

floodSAFE Yolo 2.0

Mission: The floodSAFE Yolo 2.0 Program (“FSY 2.0”) will minimize the risk from flooding in rural areas of Western Yolo County to the maximum extent possible. FSY 2.0 will focus upon areas that are not currently addressed by existing flood control programs managed by other entities.

September 18, 2019
FloodSAFE Yolo 2.0 Projects

<i>Project</i>	<i>Location</i>	<i>Responsible Entity</i>	<i>Issue</i>	<i>Solution</i>	<i>Approximate Cost</i>	<i>Status</i>
Madison Community Flood Risk Reduction	Madison Community, including upgradient and downgradient locations	Madison CSD, Yolo County, YCFC&WCD, MERCSA, FSY 2.0, & Caltrans	Low-lying community area that frequently floods with minor storm events and lacks adequate drainage features	Assess causes and implement solutions as rapidly as possible. Immediate actions include clearing of Madison Drain and nearby sloughs; appropriate routing of flows; repair/replace culverts; consider berms in specific locations	\$500,000 to \$3M	Initial vegetation removal in Madison Drain (Sept 2019) Caltrans improvements to collection and routing on Hwy 16 (south side) (Sept 2019) Planned MERCSA vegetation removal in Cottonwood Slough (Sept/Oct 2019) Flood Risk Reduction Study by Yolo County –

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						<p>results expected Oct 2019</p> <p>Planned rehab of Yolo County culverts in multiple locations Oct 2019</p> <p>Public Outreach with Madison and responsible agencies Oct 2019</p> <p>Potential berm installation Oct 2019</p>
Madison Community	Madison Community	Yolo County OES and FSY 2.0	Emergency preparedness for rapidly rising flood waters	Stage Flood Barriers and Train People on Deployment	\$10,000	<p>New devices purchased by Yolo County OES.</p> <p>Planned staging and training in Fall 2019.</p>

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Rolling Acres Region	Airport Slough in the area east of County Airport	Local property owners Limited responsibility by County and District	Vegetation growth in natural drainage channels; lack of maintenance of nearby ditches; potentially issues with slough overtopping	Vegetation management of drainage channels and clearing of sloughs by residents Consideration of berms/levees to divert flood flows	Unknown at this time	Responses to community letters by Yolo County Additional outreach planned to support residents with planning and development of self-guided options
Guinda			Natural storm runoff from hillside that has no proper outlet, and grading changes conducted by property owners	Detention basin(s) or Effluent Pipeline to Creek		
Yolo			CCSB slowing outlet flows causing flows to overtop levees	Raise levees and dredge the creek		
City of Winters	North development	Developer; City of Winters; Yolo County	Potential impact to rural area drainages north of development	Coordination with City of Winters	N/A	Resolved – City has not authorized any development with drainage outside of Putah Creek discharge

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DQU and New Indian Health Services Facility			Low-lying area with waters draining onto property; Chickahominy Slough does not drain properly			
Highway 16 between Madison and Esparto		Caltrans and Yolo County	Road closures with no proper re-routing	Raise Highway 16; detention basin(s); proper attenuation of flows in existing nearby channels	\$35k for study Solution costs not determined at this time	Engineering Study proposal accepted and in funding/kick-off stage as of Sept 2019
County Road 95 Airport			Stormwater flooding	Detention basins		
Huff's Corner	Cache Creek near Hwy 5	Yolo County, DWR, and FSY 2.0	Erosion and Overtopping during high water events	Rehab and repair the levee as well as new channel alignment	\$1M	Proposals for design accepted – funding from DWR and Yolo County in progress. Anticipated repairs in 2020 or 2021 at the latest
Six-Pac near Winters			Stormwater flooding			
Expand flood monitoring system (SCADA)	Various Locations	YCFCWCD & FSY 2.0	Spotty information on flood conditions throughout the district	Purchase and install new sensory equipment and tie into SCADA system – utilize for real time system	\$80k	Estimates underway and considering purchase & installations in Oct 2019

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				operation and flood fighting during events		
Graveling access roads for real time ingress-egress during flood events			Roads are inaccessible during high water events and trap people as well as prevent access to flood fight crews			
Flow station at Salisbury Spill and connect to NWS	Salisbury Spill	YCFCWCD & Yolo Cpounty	There is nothing to measure flow at this location	Install level measurement device and tie into SCADA and NWS system	\$20k	Yolo County has approved cost. YCFCWCD is preparing final design and cost estimate. Anticipated installation in Oct 2019.
Create detention, retention, and/or infiltration at strategic locations	Various	Various	District needs upstream attenuation and downstream storage during high flow events			Conceptual locations and cost assessments are in progress

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Small-scale storage in Western Foothills			Create attenuation as well as winter storage in upstream locations			
Traffic Control Coordination						
On-Farm Temporary Storage			Passive drainage on nearly every property exacerbates flooding conditions			

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