



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7

100 NORTH CANYONS PARKWAY • LIVERMORE, CA 94551 • PHONE (925) 454-5000 • FAX (925) 454-5727

ORIGINATING SECTION: FLOOD PROTECTION
CONTACT: JOE SETO/CAROL MAHONEY

AGENDA DATE: August 16, 2017

ITEM NO. 14g

SUBJECT: Flood Protection Program 2016 Annual Report

SUMMARY:

Staff completed the Flood Protection Program 2016 Annual Report which can be found at the following link: <http://www.zone7water.com/publications-reports/reports-planning-documents/36-public/content/197-flood-control-program-annual-report>). A few of the highlights are listed below:

- Completed three emergency bank repairs totaling 320 linear feet; 3,500 feet of access road repair; retaining wall construction to support a slope above a multi-use trail; 2,500 linear feet of concrete lining repairs; slope stabilization to repair 120 feet of cracked bank; re-installation of two drain inlet structures and culverts; 280 feet of new V-ditch drainage; 1,000 feet of erosion fabric installation; and 6 soil bioengineering brush walls.
- A new webcam replacing an older one was installed at the Sunol Glen Elementary School to provide a better visual check of the Arroyo de la Laguna levels and flows, especially at night.
- Staff continued updating the Stream Management Master Plan (SMMP) using new modeling and proposing priority projects to address flood-prone areas, in the short term, while still implementing key ideas of the original SMMP.
- Contracted with the United States Geological Survey (USGS) in continuing the sediment study and adding a fourth gauge to the study which helps with tracing where sediment originates in the northern part of the watershed through Alamo Canal and South San Ramon Creek; this gauge augments data collected from the Arroyo Mocho and Arroyo las Positas watersheds.
- Zone 7 completed planning level studies of Medeiros Parkway (an SMMP project) biological resources, geomorphology, hydrology, and hydraulics to inform the project design and permitting efforts. Zone 7 also began engaging stakeholders in our project plans and additional outreach will continue in 2017.
- Zone 7 secured a five-year extension (2016 – 2020) of its Routine Maintenance Agreement (RMA) issued by the California Department of Fish and Wildlife (CDFW). This RMA specifies the allowable activities, work windows, mitigation measures, and reporting requirements for Zone 7's channel maintenance program.
- In addition, Zone 7 is seeking a multi-agency Stream Maintenance Permit (SMP) that would supersede the RMA in future years. In 2016, the consultant provided a document inventory and reviewed 10 years of Zone 7 maintenance records to determine what a typical maintenance year might entail.

FUNDING: Funding for this program is provided from Fund 200 – Flood Protection Operations Fund and Fund 210 – Flood Protection Development Impact Fee Fund.