





Project Schedule







Avondale

- June 2015 IGA Extended
- September 2015 Draft Document

December 2013 - IGA Executed

October 2014 - Consultant Hired

November 2014 - Project Initiated

- October 2015 Open House at Estrella **Mountain Regional Park**
- December 2015 Final Document
- February 2016 Accepted by Administrative Committee
- April 2016 Steering Committee Recommends Adoption
- May 2016 Adoption by Governing Bodies





El Rio Design Guidelines and Planning Standards



Chapter 1 - Background

Chapter 2 - Character and Vision

Chapter 3 – Land Development Guidelines

Chapter 4 – Open Spaces, Paths, Trails and Edge Treatments

Chapter 5 – Landscape Guidelines

Chapter 6 – Signage Guidelines

Chapter 7 – Economic Development

Chapter 8 – Pilot Projects









Gila River Watershed

- Gila River
 Watershed at
 Study Limits drains
 46,000 Square
 Miles
- El Rio Study Area –
 17.5 mi. from
 confluence with
 Agua Fria River to
 SR85
- Six miles in Goodyear



Source: K.Musser http://www.eoearth.org/ view/article/176074/brng





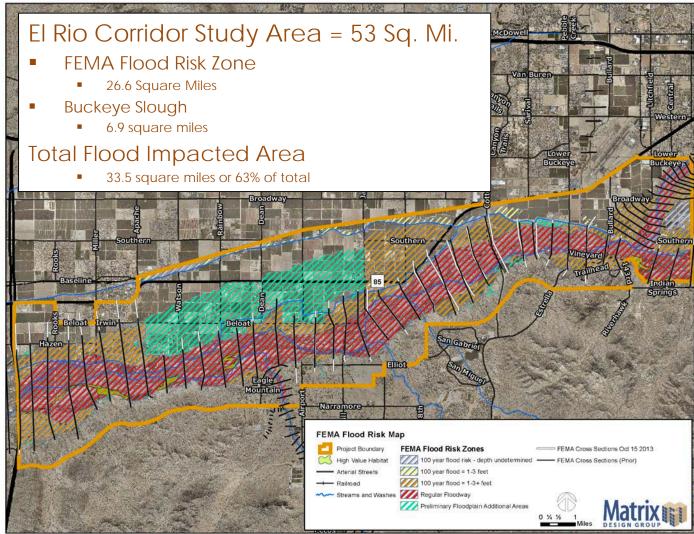








Study Area











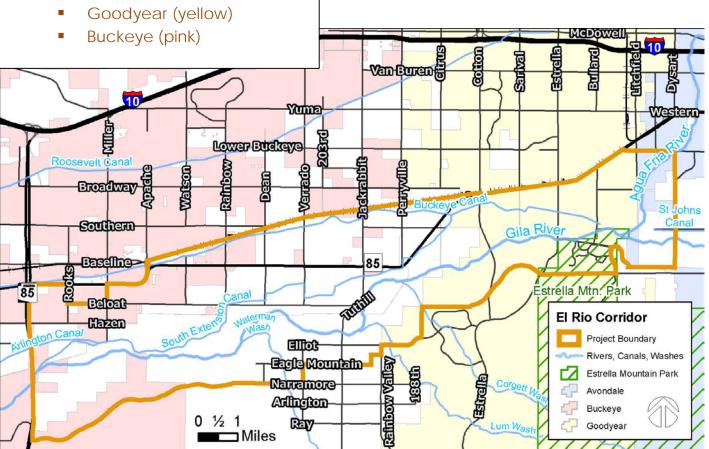




Jurisdictional Boundaries

Encompasses 4 Jurisdictions

- Maricopa County (white)
- Avondale (blue)









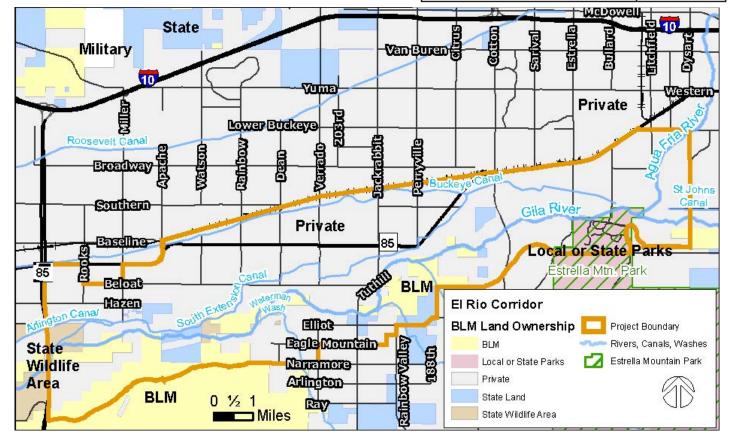






Land Ownership

Ownership Type	Acreage
Private	26,866
Bureau of Land Management	4,046
Arizona State Land	1,338
Local or State Parks	996
State Wildlife Area	641
Total	33,886











Previous Studies



1987 – 97-Mile Water Course Master Plan

1999 - El Rio Water Course Master Plan Vision

2001 - Archeological Investigation of El Rio Corridor

2006 - El Rio Water Course Master Plan



- Develop structural and non-structural alternatives to minimize potential flooding
- 2. Manage environmental restoration of habitat by removal of salt cedar trees and reintroduction of native species
- 3. Enhance water quality through wetlands and open flow channels
- 4. Integrate multi-use recreational facilities and trails along the Gila River
- 5. Provide educational opportunities through interpretive hiking trails and riparian education centers
- 6. Highlight this economic asset that could become a regional and national destination





Chapter 2 - Character and Vision





Avondale

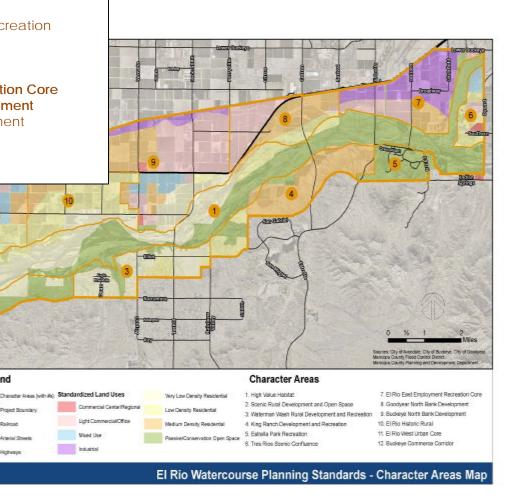




Character Areas

12 Character Areas - 5 in Goodyear

- High Value Habitat
- 2. Scenic Rural and Open Space
- 3. Waterman Wash Rural and Recreation
- 4. King Ranch and Recreation
- 5. Estrella Park Recreation
- 6. Tres Rios Scenic Confluence
- 7. El Rio East Employment Recreation Core
- 8. Goodyear North Bank Development
- 9. Buckeye North Bank Development
- 10. El Rio Historic Rural
- 11. El Rio West Urban Core
- 12. Buckeye Commerce Corridor





Legend

✓ Highways

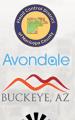
Matrix



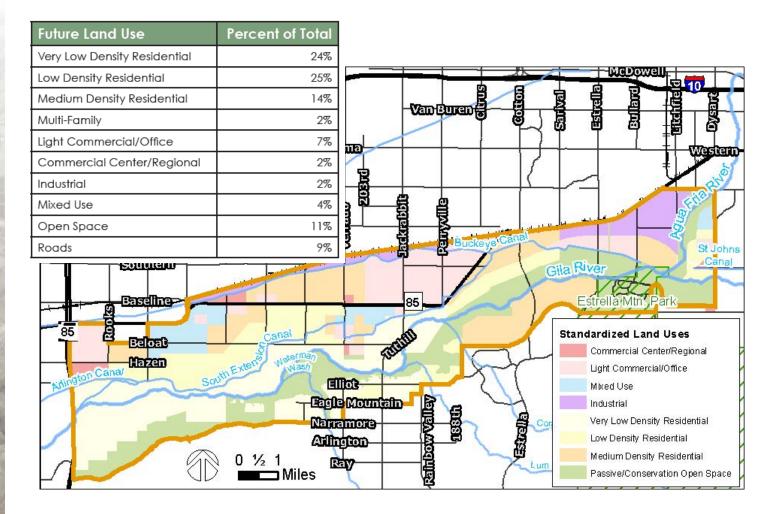


Chapter 2 - Character and Vision





Future Land Use







Chapter 2 - Character and Vision









El Rio Themes

Use Recycled Materials



Create Connections

Use Local Materials





Encourage Yr./Round Use



Create Discovery Zones



Make Accessible



Historical Interpretation





Respect the Setting















Development Objectives

- 1. Minimize impacts of flooding on human health and safety.
- 2. Encourage development in locations with little risk of flooding.
- 3. Allow development throughout the corridor at a scale appropriate to the risk of flooding and mitigation measures.
- 4. Recognize the potential for changes in flood risk resulting from future, funded local and regional flood improvements.









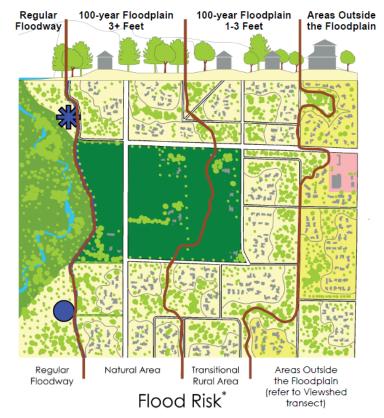


Transects

Viewshed Transect



Flood Risk Transect



El Rio Design Guidelines and Planning Standards A Guide for Land Management and Implementation of the El Rio Watercourse Master Plan





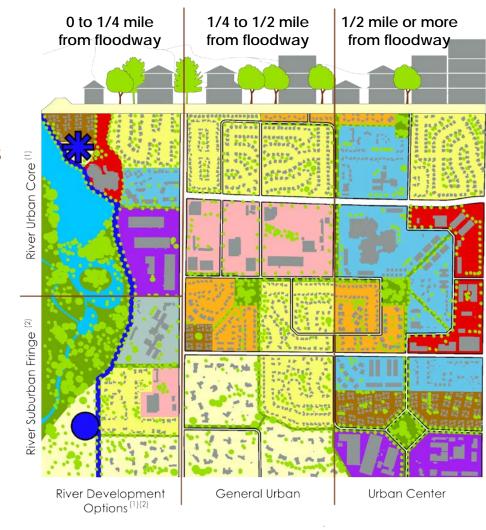






Viewshed Transect

- Applies to property outside the floodplain.
- Intent to preserve and enhance view corridors approaching the river by stepping down building heights adjacent to arterial road corridors and as you progress toward the river.
- More dense and intense development adjacent to the floodway may be considered with a detailed plan for development.





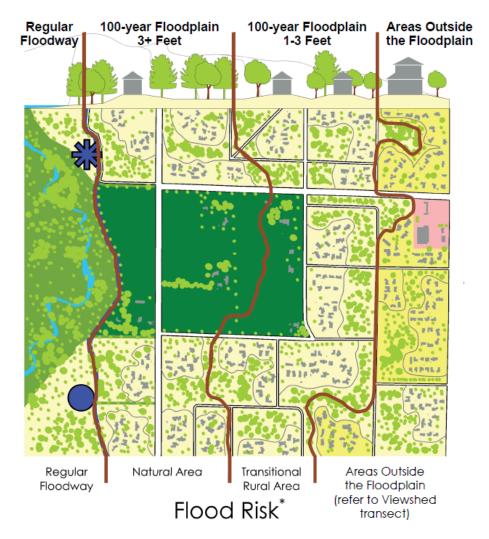






Flood Risk Transect

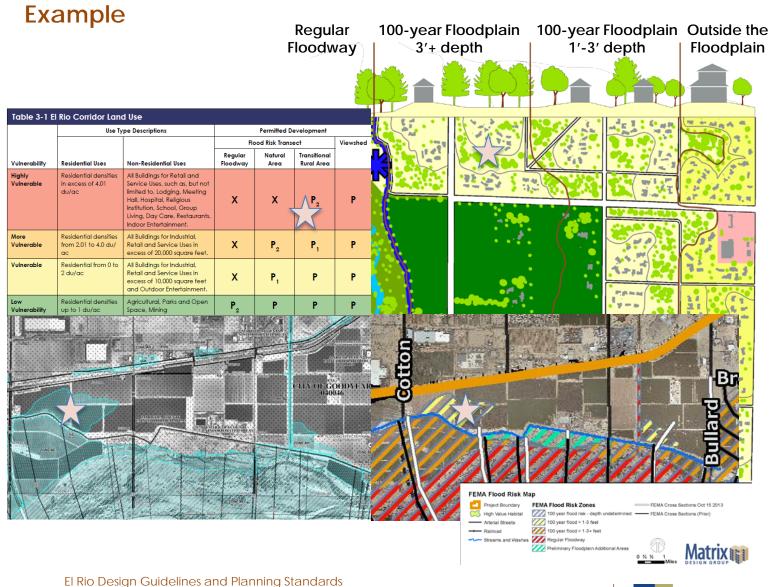
- Identifies appropriate type and scale of development for properties at risk of flooding.
- Mitigation measures to ensure minimal risk to life and property.
- Long-term maintenance of improvements must be provided.
- All properties must identify and provide a means for safe egress in the event of flooding.





















Chapter 4 – Open Spaces, Paths, Trails and Edge Treatments

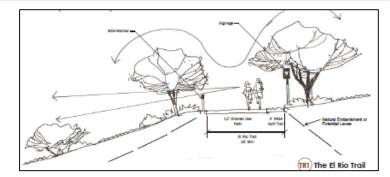
Trail Standards

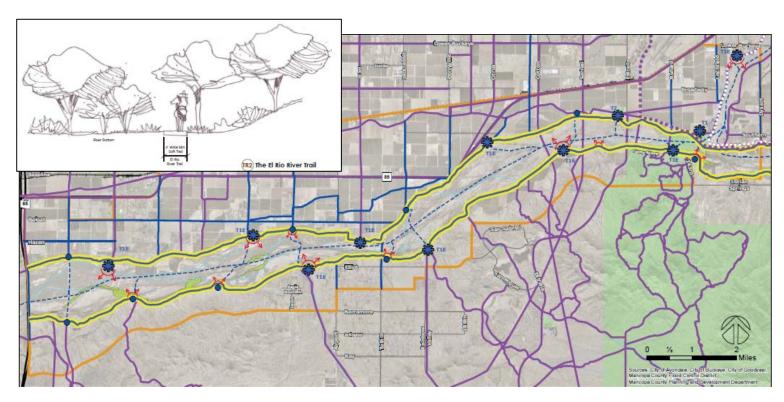
El Rio Trail

Along River's Edge

El Rio River Trail

In River Bottom











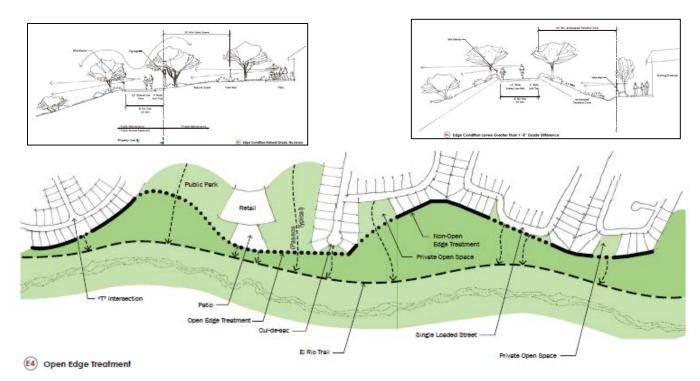






Edge Treatments

- "Edge" is Floodway Boundary
 - Natural or Levee
- Adjacent Development 60% Open
 - Provides Connection to Trail System (500')







Chapter 5 – Landscape Guidelines

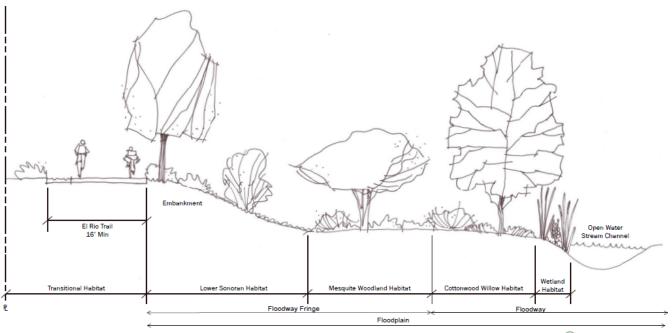






Landscape Palettes

- Transitional Habitat
 - Lower Sonoran Habitat
 - Mesquite Woodland Habitat
 - Cottonwood Willow Habitat
 - Wetland Habitat



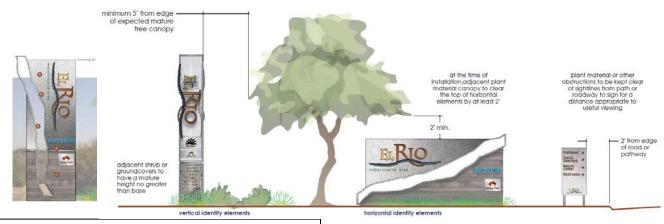




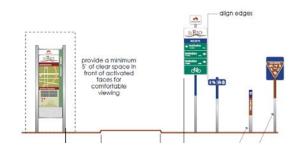


Chapter 6 – Signage Guidelines





- Materials and Color Palette
- **Navigation Elements**
- **Regulatory Elements**
- **Orientation Elements**
- **Identity Elements**
- **Educational Elements**







Primary **Educational Element**







Chapter 7 - Economic Development









Goodyear:

- Passive Recreation Opportunities
- Connection to Regional Trails
 - Sun Circle
 - Maricopa Trail (Bullard Wash)
- Commercial Nodes at Bridges

Recommendations:

- Identify Unique Recreational Districts
- Wide Range of Recreational Opportunities
- Activate Trails and Parks
- Engage Children and Families
- Form Partnerships with Stakeholders
- Market the El Rio Corridor





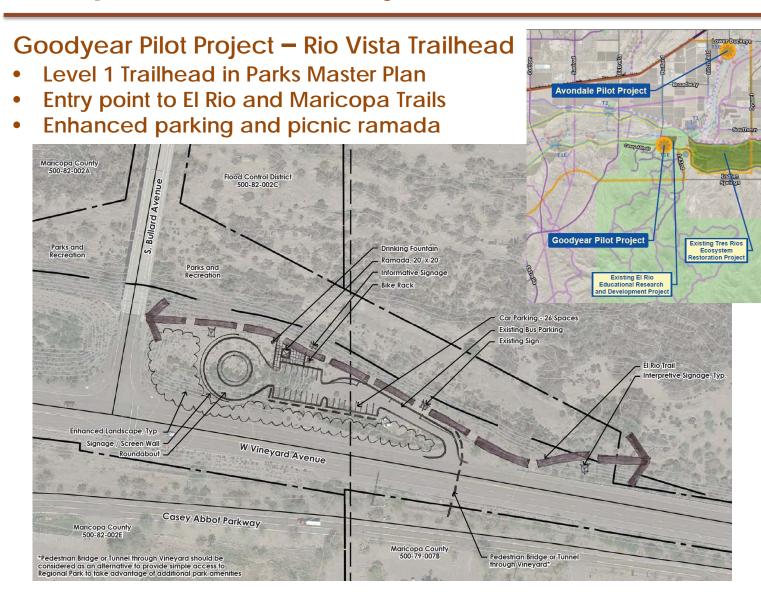
Chapter 8 – Pilot Projects















Design Guidelines and Planning Standards









Recommendation for Adoption:

El Rio Technical Committee – December 18, 2015 El Rio Administrative Committee - February 25, 2016 El Rio Steering Committee – April 12, 2016 Goodyear Planning and Zoning Commission – April 20, 2016

Staff Recommendation:

Adopt Resolution No. 16-1761 adopting the El Rio Design Guidelines and Planning Standards

Honor Award in Category of Analysis and Planning: AZ Chapter American Society of Landscape Architects – April 16, 2016

Recognition of outstanding professional achievement by J2 Engineering and Environmental Design and Project Sponsors: Cities of Avondale, Buckeye, Goodyear, Maricopa County (Planning & Development) and the Flood Control District of Maricopa County.





El Rio Design Guidelines and Planning Standards

