



Supervisor Mary Rose Wilcox, District 5

Rainbow Valley Area Drainage Master Plan Public Meeting No. 1

June 3, 2009

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Project Manager

Agenda

- Meeting Purpose
- Rainbow Valley ADMP Overview
- Alternatives Analysis Process
 - Watershed Characteristics
 - Context Sensitive Flood Hazard Mitigation Solutions
- General Questions & Comments
- Adjourn to Open House



ADMP Overview

- Identify flooding and drainage issues
- Collect and evaluate relevant “context” data
- Delineate flood hazard zones
- Receive input from residents and stakeholder agencies on community expectations
- Develop / evaluate flood mitigation alternatives (both non-structural & structural)
- Select Recommended Alternative



Project Stakeholders

- Citizens of Maricopa County
- City of Goodyear
- City of Avondale
- Town of Buckeye
- Bureau of Land Management
- Arizona State Land Department
- Arizona Game and Fish Department
- ADOT & MCDOT



Study Goals

- Develop regional flood protection and mitigation strategies
- Employ context sensitive solutions that respond to community needs
- Ensure compatibility with other regional plans
- Maximize multi-use opportunities

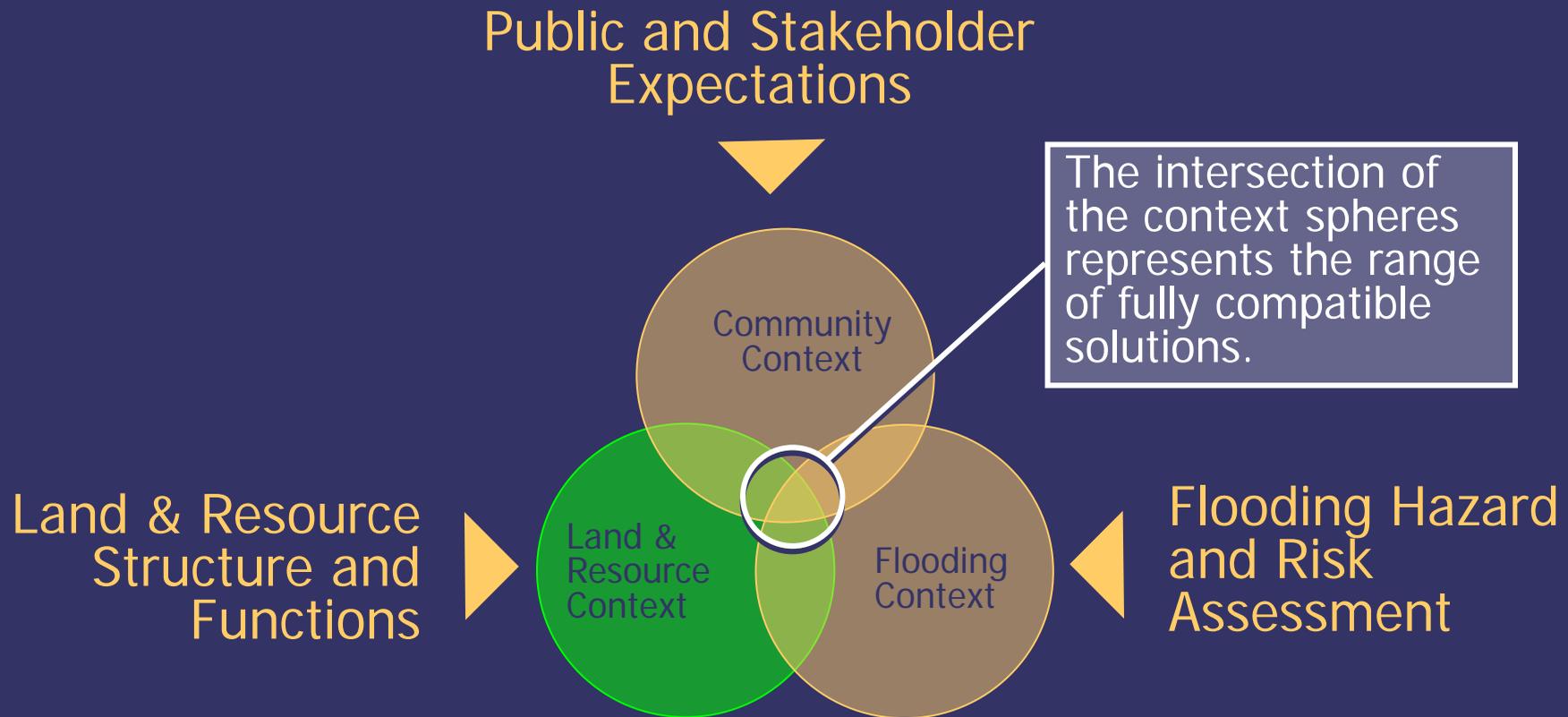


Watershed Characteristics

- Waterman Wash
- Mountains, Sonoran Desert and Agricultural
- Few Natural Drainage Features
- Shallow Sheet Flooding
- Ponding at RR / Maricopa 238
- Land Use
 - Large Lot Residential and Master Planned Developments
 - Transportation / Utility Corridors



Context Sensitive Flood Hazard Planning Model



Scenery, Recreation & Open Space Goals

- Preserve and enhance visual quality
- Support recreation and multi-use
- Assist with open space preservation



Flood Protection Methods

NONSTRUCTURAL



Upper New River, Tonto National Forest



Bethany Home Outfall Channel Reach C, City of Glendale



Old Cross Cut Channel, City of Phoenix



Old Cross Cut Channel, City of Phoenix

CHANNEL/LEVEES



DC Ranch, City of Scottsdale



Tempe Town Lake



Salt River at Phoenix International Airport



Laurel Area Conveyance Channel, City of Phoenix



East Maricopa Floodway Channel, Town of Gilbert



Bethany Home Outfall Channel, City of Glendale

STORAGE BASINS



Oak Park, City of Scottsdale



Kilwin Park, City of Tempe



East Maricopa Floodway Golf Course



Gasdalse Flood Retarding Structure, City of Tempe



New River Dam

UNDERGROUND PIPES

CONVEYANCE CHANNELS

DAMS



ADMP Schedule

Rainbow Valley Area Drainage Master Plan
 Contract FCD 2006C029

Schedule

	2008	2009				2010				2011	
TASK	Apr – Dec	Jan – Mar	Apr – Jun	Jul – Sep	Oct – Dec	Jan – Mar	Apr – Jun	Jul – Sep	Oct – Dec	Jan – Mar	Apr – Jun
Data Collection	■		■ *								
Alternatives Analysis			■			■ *	■				
Recommended Plan						■				■ *	■
Public and Stakeholder Involvement	■										

* Public Meeting



General Questions & Comments