

**2021 Progress Report to the 2015 Orange County & Orange County Fire Authority
Hazard Mitigation Plan (FEMA approval August 2016)**

2015 Plan Project Number	Action Item	Status
OCPW1	Santa Ana River Channel (Facility No. E01) Project	Ongoing- OCFCD, as the sole local sponsor for Prado Dam, continues work to acquire lands, easements, rights-of-way, etc. to enable construction of the Mainstem Project. Work on the Design Documentation Report phase for Santiago Creek (part of the original authorized project) resumed in late 2020. Dredging of the Santa Ana River near the ocean outlet is planned for the future.
OCPW2	East Garden Grove- Wintersburg Channel (Facility No. C05) Project	Ongoing- Six projects within the 7-Year Flood Control Capital Improvement Plan are undergoing various stages of study or design. These reaches were part of a major feasibility study- the Westminster Watershed Study, completed by the partnership of OCFCD/County and USACE, in July 2020 with a Chief’s Report. The recommended federal project (WEGG) was authorized in December 2020 and includes reaches of the East Garden Grove Wintersburg Channel.
OCPW3	San Juan Creek Channel (Facility No. L01) Project, Lower Reach	Ongoing- Three Capital Improvement Projects were completed in 2019 that included Phases 4, 5, & 6, totaling 8,200 LF of levee protection. An ongoing study to determine ultimate facility improvements that includes the entire system is in progress.
OCPW5	Westminster Channel (Facility No. C04) Project, Lower Reach	Ongoing- The Westminster Watershed Study, with the partnership of OCFCD/County and USACE, was completed in July 2020 with a Chief’s Report. The recommended federal project (WEEGG) was authorized in December 2020 and includes reaches of the Westminster Channel.
OCPW6	Santa Ana-Delhi Channel (Facility No. F01) Project, Lower Reach	Ongoing- The lower reach including the bridge to Mesa Drive is in preliminary design that includes geotechnical investigation, and work with regulatory agencies and right-of-way acquisition from many stakeholders including a municipal golf course.
OCPW7	Oceanview Channel (Facility No. C06) Project	Ongoing- The Westminster Watershed Study, with the partnership of OCFCD/County and USACE, was completed in July 2020 with a Chief’s Report. The recommended federal project (WEEGG) was authorized in December 2020 and includes reaches of Oceanview Channel. USACE complete repairs and minor improvements to restore concrete lining to one reach. OCPW has an ongoing project as part of the OCTA I-405 Fwy widening project.

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OCPW9	Lane Channel (Facility No. F08) Project	Ongoing- The reach from Jamboree to Main Street was restored to as-built conditions. Improvements to other reaches are planned for future studies.
OCPW10	Carbon Creek Channel (Facility No. B01) Project	Ongoing- A complex system-wide facility study is nearing completion to determine needed ultimate improvements. Recommended concepts will be applied to project reaches from upstream of Gilbert Street to Euclid Street and other future project reaches. The study should be completed by the end of 2021.
OCPW12	Fullerton Creek Channel (Facility No. A03) Project	Ongoing- The reach from Western Avenue to downstream of Beach Blvd was completed in 2019. The reach from Beach Blvd. to I-5 Freeway is under construction, with expected completion in summer 2021.
OCPW15	Bolsa Chica Channel (Facility No. C02) Project	Ongoing- Portions of the channel between upstream of the SR 22/I-405 Freeways to downstream of Katella Avenue (approximately 0.25 mile of channel) are slated for maintenance repair projects. Work consists of major repair and/or replacement of rock and earthen slopes.
OCPW16	Peters Canyon Channel (Facility No. F06) Project	The City of Tustin constructed the reach from Warner Ave. to Edinger Ave, and the project was completed in 2020. Another project for F06, from confluence with San Diego Creek to upstream of Barranca, is currently included in the CIP.
OCSD18	Dam Inundation Mapping and Emergency Action Plans	Ongoing- Dam Inundation Studies were prepared and approved by CA Department of Safety of Dams for ten (10) OCFCD dams where all now have a downstream hazard classification of “Extremely High”. One other study is in was submitted and approved for a downstream hazard classification of “Low” and does not require an EAP. Draft Emergency Action Plans (EAPs) were prepared for all OCFCD dams having classifications of “Extreme High Hazard” and have been submitted to CalOES for review. The Emergency Action Plan for Villa Park Dam was approved July 2021.