

Pima County Floodplain Management Plan

Action Plan Progress Report and Update April 2022

For reporting purposes rows containing discreet activities have been hidden and progress summarized under the parent activity.

AA = Annual Activity
 C = Complete, SC = Substantially Complete
 UC = Under Construction, IP = In Progress, ID = In Design/Development
 PP = Planned Project

Ref #	Activity	Implementation Progress*	Status
1.1	Current Preventative Activities		
1.1.a	CRS Participation	This year the District improved Pima County's rating of 5, to Class 3 effective April 1, 2022. Two new CRS activities were initiated this year as possible credit for these activities were added with the CRS Manual Addendum. They are Insurance Outreach and alignment of the CRS compliant Construction Certificate Management Procedure with those Administrative Procedures and Standard Operating Procedures already in place. Also initiated Planning Committee working sessions on Action Plan implementation of climate change, road closure warning systems, and watershed master planning activities. Maintaining staff expertise, a discreet action plan activity that is not reported separately herein is critical to this success. This includes Certified Floodplain Managers, project managers, inspectors hydrologists, engineers, landscape architects, environmental planners, outreach and information specialists.	AA
1.1.b	Code Enforcement	During the first quarter of 2022: 417 Floodplain Use Permits, 29 Riparian Habitat Mitigation Plans, 15 Entitlements, and 135 Drainage Complaints were processed resulting in 15 Letters of Compliance. FMD staff also participated in 10 interjurisdictional reviews.	AA
1.1.c	Drainage System Maintenance	The Action Plan included 17 discreet maintenance actions; 2 are annual activities, 3 are complete, 4 in progress and 8 planned. In addition to those projects maintenance was completed in the first quarter of 2022 at: Agua Caliente Park, Alamo Wash at Glen Street, Trico Bridge, El Rio Preserve and the Loop at Ajo and Irvington. An additional 15 JOC projects are in progress and over 30 planned. Adopt-a-Wash clean up events occurred or are in the planning stages at multiple locations with groups including the Santa Cruz Valley Heritage Alliance, United Way of Southern Arizona, REI, Rotary Club and Cub Scout Pack 211. Two discreet projects are included under this heading that are not physical maintenance but plans to direct maintenance activity, one for natural drainageway open space and one for improved drainageways. The former are to be written land management plans based upon site conditions and the latter standard operating procedures. The CRS Coordinator is reviewing the IMDs SOPs to determine additional needs. The District manages nearly 20,000 acres of open space in addition to improved drainageways. The first plan produced will be for Avra Valley and shall serve as a boilerplate for others. The draft outline has been completed and an intern hired to populate some of the chapters which are data dependent. "No Motor Vehicles" signs were installed at Big Wash in response to citizens complaints. OHV resistant fence and pedestrian gates were installed along the Santa Cruz River between Sunset and Orange Grove. Access controls are planned at Catalina Regional Park and Edgar Canyon. Vandalism of controls remains problematic along Silverbell. The two discreet projects identified in the Action Plan at Cienega Creek Preserve and Agua Verde are planned. An activity to develop a county-wide access control plan was also included and its status is planned. SOPs are under review to fill this gap.	AA

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1.1.e	Mapping	In addition to the new studies the District processed 44 Letters of Map Revisions since plan adoption. Information management staff have created an impervious surface map and created a web dashboard application for watershed analysis and FMP Action Plan progress reporting. Orthophotographic and Lidar updates are in progress.	AA
1.1.g	Regional Coordination	District staff participated in 4 regional watershed activities to promote uniform standards as follows: COT FMP Planning Committee; COT adoption of the District Standards for Stormwater Retention and Detention; 1 District Technical Policy (Tech-026: Regulation of Development within Flow Corridors.); the Oro Valley Drainage Standards Manual update.	AA
1.1.h	Create Intergovernmental Agreements	The Action Plan included two for Heritage Waters with the City of Tucson (COT) and for Bank Protection with the Tohono O'odham Nation that are in progress. Three additional IGA's not included were initiated for Water Harvesting Monitoring with the UA and for Development and Maintenance Responsibilities of Green Stormwater Infrastructure and the Brawley Wash with the COT. Combine with 1.1.g	AA
1.2	New Preventative Activities		
1.2.a	Conduct studies to identify diversions, alluvial fans, debris flows, local floodways and other geomorphic hazard areas	The Action Plan included 11 discreet activities under this heading; 2 are annual activities, 1 complete, 3 in progress and 5 planned. The 3 studies were underway during the reporting period are Debris Flows on Mt Lemmon by USGS, Carmack Wash and identifying agricultural diversions in Avra Valley. Combine with 1.1.a	AA
1.2.b	Flood hazard mapping	The Action Plan included 21 discreet mapping activities under this heading; 9 are complete, 7 in progress and 5 planned. Projects completed include the fairgrounds, South Tucson, Black Mountains and Alamo, Bronx, Christmas, Navajo and Wilson Washes in the City of Tucson, Sierrita Mountain Road, and Pistol Hill sheet flow areas. Studies in progress include RiskMap, Tortolita Fan, Black Wash, Rincon Foothills Unamed washes 8, 9, & 10, Wyoming/Dakota Washes, Sopori/SCR confluence, and Sabino Canyon. Planned studies include Tanque Verde/Rillito Confluence, Silvercroft, Roller Coaster, Twenty-Seven, and Black Washes. In addition to those listed in the Action Plan Finger Rock Wash, Forty Niner's Country Club Estates, Massingale, Midvale-Bronx, Unamed Watercourse #3, South Houghton, and Montana Vista studies were initiated. ombine with 1.2.a/1.1.a	AA
1.2.d	Update the Critical Basin map	Two discreet activities were included in the Action Plan; identifying existing development at risk, and basins wherein infrastructure is undersized. The District has proposed a methodology for defining and identifying cirtcal basins to the Planning Committee and will undertake this effort begining 2022.	IP
1.2.e	Groundwater monitoring	District staff is involved with a UA tracer study for Cienega Creek and Davidson Canyon groundwater and produces an annual report on levels at the Marana High Plains Recharge site.	AA

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1.2.g	Develop standards for site layout of large scale development in sheet flood areas	Although a discreet project scope has not been developed consideration to potential mitigation of sheet flood areas has come up during the Planning Committees discussion on revisiting the Critical Basin standards and definition. Further the District is pursuing a number of measures to require an increase from .5 inch to 1 inch of first flush retention to be distributed throughout proposed developments that may help mitigate sheet flooding.	PP
1.2.h	Develop methods to identify future climate scenarios and upper watershed conditions (e.g. rain on snow, post catastrophic fire, debris flows)	WSD staff is evaluating future rainfall curve numbers and is beginning to look at ways to assess future land cover. Combine with 1.2.a	IP
1.2.i	Develop criteria for site design and infrastructure at major watercourse confluence areas	A scope has not been developed nor working team established. Planning Committee members from the Tucson Mountain Association and Community Water Coalition have expressed interest in this activity and have led tours to existing and potential sites for use of compound channels. Several large scale developments along the Loop have led to related conversations. The District requires dedication of major watercourses and a 50' easement from top of bank along bank protected areas to facilitate flood control maintenance, recreation and habitat. While developers wish to pass tributaries underground along the river corridors the District has sought to keep them open and natural, although not always successfully. Criteria are needed to address and guide future conditions.	PP
1.2.j	Develop criteria to minimize encroachments in regulatory floodplains, erosion hazard areas and riparian habitat during entitlement and permitting processes	Technical Policy-024 clarifying avoidance requirements and Technical Policy-26 defining flow corridors were approved by the Board in 2021. Staff has begun to evaluate encroachment criteria for Pima Propers Flood Control Resource Areas in anticipation of an update.	SC

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2.1	Current Property Protection Activities		
2.1.a	Provide outreach and assistance on mitigation strategies to the community including obtaining flood insurance	The District continued to implement the approved Program for Public Information (PPI) including mailers, utility bill inserts, publications, kiosks, events, training, public meetings and media. As a result of this outreach during 2020, 2021 and the first quarter of 2022, District staff conducted 1,332 "front counter" customer service consultations with property owners. Furthermore, in alignment with the new creditable CRS Addendum activity, an insurance brochure was created and distributed.	AA
2.1.b	Implement Floodprone Land Acquisition Program	During the first quarter of 2022, 4 acquired residences were removed, with 8 more in progress.	AA
2.1.c	Identify and address maintenance needs of private infrastructure during the entitlement and permitting processes	During 2020, 2021 and the first quarter of 2022, the District recieved 711 complaints for private regulatory drainage systems, 197 required required enforcement action. A brochure was created to assist HOAs understand and meet their maintenance responsibilities and District staff have been assisting associations on a one-to-one basis. This includes providing original drainage designs and updates. However, no new standards have been developed for consideration at the entitlement phase of development.	AA
2.2	New Property Protection Activities		
2.2.a	Develop standards to address climate change concerns (e.g. Increase design flood elevation and channel freeboard requirements, consider fully vegetated and compound channels in design)	Criteria are still needed to address and guide future conditions. While staff has initiated studies to determine future rainfall conditons, mitigation has not yet been addressed.	PP
2.2.b	Identify areas of flooding problems related to existing development and identify property protection funding or technical assistance	The Action Plan included 7 discreet projects under this heading: 2 are annual activities, 2 complete, 3 in progress and 2 planned. Potential funding sources for assisting property owners directly have been explored by staff however a proposal has not been made, nor strategic commitment made to establish such a fund.	AA

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2.2.c	Conduct voluntary floodprone land acquisition program outreach to areas impacted by flooding	The Action Plan included 2 discreet activities: one land acquisition for management of the Pantano which is an annual or in progress activity related directly to CIP and maintenance needs, and the second, targetted FLAP outreach to floodways and flow corridors is planned. Staff reccomends that both be combined with their parent projects. A related message has been added to annual outreach sent to all floodplain property owners.	IP
2.2.d	Promote use of Green Infrastructure/Low Impact Development techniques during redevelopment	This is an annual regionwide activity. Prior to 2020, the District published a Green Infrastructure and Low Impact Development Manual (GI/LID) and updated retention and detention requirements to incorporate, and credit, site design techniques; including water harvesting, natural channel bottoms and avoidance. These standards are enforced with all new development and substantial improvements. Furthermore per the Pima County Comprehensive Plan, an Integrated Water Management Plan (IWMP) is required for rezoning cases that may have an impact on groundwater dependent habitat. Furthermore the Pima County Regulated Riparian Habitat (PCRRH) standards require avoidance and mitigation. Since approval of the plan 95 entitlement reviews have promoted use of GI/LID practices. Still our score is low as these measures are optional.	AA
2.2.e	Expand outreach to Homeowners and Neighborhood Associations about the need for and approaches to maintaining private infrastructure	A Maintenance Handbook for Homeowners Associations has been printed and is distributed to HOAs that contact the District to discuss maintenance issues. The need to maintain private drainage was also included in targeted outreach to those living in areas identified by the District as having increased flood or debris flow risk after the Bighorn Fire.	C
3.1	Current Natural Resource Protection Activities		
3.1.a	Enforce the Riparian Habitat Mitigation Standards during permitting and entitlement processes	Technical Policy-024 that clarifies avoidance policies, was approved by the Board of Supervisors in 2021. Staff reccomends this activity be combined with code enforcement.	AA
3.1.b	Use open space management plans for monitoring, maintaining and protecting the Drainage System and Preserves in collaboration with partners District uses O&M Manuals	There are nearly 15,000 acres of natural drainage system. Although a format for these plans has been established (see activity 1.1.c) a schedule for development of written plans has yet to be developed for individual properties or by watersheds as contemplated by this activity. One discreet project under this heading is montoring base flows. The District and it's partners in the Pima County Office of Sustainability and Conservation and at the Sonoran Institute monitor base flows of the Lower Santa Cruz River, Cienega Creek, Edgar and Buehman Canyon. Results are published in the Living River Report, Pima County Sustainable Action Plan for County Operations Annual Report Card. District staff have conducted site inspection and produced species and condiotns inventory reports.	AA

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3.1.c	Identify, acquire, preserve, restore and enhance the Drainage System and Preserves including riparian habitat and wildlife corridor areas	Since Plan approval the the District acquired 181.24 FLAP acres, bringing the total to 16,548.39 acres. There are 14,820 acres of Preserves and areas of the Drainage System that are natural. This includes 8 acres at Sparrow Patch and 1 acre at Arroyo Chico Park Ave Basin where the District enhanced lizard habitat by adding rubble and brush piles. These are constructed per specifications created in partnership with Dr. Phil Rosen of the University Arizona and other experts. Contract for Harris Environmental Rillito Creek herpetological salvage ahead of sediment relocation project. NRPR Ops site managers were provided an update on noxious weed management changes at Arroyo Chico Park Ave Basins, Paseo de las Iglesias, Bosque Basins at WBSR, and Swan Wetlands/Sparrow Patch. Lidar and othorphotographic imagery obtained and 30% design for El Corazon River restoration is complete based upon input from three stakeholder meetings. One discreet project under this heading is to support the Altar Valley Watershed Management Grant which is in progress. Combine with 3.1.b now a	AA
3.1.d	Invasive species management	The spatial extent is often treated multiple times. Invasive species management by removal and treatment is an annual activity as it applies to all construction, maintenance, and restoration activities within the District operated Drainage System and preserves. Furthermore the District partners with non-governmental organizations including Tucson Clean and Beautiful to conduct events at which volunteers and first responders remove invasive species. Removal is critical to restoration of native habitat which is less fire prone and therefore associated with less erosion, risk of debris laden flash floods, and healthy natural floodplain function. Completed invasive species treatment (herbicide application) at the District's West Branch Preserve, Bear Canyon Preserve, Agua Verde Preserve, La Cebadilla Preserve. We provided extra invasive species eradication support at Paseo de las Iglesias, Nodal Park/Loop, Historic Canoa Ranch, and Canoa Hills Trails. We also coordinated invasive treatment at five PC-DEQ closed landfills/transfer station sites, plus two PC-Attractions and Tourism sites. District staff also continue to pursue grant opportunities. Combine with 3.1.b	AA
3.1.e	Coordinate with water owners and entities on ground water recharge and effluent uses	Coordination is ongoing with stakeholders in 3 watersheds, including Lower Santa Cruz River at Marana High Plains and wastewater treatment facility, the Middle Santa Cruz River Heritage Waters project, and Avra Valley CAP Recharge facility.	AA
3.2	New Natural Resource Protection Activities		
3.2.a	Spatially rectify riparian classification maps	Since plan approval in April 2020 District staff approved revisions based upon better data at 319 sites. This process includes concurrence and updating the PCGIS PCRRH layer.	AA

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3.2.b	Refine, expand and implement District natural resource management plans including the Multi-Species Conservation Plan	Since plan adoption the only discreet project identified for Cienega Corridor Management Plan was completed. In addition, the District created an outline for a pilot open space management plan for the Brawley watershed and is assisting the natural Resources Parks and Recreation Department with development of the Avra Valley Resource Management Plan.	AA
3.2.c	Establish best management practices (BMP) for and identify utility operators in the Drainage System	The District has established a permit system for drainage system users. Staff recommends that the permitting portion of this activity be moved to annual activities, with number of permits as the metric, while establishment of BMPs remain as a new project. Project specific flip charts for noxious weed and emerging hydro-seed plant species created. Contract specific use of HydroSpere "plant diapers" were also initiated to reduce water use in establishment. Implementing a Landscaping JOC MA will allow us to choose from a small group of vetted preferred landscapers that we can quickly pull into a project.	IP
4.1	Current Emergency Response Activities		
4.1.a	Operate the flood recognition and warning system	During 2020 112 of streamflow gages and weather stations were operated by the District as part of the ALERT Flood Threat Recognition and Early Warning System. Combine with 4.1.c	AA
4.1.b	Coordinate with other Departments in development of Hazard Mitigation Plans, Emergency Operations Plan Flood Annexes, Flood Response Plans and Grant Applications	The District assists in PCOEM annual updates of the Inter-Jurisdictional Hazard Mitigation Plan, Emergency Operations Plan including Flood and Storm Incident Annex/Flood Response Plan and sought BRIC and PF-HMGP funds for levee augmentation, critical infrastructure protection and invasive species management. The CDO Levee and Finger Rock Wash culvert at Skyline Drive have been ranked the top requests in the state and have been submitted to ADEMA for programmatic and environmental reviews at the Federal level as required prior to award. During 2021 and the first quarter of 2022 the District has assisted PCOEM in updating HMP hazard exposure, staff capacity and authority assessments as well as identifying mitigation projects to be included in the forthcoming update. Updating the EOP-Flood Annex is planned.	AA
4.1.c	Coordinate with the Office of Emergency Management and sponsor annual events (e.g. exercises, drills and training)	During 2021 the District and PCOEM partnered to conduct a Pre-Monsoon exercise and the After Action Report provided by PCOEM met CRS class 4 pre-requisites. An exercise for 2022 is in the planning stages. Combine with 4.1.a	AA
4.1.d	Identify critical facilities exposed to or isolated by flooding and evaluate level of risk	A list of critical facilities within floodplains and inundation areas identifiable by GIS query was included in the CRS Rating Modification request. The District also coordinated with PCIT to produce hazard loss estimations including critical facilities to be included in the HMP update. Areas that may be isolated during floods but not within the floodplain have yet to be identified. A project to do so is included as activity 4.2.a below.	AA

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4.2	New Emergency Response Activities		
4.2.a	Develop a plan to enhance public safety where roads flood and/or create isolated areas (e.g. reporting, warning, signage, permanent closures, all-weather crossings, automated temporary closures)	Pima County Department of Transportation is to lead, District staff will be technical experts. Hiring underway for Smart Streets and Mobility. Need to create map of potentially isolated areas. Real time traffic routing application under development by PCDOT. PCDOT has provided road closure data which the District has evaluated for correlation to rainfall in order to determine if this information can be used to provide warning. The jury is still out.	PP
4.2.b	Adopt an All-Hazards Planning Strategy per the Approved Hazard Mitigation Plan (e.g. health, catastrophic fire, extreme weather)	DRAFT update is complete and out for public comment prior to finalization for BOS approval. Staff recommends this be moved to annual activities or reported as complete.	AA
4.2.c	Expand and update the District's flood threat recognition system and integrate it with warning system	This is a countywide activity. The only associated discreet project was coordination with the TON. District and PCOEM staff also have participated in response and exercises related to Menager's Dam within the Gu:vo District of the Tohono O'odham Nation. New gages were installed during the reporting period. These included gages in Massingale Basin, the isolated community of Ajo and in and downstream of the Bighorn fire burn scar. The latter includes a site in Catalina State Park on Southerland Wash, one in the top of Ventana Canyon, Thimble Peak in the National Forest, and Sanders Road Bridge in Marana. See 4.2.e for additional needs. Combine with 4.1.a	AA
4.2.c.2	Expand inundation mapping coverage for flood warning for use in flood warning system	Post Big Horn wildfire inundation areas were added to the existing Flood Threat Recognition (FTR) and Early Warning Dissemination (EWD) systems including pre-scripted messages and associated outreach campaign. This brings the total number of structures covered to 2,295. Associated discreet planned projects include Black Wash and Gibson Arroyo. Combine with 1.1.a	AA

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4.2.e	Increase pre-event technical assistance to the Office of Emergency Management and first responders including identifying all weather emergency response access routes	This is a countywide activity. The Pima County Office of Emergency Management (PCOEM) has requested that the District update the Emergency Operation Plan (EOP) and Flood Response Annex (FRP). This is expected to take place during 2022 when the HMP is out for public comment. The only associated discrete project was to utilize new streamflow gages to warn emergency services of road closures on Silverbell Road - Neither sites nor funding has been identified. Combine with 4.1.a	PP
4.2.f	Provide outreach and technical assistance to critical facility operators regarding development of flood response plans.	Neither a scope or project team has been established. Combine with 4.1.d	PP
5.1	Current Capital Program for Structural Projects		
5.1.a	Utilize property tax revenues to fund drainage improvements to protect existing development and seek additional funds when available	The plan included 12 discrete activities under this heading: 3 are complete, 3 in progress and 6 planned. In addition to the property tax budget, grants were pursued for invasive species management, levee augmentation, and critical infrastructure protection. The latter two were selected by the State and are currently under federal compliance review.	AA
5.1.b.3		Develop Santa Cruz River Management Plan - A major basin study for the LSCR is nearing	IP
5.1.c	Develop a 10-year plan for prioritizing the design and construction of capital projects	In 2021, 21 projects were included in the budget and 20 additional on the 10-year list. Rather than inclusion as an Annual Activity staff recommends this item be indicated as complete and removed.	AA
5.1.d	Design flood control improvements using a multi-function approach including infiltration, water quality, recreation and habitat enhancement	This year the District designed 20 projects using a multi-function approach. Staff suggests that this is a goal, not an action item, and should be moved to goals at the next update.	AA

<i>Ref #</i>	<i>Activity</i>	<i>Implementation Progress*</i>	<i>Status</i>
5.2	New Capital Projects		
5.2.a	Identify potential locations for Green Infrastructure/Low Impact Development projects	As part of efforts to meet the goals of the Sustainable Action Plan for County Operations (SAPCO) the District assisted in completion of a GI+Trees Potential Projects Map. 3 discreet projects which are all in progress or annual activities were identified in the Action Plan: Coordination with the Altar Valley Conservation Alliance, Loop enhancements, and COT 407 projects.	AA
5.2.b	Apply Green Infrastructure/Low Impact Development design principles in District projects	This year the District used GI/LID designs in all 21 Capital Improvement Projects listed above under Activity 5.1.a. Another itme that is more a goal than an activity, staff reccomends it be moved.	AA
5.2.c	Prohibit the use of levees and floodwalls except as necessary to protect existing development	Use of new levees or floodwalls to protect development is prohibited by PCC Section 16, the Floodplain and Riparian Habitat Management Ordinance. Change status from AA to C.	C
5.2.d	Consider Future Conditions including climate and land use changes in design	Modelling standards are in development to guide future designs. Qualified staff have been assigned to develop methods of assessing future conditions in hydrologic and hydraulic modeling in arid environments as most FEMA guidance is associated with sea level rise. Contract with Jennifer Duan of the University of Arizona to evaluate RFI Curves has been approved. Re-evaluation of critical basin standards will be based on this as per CRS WMP guidelines.	IP
5.2.e	Develop and implement alternative construction techniques and site designs to protect from flood hazards by mimicking natural conditions (e.g. compound channels, distributed retention)	PMs consider alternatives in project design, however no standard contract language, new policy or design guidelines have been created. However prior to plan adoption the District published the Design Guidelines for Green Infrastructure and Low Impact Development. Since plan adoption the District has completed two distributed detention projects utilizing LID/GI and beneficial use of stormwater designs located at: Seneca Park and Richey Basin. As of January 2022 two more are in design at Cherry Avenue Park and Parkview Park. The only discreet activity under this heading, developing an erosion mitigation plan using natural techniques is planned and staff recommends this activity be reworded to call for creation of a manual or best management practices such as a Technical Policy. Requiring these methods be used in permitting is creditable as higher standard and staff reccomends this be considered.	PP/IP
6.1	Current Outreach Activities		
6.1.a	Program for Public Information	This year the District initiated two new outreach activities each of which was coordinated with the targetted audience and messaging partners. They are on flood insurance and homeowner association drainage maintenance responsibilities.	AA

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6.1.b	Provide a system for the community to receive technical assistance or to address drainage concerns	During 2020, 2021 and the first quarter of 2022, 1,332 customers were assisted by PCRFCFCD staff and 1,566 complaints received.	AA
6.1.c	Coordinate outreach with local municipalities to promote consistent messages among the regions jurisdictions	District staff coordinated 4 interjurisdictional outreach projects with local municipalities including: a Monsoon Safety leaflet included in the City of Tucson Water bills, direct mailers to those Town of Marana residents living in areas protected by levees and those within post fire inundation areas in the Town of Oro Valley. A regionwide post Bighorn Fire "Floods Follow Fires" radio, television, social and print media campaign was conducted in cooperation with elected officials including Sheriff, the Tucson Association of Realtors and PCOEM to encourage those in the area to sign up for flood insurance and warning systems.	AA
6.1.d	Provide a regional federal map repository	An agreement for data maintenance is under negotiation with the City of Tucson and the advantages of doing so have been discussed with representatives of the other jurisdictions within Pima County in their role on the Flood Control District Advisory Committee and with the FMP Planning Committee. Combine with 1.1.g	AA
6.1.e	Provide map information services in unincorporated Pima County	During 2020, 2021 and the first quarter of 2022, 1,332 customers were assisted by PCRFCFCD staff. As the metric is duplicative staff recommends this item be combined with 2.1.a.	PP/IP

<u>Ref #</u>	<u>Activity</u>	<u>Implementation Progress*</u>	<u>Status</u>
6.2	New Outreach Activities		
6.2.a	Update outreach messages for new targets and audiences (e.g. critical facilities, private infrastructure, renters, riparian habitat and high stress index populations)	The Action Plan included 9 implementation activities as discreet projects. 2 are in development and 6 are planned. Although not included as discreet projects two new targetted outreach projects were initiated and completed since the FMP was approved on flood insurance and HOA drainage mainateannce. Staff recommends that this activity be collapsed for reporting purposes and moved to annual activities.	AA
6.2.b	Create on-line crowd source reporting platform	District staff have tested the capabilities and allowances of software to have a crowd sourced platform but have yet to implement it. This activity is scheduled for 2021. Crowd source methods was used in the Lower Santa Cruz Basin Study and managed by the Sonoran Institute under contract to the District.	ID
6.2.c	Provide regional local map repository	An agreement for data maintenance is under negotiation with the City of Tucson and the advantages of doing so have been dicussed with representatives of the other jurisdictions within Pima County in their role on the Flood Control District Advisory Committee and with the FMP Planning Committee. Combine with 1.1.g	IP
6.2.d	Establish message partnerships with community based organizations serving access & functional needs populations	Neither a scope nor project team has been identified. This activity is scheduled for 2021. Change date to 2023.	PP