Lands</b>										
Floodways	IC	C	IC	C	C	C	IC	IC	IC	IC
Floodplain Fringe Areas & Other Floodplain Zones	C	C	C	C	C	C	C	C	C	IC

Tonto Character Type	1	2	3	4	5
	Natural Upper Tonto	Natural Sonoran Arizona Upland	Natural Sonoran Desert Upland Riparian	Natural Tonto Hydro Riparian	Modified Tonto
<b>Desert Spaces Open Space Plan</b>					
<b>Secured Open Space</b>					
<b>Federal</b>					
Wilderness Areas	C	C	C	C	IC
National Monuments	C	C	C	C	IC
National Wildlife Refuges / Preserves	C	C	C	C	IC
<b>State</b>					
State Parks (None)	C	C	C	C	IC
Wildlife Areas	C	C	C	C	IC
<b>Regional</b>					
County Regional Parks	C	C	C	C	IC
County Recreation Areas	C	C	C	C	C
City Regional Parks	C	C	C	C	C
City Mountain Preserves	C	C	C	C	IC
<b>Conservation Open Spaces</b>	C	C	C	C	IC
<b>Retention Open Spaces</b>	C	C	C	C	C
<b>Other Federal Open Space Lands</b>					
BLM	C	C	C	C	IC
National Forest Lands	C	C	C	C	IC
<b>Floodplain Lands</b>					
Floodways	C	IC	IC	C	C
Floodplain Fringe Areas & Other Floodplain Zones	C	C	C	C	C

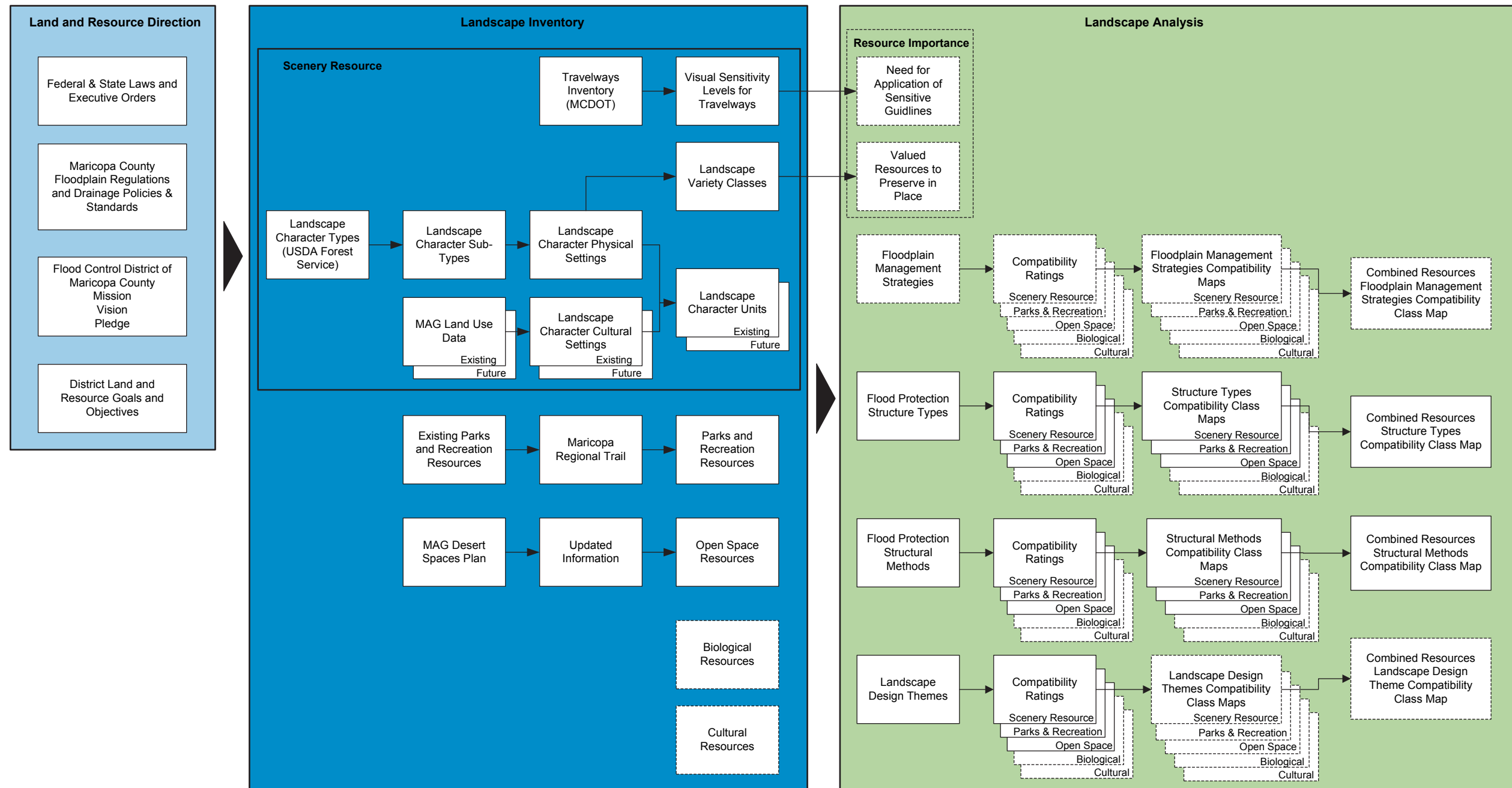
# Appendix

Detailed Landscape Inventory & Analysis Process

Landscape Character Cultural Settings Conversion Table



# Detailed Landscape Inventory & Analysis Process



# **Landscape Character Cultural Settings Conversion Table**

**DRAFT MAG Land Use Classification 2005**

LUCODE	Land Use (Level 1- MODELING)	Land Use Sector (Level 1)	Land Use (Level 2- Long Display)	LUCODE (Level 4- Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2- Long Display)	Long Display Description (Level 2- Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings
100	RESIDENTIAL	SINGLE FAMILY RESIDENTIAL	Single Family Low Density - Less than 1 du/ac	100	General Residential	General Residential	SFL	Single Family Low Density - Less than 1 du/ac	SF	Single Family Residential	Rural
				110	Rural Residential	<= 1/5 du per acre (SF)	SFL	Single Family Low Density - Less than 1 du/ac	SF	Single Family Residential	Rural
				120	Estate Residential	1/5 du per acre to 1 du per acre (SF)	SFL	Single Family Low Density - Less than 1 du/ac	SF	Single Family Residential	Rural
			Single Family Medium Density - 1 to 4 du/ac	130	Large Lot Residential (SF)	1 du per acre to 2 du per acre (SF)	SFM	Single Family Medium Density - 1 to 4 du/ac	SF	Single Family Residential	Suburban
				140	Medium Lot Residential (SF)	2-4 du per acre (SF)	SFM	Single Family Medium Density - 1 to 4 du/ac	SF	Single Family Residential	Suburban
			Single Family High Density - Greater than 4 du/ac - Includes Mobile Homes	150	Small Lot Residential (SF)	4-6 du per acre (SF)	SFH	Single Family High Density - Greater than 4 du/ac - Includes Mobile Homes	SF	Single Family Residential	Suburban
				160	Very Small Lot Residential (SF)	>6 du per acre (SF)	SFH	Single Family High Density - Greater than 4 du/ac - Includes Mobile Homes	SF	Single Family Residential	Suburban
				161	Very Small Lot Residential (SF-Mobile Homes)	Mobile home parks/RV Parks (>6 du per acre)	SFH	Single Family High Density - Greater than 4 du/ac - Includes Mobile Homes	SF	Single Family Residential	Suburban
				170	Medium Density Residential (MF)	5-10 du per acre (MF)	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Suburban
		MULTI FAMILY RESIDENTIAL	Multi Family	180	High Density Residential (MF)	10-15 du per acre (MF)	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Urban
				190	Very High Density Residential (MF)	>15 DU/AC Residential (MF)	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Urban
				198	Parking structures serving Residential	Parking structures serving Residential	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Urban
				199 M	Parking lots serving Residential	Parking lots serving Residential	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Urban
199	Parking lots serving Residential			Parking lots serving Residential	MF	Multi Family - Apartment/Condo	MF	Multi Family Residential	Suburban		

Note: The cultural settings classifications shown in this table were obtained from the SRA reclass tables used for the 2007 update. Classifications for Land Use Codes not included in the SRA reclass tables were assigned by DB Holcomb. Feb 5, 2008

LUCODE	Land Use (Level 1 - MODELING)	Land Use Sector (Level 1)	Land Use (Level 2 - Long Display)	LUCODE (Level 4 - Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2 - Long Display)	Long Display Description (Level 2 - Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings
200	RETAIL	RETAIL	Retail Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	200	General Retail	Commercial where no detail available	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Suburban
				201	Very Low Density Commercial	Amusement facilities	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Suburban
				202 M	Low Density Commercial	Movie Theatres, Skating Rinks	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Urban
				202	Low Density Commercial	Movie Theatres, Skating Rinks	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Suburban
				203	Greenhouse Commercial	Nurseries, Greenhouses	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Rural
				210 M	Specialty Commercial	<=50,000 square feet	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Urban
				210	Specialty Commercial	<=50,000 square feet	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Suburban
				220 M	Neighborhood Commercial	50,000 to 100,000 square feet	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Urban
				220	Neighborhood Commercial	50,000 to 100,000 square feet	RL	Commercial Low - Amusement/Movie Theatre/Specialty Retail/Neighborhood Retail	RET	Retail	Suburban
				230	Community Commercial	100,000 to 500,000 square feet	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Urban
			240	Regional Commercial	500,000 to 1,000,000 square feet	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Urban	
			250	Super-Regional Commercial	>= 1,000,000 square feet	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Urban	
			298	Parking structures serving Commercial	Parking structures serving Commercial	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Urban	
			299 M	Parking lots serving Commercial	Parking lots serving Commercial	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Urban	
			299	Parking lots serving Commercial	Parking lots serving Commercial	RH	Commercial High - Community Retail/Regional Retail	RET	Retail	Suburban	
			Retail High - Community Retail/Regional Retail								

Note: The cultural settings classifications shown in this table were obtained from the SRA reclass tables used for the 2007 update. Classifications for Land Use Codes not included in the SRA reclass tables were assigned by DB Holcomb. Feb 5, 2008

LUCODE	Land Use (Level 1- MODELING)	Land Use Sector (Level 1)	Land Use (Level 2- Long Display)	LUCODE (Level 4- Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2- Long Display)	Long Display Description (Level 2- Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings		
300	INDUSTRIAL	INDUSTRIAL	Industrial	300	General Industrial	General Industrial	IND	Industrial	IND	Industrial	Industrial		
				310 M	Light Industrial	Warehouse/Distribution Centers	IND	Industrial	IND	Industrial	Urban		
				310	Light Industrial	Warehouse/Distribution Centers	IND	Industrial	IND	Industrial	Suburban		
				320	Industrial	Industrial	IND	Industrial	IND	Industrial	Industrial		
				398	Parking structures serving Industrial	Parking structures serving Industrial	IND	Industrial	IND	Industrial	Industrial		
				399	Parking lots serving Industrial	Parking lots serving Industrial	IND	Industrial	IND	Industrial	Industrial		
400	OFFICE	OFFICE	Office	400	Office General	Office where no detail available	OFF	Office	OFF	Office	Urban		
				410 M	Office Low Rise	1-4 stories	OFF	Office	OFF	Office	Urban		
				410	Office Low Rise	1-4 stories	OFF	Office	OFF	Office	Suburban		
				420	Office Mid Rise	5-12 stories	OFF	Office	OFF	Office	Urban		
				430	Office High Rise	13 stories or more	OFF	Office	OFF	Office	Urban		
				498	Parking structures serving Office	Parking structures serving Office	OFF	Office	OFF	Office	Urban		
				499 M	Parking lots serving Office	Parking lots serving Office	OFF	Office	OFF	Office	Urban		
	OTHER		Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	500	General Employment	Employment where no detail available	OTH	Other Employment	OTH/PUB	Other/Public Employment	Industrial		
				Tourist Accomodations - Motel/Hotel/Resort	510	Tourist and Visitor Accommodations	Hotels, motels and resorts	HOT	Tourist Accomodations - Motel/Hotel/Resort	OTH/PUB	Other/Public Employment	Suburban	
					511	Motels	Motels	HOT	Tourist Accomodations - Motel/Hotel/Resort	OTH/PUB	Other/Public Employment	Suburban	
					512	Hotels	Hotels	HOT	Tourist Accomodations - Motel/Hotel/Resort	OTH/PUB	Other/Public Employment	Urban	
					513	Resorts	Resorts	HOT	Tourist Accomodations - Motel/Hotel/Resort	OTH/PUB	Other/Public Employment	Suburban	
					PUBLIC	Educational/Religious	520	Educational	Educational institutions where no detail available	EDU	Educational/Religious	OTH/PUB	Other/Public Employment
				521			Schools (K-12 grade)	Schools	EDU	Educational/Religious	OTH/PUB	Other/Public Employment	Suburban
	522 M		Post High School Institutions	Including public and private colleges and technical training institutions			EDU	Educational	OTH/PUB	Other/Public Employment	Urban		
	522		Post High School Institutions	Including public and private colleges and technical training institutions			EDU	Educational	OTH/PUB	Other/Public Employment	Suburban		
	523		Arizona State University	ASU Main and Extended Campuses			EDU	Educational	OTH/PUB	Other/Public Employment	Urban		
	524		Dormitories	Dormitories associated with educational institutions			EDU	Educational	OTH/PUB	Other/Public Employment	Urban		
	525		Preschool/Daycare facilities	Preschool/Daycare facilities			EDU	Educational	OTH/PUB	Other/Public Employment	Suburban		

Note: The cultural settings classifications shown in this table were obtained from the SRA reclass tables used for the 2007 update. Classifications for Land Use Codes not included in the SRA reclass tables were assigned by DB Holcomb. Feb 5, 2008

LUCODE	Land Use (Level 1- MODELING)	Land Use Sector (Level 1)	Land Use (Level 2- Long Display)	LUCODE (Level 4- Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2- Long Display)	Long Display Description (Level 2- Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings	
500	OTHER	OTHER/PUBLIC EMPLOYMENT	Medical/Nursing Home	530	Institutional	Institutions where no details are available	MED	Medical/Nursing Home	OTH/PUB	Other/Public Employment	Suburban	
				531	Medical Institutions	Hospitals/Medical Centers	MED	Medical/Nursing Home	OTH/PUB	Other/Public Employment	Urban	
			Educational/Religious	532	Religious Institutions	Churches/Religious Institutions	REL	Religious	OTH/PUB	Other/Public Employment	Suburban	
			Medical/Nursing Home	533	Nursing Homes	Nursing Homes (Group Quarter)	MED	Medical/Nursing Home	OTH/PUB	Other/Public Employment	Suburban	
				534	Assisted Care Facilities	Assisted Care Facilities	MED	Medical/Nursing Home	OTH/PUB	Other/Public Employment	Suburban	
			Cemetery	540	Cemeteries	Cemeteries, Mausoleums, Crematoriums	CEM	Cemetery	OTH/PUB	Other/Public Employment	Suburban	
			PUBLIC	Public/Special Event/Military	550	Public Facilities	Public Facilities where no details are available	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Suburban
					551	Public Offices	Includes city halls	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Urban
					552	Public Services	Includes community centers, libraries, police and fire stations, courts, prisons and other government services	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Urban
					553	Large Public Facilities	Includes power sub-stations, Work yards, Sewer and Water treatment plants	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Industrial
	554	Military			Military Use	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Industrial		
	555	Limited Use Public Facilities			Very small difficult to access parcels	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Suburban		
	560	Special Events			Includes stadiums, sports complexes, and fairgrounds	PUB	Public/Special Event/Military	OTH/PUB	Other/Public Employment	Urban		
	OTHER	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	570	Other Employment (low)	Other Employment (low)	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
			571	Landfill	Landfill	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
			572	Sand and Gravel	Sand and Gravel	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
			573	Proving Grounds	Proving Grounds	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
			574	Mining	Mining	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		

Note: The cultural settings classifications shown in this table were obtained from the SRA reclass tables used for the 2007 update. Classifications for Land Use Codes not included in the SRA reclass tables were assigned by DB Holcomb. Feb 5, 2008

LUCODE	Land Use (Level 1- MODELING)	Land Use Sector (Level 1)	Land Use (Level 2- Long Display)	LUCODE (Level 4- Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2- Long Display)	Long Display Description (Level 2- Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings		
				580	Other Employment (medium)	Other Employment (Medium)	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
				590	Other Employment (high)	Other Employment (High)	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
				598	Parking structures serving Facilities/Employment	Parking structures serving Facilities/Employment	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
				599	Parking lots serving Facilities/Employment	Parking lots serving Facilities/Employment	OTH	Other Employment - Landfill/Proving Grounds/Sand and Gravel/etc.	OTH/PUB	Other/Public Employment	Industrial		
600	PUBLIC	TRANSPORTATION	Transportation	600	General Transportation	Transportation where no detail available	TPT	Transportation	TPT	Transportation	Null		
				610	Transportation	Freeways/Expressways/ Highways/ Major Roads/ Arterials/ ROWs where no detail available	TPT	Transportation	TPT	Transportation	Null		
				611 M	Parking Lots	Parking Lots	TPT	Transportation	TPT	Transportation	Urban		
				611	Parking Lots	Parking Lots	TPT	Transportation	TPT	Transportation	Suburban		
				612	Parking Structures	Parking Structures	TPT	Transportation	TPT	Transportation	Urban		
				613	Park and Ride lots	Park and Ride lots	TPT	Transportation	TPT	Transportation	Suburban		
				614	Transit Center	Transit Center	TPT	Transportation	TPT	Transportation	Urban		
				615	Freeways/Expressways/ Highways	Freeways/Expressways/ Highways	TPT	Transportation	TPT	Transportation	Null		
				616	Major Roads, Arterials	Major Roads, Arterials	TPT	Transportation	TPT	Transportation	Null		
				617	Neighborhood roads	Neighborhood roads	TPT	Transportation	TPT	Transportation	Null		
	618	Railroads	Railroads	TPT	Transportation	TPT	Transportation	Null					
	OTHER			Airport	620	Airports	Public use airports	AIR	Airport	TPT	Transportation	Industrial	
					621	Sky Harbor Airport	Sky Harbor Airport	AIR	Airport	TPT	Transportation	Urban	
699					Airport Parking	Airport Parking	AIR	Airport	TPT	Transportation	Industrial		
700	PUBLIC	OPEN SPACE	Active Open Space	700	General Open Space	Open Space where no detail available	OSA	Active Open Space	OS	Open Space	Natural		
				710	City/Regional Active Open Space	Includes city/regional parks, playgrounds/fields	OSA	Active Open Space	OS	Open Space	Natural		
				711	Local/Neighborhood Active Open Space	Includes Local/Neighborhood common areas, parks, playgrounds	OSA	Active Open Space	OS	Open Space	Suburban		
				OTHER	Golf Course	720	Golf courses	Golf Courses	GC	Golf Course	OS	Open Space	Suburban
						PUBLIC	Passive/Restricted Open Space	730	Passive Open Space	Includes mountain preserves and washes	OSP	Passive/Restricted Open Space	OS
	731		Restricted Open Space	Restricted Open Space (Including Firing Range)	OSP			Passive/Restricted Open Space	OS	Open Space	Natural		
	732		Floodplain	Floodplain	OSP			Passive/Restricted Open Space	OS	Open Space	Natural		
	OTHER		Water	Agriculture	740	Water	Water	WAT	Water	OS	Open Space	Natural	
					750	Agriculture	General Agriculture	AGR	Agriculture	OS	Open Space	Rural	

Note: The cultural settings classifications shown in this table were obtained from the SRA reclass tables used for the 2007 update. Classifications for Land Use Codes not included in the SRA reclass tables were assigned by DB Holcomb. Feb 5, 2008

LUCODE	Land Use (Level 1- MODELING)	Land Use Sector (Level 1)	Land Use (Level 2- Long Display)	LUCODE (Level 4- Detailed)	Land Use (Level 4 - Detailed)	Description	Long Display Code (Level 2- Long Display)	Long Display Description (Level 2- Long Display)	Sector Display Code (Level 1)	Sector Display Description	Landscape Character Cultural Settings
	PUBLIC		Active Open Space	798	Parking structures serving Open Space	Parking structures servingOpen Space	OSA	Active Open Space	OS	Open Space	Suburban
				799	Parking lots serving Open Space	Parking lots servingOpen Space	OSA	Active Open Space	OS	Open Space	Rural
800	MULTI USE - RESIDENTIAL/ EMPLOYMENT	MULTIPLE USE	800	800	Multiple Use General	Multiple Use where no detail available	MU	Mixed Use	MU	Multiple Use	Suburban
			Business Park	810	Business Park	Includes enclosed industrial, office or retail in a planned environment	BP	Business Park	MU	Multiple Use	Suburban
			Mixed Use	820	Mixed Use	Jurisdiction defined	MU	Mixed Use	MU	Multiple Use	Suburban
				821	Mixed Use/Indian Community	Mixed Use/Indian Community	MU	Mixed Use	MU	Multiple Use	Urban
			Planned Development	830	Planned Community	Planned Community	PD	Planned Development	MU	Multiple Use	Suburban
			Business Park	898	Parking structures serving Multiple Use	Parking structures serving Multiple Use	BP	Business Park	MU	Multiple Use	Suburban
899	Parking lots serving Multiple Use	Parking lots serving Multiple Use		BP	Business Park	MU	Multiple Use	Suburban			
900	VACANT	VACANT	Vacant	900	Vacant (existing land use database only)	Vacant	VAC	Vacant	VAC	Vacant	Natural
			Developing Residential	910	Developing Residential	Residential Under Construction	DVR	Developing Residential	VAC	Vacant	Suburban
			Developing Employment Generating	920 M	Developing Commercial	Commercial Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Urban
				920	Developing Commercial	Commercial Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Suburban
				930	Developing Industrial	Industrial Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Industrial
				940	Developing Office	Office Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Suburban
				950 M	Developing Public/Other Employment	Employment Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Urban
			950	Developing Public/Other Employment	Employment Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Suburban	
			Transportation	960	Developing Transportation	Transportation Under Construction	TPT	Transportation	VAC	Vacant	Null
			Active Open Space	970	Developing Open Space	Developing Open Space	OSA	Active Open Space	VAC	Vacant	Suburban
Developing Employment Generating	980	Developing Multiple Use	Multiple Use Under Construction	DVE	Developing Employment Generating	VAC	Vacant	Suburban			
Unknown	999	Unknown	Unknown	UNK	Unknown	UNK	Unknown	Natural			

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