

## WHO WE ARE

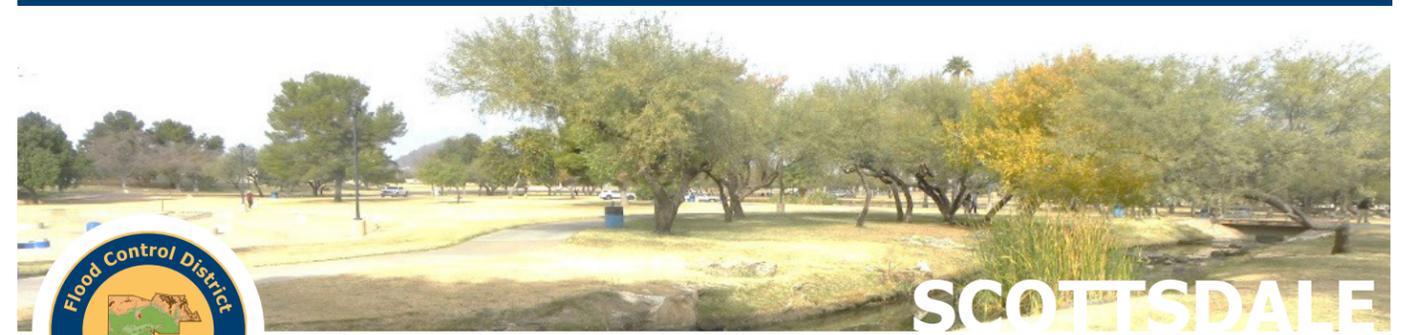
FCD was created in 1959 to reduce the risk of flooding to people and property. Flood control structural projects and programs that have occurred since the creation of the District provide ongoing opportunities for economic vitality, alternative water management and long-term benefits for the community and environment.

The District is a political subdivision of the State of Arizona and is governed by a Board of Directors who also serve as the Maricopa County Board of Supervisors. It is advised by the citizen Flood Control Advisory Board. As a special taxing district, FCD has authority to levy a secondary property tax on parcels within the county to fund flood control efforts. The District's jurisdiction encompasses more than 9,200 square miles. It has partnered on over 151 flood control structures and operates 397 ALERT Stations covering 11,820 square miles.

The District strives to stay ahead of development, which opens up continued opportunities for collaboration. Flood education and tools such as GIS and drone technology, Flo-2D modeling and online permitting help FCD continue to improve, protect and facilitate interaction with stakeholders and citizens.

## WHAT WE DO

- Develop 5-year Floodplain Management Plans, which set goals and actions to address the county's vulnerability
- Identify flood hazards through Studies
- Cost share with communities to build, maintain and operate flood control structures (dams, levees, basins, channels & storm drains)
- Issue Floodplain Use Permits and conduct inspection
- Provide flood related technical support to communities
- Oversee county-wide Flood Warning & Response System
- Implement water quality best management practices
- Educate public on flood safety, risk reduction and flood insurance



## COLLABORATION & PARTNERSHIPS

Historically, floods have caused millions of dollars worth of damage to homes, businesses, roads and farmland. Although considerable strides have been made in identifying flood hazards, building flood control structures and establishing programs and regulations, there is still work to be done. Flooding during more recent monsoon storms demonstrated that regional structures are still needed in areas to protect existing development.

In partnership with the City of Scottsdale, the Flood Control District (FCD) of Maricopa County reduces risk from flooding so property damage and loss of life is minimized, economic development is supported in a safe and responsible manner and stormwater is recognized as a resource for long-term benefit to the community and environment. Many of the completed structural flood control projects protecting the public also enhance the community as multi-use opportunities such as recreational features, trails and open spaces.



Indian Bend Wash - Storm Event

The City of Scottsdale conducts their own floodplain permitting. However, FCD provides other services for the City such as: area drainage studies, cost share on flood control projects, flood warning (ALERT) and educational outreach.

FCD continues to reduce risk through new structures (Capital Improvement Program), purchase of homes and floodproofing to help homeowners in floodprone areas (Floodprone Properties Assistance Program) and partially funding small/local projects through the Small Project Assistance Program (SPAP). Ongoing collaboration with citizens, municipalities, agencies and developers is essential to ensure that people and property remain safe during floods as the county continues to grow and responsible economic growth is supported.

## PARTNERSHIPS AT A GLANCE

### CAPITAL INVESTMENTS

Cost-sharing partnerships of approximately \$12 million in capital investments over the last 15 years for flood control structures benefiting area residents (excludes funding for hazard identification studies, maintenance, ALERT stations and other programs).

### SMALL PROJECT ASSISTANCE PROGRAM

7 Projects Completed ~ \$881,475  
SPAP Projects Protect 25 Structures

### CUSTOMER INQUIRIES (In the last 5 years)

807 Floodplain Determinations  
73 General Information  
1 Storm Event Calls  
11 Public Records Requests  
2 Community Permits Processed

### STEM CURRICULUM OUTREACH

STEM Curriculum distributed to 4 schools  
4 Visits to demonstrate the Interactive Flood Simulation Model to students



## COMPLETED STRUCTURES

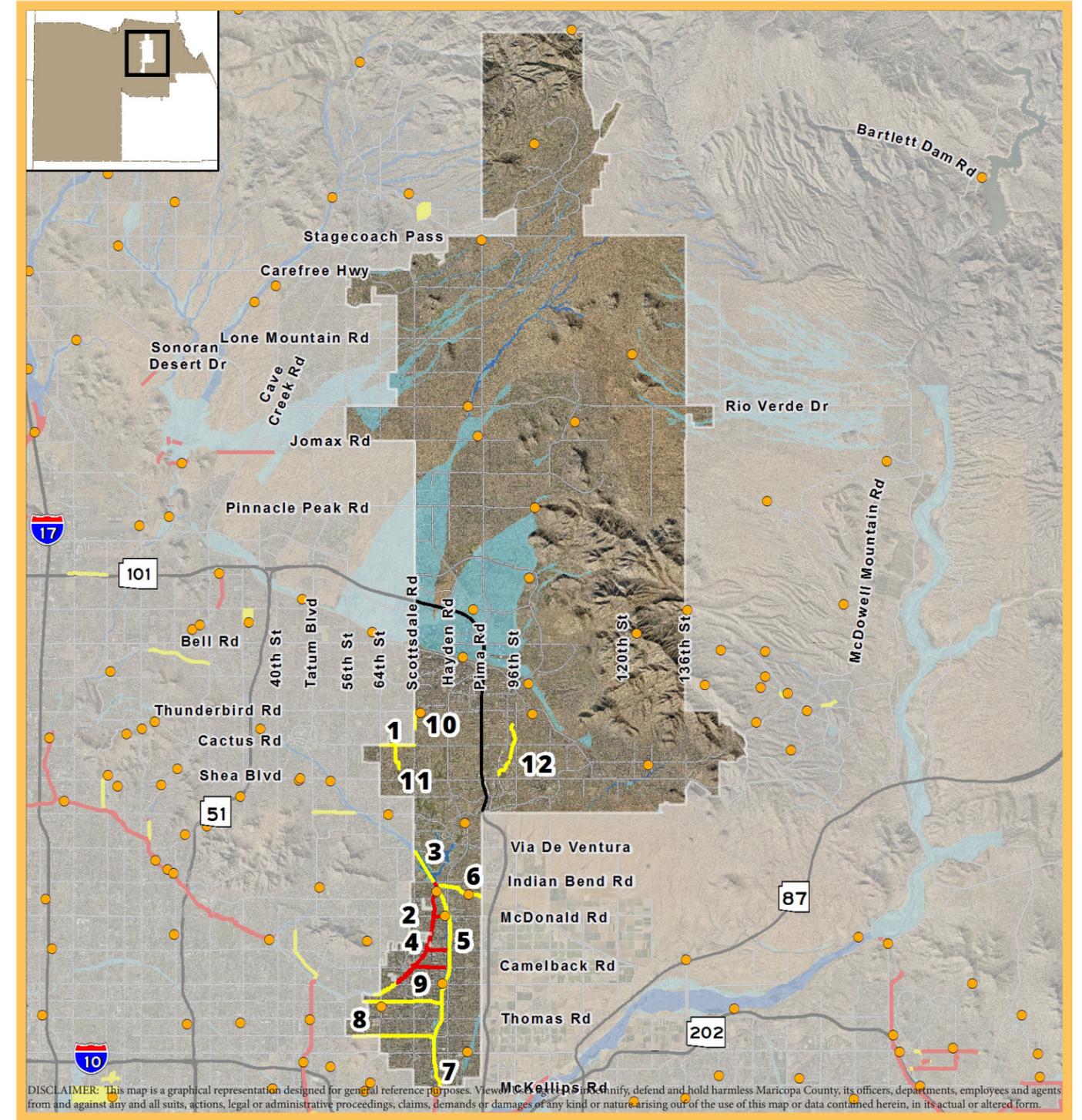
1. Cactus Road Flood Control System
2. Indian Bend Wash Side Channel
3. Indian Bend Wash
4. Indian Bend Wash Camelback, Chaparral and McDonald Drains
5. Indian Bend Wash Greenbelt
6. Indian Bend Wash Interceptor
7. Indian Bend Wash Outlet Channel
8. Oak Street Drain
9. Osborn Road Storm Drain
10. Scottsdale Road Corridor Drainage Improvement Storm Drains
11. Scottsdale Road Improvements Basin
12. Upper Camelback Wash Drainage Improvement Project Channel and Basins

## COMPLETED STUDIES

- Arizona Canal Floodplain Delineation Study (FDS)
- Desert Mountain Area Drainage Master Plan (ADMP)
- East Shea Corridor Area Drainage Master Study/Plan (ADMS/P)
- Granite Reef Wash Drainage Master Plan (DMP)
- Lower Indian Bend Wash ADMP
- Lower Indian Bend Wash ADMS/P
- Middle Indian Bend Wash ADMS
- Pinnacle Peak South ADMP
- Pinnacle Peak Wash Design Concept Report (DCR)
- Pinnacle Peak West ADMP
- Scottsdale ADMP - East & West
- Scottsdale Road DMP



Paradise Drive Storm Drain



Maricopa County OET, GIS Division, 8/24/2018

- ALERT Rain & Stream Gages
- FEMA Floodway
- Structure Maintained by FCD
- Structure Maintained by Other
- FEMA Floodplain
- FCD Pending Floodway
- FCD Pending Floodplain

## GENERAL FLOODPLAIN INFORMATION

19.2 sq-mi of floodplain in 184.5 sq-mi of City limits = ~ 10.3%  
Benefits from 26 ALERT gages in city & 14 stations within 5 mi