

## Appendix A Planning Process

### A.1 Sacramento County Step 1: Organize to Prepare a Plan

#### (a). *Involvement of Community Land Use and Comprehensive Planning*

In addition to attending meetings, providing draft text for inclusion in the plan, reviewing plan documents, and coordinating input from other departments and stakeholders, Sacramento County and City of Sacramento planners also provided information on development since the last plan, mapping and details on future development areas, input on current mitigation capabilities, coordination with other planning mechanisms, and input on capabilities including in-progress modifications to various County plans, ordinances, and associated documents specific to Sacramento County’s floodplain management program.

#### Sacramento County Planners

- Sacramento County Office of Planning and Environmental Review (John Lundgren, Senior Planner and Todd Taylor, Associate Planner)
- City of Sacramento Community Development Department, Planning Division (Remi Mendoza, Associated Planner)

Other planners to the process included Jeanine Foster and Chris Morrison, professional planners with Foster Morrison, the consultant for this LHMP Update, as well as other planners and staff from the incorporated communities and other participating jurisdictions involved in future land use development decisions for the Sacramento County Planning Area.

#### (b). *Staff of County Departments on HMPC with Expertise on CRS Step 7 Activities*

In order to promote the integration of CRS into this planning process, the representatives from the Sacramento County and the City of Sacramento were selected based on their areas of expertise relative to the CRS mitigation categories as detailed in Table A-1.

*Table A-1 Sacramento County Planning Area Staff Capability with Six Mitigation Categories*

Jurisdiction/Departments	Prevention	Property Protection	Natural Resource Protection	Emergency Services	Structural Flood Control Projects	Public Information	Other
<b>Sacramento County</b>							
Department of Water Resources/Flood Management and Engineering, George Booth	X	X	X		X	X	X
Emergency Services, Mary Jo Flynn-Nevins, Interim Chief of Emergency Services	X	X	X	X	X	X	X

Jurisdiction/Departments	Prevention	Property Protection	Natural Resource Protection	Emergency Services	Structural Flood Control Projects	Public Information	Other
Office of Planning and Environmental Review, John Lundgren, Senior Planner	X	X	X	X		X	X
<b>City of Sacramento</b>							
Department of Utilities, Rosa Millino, Senior Engineer	X	X	X		X	X	X
City, Office of Emergency Management, Daniel Bowers	X	X	X	X	X	X	X
Community Development Department Planning Division, Remi Mendoza, Associate Planner	X	X	X		X	X	X

## List of Hazard Mitigation Planning Committee Invitees

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City of Elk Grove	Jeff Werner	jwerner@elkgrovecity.org	Amittoji Thandi	athandi@elkgrovecity.org		
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City of Rancho Cordova	Dalia Fadl	dfadl@cityofranhocordova.org	Albert Stricker	astricker@cityofranhocordova.org	Cyrus Abhar	cabhar@cityofranhocordova.org
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Radio Communications	Paul Wilcox	Wilcoxp@saccounty.net				
Sac County Agriculture	Diane Acosta	acostad@saccounty.net	Chrisandra Flores	florescj@saccounty.net		
Health and Human Services	Karen Olson	OlsonK@SacCounty.net				
Fleet Enterprises	Keith Leech	leechk@saccounty.net				
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RD 554	Gil Labrie	GLabrie@dccengineering.net			Daniel Wilson	
RD 556	Gil Labrie					
RD 1002	Gil Labrie					
BALMD	Gil Labrie					
RD 563	Chris Neudeck					
RD 1601	Chris Neudeck		Jacob Bejarano		David Brown	257-4241
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RD 3	Gil Cosio	cosio@mbkengineers.com	Ken Pucci	776-1945		

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Am Riv Flood Control	Tim Kerr	tkerr@arfcd.org				
RD 1000	Kevin King	kking@rd1000.org				
RD 369 Locke	Clarence Chu	776-1661				
RD 813	Thomas Herzog					
RD 349	Frederick Wheeler	775-1516				
RD 744	Russ Van Loben Sels	(916)439-3290				
RD 746	Hood					
CA DWR MA9						
<b>Water Districts</b>						
Elk Grove Water Dist	Mark Madison	MMadison@egwd.org	Travis Franklin	tfranklin@egwd.org		
California American Water	Brian McCord	Brian.McCord@amwater.com				
City of Sacramento Water						
Fruitridge Vista Water		916-443-2607	Danilo Sanchez	des@cpuc.ca.gov		
Golden State Water		800-999-4033	Karla Tejada	karla.tejada@gswater.com	Brandyn Handcocks	brandyn.hancocks@gswater.com
Sac Suburban Water	Mike Huot	mhuot@sswd.org	916-972-7171			
Del Paso Manor Water		916-487-0419	Debra Deswick	debradeswick@sbcglobal.net		
Carmichael Water	Chris Nelson	chris@carmichaelwd.org	Laura Strand	laura@carmichaelwd.org		
Fair Oaks Water		customerservice@fowd.com	Michael Misenboym	mmisenboym@fowd.com		
Citrus Heights Water	Rebecca Scott	rscott@chwd.org		custserv@chwd.org		

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San Juan Water						
City of Folsom Water						
Rio Linda/Elverta Water						
Natomas Water District		nwadmin@natomaswater.com				
SCWA (see above County)						
Rancho Murieta CSD	Paul Siebensohn	psiebensohn@ranchomurieta.csd.com				
Regional Water Authority						
<b>School Districts</b>						
Los Rios Community College Dist	Julia Coleman	colemaj2@losrios.edu	Anita Singh	singha@losrios.edu	Debbie Turner	turnerd@losrios.edu
Twin Rivers Unified School Dist		www.twinriversusd.org	Greg Rash	Greg.Rash@twinriversusd.org		
Center USD		www.centerusd.org	Mike Jordan	mikejordan@centerusd12.ca.us		
San Juan USD		www.sanjuan.edu				
Sacramento City USD		www.scusd.edu		miamah-reed@scusd.edu		Victoria-Flores@scusd.edu
Arcohe USD		www.arcohe.net	Lori Salfen	salfen@arcohe.net		
Elk Grove USD		www.egusd.net				
Elverta USD		www.ejesd.net	Elizabeth Golchert			
Folsom Cordova USD		www.fcusd.org				

Jurisdiction	Name	Email	Name	Email	Name	Email
Galt Joint Elementary SD		http://gjusesd-ca.schoolloop.com				
Galt Join HS SD		www.ghsd.us				
Natomas USD		www.natomasunified.org				
Rio Delta USD		http://rdusd-ca.schoolloop.com				
Robla School District		www.robla.k12.ca.us				
Sacramento County Office of Ed		www.scoe.net		lorrock@scoe.net		nwoodsandrews@scoe.net
Cal State Sacramento	Bob Hitomi	hitomib@csus.edu	Kirtland Stout	kirrland@csus.edu		
<b>Park Districts – only if they need a grant</b>						
Fair Oaks Park		www.forpd.org	Kris Borders	kborders@fairoakspark.org		
Rio Linda Park		www.rleparks.com				
Orangevale Park						
Mission Oaks Park		www.morpd.com				
Southgate Park		www.southgaterecandpark.net			Juanita Cano	jcano@southgaterecandpark.net
Arcade Creek Rec and Park			Stephen Fraher	sfraher@acrpdp.com		
<b>Fire Districts - only if they need a grant <a href="https://www.srfec.ca.gov/SCFCA/departments.htm">https://www.srfec.ca.gov/SCFCA/departments.htm</a></b>						
Courtland FD		www.courtlandfire.com				
Delta FD		www.riverdeltafire.com				
Wilton FD		www.wilton-fire.org				
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Sacramento City FD		City of Sacramento				
Isleton FD		City of Isleton				

Jurisdiction	Name	Email	Name	Email	Name	Email
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Elk Grove FD		www.egtfire.org				
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Galt FD		City of Galt				
Herold FD		www.heraldfire.com				
Folsom FD						
<b>External Agencies</b>						
NOAA/NW S/ River Forecast	Michelle Mead	michelle.mead@noaa.gov	Alan Haynes	alan.haynes@noaa.gov		
CA OES	Jose Lara	jose.lara@caloes.ca.gov	Megan Walton	megan.walton@caloes.ca.gov	Victoria LaMar-Haas	victoria.lamarhaas@caloes.ca.gov
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Sutter County	Zach Hamill	zhamill@co.sutter.ca.us				
City of Roseville	Brian Walker	WalkerBrian@Roseville.ca.us				
Caltrans	Bruno Costa	Bruno.Costa@dot.ca.gov	Will Schilling	Will.Schilling@dot.ca.gov		
US Army Corps of Engineers	Hunter Merritt	Hunter.Merritt@usace.army.mil				
Central Valley Flood Protection	Connie Perkins	Constance.PerkinsGutowsky@cvflood.ca.gov				

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FBI		dfdewaal@fbi.gov				
Mosquito-Vector		gwgoodman@fightthete.net				
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KSN	Liz Ramos	eramos@ksninc.com				
MBK	Tina Anderson	anderson@mbkengineers.com				
Save the American River Association	Betsy Weiland	flweiland@yahoo.com				
Sacramento Area Creeks Council	Alta Tura	saccreeks@gmail.com				
Regional Center for Volunteerism	Holly Brown	hbrown@communitylinkcr.org	Mika Guevarra	mguevarra@communitylinkcr.org		
<b>Law Enforcement</b>						
County Sheriff	Kim Love	klove@sacsheriff.com	Scott Jones	sheriff@sacsheriff.com	Mark Cherry	<a href="mailto:mcherry@sacsheriff.com">mcherry@sacsheriff.com</a>
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## Hazard Mitigation Planning Committee Participant List

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Angelina Wu		City of Sacramento
Anitra Pawley	Program Manager	In-Delta Investments, Division of Multibenefits, CA DWR
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Name/Title	Title	Department/Agency/ Affiliation
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Brenda Bongiorno		Sacramento County Public Works
Brenna Howell		Howell Consulting
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Clair Davis	Floodplain and CRS Administrator	City of Fort Worth TX
Connie Perkins	Senior Engineer	Central Valley Flood Protection Board and City of Sacramento Resident
Connie Perkins	Senior Engineer	City of Sacramento Resident/ State CRS Coordinator
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
Dana Booth	Stormwater Quality Program Manager	Sacramento County
Daniel Bowers	Director of Emergency Management	City of Sacramento OEM
David Bolen		Sacramento County DWR
David Bolland		Bolland and Associates; Dave_bolland@outlook.com
Dawn Pimentel		Sacramento County DWR
Debbie Turner		Los Rios Community College District
Derek DeWaal		FBI; dfdewaal@fbi.gov
Derek Larson	Principal	Larsen Wurzel & Associates; derek@larsenwurzel.com
Dirk Medema		City of Citrus Heights
Emily Pappalardo		MBK Engineers

Name/Title	Title	Department/Agency/ Affiliation
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Forrest Williams		SCWA
George Booth		Sacramento County DWR/Sacramento Water Agency
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Gilbert Mendes		Home Owner Franklin Pond Area Elk Grove
Glen Rickelton		Sacramento County Department of Airports
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## Kickoff Meeting

### Kickoff Meeting Invite to Planning Team, Stakeholders, and Public

**From:** Jeanine Foster

**Sent:** Tuesday, August 25, 2020 11:14 AM

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**Cc:** Chris Morrison; Brenna Howell; Gomez. Luisa; Trung Trinh; Redfern. Mike; Burns, Chelsie; Travis Franklin; Flynn. MaryJo; Campbell. Jason; Mike Selling; Lofton. Jason; [mgstein1@gmail.com](mailto:mgstein1@gmail.com); Saucier. Melanie; Christopher Jordan; Elizabeth A. Ramos; Bill Darsie; [robbiewerner@gmail.com](mailto:robbiewerner@gmail.com); Amittoj Thandi; Sanchez, Danilo; [raularch2005@gmail.com](mailto:raularch2005@gmail.com); Paul Phillely; Honey Walters; Matt Hertel; Paul Siebensohn; [upadhyayv@sacsewer.com](mailto:upadhyayv@sacsewer.com); [crawfordp@sacsewer.com](mailto:crawfordp@sacsewer.com); [Jhudson@elkgrovepd.org](mailto:Jhudson@elkgrovepd.org);  
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**Subject:** Sacramento County LHMP Update: HMPC Kickoff Meeting

**When:** Tuesday, September 15, 2020 1:30 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Virtual Zoom Meeting

All,

On behalf of Sacramento County, you are being invited to a Zoom Meeting of the Hazard Mitigation Planning Committee (HMPC) to kick off the Sacramento County 2021 Local Hazard Mitigation Plan (LHMP) Update project. See project details in attached invite. Zoom meeting information is provided below.

Topic: Sacramento County LHMP Update: Kickoff Meeting

Time: Sep 15, 2020 01:30 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/83207958742?pwd=TVJoRHNuU2hkWis5SHhNZDZnK25Udz09>

Meeting ID: 832 0795 8742

Passcode: 695737

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+1 312 626 6799 US (Chicago)

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Passcode: 695737

Find your local number: <https://us02web.zoom.us/j/83207958742?pwd=TVJoRHNuU2hkWis5SHhNZDZnK25Udz09>

## Kickoff Meeting Agenda

# PLACER COUNTY LOCAL HAZARD MITIGATION PLAN (LHMP) UPDATE HMPC (KICKOFF) MEETING #1 September 15, 2020

1. Introductions
2. Hazard Mitigation & the Disaster Mitigation Act Planning Requirements
3. The National Flood Insurance Program (NFIP) Community Rating System (CRS)
4. The Role of the Hazard Mitigation Planning Committee (HMPC)
5. Planning for Public Input
6. Coordinating with other Agencies
7. Hazard Identification
8. Schedule
9. Data Needs
10. Questions and Answers

## Kickoff Meeting Sign-in Sheets

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/Sacramento Water Agency
Amittoj Thandi	Engineering Services Support Manager	City of Elk Grove
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Daniel Bowers	Director of Emergency Management	City of Sacramento OEM
Jeanelle Gottlob	Emergency Manager	City of Sacramento
Vyoini Upadhyay	Associate Civil Engineer	Regional Sanitation District/ SASD Part of Sanitation Districts Agency
Scott Fujikawa	Senior Civil Engineer	Sacramento County Department of Airports
Todd Taylor	Associate Planner	Sacramento County Planning
Megan Floyd	Environmental Specialist	Sacramento County EMD
Dana Booth	Stormwater Quality Program Manager	Sacramento County
Silvia Reynoso	Water Resources Engineer	Cal DWR
Rod Rodriguez	Emergency Services Coordinator	Placer County OES
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
June Cowles		City of Rancho Cordova Planning Department
Ryan Neves	Senior Engineer	City of Folsom
Julie Lim	Sr. Staff Assistant	City of Sacramento Department of Utilities
John Lundgren	Sr. Planner	Sacramento County Planning Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Mike Snelling	Director of Public Works	City of Galt
Lauren Groves		City of Sacramento OEM
Tom Pasterski		SCWA
Paul Kent	Emergency Manager	City of Elk Grove
Lisa Deklinski		City of Sacramento Department of Utilities
Forrest Williams		SCWA
Travis Franklin		Elk Grove Water District
Jim Gillum		Resident/Gillum Consulting, Inc.
Heidi Hampton		Sacramento Sheriff's Office RMAC
Neal Joyce		City of Sacramento
Remi Mendoza		City of Sacramento Community Development Department
M.T. Lorenzo-Lee		Sacramento County Resident
Greta Soos	Assistant Planner	City of Sacramento Planning Department

Name/Title	Title	Department/Agency/ Affiliation
Mary Jo Flynn-Nevins		Sacramento County OES
Michael Redfern		Sacramento Area Sewer District
Shayan Rehman		Sacramento County DWR
Jeff Werner		City of Elk Grove
Alan Haynes		NOAA/NWS/California Nevada River Forecast Center
Paul Siebensohn	Director of Field Operations	Rancho Murieta CSD
Emily Pappalardo		MBK Engineers
David Bolen		Sacramento County DWR
Shelly Jiang	Climate Change Coordinator	Sacramento Metropolitan Air Quality Management District
Lupe Rodriguez		Sacramento County Department of Transportation
Matt Hertel	Action Long Range Planning Manager	City of Sacramento
Liz Ramos		Kjeldsen, Sinnock & Neudeck, Inc
Mark Barcellos		Sacramento County Environmental Management Department
Piper Crawford		Regional Sanitation District
Tom Trexler		MBK Engineers
Steve White		Sacramento County Department of Transportation
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture
Gilbert Mendes		Home Owner Franklin Pond Area Elk Grove
Brenda Bongiorno		Sacramento County Public Works
Valeri Mihanovich	Director	Public/The Regional Center for Volunteerism- Hanson Sacramento AND Sacramento Region Voluntary Organizations Active in Disaster
Melanie Saucier		SAFCA
Heidi Huber		Sacramento County DWR
Melissa Wright	Senior Civil Engineer	Sacramento County Department of Transportation
Steve Nebozuk		Sacramento Regional County Sanitation District/ Sacramento Area Sewer District
Tina Anderson	Project Manager	MBK Engineers
Tim Kerr		American River Flood Control District
Brian Walker	Sr Engineer/Floodplain Manager	City of Roseville
Brian McCord	Director Operational Risk Management	California American Water

Name/Title	Title	Department/Agency/ Affiliation
Matthew Renfro	CivicSpark Fellow	Sacramento Metropolitan Air Quality Management District
Dawn Pimentel		Sacramento County DWR
Debbie Turner		Los Rios Community College District
Bill Forrest		City of Galt Public Works
Juanita Cano		Southgate Recreation and Park District
Kerry Schmitz		Sacramento County Water Agency
Rosa Millino	Senior Engineer	City of Sacramento
Keith Leech		Sacramento County DGS Fleet Service
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Hunter Merritt	Public Involvement Specialist	USACE SPK Sacramento District
Bill Darsie		KSN Engineers, RD 2111,1601, 563
Glen Rickelton		Sacramento County Department of Airports
Connie Perkins	Senior Engineer	Central Valley Flood Protection Board and City of Sacramento Resident
Clair Davis	Floodplain and CRS Administrator	City of Fort Worth TX
Alexander Barba		Sacramento County DWR
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting
Alan Vail	Managing Partner	Resident/VCS Consulting
Troy Bair	Deputy Fire Chief - Operations	Consumnes CSD Fire Department
Matt Demarco	Administrative Battalion Chief	Consumnes CSD Fire Department
Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers

## Risk Assessment Meeting

### Risk Assessment Meeting Invite to Planning Team, Stakeholders, and Public

**From:** Jeanine Foster <jeanine.foster@fostermorrison.com>

**Sent:** Monday, February 1, 2021 9:29 AM

**To:** Jeanine Foster; dmedema@citrusheights.net; CityClerk@citrusheights.net; citymanager@citrusheights.net; jwerner@elkgrovecity.org; athandi@elkgrovecity.org; jhudson@elkgrovecity.org; pkent@elkgrovecity.org; cbergson@cityofisleton.com; yvonne.zepeda@cityofisleton.com; publicworks@cityofisleton.com; dfadl@cityofranchocordova.org; astricker@cityofranchocordova.org; cabhar@cityofranchocordova.org; jcowles@cityofranchocordova.org; RMillino@cityofsacramento.org; njoyce@cityofsacramento.org; KSherfey@cityofsacramento.org; rmendoza@cityofsacramento.org; JMcCabe@cityofsacramento.org; KLai@cityofsacramento.org; ldeklin@cityofsacramento.org; yrios@cityofsacramento.org; rec1146@aol.com; jgottlob@cityofsacramento.org; GSoos@cityofsacramento.org; DBowers@cityofsacramento.org; lgroves@cityofsacramento.org; rneves@folsom.ca.us; bholm@folsom.ca.us; skrahn@folsom.ca.us; dnugen@folsom.ca.us; frodriguez@folsom.ca.us; ttrinh@cityofgalt.org; mclarkson@cityofgalt.org; mselling@cityofgalt.org; bforrest@cityofgalt.org; boothg@saccounty.net; rehman@saccounty.net; bolend@saccounty.net; pimenteld@saccounty.net; gossr@saccounty.net; wrighta@saccounty.net; huberh@saccounty.net; johnsonm@saccounty.net; petersont@saccounty.net; boothd@saccounty.net; tamayod@saccounty.net; nspringer@saccounty.net; schmitzk@saccounty.net; kernj@saccounty.net; pasterskit@saccounty.net; williamsf@saccounty.net; eckd@saccounty.net; flynm@saccounty.net; ozorake@saccounty.net; carlsonr@saccounty.net; GomezLu@saccounty.net; miele@saccounty.net; frazierk@sacsewer.com; moorest@sacsewer.com; nebozks@sacsewer.com; upadhyay@sacsewer.com; crawfordp@sacsewer.com; fujikawas@saccounty.net; willisc@saccounty.net; RickeltonG@saccounty.net; vicarir@saccounty.net; hinesk@saccounty.net; lil@saccounty.net; whitest@saccounty.net; wrightme@SacCounty.NET; bellase@saccounty.net; doanem@saccounty.net; lundgrenj@saccounty.net; smithtodd@saccounty.net; MOFFITL@saccounty.net; taylorlo@saccounty.net; rainsm@saccounty.net; goetzs@saccounty.net; SJiang@airquality.org; mrenfro@airquality.org; robinsonju@saccounty.net; jarno@airquality.org; jchan@airquality.org; ghelfip@saccounty.net; johnsonr@saccounty.net; BardiniG@saccounty.net; WilcoxP@saccounty.net; acostad@saccounty.net; OlsonK@SacCounty.net; leechk@saccounty.net; johnsonp@saccounty.net; AalborgH@saccounty.net; CossioC@saccounty.net; FloydM@saccounty.net; MccoyK@saccounty.net; barcellosm@saccounty.net; KaridisD@saccounty.net; bongiornob@saccounty.net; SandovalA@saccounty.net; pwervin@wbcorp.com; rcwagner@wbcorp.com; cneudeck@ksninc.com; ssinnock@ksninc.com; GLabrie@dccengineering.net; daniel@kaydix.com; cosio@mbkengineers.com; tkerr@arfed.org; kking@rd1000.org; MMadison@egwd.org; Brian.McCord@amwater.com; des@cpuc.ca.gov; karla.tejada@gswater.com; brandyn.hancocks@gswater.com; mhuot@sswd.org; debrasedwick@sbcglobal.net; chris@carmichaelwd.org; laura@carmichaelwd.org; customerservice@fowd.com; mmisenboym@fowd.com; rscott@chwd.org; custserv@chwd.org; jduran@orangevalewater.com; nwadmin@natomaswater.com; psiebensohn@ranchomurietacsd.com; kborders@fairoakspark.org; jcano@southgaterecandpark.net; sfraher@acrpd.com; casentini.gregory@metrofire.ca.gov; teague.michael@metrofire.ca.gov; Johnson.maurice@metrofire.ca.gov; Bruce.robert@metrofire.ca.gov; Hein.Randall@metrofire.ca.gov; troybair@csdfire.com; mattdemarco@csdfire.com; michelle.mead@noaa.gov; alan.haynes@noaa.gov; jose.lara@caloes.ca.gov; megan.walton@caloes.ca.gov; Victoria.LaMar-Haas@CalOES.ca.gov; Lindsey.stanley@caloes.ca.gov; yrodrigu@placer.ca.gov; kathleen.ave@smud.org; sarah.staley@smud.org; Patrick.Durham@smud.org; sami.nall@water.ca.gov; kelly.soule@water.ca.gov; Anitra.Pawley@water.ca.gov; mlorenzo@water.ca.gov; emma.reed@fema.dhs.gov; xing.liu@fema.dhs.gov; Edith.Lohmann@fema.dhs.gov; zhamill@co.sutter.ca.us; WalkerBrian@Roseville.ca.us; Bruno.Costa@dot.ca.gov; Will.Schilling@dot.ca.gov; Hunter.Merritt@usace.army.mil;

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**Cc:** Chris Morrison; Brenna Howell; Jennifer Larkin; Chris Nelson; Bassett. John; Atwal. Kamal; Poole, Mary; Brian Hensley; Sanchez, Danilo; Goulding, Aaron@CHP; Flynn. MaryJo; Michael Moncrief; Folena, Ramie; Saucier. Melanie; Robinson. Matthew; SAFCA. MAIL; Gary; Singer, Eric; Michelena, Nestor@CHP

**Subject:** Sacramento County LHMP: Risk Assessment Meeting

**When:** Wednesday, February 17, 2021 2:30 PM-5:00 PM (UTC-07:00) Mountain Time (US & Canada).

**Where:** <https://us02web.zoom.us/j/81464669827?pwd=OVZQNmtGcCtReTBFUVhHZDIEcktSUT09>

Sacramento County Hazard Mitigation Planning Committee:

You are invited to the HMPC Risk Assessment Meeting, our second planning committee meeting for the development of Sacramento County's Local Hazard Mitigation Plan (LHMP) Update. Many of you attended the planning committee kickoff meeting in September of 2020 which initiated the LHMP Update effort. Since then, the Foster Morrison team has been working to collect data to develop Chapter 4 of our LHMP, the Risk Assessment Chapter, and for development of the Jurisdictional Annexes to the LHMP.

**This Risk Assessment Meeting will be held via Zoom on Wednesday, February 17 from 1:30 – 4:00 pm Pacific Time.** During this meeting, we will be reviewing the risk assessment data developed to date and will be looking for your feedback in refining and adding to this in-process Risk Assessment Chapter. We will also be discussing jurisdictional participation and data still needed to inform the risk assessment for the Sacramento County LHMP Update.

Your ongoing participation is critical to the success of this project. Please let me know if you have any questions. See below for the Zoom meeting invite.

Thank you,

Jeanine Foster  
Foster Morrison Consulting  
(303) 717-7171

Join Zoom Meeting

<https://us02web.zoom.us/j/81464669827?pwd=OVZQNmtGcCtReTBFUVhHZDIEcktSUT09>

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Find your local number: <https://us02web.zoom.us/j/81464669827?pwd=OVZQNmtGcCtReTBFUVhHZDIEcktSUT09>

## **Risk Assessment Meeting Agenda**

### **Sacramento County Local Hazard Mitigation Plan (LHMP) Update Risk Assessment Meeting: February 17, 2021**

1. Introductions
2. Status of the DMA Planning Process
3. Review of Risk Assessment
4. Critical Facility Data Overview (Sacramento County OES)
5. Open Discussion and Input on the Risk Assessment (Handout)
6. Questions

## Risk Assessment Meeting Sign in Sheets

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/ Sac County Water Agency
Amittoj Thandi	Engineering Services Support Manager	City of Elk Grove
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Janelle Gottlob	Emergency Manager	Janelle Gottlob
Vyomini Upadhyay	Associate Civil Engineer	Regional Sanitation District/ SASD Part of Sanitation Districts Agency
Todd Taylor	Associate Planner	Sacramento County Planning
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
June Cowles		City of Rancho Cordova Planning Department
Ryan Neves	Senior Engineer	City of Folsom
John Lundgren	Sr. Planner	Sacramento County Planning Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Tom Pasterski		SCWA
Jim Gillum		Resident/Gillum Consulting, Inc.
Neal Joyce	DOU Supervising Engineer	City of Sacramento Department of Utilities
Remi Mendoza		City of Sacramento Community Development Department
Greta Soos	Assistant Planner	City of Sacramento Planning Department
Michael Redfern		Sacramento Area Sewer District
Jeff Werner		City of Elk Grove
Emily Pappalardo		MBK Engineers
David Bolen		Sacramento County DWR
Shelly Jiang	Climate Change Coordinator	Sacramento Metropolitan Air Quality Management District
Liz Ramos		Kjeldsen, Sinnock & Neudeck, Inc
Piper Crawford		Regional Sanitation District
Steve White		Sacramento County Department of Transportation
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture
Heidi Huber		Sacramento County DWR
Tina Anderson	Project Manager	MBK Engineers
Tim Kerr		American River Flood Control District
Brian McCord	Director Operational Risk Management	California American Water

Name/Title	Title	Department/Agency/ Affiliation
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Bill Forrest		City of Galt Public Works
Juanita Cano		Southgate Recreation and Park District
Kerry Schmitz		Sacramento County Water Agency
Rosa Millino	Senior Engineer	City of Sacramento
Keith Leech		Sacramento County DGS Fleet Service
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Hunter Merritt	Public Involvement Specialist	USACE SPK Sacramento District
Bill Darsie		KSN Engineers, RD 2111,1601, 563
Glen Rickelton		Sacramento County Department of Airports
Connie Perkins	Senior Engineer	City of Sacramento Resident/ State CRS Coordinator
Clair Davis	Floodplain and CRS Administrator	City of Fort Worth TX
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting
Matt Demarco	Administrative Battalion Chief	Consumnes CSD Fire Department
Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers
Charles Bergstrom		City of Isleton; <a href="mailto:cbergson@cityofisleton.com">cbergson@cityofisleton.com</a>
Saira Nisha		Public
Derek DeWaal		FBI; <a href="mailto:dfdewaal@fbi.gov">dfdewaal@fbi.gov</a>
Jamie Hudson		City of Elk Grove Emergency Management <a href="mailto:jhudson@elkgrovepd.org">jhudson@elkgrovepd.org</a>
Anne Del Core		Resident of Sierra Oaks Vista; <a href="mailto:annedelcore@gmail.com">annedelcore@gmail.com</a>
Ann Kohl		AA Sierra Branch Committee; <a href="mailto:kohlvista@cw.com">kohlvista@cw.com</a>
Linda Ford		Resident/Metro Fire CERT <a href="mailto:metrofirecert@gmail.com">metrofirecert@gmail.com</a>
Holly Brown		Resident/SacRegion VOAD HandsOn Sacramento; <a href="mailto:hbrown@communitylinkcr.org">hbrown@communitylinkcr.org</a>
Rebecca Scott		Citrus Heights Water District; <a href="mailto:rscott@chwd.org">rscott@chwd.org</a>
Matt Hawkins	Emergency Manager	Sacramento County OES; <a href="mailto:hawkinsm@sacoes.org">hawkinsm@sacoes.org</a>
Mike Johnson		Sacramento County DWR; <a href="mailto:johnsonm@sacounty.net">johnsonm@sacounty.net</a>
Nestor Michelena		California Highway Patrol
Megan LeRoy		KSN Engineers; <a href="mailto:mleeroy@ksninc.com">mleeroy@ksninc.com</a>
Anitra Pawley	Program Manager	In-Delta Investments, Division of Multibenefits CA DWR; ??
Brian Hensley		Citrus Heights Water District; <a href="mailto:bhensley@chwd.org">bhensley@chwd.org</a>

Name/Title	Title	Department/Agency/ Affiliation
Mika Guevarra	Emergency Volunteer	Sacramento Region BOAD HandsOn Sacramento; mguevarra@communitylinkcr.org
Levi Warr		CA DWR; levi.warr@water.ca.gov
Tom Monahan		Public; tmonahan1947@yahoo.com
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Dirk Medema		City of Citrus Heights; <b>dmedema@citrusheights.net</b>
Eric Singer	Assistant Planner	City of Citrus Heights; esinger@citrusheights.net
Kamal Atwal	Principal Civil Engineer	Sacramento County DOT O&M; atwalk@saccounty.net
Christen Bennett		Sacramento County Water Agency; bennettchr@saccounty.net
Derek Larson	Principal	Larsen Wurzel & Associates; derek@larsenwurzel.com
Michael Moncrief	Principal	MBK Engineers; moncrief@mbkengineers.com
Michael Doane		Sacramento Regional Parks; doane@saccounty.net
David Bolland		Bolland and Associates; Dave_bolland@outlook.com

## Mitigation Strategy Meetings

### Mitigation Strategy Meetings Invite to Planning Team, Stakeholders, and Public

**From:** Jeanine Foster <jeanine.foster@fostermorrison.com>

**Sent:** Tuesday, March 9, 2021 4:51 PM

**To:** Jeanine Foster; dmedema@citrusheights.net; CityClerk@citrusheights.net; citymanager@citrusheights.net; jwerner@elkgrovecity.org; athandi@elkgrovecity.org; jhudson@elkgrovecity.org; cbergson@cityofisleton.com; yvonne.zepeda@cityofisleton.com; publicworks@cityofisleton.com; dfadl@cityofranchocordova.org; astricker@cityofranchocordova.org; cabhar@cityofranchocordova.org; jcowles@cityofranchocordova.org; RMillino@cityofsacramento.org; njoyce@cityofsacramento.org; KSherry@cityofsacramento.org; rmendoza@cityofsacramento.org; JMcCabe@cityofsacramento.org; KLai@cityofsacramento.org; ldeklin@cityofsacramento.org; yrios@cityofsacramento.org; rec1146@aol.com; jgottlob@cityofsacramento.org; GSoos@cityofsacramento.org; DBowers@cityofsacramento.org; lgroves@cityofsacramento.org; rneves@folsom.ca.us; bholm@folsom.ca.us; skrahn@folsom.ca.us; dnuigen@folsom.ca.us; frodriguez@folsom.ca.us; ttrinh@cityofgalt.org; mclarkson@cityofgalt.org; mselling@cityofgalt.org; bforrest@cityofgalt.org; boothg@saccounty.net; rehman@saccounty.net; bolend@saccounty.net; pimentel@saccounty.net; gossr@saccounty.net; wrighta@saccounty.net; huberh@saccounty.net; johnsonm@saccounty.net; petersont@saccounty.net; boothd@saccounty.net; tamayod@saccounty.net; nspringer@saccounty.net; schmitzk@saccounty.net; kernj@saccounty.net; pasterskit@saccounty.net; williamsf@saccounty.net; eckd@saccounty.net; flynnm@saccounty.net; ozorake@saccounty.net; carlsonr@saccounty.net; GomezLu@saccounty.net; mieledd@saccounty.net; frazierk@sacsewer.com; moorest@sacsewer.com; nebozucs@sacsewer.com; upadhyayv@sacsewer.com; crawfordp@sacsewer.com; fujikawas@saccounty.net; willisc@saccounty.net; RickeltonG@saccounty.net; vicarir@saccounty.net; hinesk@saccounty.net; lil@saccounty.net; whitest@saccounty.net; wrightme@SacCounty.NET; bellase@saccounty.net; doanem@saccounty.net; lundgrenj@saccounty.net; smithtodd@saccounty.net; MOFFITTL@saccounty.net; taylorto@saccounty.net; rainsm@saccounty.net; goetz@saccounty.net; SJiang@airquality.org; mrenfro@airquality.org; robinsonju@airquality.org; jarno@airquality.org; jchan@airquality.org; ghelfip@saccounty.net; johnsonr@saccounty.net; BardiniG@saccounty.net; WilcoxP@saccounty.net; acostad@saccounty.net; OlsonK@SacCounty.net; leechk@saccounty.net; johnsonp@saccounty.net; AalborgH@saccounty.net; CossioC@saccounty.net; FloydM@saccounty.net; MccoyK@saccounty.net; barcellosm@saccounty.net; KaridisD@saccounty.net; bongiornob@saccounty.net; SandovalA@saccounty.net; pwervin@wbecorp.com; rcwagner@wbecorp.com; cneudeck@ksninc.com; ssinnock@ksninc.com; G Labrie@dccengineering.net; daniel@kaydix.com; cosio@mbkengeers.com; tkerr@arfed.org; kking@rd1000.org; MMadison@egwd.org; Brian.McCord@amwater.com; des@cpuc.ca.gov; karla.tejada@gswater.com; brandyn.hancocks@gswater.com; mhuet@sswd.org; debrasedwick@sbcglobal.net; chris@carmichaelwd.org; laura@carmichaelwd.org; customerservice@fowd.com; mmisenboym@fowd.com; rscott@chwd.org; custserv@chwd.org; jduran@orangevalewater.com; nwadmin@natomaswater.com; psiebensohn@ranchomurieta.com; kborders@fairoakspark.org; jcano@southgaterecandpark.net; sfraher@acrp.com; teague.michael@metrofire.ca.gov; Johnson.maurice@metrofire.ca.gov; Bruce.robert@metrofire.ca.gov; Hein.Randall@metrofire.ca.gov; troybair@csdfire.com; mattdemarco@csdfire.com; michelle.mead@noaa.gov; alan.haynes@noaa.gov; jose.lara@caloes.ca.gov; megan.walton@caloes.ca.gov; Victoria.LaMar-Haas@CalOES.ca.gov; Lindsey.stanley@caloes.ca.gov; yrodrigu@placer.ca.gov; kathleen.ave@smud.org; sarah.staley@smud.org; Patrick.Durham@smud.org; sami.nall@water.ca.gov; kelly.soule@water.ca.gov; Anitra.Pawley@water.ca.gov; mlorenzo@water.ca.gov; emma.reed@fema.dhs.gov; xing.liu@fema.dhs.gov; Edith.Lohmann@fema.dhs.gov; zhamill@co.sutter.ca.us; WalkerBrian@Roseville.ca.us; Bruno.Costa@dot.ca.gov; Will.Schilling@dot.ca.gov; Hunter.Merritt@usace.army.mil;

Constance.PerkinsGutowsky@cvflood.ca.gov; melinda@floodassociation.net; vtgonis@chp.ca.gov; rojohnson@chp.ca.gov; dfdewaal@fbi.gov; gwgoodman@fightthebite.net; douglas.brim@yolocounty.org; klove@sacsheriff.com; sheriff@sacsheriff.com; gsaelee@SacSheriff.com; ccotten@SacSheriff.com; ewhite@elkgrovepd.org; jkearsing@elkgrovepd.org; rooney@pd.cityofsacramento.org; linda@chaplaw.us; walterjhoppe@gmail.com; modfromhood@yahoo.com; alstonjoan@comcast.net; ginny@greeneandhemly.com; pappalardo@mbkengineers.com; msvls@cwo.com; portabellainterioridesign@yahoo.com; saberin@frontiernet.net; peterwesleystone@gmail.com; giranch@frontiernet.net; virvitch@aol.com; tim@timhodgson.us; spammyrussell@gmail.com; michelle\_franusich@yahoo.com; Hkhapp@aol.com; bob33berger@gmail.com; hardhead131@yahoo.com; deyoungliving@gmail.com; office@woodsidehoa.com; kimberlyedwards00@comcast.net; seebogierun@aol.com; javed.siddiqui@jtsengineering.com; Charhorseranch@aol.com; Brian.Heiland@water.ca.gov; jeff@sactoflood.com; Dhenderson@esri.com; derek@larsenwurzel.com; wolmsted@comcast.net; ivan.gennis@gmail.com; jim@gillumco.com; gbwhitney@gmail.com; arvail@sbcglobal.net; mace.ucdavis@gmail.com; curtis.alling@ascentenvironmental.com; ezapata@cityofsacramento.org; Rob.Mead@comcast.net; cferrari@geiconsultants.com; lance.egcitizen@gmail.com; meg.arnold@valleyvision.org; jkim@lgc.org; amanda@ejcw.org; colin@ejcw.org; wendi.wilkinson@cdfa.ca.gov; dianekirk@frontiernet.net; awe@areawesteng.com; psphangureh@gmail.com; alain@allstate.com; vihong@hotmail.com; doncald@hotmail.com; Sandy.Holsopple@pcbs-services.com; apsturm@ucdavis.edu; Clair.Davis@fortworthtexas.gov; rsetliff@cityofnapa.org; 93cobrarims@gmail.com; ruby.cornejo@ymail.com; mzsueq81@aol.com; dave@olsonconstructioninc.com; EdDavis@mbk.com; americasplumbing@msn.com; Bhale3@gmail.com; loreene@msn.com; Violetta.Corrall@safecu.org; casey@teamsia.com; gheisinger@financeofamerica.com; kimberly@fairwaynapa.com; RonPeden@pedenproperties.com; john@greyscale.llc; npavlit@hotmail.com; message1189@gmail.com; ditsomen@gmail.com; mhamon@mrhamon.com; mmareka@gmail.com; Christopher.X.Teng@kp.org; alex.martynovskiy@gmail.com; kevin@cmsplumbers.com; ddtay38lor@gmail.com; cadams@ebiconsulting.com; ngan.stanley@gmail.com; collin.dvc@gmail.com; angiely314@yahoo.com; dianne@themarkinfamily.com; Jacobocito25@gmail.com; ruk239@aol.com; houseb101@gmail.com; csaechao06@gmail.com; kat.marciel@gmail.com; vmihanovich@communitylinkcr.org; rodriguez@saccounty.net; Silvia.reynoso@water.ca.gov; jlim@cityofsacramento.org; Bailey.ty@metrofire.ca.gov; tfranklin@egwd.org; hhampton@sacsheriff.com; mhertel@cityofsacramento.org; eramos@ksninc.com; anderson@mbkengineers.com; flweiland@yahoo.com; colemaj2@losrios.edu; toni.hoang@smud.org; kohl@cwo.com; spencer@spencereberle.com; steberle1@hotmail.com; redfernm@sacsewer.com; sacreeks@gmail.com; metrofirecert@gmail.com; tmonahan1947@yahoo.com; esinger@citrusheights.net; rfolena@sacsheriff.com; florescj@saccounty.net; kcusano@folsom.ca.us; feliperodriguez@csdfire.com; hbrown@communitylinkcr.org; mguevarra@communitylinkcr.org

**Cc:** Chris Morrison; Brenna Howell; Warr, Levi@DWR; Jennifer Holden; Jim Gillum; Flynn. MaryJo; Jamie McKinley; Gary; Jennifer Larkin; SAFCA. MAIL

**Subject:** Sacramento County LHMP Update: Mitigation Strategy Goals Meeting

**When:** Wednesday, March 24, 2021 2:30 PM-4:30 PM (UTC-07:00) Mountain Time (US & Canada).

**Where:** <https://us02web.zoom.us/j/87806660168?pwd=RVYrYlVTT1lWdjNORk1MSFBTN2djUT09>

All,

You are invited to the Mitigation Strategy Meetings (HMPC #3 & #4) for the 2021 Sacramento County LHMP Update:

**Mitigation Strategy Meeting: Goals - March 24 (Wednesday) 1:30-3:30 Pacific Time.** *During this first meeting, we will be updating the 2016 LHMP Goals and Objectives.*

**Mitigation Strategy Meeting: Actions/Projects – March 30 (Tuesday) 1:30-4:00 Pacific Time.** *During this second meeting, we will be identifying potential mitigation actions and projects for reducing Sacramento County’s and all Participating Jurisdiction’s risk and vulnerability to priority hazards and disasters.*

**These are the two most important meetings for this LHMP Update Project!**

Zoom Meeting Information for the March 24<sup>th</sup> Meeting is included below. A separate invite will be sent for the meeting on March 30<sup>th</sup>. A handout for the meetings will be provided via email prior to our first meeting.

Let me know if anyone has questions.

Thanks,

Jeanine Foster  
Foster Morrison Consulting  
(303) 717-7171

**Join Zoom Meeting for March 24<sup>th</sup> Meeting:**

<https://us02web.zoom.us/j/87806660168?pwd=RVYrYlVTT1lWdjNORk1MSFBTN2djUT09>

Meeting ID: 878 0666 0168

Passcode: 012399

One tap mobile

+13462487799,,87806660168#,,,,\*012399# US (Houston)

+16699006833,,87806660168#,,,,\*012399# US (San Jose)

Dial by your location

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 301 715 8592 US (Washington DC)

Meeting ID: 878 0666 0168

Passcode: 012399

Find your local number: <https://us02web.zoom.us/u/ksXF09LAB>

## Mitigation Strategy Meeting Agenda

### Sacramento County Local Hazard Mitigation Plan (LHMP) Update Mitigation Strategy Meetings March 24<sup>th</sup> and March 30<sup>th</sup>, 2021

#### *HMPC Meeting #2:*

7. Introductions
8. LHMP Project Status and Next Steps/Timeline
9. Priority Hazards Review
10. Develop Plan Goals and Objectives
11. Introduction to HMPC Meeting #4: Mitigation Alternatives/Actions/Projects

#### *HMPC Meeting #3:*

12. Introductions
13. Review Mitigation Categories and Selection Criteria
14. Brainstorming of Mitigation Alternatives/Actions/Projects by Hazard
15. Review of Voting Process for Prioritization of Mitigation Projects
16. Questions

## Mitigation Strategy Meeting Sign in Sheets – March 24th

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/ Sac County Water Agency
Amittoj Thandi	Engineering Services Support Manager	City of Elk Grove
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Janelle Gottlob	Emergency Manager	Janelle Gottlob
Vyomini Upadhyay	Associate Civil Engineer	Regional Sanitation District/ SASD Part of Sanitation Districts Agency
Todd Taylor	Associate Planner	Sacramento County Planning
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
June Cowles		City of Rancho Cordova Planning Department
Ryan Neves	Senior Engineer	City of Folsom
John Lundgren	Sr. Planner	Sacramento County Planning Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Jim Gillum		Public/Gillum Consulting, Inc.
Remi Mendoza		City of Sacramento Community Development Department
M.T. Lorenzo-Lee		Sacramento County Resident
Greta Soos	Assistant Planner	City of Sacramento Planning Department
Michael Redfern		Sacramento Area Sewer District
Emily Pappalardo		MBK Engineers
David Bolen		Sacramento County DWR
Liz Ramos		Kjeldsen, Sinnock & Neudeck, Inc
Piper Crawford		Regional Sanitation District
Steve White		Sacramento County Department of Transportation
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture
Gilbert Mendes		Home Owner Franklin Pond Area Elk Grove
Valeri Mihanovich	Director	Public/The Regional Center for Volunteerism- Hanson Sacramento AND Sacramento Region Voluntary Organizations Active in Disaster
Melanie Saucier		SAFCA
Heidi Huber		Sacramento County DWR
Tim Kerr		American River Flood Control District
Brian McCord	Director Operational Risk Management	California American Water

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Dawn Pimentel		Sacramento County DWR
Chris Neudeck		KSN Engineering/ cneudeck@ksninc.com
Brenna Howell		Howell Consulting
Debbie Turner		Los Rios Community College District
Bill Forrest		City of Galt Public Works
Juanita Cano		Southgate Recreation and Park District
Rosa Millino	Senior Engineer	City of Sacramento
Keith Leech		Sacramento County DGS Fleet Service
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Glen Rickelton		Sacramento County Department of Airports
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting
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Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers
Charles Bergstrom		City of Isleton; cbergson@cityofisleton.com
Jamie Hudson		City of Elk Grove Emergency Management <a href="mailto:jhudson@elkgrovepd.org">jhudson@elkgrovepd.org</a>
Linda Ford		Resident/Metro Fire CERT ;metrofirecert@gmail.com
Holly Brown		Resident/SacRegion VOAD HandsOn Sacramento; hbrown@communitylinkcr.org
Rebecca Scott		Citrus Heights Water District; rscott@chwd.org
Matt Hawkins	Emergency Manager	Sacramento County OES; hawkinsm@sacoes.org
Megan LeRoy		KSN Engineers; mleroy@ksninc.com
Mika Guevarra	Emergency Volunteer	Resident/Sacramento Region BOAD HandsOn Sacramento; mguevarra@communitylinkcr.org
Levi Warr		CA DWR; levi.warr@water.ca.gov
Tom Monahan		Public; tmonahan1947@yahoo.com
Derek Larson	Principal	Public/ Larsen Wurzel & Associates; derek@larsenwurzel.com
Michael Doane		Sacramento Regional Parks; doane@saccounty.net
Victoria LaMar-Haas		Cal OES, Program Manager, Local Hazard Mitigation Planning
Ben Ashby		CHP East Sacramento Area
Jason D'Alessio		Sacramento County OES
Megan Walton		Cal OES Recovery

Name/Title	Title	Department/Agency/ Affiliation
Angelina Wu		City of Sacramento
Toni Hoang		SMUD
Jamie McKinley		City of Sacramento; jmckinley@cityofsacramento.org

### Mitigation Strategy Meeting Sign in Sheets – March 30th

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/ Sac County Water Agency
Amittoj Thandi	Engineering Services Support Manager	City of Elk Grove
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Jeanelle Gottlob	Emergency Manager	Jenelle Gottlob
Vyomini Upadhyay	Associate Civil Engineer	Regional Sanitation District/ SASD Part of Sanitation Districts Agency
Todd Taylor	Associate Planner	Sacramento County Planning
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
June Cowles		City of Rancho Cordova Planning Department
John Lundgren	Sr. Planner	Sacramento County Planning Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Remi Mendoza		City of Sacramento Community Development Department
M.T. Lorenzo-Lee		Sacramento County Resident
Greta Soos	Assistant Planner	City of Sacramento Planning Department
Michael Redfern		Sacramento Area Sewer District
Emily Pappalardo		MBK Engineers
Liz Ramos		Kjeldsen, Sinnock & Neudeck, Inc
Piper Crawford		Regional Sanitation District
Steve White		Sacramento County Department of Transportation
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture
Gilbert Mendes		Home Owner Franklin Pond Area Elk Grove
Valeri Mihanovich	Director	Public/The Regional Center for Volunteerism- Hanson Sacramento AND Sacramento Region Voluntary Organizations Active in Disaster
Melanie Saucier		SAFCA
Heidi Huber		Sacramento County DWR

Name/Title	Title	Department/Agency/ Affiliation
Tim Kerr		American River Flood Control District
Dawn Pimentel		Sacramento County DWR
Chris Neudeck		KSN Engineering/ cneudeck@ksninc.com
Eric Singer		City of Citrus Heights Planning Division
Debbie Turner		Los Rios Community College District
Bill Forrest		City of Galt Public Works
Juanita Cano		Southgate Recreation and Park District
Rosa Millino	Senior Engineer	City of Sacramento
Keith Leech		Sacramento County DGS Fleet Service
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Connie Perkins	Senior Engineer	City of Sacramento Resident/ State CRS Coordinator
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting
Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers
Charles Bergstrom		City of Isleton; cbergson@cityofisleton.com
Jamie Hudson		City of Elk Grove Emergency Management <a href="mailto:jhudson@elkgrovepd.org">jhudson@elkgrovepd.org</a>
Linda Ford		Resident/Metro Fire CERT ;metrofirecert@gmail.com
Holly Brown		Resident/SacRegion VOAD HandsOn Sacramento; hbrown@communitylinkcr.org
Rebecca Scott		Citrus Heights Water District; rscott@chwd.org
Matt Hawkins	Emergency Manager	Sacramento County OES; hawkinsm@sacoes.org
Megan LeRoy		KSN Engineers; mleroy@ksninc.com
Mika Guevarra	Emergency Volunteer	Sacramento Region BOAD HandsOn Sacramento; mguevarra@communitylinkcr.org
Levi Warr		CA DWR; levi.warr@water.ca.gov
Tom Monahan		Public; tmonahan1947@yahoo.com
Derek Larson	Principal	Public/ Larsen Wurzel & Associates; derek@larsenwurzel.com
Michael Doane		Sacramento Regional Parks; doane@saccounty.net
Mary Jo Nevins		Sacramento County OES
Neal Joyce	Supervising Engineer	City of Sacramento DOU njoyce@cityofsacramento.org

Name/Title	Title	Department/Agency/ Affiliation
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Jason D'Alessio		Sacramento County OES
Bill Sessa		Woodside Homeowners Association
Mark Cherry		Sacramento Sheriff's Office mcherry@sacsheriff.com
Patrick Ji	Water Quality Engineer	City of Sacramento
Israel Tamiru	Jr. Engineer	City of Sacramento DOU itamiru@cityofsacramento.org
Raymond Kong		City of Sacramento DOU rkong@cityofsacramento.org
Toni Hoang		SMUD
Jamie McKinley		City of Sacramento; jmckinley@cityofsacramento.org

## Final HMPC Meeting

### Final Team Meeting Invite to Planning Team, Stakeholders, and Public

**From:** Jeanine Foster <jeanine.foster@fostermorrison.com>

**Sent:** Tuesday, July 13, 2021 3:49 PM

**To:** Jeanine Foster; dmedema@citrusheights.net; CityClerk@citrusheights.net; citymanager@citrusheights.net; jwerner@elkgrovecity.org; athandi@elkgrovecity.org; jhudson@elkgrovecity.org; cbergson@cityofisleton.com; yvonne.zepeda@cityofisleton.com; publicworks@cityofisleton.com; dfadl@cityofranchocordova.org; astricker@cityofranchocordova.org; cabhar@cityofranchocordova.org; jcowles@cityofranchocordova.org; RMillino@cityofsacramento.org; njoyce@cityofsacramento.org; KShurfey@cityofsacramento.org; rmendoza@cityofsacramento.org; JMcCabe@cityofsacramento.org; KLai@cityofsacramento.org; ldeklin@cityofsacramento.org; yrios@cityofsacramento.org; rec1146@aol.com; jgottlob@cityofsacramento.org; GSoos@cityofsacramento.org; DBowers@cityofsacramento.org; lgroves@cityofsacramento.org; rneves@folsom.ca.us; bholm@folsom.ca.us; skrahn@folsom.ca.us; dnugen@folsom.ca.us; frodriguez@folsom.ca.us; ttrinh@cityofgalt.org; mclarkson@cityofgalt.org; mselling@cityofgalt.org; bforrest@cityofgalt.org; boothg@saccounty.net; rehman@saccounty.net; bolend@saccounty.net; pimenteld@saccounty.net; gossr@saccounty.net; wrighta@saccounty.net; huberh@saccounty.net; johnsonm@saccounty.net; petersont@saccounty.net; boothd@saccounty.net; tamayod@saccounty.net; nspringer@saccounty.net; schmitzk@saccounty.net; kernj@saccounty.net; pasterkit@saccounty.net; williamsf@saccounty.net; eckd@saccounty.net; flynm@saccounty.net; ozorake@saccounty.net; carlsonr@saccounty.net; GomezLu@saccounty.net; mieled@saccounty.net; frazierk@sacsewer.com; moorest@sacsewer.com; nebozucs@sacsewer.com; upadhyayv@sacsewer.com; crawfordp@sacsewer.com; fujikawas@saccounty.net; willisc@saccounty.net; RickeltonG@saccounty.net; vicarir@saccounty.net; hinesk@saccounty.net; lil@saccounty.net; whitest@saccounty.net; wrightme@SacCounty.NET; bellase@saccounty.net; doanem@saccounty.net; lundgrenj@saccounty.net; smithtodd@saccounty.net; MOFFITTL@saccounty.net; taylorlo@saccounty.net; rainsm@saccounty.net; goetzs@saccounty.net; SJiang@airquality.org; mrenfro@airquality.org; robinsonju@airquality.org; jarno@airquality.org; jchan@airquality.org; ghelfip@saccounty.net; johnsonr@saccounty.net; BardiniG@saccounty.net; Wilcox@saccounty.net; acostad@saccounty.net; OlsonK@SacCounty.net; leechk@saccounty.net; johnsonp@saccounty.net; AalborgH@saccounty.net; CossioC@saccounty.net; FloydM@saccounty.net; MccoyK@saccounty.net; barcellosm@saccounty.net; KaridisD@saccounty.net; bongiornob@saccounty.net; SandovalA@saccounty.net; pwervin@wbecorp.com; rcwagner@wbecorp.com; cneudeck@ksninc.com; ssinnock@ksninc.com; G Labrie@dccengineering.net; daniel@kaydix.com; cosio@mbkengineers.com; tkerr@arfed.org; kking@rd1000.org; MMadison@egwd.org; Brian.McCord@amwater.com; des@cpuc.ca.gov; karla.tejada@gswater.com; brandyn.hancocks@gswater.com; mhuot@sswd.org; debrasedwick@sbcglobal.net; chris@carmichaelwd.org; laura@carmichaelwd.org; customerservice@fowd.com; mmisenboym@fowd.com; rscott@chwd.org; jduran@orangevalewater.com; nadmin@natomaswater.com; psiebensohn@ranchomurieta.csd.com; kborders@fairoakspark.org; jcano@southgaterecandpark.net; sfraher@acrpd.com; teague.michael@metrofire.ca.gov; Johnson.maurice@metrofire.ca.gov; Bruce.robert@metrofire.ca.gov; Hein.Randall@metrofire.ca.gov; troybair@csdfire.com; mattdemarco@csdfire.com; michelle.mead@noaa.gov; alan.haynes@noaa.gov; megan.walton@caloes.ca.gov; Victoria.LaMar-Haas@CalOES.ca.gov; Lindsey.stanley@caloes.ca.gov; yrodrigu@placer.ca.gov; kathleen.ave@smud.org; sarah.staley@smud.org; Patrick.Durham@smud.org; sami.nall@water.ca.gov; kelly.soule@water.ca.gov; Anitra.Pawley@water.ca.gov; mlorenzo@water.ca.gov; emma.reed@fema.dhs.gov; xing.liu@fema.dhs.gov; Edith.Lohmann@fema.dhs.gov; zhamill@co.sutter.ca.us; WalkerBrian@Roseville.ca.us; Bruno.Costa@dot.ca.gov; Will.Schilling@dot.ca.gov; Hunter.Merritt@usace.army.mil; Constance.PerkinsGutowsky@cvflood.ca.gov; melinda@floodassociation.net; vtgonis@chp.ca.gov;

dfdewaal@fbi.gov; gwgoodman@fightthebite.net; douglas.brim@yolocounty.org; klove@sacsheriff.com; sheriff@sacsheriff.com; gsaelee@SacSheriff.com; ccotten@SacSheriff.com; ewhite@elkgrovepd.org; jkearsing@elkgrovepd.org; rooney@pd.cityofsacramento.org; linda@chaplaw.us; walterjhoppe@gmail.com; modfromhood@yahoo.com; alstonjoan@comcast.net; ginny@greeneandhemly.com; pappalardo@mbkengineers.com; msvls@cwo.com; portabellainteriodesign@yahoo.com; saberin@frontiernet.net; peterwesleystone@gmail.com; giranch@frontiernet.net; virvitch@aol.com; tim@timhodgson.us; spammyrussell@gmail.com; michelle\_franusich@yahoo.com; Hkhapp@aol.com; bob33berger@gmail.com; hardhead131@yahoo.com; deyoungliving@gmail.com; office@woodsidehoa.com; kimberlyedwards00@comcast.net; seebogierun@aol.com; javed.siddiqui@jtsengineering.com; Charhorseranch@aol.com; Brian.Heiland@water.ca.gov; Dhenderson@esri.com; derek@larsenwurzel.com; wolmsted@comcast.net; ivan.gennis@gmail.com; jim@gillumco.com; gbwhitney@gmail.com; arvail@sbcglobal.net; mace.ucdavis@gmail.com; curtis.alling@ascentenvironmental.com; ezapata@cityofsacramento.org; Rob.Mead@comcast.net; cferrari@geiconsultants.com; lance.egcitizen@gmail.com; meg.arnold@valleyvision.org; jkim@lgc.org; amanda@ejcw.org; colin@ejcw.org; wendi.wilkinson@cdfa.ca.gov; dianekirk@frontiernet.net; awe@areawesteng.com; psphangureh@gmail.com; alain@allstate.com; vihong@hotmail.com; doncald@hotmail.com; Sandy.Holsopple@pcbs-services.com; apsturm@ucdavis.edu; Clair.Davis@fortworthtexas.gov; rsetliff@cityofnapa.org; 93cobararms@gmail.com; ruby.cornejo@ymail.com; mzsueq81@aol.com; dave@olsonconstructioninc.com; EdDavis@mbk.com; americasplumbing@msn.com; Bhale3@gmail.com; loreene@msn.com; Violetta.Corrall@safecu.org; casey@teamsia.com; gheisinger@financeofamerica.com; kimberly@fairwaynapa.com; RonPeden@pedenproperties.com; john@greyscale.llc; npavlit@hotmail.com; message1189@gmail.com; mhamon@mrhamon.com; mmareka@gmail.com; Christopher.X.Teng@kp.org; alex.martynovskiy@gmail.com; kevin@cmsplumbers.com; ddtay38lor@gmail.com; cadams@ebiconsulting.com; ngan.stanley@gmail.com; angiely314@yahoo.com; dianne@themarkinfamily.com; Jacobocito25@gmail.com; ruk239@aol.com; houseb101@gmail.com; csaechao06@gmail.com; kat.marcil@gmail.com; vmihanovich@communitylinkcr.org; rodriguez1@saccounty.net; Silvia.reynoso@water.ca.gov; Bailey.ty@metrofire.ca.gov; tfranklin@egwd.org; hhampton@sacsheriff.com; mhertel@cityofsacramento.org; eramos@ksninc.com; anderson@mbkengineers.com; flweiland@yahoo.com; colemaj2@losrios.edu; toni.hoang@smud.org; kohl@cwo.com; spencer@spencereberle.com; steberle1@hotmail.com; redfernm@sacsewer.com; saccreeks@gmail.com; metrofirecert@gmail.com; tmonahan1947@yahoo.com; esinger@citrusheights.net; florescj@saccounty.net; kcusano@folsom.ca.us; feliperodriguez@csofire.com; hbrown@communitylinkcr.org; mguevarra@communitylinkcr.org; HawkinsM@SacOES.Org; bsessa1064@aol.com; BMaynard@chp.ca.gov; rdas@cityofsacramento.org  
**Cc:** Chris Morrison; Brenna Howell; Cave, Regina; Flynn. MaryJo; Saucier. Melanie; Jennifer Larkin  
**Subject:** Sacramento County LHMP Update: Final HMPC Meeting  
**When:** Wednesday, August 4, 2021 10:00 AM-12:00 PM (UTC-07:00) Mountain Time (US & Canada).  
**Where:** <https://us02web.zoom.us/j/81491279503?pwd=SE8yR2ZBMmFnWU5Z0xNdi9FYVB2UT09>

Jeanine Foster is inviting you to a scheduled Zoom meeting.

**FINAL HMPC ZOOM MEETING INFO:**

**Topic:** Sacramento County LHMP Update: Final HMPC Meeting

**Time:** Aug 4, 2021 9:00 – 11:00 AM Pacific Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/81491279503?pwd=SE8yR2ZBMmFnWUU5Z0xNdi9FYVB2UT09>

Meeting ID: 814 9127 9503

Passcode: 529795

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Find your local number: <https://us02web.zoom.us/j/kchs9hJLKa>

## Final HMPC Meeting Agenda

### **AGENDA** **Sacramento County Local Hazard Mitigation Plan (LHMP) Update** **Final Meeting** **August 4, 2021**

1. Introductions
2. Status of the LHMP Update Process
3. Addressing Public Comments
4. Summary of Changes in Sacramento County Planning Area Vulnerabilities/ Mitigation Priorities
5. Final Input: Data/Projects
6. Next Steps

## Final Team Meeting Sign in Sheet

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/ Sac County Water Agency
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Lauren Groves		City of Sac OEM (for Jeanelle Gottlob) lgroves@cityofsacramento.org
Lisa Barsdale		Sac Metro Fire, (Barsdale.lisa@metrofire.ca.gov
Orlando Olivas		Sacramento County Dept. of Airports (for Glen Rickelton
Todd Taylor	Associate Planner	Sacramento County Planning
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
Ryan Neves	Senior Engineer	City of Folsom
John Lundgren	Sr. Planner	Sacramento County Planning Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Jim Gillum		Public/Gillum Consulting, Inc.
Daniel Bowers	Sac OEM Director	dbowers@cityofsacramento.org
Remi Mendoza		City of Sacramento Community Development Department
Rosa Millino	Senior Engineer	City of Sacramento
Greta Soos	Assistant Planner	City of Sacramento Planning Department
Michael Redfern		Sacramento Area Sewer District
Emily Pappalardo		MBK Engineers
David Bolen		Sacramento County DWR
Liz Ramos	Kjeldsen, Sinnock & Neudeck, Inc	(Representing Deadhorse, Tyler and Twitchell
Piper Crawford		Regional Sanitation District
Barb McGowan	DCC Engineering	BALMD (RDs 317, 407, 2607) BMcGowan@dcceng.net
Steve White		Sacramento County Department of Transportation
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture
Gilbert Mendes		Home Owner Franklin Pond Area Elk Grove
Heidi Huber		Sacramento County DWR
Tim Kerr		American River Flood Control District
Dawn Pimentel		Sacramento County DWR
Ken Cusano	Fire Chief	Folsom Fire Department
Bill Forrest		City of Galt Public Works

Name/Title	Title	Department/Agency/ Affiliation
Hunter Merritt	Social Scientist	USACE Institute for Water Resources hunter.merritt@usace.army.mil
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting
Matt DeMarco	Administrative Battalion Chief	Consumnes CSD Fire Department
Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers
Regina Cave		City of Citrus Heights rcave@citrusheights.net
Jamie Hudson		City of Elk Grove Emergency Management <a href="mailto:jhudson@elkgrovepd.org">jhudson@elkgrovepd.org</a>
Rebecca Scott		Citrus Heights Water District; rscott@chwd.org
Sylvia Reynoso	DOU Supervising Engineer	City of Sacramento
Michael Doane		Sacramento Regional Parks; doane@saccounty.net
Mary Jo Nevins		Sacramento County OES
Brandon Mitchell		Sacramento County Water Resources mitchellbr@saccounty.net

## A.2 Sacramento County Step 2: Involve the Public

Multiple efforts were made to engage the public during the creation of this plan, including direct outreach efforts such as phone calls, emails, direct mailings, and face-to-face meetings, in addition to the broader outreach efforts such as e-newsletters, website postings, newspaper advertisements and articles, and leveraging other community events to communicate and invite participation in the LHMP Update project. A key element of public participation is including members of the public and other public-type stakeholders (at 50% participation) on the Hazard Mitigation Planning Committee.

### *a) List of Hazard Mitigation Planning Committee (HMPC) Members and Public Members to the HMPC*

The HMPC, comprising key county, city, special district, and other government and stakeholder representatives and the public, developed the plan with leadership from the County OES and facilitation by Foster Morrison. This list of HMPC members is shown in Section A.1.c of this Appendix.

In addition to the HMPC, a Steering Committee to the HMPC was established to help guide LHMP development, including the CRS components of floodplain management planning and the overall development of the LHMP. The Steering Committee is comprised of key representatives from the County and the City of Sacramento as the two CRS communities and includes non-local government and public representatives. The non-local government members of the Steering Committee (citizens and other outside stakeholders) represent more than 50% representation of the committee for the Steering Committee.

*Table A-2 Sacramento County LHMP Steering Committee to the Hazard Mitigation Planning Committee*

Community/ Representative	Department/Organization	County/ City	Public/ Resident	Stakeholder	# Meetings
<b>Sacramento County</b>					
George Booth	Sacramento County Department of Water Resources	X			5
John Lundgren	Sacramento County Office of Planning and Environmental Review	X			5
<b>City of Sacramento</b>					
Rosa Millino	Community Development Department Planning Division,	X			5
Remi Mendoza	Development Services Department/Regulatory Compliance	X			5
<b>Public Representatives</b>					
Wendy Wilkinson	Home Owner Franklin Pond Area, Elk Grove		X	X	5
Gilbert Mendes	Home Owner Franklin Pond Area, Elk Grove		X		4
Spencer Eberle	Resident – Old North Sacramento		X		5

Community/ Representative	Department/Organization	County/ City	Public/ Resident	Stakeholder	# Meetings
Holly Brown	Resident/Hands On Sacramento		X	X	3
Jim Gillum	Resident/Gillum Consulting		X		4
Connie Perkins	City of Sacramento Resident		X	X	3
Maria Lorenzo-Lee	Resident Pocket Area		X	X	3
Mike Guevarra	Resident/Hands On Sacramento		X	X	3
Tom Monahan	Public		X		3
Derek Lawson	Public		X		3
Valerie Mihanovich	Public/Hands On Sacramento		X	X	3
Linda Ford	Resident/ Metro Fire Cert				3

***b) and c) Public Meetings***

In addition to a paid advertisement in the local newspaper, the Sacramento Gazette, for public participation, notices of meetings were sent directly to all persons on the HMPC contact list and also to other agency and key stakeholders with an interest in the Sacramento County Planning Area, as well as through other social media outreach efforts. The majority of these people reside in Sacramento County or in surrounding communities. The formal public meetings for this project are summarized in the following table.

Meeting Type	Meeting Topic	Meeting Date	Meeting Locations
Early Public Meeting	1) Intro to DMA, CRS and mitigation planning 2) 2021 LHMP Update Process	September 15, 2020	Zoom Meeting
Final Public Meeting	1)Presentation of Draft LHMP and solicitation of public and stakeholder comments	August 3, 2021	Zoom Meeting

Paid Ad for Early Meeting



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ATTN: MATT ROBINSON  
827 7TH ST., ROOM 301  
SACRAMENTO CA 95814**

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County of Sacramento    )  
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(92167)

I am a citizen of the United States; I am over the age of 18 years. I am the principal clerk of THE SACRAMENTO GAZETTE, a community newspaper printed and published in the English language, and adjudged to be a Newspaper of General Circulation for the City and County of Sacramento by the Sacramento County Superior Court on August 12, 1997. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of THE SACRAMENTO GAZETTE and not in any supplement thereof on the following date(s), to wit:

**09-11-20**

**Executed on: 09-11-2020  
at Sacramento, California**

**I certify under penalty of perjury that the foregoing is true and correct:**

Signature 

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**ATTN: MATT ROBINSON**  
**827 7TH ST., ROOM 301**  
**SACRAMENTO CA 95814**



**Sacramento County 2021 Local Hazard Mitigation Plan Update**

***HELP YOUR COMMUNITY BE HAZARD-READY!***

Sacramento County with its cities and numerous special districts will be updating the Local Hazard Mitigation Plan (LHMP) looking at the risk of floods, drought, wildfires, severe weather, and other natural hazards of concern to the County. While hazards such as these cannot be prevented, a Hazard Mitigation Plan forms the foundation for a community's long-term strategy to reduce disaster losses. A FEMA-approved Hazard Mitigation Plan allows agencies to apply for pre- and post-disaster mitigation grant funding. In addition, this LHMP Update provides for lower costs of flood insurance premiums, through the National Flood Insurance Program's (NFIP) Community Rating System (CRS), to residents of Sacramento County and City of Sacramento, as the two CRS communities.

You are invited. Sacramento County is seeking members of the public to participate on our Hazard Mitigation Planning Committee (HMPC) for this LHMP Update. No background or expertise is required. We encourage attendance and participation from the general public at our upcoming Planning Committee and Public Meetings to kick off the project; please select the time and location that works best for you:

Planning Committee Virtual Meeting  
September 15, 2020 (Tuesday)  
1:30 - 4:00 pm

Public Information Virtual Meeting  
September 15, 2020 (Tuesday)  
6:00 - 7:30 pm

For more information and to obtain the Zoom link for the meetings, please visit our LHMP webpage at [www.StormReady.org](http://www.StormReady.org)

## Early Public Meeting Agenda

# SACRAMENTO COUNTY LOCAL HAZARD MITIGATION PLAN (LHMP) PUBLIC MEETING #1 SEPTEMBER 15, 2020

1. Introductions
2. Hazard Mitigation & the Disaster Mitigation Act Planning Requirements
3. Hazard Identification and Profiles
4. Schedule
5. Questions and Answers

## Early Public Meeting –Sign-in Sheet

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR
Wendi Wilkinson	Senior Ag Env. Scientist	Homeowner Franklin Pond Area Elk Grove/ California Department of Agriculture
Gilbert Mendes		Homeowner Franklin Pond Area
Dirk Medema		City of Citrus Heights
Linda Ford		Metro Fire CERT
M. T Lorenzo-Lee		Resident Pocket Area
Spencer Eberle		Resident of Old North Sacramento
Jillian Powell		Resident
Jeanine Foster	Project Manager	Foster Morrison Consulting
Chris Morrison	Lead Planner	Foster Morrison Consulting

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**Sacramento County Invites Comments on their  
2021 Local Hazard Mitigation Plan Update!**

***HELP YOUR COMMUNITY BE HAZARD-READY!***

Sacramento County with its cities and numerous special districts is updating the Local Hazard Mitigation Plan (LHMP) looking at the risk of floods, drought, wildfires, severe weather, and other natural hazards of concern to the County. While hazards such as these cannot be prevented, a Hazard Mitigation Plan forms the foundation for a community's long-term strategy to reduce disaster losses. A FEMA-approved Hazard Mitigation Plan allows agencies to apply for pre- and post-disaster mitigation grant funding. In addition, this LHMP Update provides for lower costs of flood insurance premiums, through the National Flood Insurance Program's (NFIP) Community Rating System (CRS), to residents of Sacramento County and City of Sacramento, as the two CRS communities.

**Public Review Draft:** A Public Review Draft of the 2021 LHMP Update is available online (pdf format) at: [www.stormready.org](http://www.stormready.org). It is also available (in printed copy) at the following locations: Arcade Library, 2443 Marconi Avenue, Sacramento CA 95821, Hours: Tues – Sat 10 am to 6 pm (closed Sun and Mon).

**Email comments by August 13th to:** [Jeanine.foster@fostermorrison.com](mailto:Jeanine.foster@fostermorrison.com)

**Public and Planning Committee Meetings:** We encourage attendance and participation from the public at our upcoming virtual (Zoom) public and planning committee meetings on the Draft LHMP. Please select the time and location that works best for you:

**August 3, 2021 (Tuesday)  
Public Meeting 5:30 - 7:00 pm**

**August 4, 2021 (Wednesday)  
Planning Committee Meeting 9:00 - 11:00 am**

**For Zoom Call in information:**  
Please visit our LHMP webpage at [www.StormReady.org](http://www.StormReady.org).

**For more information:**  
Contact George Booth at [boothg@sacounty.net](mailto:boothg@sacounty.net) or call (916) 874-6484.

Ad#: 95228 — Pub: 07-23-21 07-30-21

## Final Public Meeting – Public Agenda

**AGENDA**  
**Sacramento County**  
**Local Hazard Mitigation Plan (LHMP) Update**  
**Final Public Meeting**  
**August 3, 2021**

1. Introductions
2. Status of the LHMP Update Process
3. Addressing Public Comments
4. Summary of Changes in Sacramento County Planning Area Vulnerabilities/ Mitigation Priorities
5. Public: Data/Projects
6. Next Steps

## Final Public Meeting Sign in Sheet

Name/Title	Department/Agency/Affiliation
George Booth	Sacramento County DWR
Spencer Eberle	Resident of Old North Sacramento
Chris Morrison	Foster Morrison Consulting
Jeanine Foster	Foster Morrison Consulting

### *(d) Other Public Outreach Efforts*

Effort	Description
Sacramento County LHMP Update Website	Information on the Plan update process and location of documents, and final HMPC and public meeting locations were posted on the County website. This website also included a link to the Survey. See StormReady.com
Public Outreach Flyer for Kickoff Meeting	An initial public outreach flyer was developed for the initial public and planning team kick off meetings and to use throughout the project as outreach materials.
September 1, 2020 Sacramento County Social Media Posts	Social media message on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 4, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 8, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 13, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 15, 2020 Sacramento County online Ad	Online (Sacramento County website) Ad posted the day of the LHMP Kickoff Meetings advertising the LHMP Project and the Public and HMPC Kickoff Meetings.
October 2020 – September 2021 LHMP Hazard Survey	A public survey was posted on the County’s website inviting the public to comment on how prepared both the County and individuals are for a possible natural disaster, including flood events.
December 1, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage
February 16, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage
February 17, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage

Effort	Description
November 2020 – August 2021 Digital Ads for Survey promotion	Digital ads were developed that ran through the County’s Entercom radio contract. The messages appear once a week as it’s mixed in with County Storm Ready ads. The link goes to the survey. These digital ads are geo-located and target various areas of the County at different times. The ads ran once a week.
December 20-27, 2020 Comcast Commercial for Survey promotion	A commercial was developed in both English and Spanish that ran on numerous channels throughout Sacramento County advertising the LHMP Update Survey and directing them to the StormReady.com website. The commercial appeared on 30 different channels, in 8 different areas/zones in the County and ran 840 times.
Public Outreach Flyer for the Final Public and HMPC meetings and how to submit comments on the Draft Plan	A Public Outreach Flyer was developed to advertise the final Public and HMPC Meetings and to solicit input on the Draft LHMP prior to finalization and submittal to Cal OES and FEMA.
July 28, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.
August 2, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.
August 3, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.
Public Outreach at Sacramento County Public Library, Downtown (Arcade) Location	The County placed the draft plan in the reference section at the Sacramento County Public Library, Downtown (Arcade) location. Invitations were placed on social media, the County website, and as part of the advertisements for public meetings to let the public know that the documents were there for review and input as well as in electronic format on the LHMP website.

## Sacramento County LHMP Update Website

The screenshot shows the homepage of the Sacramento County Storm Ready website. The browser address bar displays "waterresources.saccounty.net/stormready/Pages/default.aspx". The page features a dark blue header with the "Water Resources" logo and a search bar. Below the header is a navigation menu with links for "STORM READY", "SACRAMENTO COUNTY WATER AGENCY", "STORMWATER UTILITY", "RATES & FEES", "RESOURCES", and "ABOUT/CONTACT". The main content area is dominated by a large banner with the text "BE AWARE BE PREPARED" in blue and orange, and the "STORMREADY.ORG" logo. Below the banner, there is a call to action: "Help develop the 2021 Local Hazard Mitigation Plan" and "Join the Online Public Forum - September 15." with a link. A "Storm Ready" button is visible in the bottom right corner.

Date captured: 9/18/2020

The screenshot shows a page on the Sacramento County website titled "Local Hazard Mitigation Plan". The browser address bar displays "waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx". The page features a dark blue header with the "Water Resources" logo and a search bar. Below the header is a navigation menu with links for "HOW DO I...", "DRAINAGE", "WATER AGENCY", "FINANCE", and "SERVICES/TOPICS". The main content area is titled "Storm Ready" and "Local Hazard Mitigation Plan". It includes a "2021 Update" section with text about FEMA's definition of Hazard Mitigation and Sacramento County's partnership with various cities. There is a link to "LHMP information by email or text" and a "Public Review Draft" section with a link to the "Public Review Draft of the 2021 LHMP Update". A "Storm Ready" button is visible in the top right corner.

Date captured 9/16/2020



## Help Reduce Disaster Losses in Your Community by Participating in the Sacramento County Local Hazard Mitigation Plan Update

Sacramento County is developing a Local Hazard Mitigation Plan (LHMP) Update to their 2016 plan. The purpose of this LHMP Update is to assess risk to natural hazards, implement actions to reduce future losses, and maintain eligibility for federal mitigation funds in accordance with the Disaster Mitigation Act of 2000. Partners in this planning effort include the incorporated communities of the City of Sacramento, Citrus Heights, Elk Grove, Folsom, Galt, Isleton, and Rancho Cordova and many special districts throughout the County.

### *What is Hazard Mitigation?*

***Hazard mitigation means any action taken to reduce or eliminate the long-term risk to human life and property from natural hazards.***

### *Why is Natural Hazard Mitigation Important?*

Most people who live or work in Sacramento County have been affected by natural hazards in one way or another. Sacramento County and its residents are vulnerable to a variety of hazards including **floods, levee failure, drought, wildfire, and other severe weather events.**

The rising costs associated with disaster response and recovery have focused the attention of federal, state, and local governments on addressing natural hazards before they occur. Obviously, torrential rains and floods cannot always be prevented from occurring. Planning for natural hazards and implementing mitigation measures, however, can reduce the impact of such events when they do occur. Emergency response and recovery costs; property damage; personal injury and loss of life; and the overall economic and social impact on the community can all be reduced, and in some instances eliminated through natural hazard mitigation.

### *Hazard Mitigation Plan and Plan Update Process*

After securing Federal Emergency Management Agency (FEMA) mitigation grant funding, Sacramento County is using the funds to support an update of the 2016 LHMP. This LHMP Update is being developed by a Hazard Mitigation Planning Committee (HMPC) comprised of representatives from various County and City departments; neighboring jurisdictions; key federal, state, and local agency stakeholders; and the public.

The plan will address an updated list of hazards, will assess the likely impacts of these hazards to the people and assets of the Sacramento County planning area, and will also establish updated goals and prioritize projects to reduce the impacts of future disasters on people and property as well as to critical facilities and infrastructure.

Another benefit of mitigation planning is that it can also help lessen the cost of flood insurance to the residents of Sacramento County and the City of Sacramento through FEMA's National Flood Insurance Program's (NFIP) Community Rating System.

### *National Flood Insurance Program's Community Rating System*

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. As a result, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community actions in meeting the goals of the CRS Program. The reduction in flood insurance premium rates is provided according to a community's CRS classification. Sacramento County and the City of Sacramento are currently both a CRS Class 2, which provides up to a 40 percent discount on flood insurance premiums for those located within the special flood hazard area (SFHA). Participation by these communities in CRS results in over \$2.8 million in annual savings to area residents on the cost of their flood insurance premiums.

### *Opportunities for Input*

Members of the community have a very important role in this process. Planning Committee and Public Meetings will be held throughout the plan development process starting fall 2020 through summer of 2021. All interested stakeholders and members of the public are welcome to attend either of these meetings.

A draft of the LHMP Update will also be available late spring 2021 for review and comment by the public and all interested stakeholders on the County website and in select public libraries.

For more information on this project and how you can get involved, go to [www.StormReady.org](http://www.StormReady.org) or click here: <https://waterresources.sacounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>

If you have questions or for additional information, please contact the following individuals:

<b>George Booth</b>	<b>Jeanine Foster</b>
Sacramento County Department of Water Resources	Foster Morrison Consulting Ltd.
<a href="mailto:Boothg@sacounty.net">Boothg@sacounty.net</a>	<a href="mailto:jeanine.foster@fostermorrison.com">jeanine.foster@fostermorrison.com</a>

## Sacramento County Social Media Posts - September 1, 2020



**Sacramento County Department of Water Resources** ...  
Published by Hootsuite · September 1, 2020 ·

Help develop the County plan to reduce future impacts natural disasters can have on your community. Join the September 15, online public discussion on the 2021 Local Hazard Mitigation Plan. For more information on how you can be part of the solution:  
<https://waterresources.saccounty.net/.../Local-Hazard...>



**75** People Reached      **4** Engagements      [Boost Post](#)

[Like](#)      [Comment](#)      [Share](#)

## Sacramento County Social Media Posts - September 4, 2020



**Sacramento County Department of Water Resources** ...  
Published by Hootsuite · September 4, 2020 ·

Preparation for unforeseen disasters lays the groundwork for successfully coming through them if they strike. Join the online discussion Tuesday, Sept 15 about reducing the impact a natural disaster can have on Sacramento County. For more information: <https://waterresources.sacounty.net/.../Local-Hazard...>



**60** People Reached      **0** Engagements      [Boost Post](#)

[Like](#)      [Comment](#)      [Share](#)

 Comment as Sacramento County Departm... [😊](#) [📷](#) [GIF](#) [🗨️](#)

## Sacramento County Social Media Posts - September 8, 2020

 **Sacramento County Department of Water Resources** ...  
Published by Hootsuite · September 8, 2020 ·

A Local Hazard Mitigation Plan looks at the risk natural disasters can pose to the public. Join Sac County on Sept 15, for an online discussion & help develop the 2021 plan for keeping your family safe before & after disasters. For more information:  
<https://waterresources.sacounty.net/.../Local-Hazard...>



**66** People Reached      **1** Engagement      [Boost Post](#)

Like      Comment      Share

 Comment as Sacramento County Departm...

## Sacramento County Social Media Posts - September 13, 2020

 **Sacramento County Department of Water Resources** ...  
Published by Hootsuite · September 13, 2020 ·

Sac County needs you for an online discussion Tuesday, September 15 about reducing the impact a natural disaster can have on your community. Be part of a County-wide Local Hazard Mitigation forum. For more information: <https://waterresources.saccounty.net/.../Local-Hazard...>



65 People Reached      6 Engagements      [Boost Post](#)

 3

# BE AWARE BE PREPARED

SACRAMENTO COUNTY

STORMREADY.ORG

Be part of an online discussion about reducing the impact of Natural Disasters in Sacramento County.

Tuesday, September 15  
Local Hazard Mitigation Plan Forum  
1:30 p.m. and 6 p.m.

- No Special Background Required
- Help develop a county-wide strategy for reducing potential for disaster losses.

Learn more about the Local Hazard Mitigation Plan or sign up for the online public discussion at [www.stormready.org](http://www.stormready.org).

# Sacramento County LHMP Survey – Posted from October 2020 – September 2021

**Online Survey**  
In addition, the public is invited to participate in an [online survey on hazards and hazard mitigation](#).

**Additional Information**

- > [View the 2021 LHMP Presentation](#)

For more information on this project and how you can get involved, contact George Booth, Sacramento County Department of Water Resources (DWR) at [boothg@saccounty.net](mailto:boothg@saccounty.net).

- > [2021 LHMP Update Informational Flyer](#)
- > [2020 LHMP Mitigation Status Annual Report](#)
- > [2016 LHMP Report](#)

**Progress Reports**

The National Flood Insurance Program (NFIP) has been available in Sacramento County since 1979, allowing access to flood insurance for property owners, tenants, and businesses. In 1992, the County joined the NFIP's Community Rating System (CRS) (Resolution 92-0250). The CRS is a voluntary incentive-based program that recognizes and encourages communities to exceed the FEMA minimum floodplain management standards and rewards communities with discounted flood insurance premiums.

The CRS uses a ranking system from ten to one. Nationally, there are 1444 communities participating in CRS, the 2017 FEMA Fact Sheet describes the significance of Sacramento County's participation (Attachment 1). Since 1992, Sacramento County has steadily improved its rating and is now a Class 2 which provides property owners, tenants, and businesses up to a 40% discount on flood insurance premiums.

In order to maintain this Class 2 rating, Sacramento County is required to provide annual reporting on:

- > Program For Public Information
  - > PPI Annual Progress Report (coming soon)
- > Repetitive Loss Area Analysis
  - > [2015 RLAA](#)

Date captured: 9/29/2021

## LHMP Hazard Survey Social Media Outreach - December 1, 2020



**Sacramento County Department of Water Resources**  
Published by Hootsuite · December 1, 2020 ·

Help develop the County plan to reduce future impacts natural disasters can have on our community. Take the 2021 Local Hazard Mitigation Plan Survey at [www.stormready.org](http://www.stormready.org).



**46** People Reached      **0** Engagements      [Boost Post](#)

[Like](#)      [Comment](#)      [Share](#)

 Comment as Sacramento County Departm...      [😊](#)      [📷](#)      [GIF](#)      [🗨️](#)

## Sacramento County Social Media Posts - February 16, 2021



**Sacramento County Department of Water Resources**  
Published by Hootsuite · February 16 at 1:10 PM

Join the Sacramento County Department of Water Resources tomorrow from 1:30 to 4pm, for the second of five virtual Hazard Mitigation Planning Committee Meetings. Review our area's natural hazard risk data, & provide feedback for the 2021 Local Hazard Mitigation Plan Update. Go to [Stormready.org](https://stormready.org) for more about the meeting.



 **Reach More People With This Post** ×

You could reach up to 407 people daily by boosting your post for \$10.

**90**  
People Reached

**8**  
Engagements

**Boost Post**

 **2**

**1 Comment**

## Sacramento County Social Media Posts - February 17, 2021



**Sacramento County Department of Water Resources** ...  
Published by Hootsuite  · February 17 at 10:45 AM · 

Join us today @ 1:30pm for our second virtual Hazard Mitigation Planning Committee Meetings. Review the natural hazard risk data, & offer feedback for the 2021 Local Hazard Mitigation Plan Update. Go to [Stormready.org](https://stormready.org) & click Local Hazard Mitigation Plan Conference Call.





**Reach More People With This Post** ×  
You could reach up to 354 people daily by boosting your post for \$10.

25  
People Reached

2  
Engagements

[Boost Post](#)

Sacramento County Digital Ads for Survey Promotion - November 2020 – August 2021



A horizontal banner advertisement. On the left is the Storm Ready logo, which is a circular emblem containing an umbrella over a house with the text 'STORMREADY.ORG' around the perimeter. To the right of the logo, the text 'BE AWARE' is in large white letters and 'BE PREPARED' is in large blue letters. Further right, white text on a dark blue background reads: 'Have concerns about potential natural disasters in Sacramento County? Take the survey to help residents better prepare!'. On the far right is the Sacramento County logo and an orange button with the text 'TAKE SURVEY' in white.



A vertical banner advertisement. At the top is the Storm Ready logo. Below it is a photograph of a house under a cloudy sky. The text 'BE AWARE' is in large white letters and 'BE PREPARED' is in large blue letters. Below the photo, white text on a dark blue background reads: 'Have concerns about potential natural disasters in Sacramento County? Take the survey to help residents better prepare!'. At the bottom is an orange button with the text 'TAKE SURVEY' in white, and the Sacramento County logo.



Public Outreach Flyer for the Final Public and HMPC meetings and how to submit comments on the Draft Plan - July 28, 2021



## Help Reduce Disaster Losses in Your Community by Participating in the Sacramento County Local Hazard Mitigation Plan Update

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### *Hazard Mitigation Plan and Plan Update Process*

After securing Federal Emergency Management Agency (FEMA) mitigation grant funding, Sacramento County is using the funds to support an update of the 2016 LHMP. This LHMP Update is being developed by a Hazard Mitigation Planning Committee (HMPC) comprised of representatives from various County and City departments; neighboring jurisdictions; key federal, state, and local agency stakeholders; and the public.

The plan addresses an updated list of hazards, assesses the likely impacts of these hazards to the people and assets of the Sacramento County planning area, and establishes updated goals and prioritizes projects to reduce the impacts of future disasters on people and property as well as to critical facilities and infrastructure.

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### *Opportunities for Input*

Members of the community have a very important role in this process. A draft of the LHMP Update is available for review and comment by the public and all interested stakeholders on the County website at: <https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>. It is also available (in printed copy) at the following location:

Arcade Library  
2443 Marconi Avenue, Sacramento CA 95821  
Hours: Tues – Sat 10am to 6pm (closed Sun and Mon)

A public meeting on the Draft Plan is scheduled for Tuesday August 3, 2021 from 5:30 – 7:00 pm (via Zoom) and final planning committee meeting will be held Wednesday August 4, 2021 from 9:00 – 11:00 am (also via Zoom). All interested stakeholders and members of the public are welcome to attend either of these meetings.

### **Online Survey**

In addition, the public is invited to participate in an online survey on hazards and hazard mitigation in Sacramento County at StormReady.org and follow the link to Local Hazard Mitigation Plan, 2021.

For more information on this project and Zoom information for the upcoming meetings, go to the LHMP webpage at [www.StormReady.org](http://www.StormReady.org) or click here: <https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>. If you have questions or for additional information, please contact the following individuals:

<b>George Booth</b>	<b>Jeanine Foster</b>
Sacramento County Department of Water Resources	Foster Morrison Consulting Ltd.
<a href="mailto:Boothg@saccounty.net">Boothg@saccounty.net</a>	<a href="mailto:jeanine.foster@fostermorrison.com">jeanine.foster@fostermorrison.com</a>

## Sacramento County Social Media Post - July 28, 2021

**Sacramento County Department of Water Resources**  
Published by Hootsuite · July 28 ·

Join the Sacramento County Department of Water Resources August 3 from 5:30 pm to 7 pm, for our last virtual meeting about our Local Hazard Mitigation Plan (LHMP) meeting. Go to [Stormready.org](https://Stormready.org) to learn more & review the draft 2021 LHMP plan.



**BE AWARE  
BE PREPARED**

SACRAMENTO COUNTY  
SACRAMENTO COUNTY STORMWATER UTILITY | DEPARTMENT OF WATER RESOURCES

**STORMREADY.ORG**

**Get More Messages for Sacramento County Department of Water Resources**  
You can add a Messenger button to your post to get more messages for Sacramento County Department of Water Resources.

36 People Reached      3 Engagements      [Boost Post](#)

1

Like      Comment      Share

Comment as Sacramento County Departme... 📷 📹 🗨️

## Sacramento County Social Media Post – August 2, 2021

The image is a screenshot of a Facebook post from the Sacramento County Department of Water Resources, published on August 2, 2021. The post text invites users to a virtual meeting for the Local Hazard Mitigation Plan (LHMP) on the following night from 5:30 pm to 7 pm, and directs them to [Stormready.org](http://Stormready.org) for more information and to review the draft 2021 LHMP plan. The post includes a graphic with the text "BE AWARE BE PREPARED" and the "STORMREADY.ORG" logo. Below the graphic is a notification to add a Messenger button. The post shows 24 people reached and 2 engagements, with a "Boost Post" button. Interaction options for Like, Comment, and Share are visible, along with a comment input field.

**Sacramento County Department of Water Resources**  
Published by Hootsuite · August 2 · 🌐

Join the Sacramento County Department of Water Resources tomorrow night from 5:30 pm to 7 pm, for our last virtual meeting about our Local Hazard Mitigation Plan (LHMP) meeting. Go to [Stormready.org](http://Stormready.org) to learn more & review the draft 2021 LHMP plan.

**BE AWARE  
BE PREPARED**

**STORMREADY.ORG**

SACRAMENTO COUNTY STORMWATER UTILITY | DEPARTMENT OF WATER RESOURCES

**Get More Messages for Sacramento County Department of Water Resources**  
You can add a Messenger button to your post to get more messages for Sacramento County Department of Water Resources.

24 People Reached      2 Engagements      **Boost Post**

👍 Like      💬 Comment      ➦ Share

Comment as Sacramento County Departme... 🗨️ 📷 🎬 🗑️

## Sacramento County Social Media Posts - August 3, 2021

 **Sacramento County Department of Water Resources** ...  
Published by Hootsuite · August 3 ·

Join the Sacramento County Department of Water Resources tonight from 5:30 pm to 7 pm, for our last virtual meeting about our Local Hazard Mitigation Plan (LHMP) meeting. Go to [Stormready.org](https://Stormready.org) to learn more & review the draft 2021 LHMP plan.



**BE AWARE  
BE PREPARED**

**STORMREADY.ORG**

SACRAMENTO COUNTY STORMWATER UTILITY | DEPARTMENT OF WATER RESOURCES

 **Get More Messages for Sacramento County Department of Water Resources** ×  
You can add a Messenger button to your post to get more messages for Sacramento County Department of Water Resources.

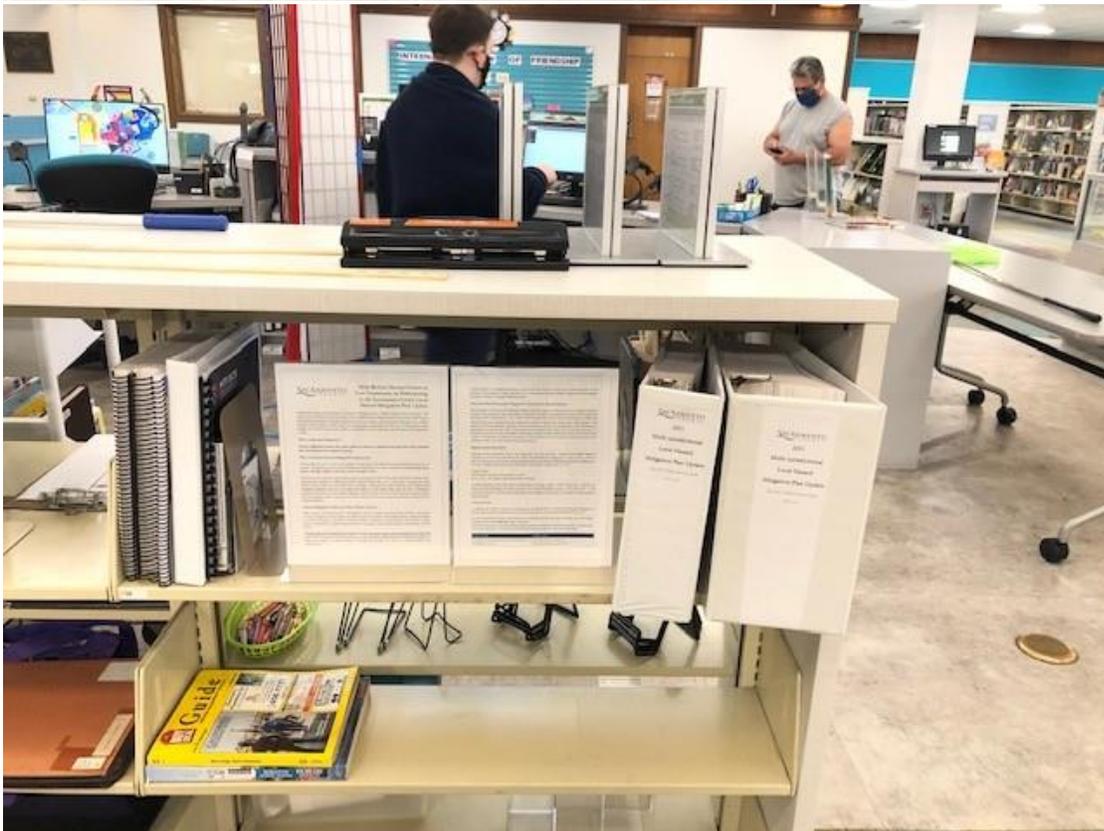
36 People Reached      1 Engagement      [Boost Post](#)

 1

 Like       Comment       Share

 Comment as Sacramento County Departme...    

## Public Outreach at Sacramento County Public Library, Downtown (Arcade) Location



## LHMP Survey

An integral element in hazard mitigation planning is broad public participation. Information provided by residents fosters a better understanding of local hazard concerns and can spawn innovative ideas to reduce impacts of future hazard events. A public opinion survey was accomplished to gather information from Sacramento County Planning Area residents concerning local hazards. The survey was located on the County's LHMP website and survey participation was promoted through public meetings, program websites, press releases, social media, digital ads, and a Comcast commercial, as previously described. Following is a summary of survey results.

- 190 individuals took the survey.
- 51 out of the 190 people who responded were extremely concerned about the possibility of the community being affected by a disaster.
- Wildfire, drought, flood, and levee failure were hazards of greatest concern.
- 52 out of 183 respondents noted that their house was in a floodplain, 50 out of 183 didn't know if their home was in a floodplain.
- 85 out of 182 respondents noted that their house was protected by a levee, 31 out of 183 didn't know if their home was protected by a levee.
- 87 out of 181 respondents had experienced a natural disaster.
- TV, email, direct mailings, and social media were the best choices to reach the public regarding disaster information and making homes more disaster resistant.

## Public Comments Received and How Addressed

Comment Date	Person Commenting	Method Received			Comments	How addressed?
		Email	Phone	Written		
6/23/2021	Tom Monahan	X			<p>Hi Jeanie,            You may recall my concerns about Sacramento disaster planning for urban fires. Attached is a copy of a front page article in today's Sacramento Bee about how homeless camp fires could readily spread to neighborhoods. The paper also includes an opinion piece (not attached) called 'American River Parkway lost to indifference' by Marcos Breton. I fear that with the extensive drought, the indifference to potential fires goes way beyond just the Parkway.            Thanks again for all of your efforts to try to plan for all the disasters we may face.            Tom Monahan</p>	Items sent were incorporated into the Risk Assessment for wildfire as well as in the Mitigation Strategy.

5/25/2021	Ann Kohl	X		<p>Jeanine, This extensive and impressive report appears to be the draft for Mitigation Strategy Development for the City of Citrus Heights. I may have missed the draft for the Arden Arcade and Carmichael areas. Please send me the 2016 drop box base information, as well as any updates now available for Mitigation Strategy Development and risk assessment for the Arden Arcade Carmichael Communities. I would also appreciate it if you would identify under Subject, the specific communities involved, so we can easily identify the information provided. Questions: Is there coordination now with the County and cities on their Climate Action Plans? Unfortunately I have lost track of where we are in the LHMP Update process. Is there a revised calendar for when your firm will be releasing drafts of specific Local Hazard Mitigation Plans, and receive back comments? When do you anticipate that the draft for the overall Sacramento area will be available and open to receive public comments? Is there an revised estimate as to when the draft LHMP Update will go to the BOS? Thanks for keeping me in the loop. Ann</p>	<p>Hi Ann, Sorry for the delay in my response. I have had your email up since last week. You are correct, this is a large report. A couple of items to note: It is actually individual jurisdictions that are participants to the LHMP based on FEMA requirements as to who is eligible. They must be an independent jurisdiction, with their own governing board. Thus the County, all the cities, and many special Districts are participants to this LHMP for a total of 32 participating jurisdictions. The list is provided at the end of this email. So, "areas" are not eligible to "participate" under this LHMP, but would fall within the jurisdiction where they are located. That said, the flood issues within the Arden Creek and Carmichael areas are mostly captured within the unincorporated County. The Hazard Risk Assessment for the County and the Sacramento County Planning Area are included in Chapter 4 of the Base Plan. With respect to information on your areas of interest, there is information on past occurrences/flood issues based on input received. I would also suspect, that there are other areas within the flood risk assessment of the LHMP that address the areas without naming them specifically, based on data received from different sources. For example, in Chapter 4, issues specific to Arden Creek and Carmichael areas is mostly found in the Past Occurrences sections of Chapter 4. I saw reference to past issues on pages 4-92, 4-216, 4-77 and 4-276. This LHMP is really a big picture document reflecting the totality of the hazards in each participating jurisdiction; it should not be thought of as a detailed study of any one area, which are generally done through other planning and design mechanisms. The dropbox link to access all of these 2021 documents is in the below email. There is not an active dropbox location for the 2016 LHMP, although you can still access it on the County's Storm Ready website: This project is currently in the internal Planning Committee Draft review stage, which is why you received this email. A public review draft will be going out in July; there will be a public and final planning committee meeting in August and the 2021 LHMP Update is on schedule to go to Cal OES and FEMA for review and approval in September. As far as you question on the Climate Action Plan Coordination between the County and cities, I am not in the loop on that. I do know that in February, the County provided a draft of their updated Climate Action Plan. This LHMP project is done with the primary focus of providing FEMA eligibility for mitigation grant funding as well as developing information on the Risk and Vulnerability of the Sacramento County Planning Area and its participating jurisdictions to various natural hazards. Again, that said, it is intended to be a high level document to meeting FEMA requirements for an approved LHMP, and doesn't drill down to all the individual issues; although, possible mitigation measures can certainly focus on more detailed areas. Thanks for reaching out. Hope that helps.</p>
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Comment Date	Person Commenting	Method Received			Comments	How addressed?
		Email	Phone	Written		
4/13/2021	Wendy Wilkinson	X			<p>Hi Jeanine and George,</p> <p>I'm going over the voting and have two questions.</p> <p>Is my house included in this category: Implement Delta Small Communities (flood risk reduction plan for the communities of Hood, Courtland, Locke, Walnut Grove East, and Walnut Grove West/Ryde)</p> <p>Do you have a description of what this is?</p> <p>Also, what does RD stand for? In the category: Delta RDs – address internal drainage issues</p> <p>Thank you, Wendi</p>	<p>Hi Wendi,</p> <p>I will answer the second question. RD stands for Reclamation Districts – we have many RDs participating in this LHMP. As far as your first question, I will defer to George. I am not entirely sure where your house is and he is the one running the Delta Small Communities projects. In general, the Delta Small Communities project is being done for the five communities listed below. One of the goals is to identify various flood control options for the protection of those communities.</p> <p>I hope that helps. Again thanks for being part of the LHMP process and let me know if you have additional questions.</p> <p>Jeanine Foster</p>

2/22/2021	Ann Kohl	X		<p>Jeanine,          Appreciate your getting back to me regarding my question as to the omission of the 1960 season flood records. See attached pictures from 1960's flood. These attached pictures were taken inside the Roxburgh home (2719 Laurel Dr.) in 1960. Al is standing in the water. I remember vividly that flood, since we had just moved into our new home along the Sierra Branch of the Strong Ranch Slough and were the Roxburgh's neighbors.</p> <p>Al Roxburgh provided extensive historical records of flooding both before and after Folsom Dam. His family was one of the original residents living along the Sierra Branch of the Strong Ranch Slough, and Al wrote a history of the neighborhood. I have his correspondence and records.</p> <p>Their home with its extensive flood plain and water retention area has just sold.</p> <p>The pictures were were on display, along with the attached County Study Map of the Sierra Branch, at the SOV neighborhood's fall annual meeting. They should be in the County DWR records.</p> <p>There was severe general flooding that 1960-1961 winter season. Even with the Folsom Dam I recall that levees went down in the Delta, the agricultural open space at H Street bridge was flooded, our neighborhood roads flooded and we couldn't get out. Fair Oaks Blvd. at Monroe wasn't passable, and</p>	<p>Pictures and documents were used to discuss that section of river, as well as past occurrences of flooding.</p>
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				<p>the flood water over our yard was well over 2 feet, within 1 foot of our living room. The Sierra Branch was over its banks. Its flood plain and water retention areas were inadequate to handle the drainage or the severity of the storm and volume of rain water. Backflow came into the neighborhood as the American River was at capacity and the pumps at the levee were turned off.</p> <p>Also attached is the Roland Brady consultant's geology report, which discusses the Sierra Branch and has recommendations. There is also a lot of information on the concerns of individual residents with the impacts from new construction flooding lower neighbors. This is due to the increase in impervious surface area, builders scraping vegetation and grading lots prior to construction and elimination of water retention areas. This heightens FEMA risks for flooding.</p> <p>Is it possible for mitigation to require Title Companies, at point of sale, to reveal the risk of flooding for the parcel being sold, so new buyers know their specific hazard for future flooding.</p> <p>FEMA flood insurance might be required at point of sale and expand those with flood insurance, perhaps reducing the cost for all those carrying the insurance.</p> <p>Two requests: Please send the power point that you presented at the zoom meeting. The</p>	
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Comment Date	Person Commenting	Method Received			Comments	How addressed?
		Email	Phone	Written		
					<p>information was impressive and I wanted to share it with park districts, the SOVNA Board members and others. Also can you provide a link to the grants by FEMA and others that you cited?</p> <p>Sending my best wishes and looking forward to receiving materials for the March meeting.</p> <p>Ann Kohl, Arden Arcade Sierra Branch Network</p>	

2/19/2021	Tom Monahan	X		<p>Thank you for notifying me about your February 17, 2021 LHMP Risk Assessment Update (Zoom) Meeting, which I found to be informative about the status of current Sacramento County disaster planning. I am writing as a member of the general public, residing in the City of Sacramento, in response to your plea in that meeting for comment on the planning to date. My main disaster planning concern is in regard to the prospect of urban wildfires, such as have occurred in recent times in Northern California. More specifically, I am concerned that possibly climate driven increases in the number and severity of wind events could lead to more devastating wildfires in the canopy of trees common in many densely populated areas – such as the City of Sacramento, which is known as the ‘City of Trees.’</p> <p>In the material presented in your Risk Assessment meeting, I briefly noted the wildfire map for the county, which identified almost all of the perceived risk (in yellow) to be in the more non-urban eastern portions of the county – with, if I saw correctly, a tiny sliver of yellow along the American River. There did not appear to be any indication of risk to any of the cities in the county. That could be a significant oversight. During the heat, winds and fires of last August through October, I</p>	<p>Hi Tom,</p> <p>As I am working on sending a follow up to the Mitigation Strategy for the Sacramento County LHMP. I wanted to thank you for your input. I believe most of your items were addressed either in the wildfire risk assessment that you will see included in the updated LHMP as well as in the proposed mitigation action items.</p> <p>Specifically, based on your annotated input, the following is addressed:</p> <p>WF-1 - Map and Assess Vulnerability to Wildfire: Wildfire hazard areas are identified in the updated Chapter 4 Risk Assessment for the entire Sacramento County Planning Area and specific to each participating jurisdiction. While it is not a scenario based assessment, potential loss estimates, key impacts and vulnerabilities are included in the wildfire risk assessment.</p> <p>WF-2 – Incorporate Wildfire Mitigation Into the Comprehensive Plan: Key wildfire risk assessment data, policies, and recommendations for addressing wildfire risk are integrated into the County and City General Plans and to some extent in the County and City Emergency Operation Plans. Cal Fire requires incorporation into the General Plan for any community that has areas located within the Very High Fire Hazard Severity Zone.</p> <p>WF-6 – Structure and Infrastructure Projects: You are correct that retrofitting at-risk structures with ignition resistant materials is generally cost prohibitive in an urban area. There is a proposed action to consider this approach for critical facilities and other at-risk structures, but it likely will be difficult to implement on a larger scale</p> <p>WF-7 – Create Defensible Space around Structures and Infrastructures: This is also an important strategy. The County and Cities all have some type of vegetation management and defensible space ordinance that is intended to address these issues. Enforcement of these requirements have always been the issue. This will continue as a mitigation strategy in this LHMP.</p> <p>WF-8 – Conduct Maintenance to Reduce Risk. Your idea of: Routinely inspect and repress the use of open fires among homeless encampments – particularly during periods of high winds during dry seasons. This is a great idea, and one that is implemented on a more informal basis. It is recognized that homeless camps contribute to ignitions.</p> <p>WF-9 – Implement a Fuels Management Program: Yes, this is being implemented by fire districts throughout Sacramento County at an urban scale. It is also part of the mitigation strategy for this LHMP.</p> <p>WF-10 – Education and Awareness Programs/FireWise Communities: This mitigation strategy is most often found in areas with a significant Wildland Urban Interface (WUI) areas. The concept of forming neighborhood groups to conduct education and mitigation in specific neighborhoods is a good one, but not likely to gain much traction in</p>
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				<p>recall several or more days of winds in Sacramento gusting to 40mph, or more, through treetops and across leaf piles, dry grass and other potentially combustible materials. At times, it appeared to me that even an ill-timed spark from a BBQ, an electrical wire or any other source could potentially spread and grow rapidly – possibly reaching the tree canopy above, and intensifying. In that same time period, I have also bicycled along the American River pathway. The area is populated with numerous homeless camps scattered among the trees and dry brush. The number of people and the large and continual food preparation that takes place in those areas would appear to be a significant potential wildfire threat. I have seen open fires throughout that area and, in a strong wind, a wildfire could seemingly easily spread to the canopy of trees – and even cross the river.</p> <p>When these concerns first came to my attention, I attempted to contact the City of Sacramento through its 311 service system (inquiry #200910-208660) – from which I was subsequently referred to the City Urban Forestry Department, and later to the Fire Department. In neither case was I able to find anyone who could speak knowledgeably to me about planning or preparations to contend with urban</p>	<p>Sacramento County, unless there is an area or two where neighborhood groups are willing to take on the effort. I don't see this being viable in Sacramento County.</p> <p>WF-11 &amp; WF-12– Increase Wildfire Risk Awareness/Educate Property Owners: This is always an effective approach to wildfire mitigation in all areas. It will be part of the Public Outreach efforts countywide and for all jurisdictions.</p> <p>Again, thank you for taking the time to provide input. I do believe that given the regional wildfires in California over the last several years, the urban wildfire issue is becoming a greater concern and will be reflected as such in the updated LHMP.</p> <p>Jeanine Foster</p>
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Comment Date	Person Commenting	Method Received			Comments	How addressed?
		Email	Phone	Written		
					<p>wildfires. It was not until I contacted my City Councilman, Jay Schenirer's office directly, that I was referred to your disaster planning process.</p> <p>From your Risk Assessment meeting, I understand that the City of Sacramento, as with all jurisdictions, would need to have mitigation action plans in order to be included in the planning process, and to be recognized by FEMA. I also understood that the responsibility for the creation of such plans is local responsibility which, I presume, means at the discretion of each individual jurisdiction. Yet, having already made several calls and other contacts in regard to potential urban wildfire planning, my comments here represent my latest and best effort to direct attention to the need for planning in that regard.</p> <p>My hope is that, by offering these comments about your risk planning efforts, more thorough attention will be directed to risks and potential mitigations for urban wildfires in the County, the City of Sacramento (and its other urban jurisdictions) – thereby helping to prevent some future urban wildfire(s.) Again, thank you for the opportunity to present these concerns.</p>	

2/17/2021	Ann Kohl, Chris Tooker, Steve Fishbein, Anne Del Core	X		<p>All, Jeanine is the consultant on the County's (FEMA required) Update of its Risk Assessment Plan. The third meeting is today at 1 PM. See below for the notification and invite to attend today's meeting and submit your comments.</p> <p>The Arden Arcade Sierra Branch Committee submitted a safety request at the second meeting as we are alarmed that the Sierra Branch of the Strong Ranch Slough is not now included in the County's ALERT system for flooding. Therefore residents living along the two tributaries of the Sierra Branch do not receive advance warning of flash floods.</p> <p>We have requested that the Sierra Branch be monitored and included in the ALERT system. Also we have requested a civil defense plan be developed to notify residents with lots, streets, streams and creeks subject to flooding where to go when we need to move to higher ground.</p> <p>Roads (Morse, Fulton at Monroe, Joseph, Jonas, Northrop, Sierra Blvd., Laurel Dr., Crocker, Adams, etc. ) historically have not been passable when we have had approximately 2" of rain in 12 hours and with general flooding. Climate Change projections are that the Sacramento area will have more years of drought and then short periods of intense rain storms. The American and Sacramento Rivers</p>	Meeting was attended by some of these residents.
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Comment Date	Person Commenting	Method Received			Comments	How addressed?
		Email	Phone	Written		
					<p>may in the future be at capacity and local drainage pumps turned off causing back flow into our neighborhoods. SOV resident experienced significant flooding in 1960, 1986, 1997 and 2017 and many of us who were here then carry FEMA flood insurance. (Title insurance doesn't doesn't seem to provide this historical flooding information to new buyers.) Three neighbors reported that they received notification from FEMA that their flood insurance was available to help them finance raising their homes. Hope that some SOV residents can attend today's meeting.</p> <p>Ann Kohl</p>	

10/27/2020	Supervisor Susan Peters; Chris Tooker; Mary Swisher; Jenny Smith; Beth McClure; Barbara Gardner and Dohald Thornberry; Lois Kerr; Mike Grace Sara Hunt; Sara Lu and Zane Vorhes; Karen and Dennis Loheit; Anne Bowlus; Norm and Sue Poppon; Will Roxburgh; Kitty Sorrells; Henry and Darleen Saunders; Kenneth Noack; Rob Burness; Roland Brady; Gregg Fishman; Terri Townsend; Ted and Lauri Defazio	X		<p>In the update presently underway we are seeking assurance that the County Alert system for flooding will monitor and include the Sierra Branch of the Strong Ranch Slough. Presently it does not. See the DWR County study map of the Sierra Branch's two tributaries for recent history of flooding.</p> <p>I received the DWR "Be Storm Ready!" mailer. It does include a lot of very valuable information. Please email me a copy and I will send it again to all my neighbors on the Sierra Branch Committee.</p> <p>Our neighborhoods are presently seeing significant changes in drainage with all the new construction and renovations, with the decrease in impervious surface area and diminished floodplains and water retention areas. We need for there to be information included from the County DWR that all owner's are required to get permits for any new construction and renovations.</p> <p>Impervious surface area must be limited and not be increased. Those of us lower in the watershed's natural drainage system, or even next door, are now being flooded from storm water runoff with new construction and renovation projects. We need for the County DWR to monitor permits pulled by owners for their projects, so that their stormwater runoff will be retained on site.</p>	<p>Their comment was acknowledged and was circulated to the County. With respect to the permit process, it was confirmed that there is a permit process with specific requirements to address stormwater issues that must be followed in any development project.</p>
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### A.3 Sacramento County Step 3: Coordinate (with other Agencies)

This planning step credits coordinating with other agencies and key stakeholders and incorporating other plans and other agencies' efforts into the floodplain management plan or LHMP. Other agencies and organizations were contacted to determine if they have studies, plans and information pertinent to the floodplain management plan, to determine if their programs or initiatives may affect the community's program, inviting them to participate in the planning process, and otherwise asking them to support the community's efforts in this LHMP Update. Coordination efforts with these other agencies are documented in Table A-3 below and as detailed throughout the LHMP Update, specifically in Chapters 3 and 4, as well as in Appendix B, references.

*Table A-3 List of Agencies and Key Stakeholders Coordinated with Through the 2021 LHMP Update Process*

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
CA DWR/ Michael Gill	10/28/2020		X			Obtained NFIP Community Information System Data to support the LHMP Update process
CA DWR/ Sami Nall	11/10/2020		X			Obtained input on DSOD dam data to support the LHMP process and inviting input to the process
California Dept of Conservation	11/6/2020	Website request	X	X		Williamson Act data
California Dept of Conservation	11/13/2020		X	X		Williamson Act data and other important farmland
National Weather Service/ Michelle Mead	12/7/2020		X			Checked in with NWS to determine any new data sources for weather to support the LHMP update

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
City of Citrus Heights/Jason Baldwin, Police Lieutenant	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Citrus Heights/Kris Frey, Police Lieutenant	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Elk Grove/Jamie Hudson, Real-Time Info Supervisor	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Folsom/Rick Hillman, Police Chief	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Galt/ Brian Kalinowski, Div. Commander Galt PD	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Rancho Cordova/ Todd Humphrey, Facilities Manager	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Rancho Cordova/ Tim Watson, Facilities Manager staff	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Law Agencies/Mark Cherry, Sergeant Sac Sheriff	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Fire Districts/Charles Jenkins, Assistant Chief, SMFD	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Fire Districts/Tyler Wagaman, Assistant Chief, SMFD	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Flood Control and Reclamation District/Lennard Bravo, Associate Civil Engineer	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Flood Control and Reclamation District/Rodney Goss, Senior Civil Engineer	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Water Districts/ Steve Pimentel, DWR Sr. Civil Engineer	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Utility Districts/ Kyle Broyhill, Emergency Preparedness Specialist II SMUD, Vice Chairperson	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Utility Districts/ Antoinette Benson, SMUD Project Manager II	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Public Health/ Olivia Kasirye, DHHS Public Health Officer	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Public Health/ Brian Aiello, DHHS Sr. Health Program Coordinator	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Non-governmental organizations/ Holly Brown, Program Manager Hands on Sacramento	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Non-governmental organizations/ Lynn Pesely, MRC	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento County Coroner/ Kimberly Gin, Sac County Coroner	7/28/2021	Sacramento Operational Area Council Outreach email via County OES	X			Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Metro Fire/ Robert Bruce	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Metro Fire/ Randall Hein	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Sacramento Metro Fire/ Maurice Johnson	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Child Action Inc./ Carmela Garcia	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Child Action Inc./ Jennine Greenwell	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
211 Sacramento/ Laurie Simon	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Cal OES/Lindsey Stanley	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
California Department of Development Services/ Tamara Rodriquez	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
California Highway Patrol/ Robin Johnson	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento City Unified School District/ Miamah Reed	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Sacramento City Unified School District/ Victoria Flores	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento County Office of Education/ Joelle Orrock	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Yolo County/ Douglas Brim, EMS Coordinator	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
SMUD/ Patrick Durham	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
The Regional Center for Volunteerism- Hands On Sacramento and the Sacramento region Emergency Food & Shelter Program/Community Link Capital Region/ Valeri Mihanovich	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento-Yolo Mosquito and Vector Control District/ Gary W Goodman, Manager	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Native American Health Center, Sacramento/ Britta Guerrero, CEO	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Food Bank/JR Hine	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
FBI/DF Dewall	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Air Quality Management District/ J Arno	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Air Quality Management District/ M Loutzenhiser	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
Sacramento Air Quality Management District/ J Chan	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

Agency Name/ Contact	Date	Mechanism	Contacted via Mail/email	Contacted via Phone	Contacted Face-to Face/Virtual Meeting	Topics Discussed
Sacramento Air Quality Management District/ J Arno	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Sacramento Fire Department/R Potter	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
City of Sacramento Fire Department/JM Sirney	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft
California Highway Patrol/VT Goonis	1/28/2020 & 7/29/2021	Public Health Emergency Preparedness (PHEP) Partnership Meeting (1/28/20) and PHEP Outreach email (7/29/21)	X		X	In 2020, informed the group that the LHMP Update was soon to be initiated/Solicited input on the Sacramento County LHMP Update Public Review Draft

**CA DWR/Michael Gill**

**From:** Gill, Michael@DWR <Michael.Gill@water.ca.gov>  
**Sent:** Wednesday, October 28, 2020 2:06 PM  
**To:** Jeanine Foster <jeanine.foster@fostermorrison.com>  
**Subject:** RE: NFIP community data request

Hi Jeanine,

I have attached the CIS information of the nine communities that were requested below. If you need anything else please let me know.

Thank You,

Michael Gill  
*Engineer, Water Resources  
Community Assistance Section  
Office of Floodplain Management  
Division of Flood Management  
CA Dept. of Water Resources  
Office: 916-574-1471  
Mobile: 916-261-2582*

## California Dept of Conservation

Good Morning,

Your request for Williamson Act data was forwarded to me.

Due to the lack of city and county reported enrollment data, the Department of Conservation does not host Williamson Act enrollment maps and/or data. For the most current and up to date information on the status of Williamson Act contracted parcels the Department suggests that interested parties contact the city or county in which the property resides. As you know the Williamson Act allows local landowners to enter into contracts with cities and/or counties, and as such, the participating city/county must retain a copy of each contract and therefore should have a record of each contracted parcel within its jurisdiction.

Sincerely,



### Farl Grundy

Associate Environmental Planner  
Division of Land Resource Protection  
Williamson Act / CEQA

#### California Department of Conservation

801 K Street, MS 14-15, Sacramento, CA 95814

T: (916) 324-7347

E: [Farl.Grundy@conservation.ca.gov](mailto:Farl.Grundy@conservation.ca.gov)



## California Dept of Conservation

**From:** Kisko, Kerri@DOC <Kerri.S.Kisko@conservation.ca.gov>

**Sent:** Friday, November 13, 2020 5:45 PM

**To:** Chris Morrison <chris.morrison@fostermorrison.com>

**Subject:** RE: Release of documents

Chris,

I have finished updating all the documents for Placer (2016), Sacramento (2018), Sutter (2018), and Yuba (2018). I have not had time to update the links on the website yet, but I didn't want you to have to wait until next week.

I have attached the documents that meet the Accessibility Standards for publishing. These include: Prime & Statewide Soils Lists (Sacramento\_gSSURGO.pdf, Sutter\_gSSURGO.pdf, and Yuba\_gSSURGO.pdf); Land Use Summary Tables (SAC\_1988\_2018.xlsx, SUT\_1988\_2018.xlsx, and YUB\_1988\_2018.xlsx); and Alternate Conversion Tables (Alternate\_Sacramento\_County\_2016-2018\_Land\_Use\_Conversion.pdf, Alternate\_Sutter\_County\_2016-2018\_Land\_Use\_Conversion.pdf, and Alternate\_Yuba\_County\_2016-2018\_land\_Use\_Conversion.pdf).

Several of our documents are not currently ADA compliant for the web due to time constraints and/or complexity. These documents are available through our File Request System. I have included the links to these documents below:

Placer County 2016:

(Placer 2014-2016 Conversion Table) placon16.xls:

<https://filerequest.conservation.ca.gov/RequestFile/2817629>

(Placer Prime & Statewide Soils List) Placer\_gSSURGO.pdf:

<https://filerequest.conservation.ca.gov/RequestFile/2817748>

(Placer Land Use Summary Table) PLA\_1984\_2016.xls:

<https://filerequest.conservation.ca.gov/RequestFile/2817823>

(Placer 2016 PDF Map) Pla16.pdf:

<https://filerequest.conservation.ca.gov/RequestFile/2816267>

Placer County Important Farmland Metadata.docx:

<https://filerequest.conservation.ca.gov/RequestFile/2816268>

Sacramento County 2018:

(Sacramento 2016-2018 Conversion Table) saccon18.xlsx:

<https://filerequest.conservation.ca.gov/RequestFile/2817662>

(Sacramento 2018 PDF Map) sac18.pdf:

<https://filerequest.conservation.ca.gov/RequestFile/2816273>

Sacramento County Important Farmland Metadata.docx:

<https://filerequest.conservation.ca.gov/RequestFile/2816274>

Sutter County 2018:

(Sutter 2016-2018 Conversion Table) sutcon18.xlsx:

<https://filerequest.conservation.ca.gov/RequestFile/2817671>

(Sutter 2018 PDF Map) sut18.pdf:

<https://filerequest.conservation.ca.gov/RequestFile/2816308>

Sutter County Important Farmland Metadata.docx:

<https://filerequest.conservation.ca.gov/RequestFile/2816309>

## CA DWR/Sami Nall

### Email Log

<b>Project: Sacramento County 2021 LHMP Update</b>	<b>Date: 11/10/20</b>
<b>Contact Name</b>	Sami Nall, Sr. Engineer
<b>Contact Organization</b>	CA DWR, Office of Floodplain Management
<b>Contact Email</b>	<a href="mailto:Sami.Nall@water.ca.gov">Sami.Nall@water.ca.gov</a>
<b>Subject</b>	DSOD Dam Data: Hazard Classifications and Inundation Data

<b>Items Discussed</b>
Reached out to Sami Nall at CA DWR to find out what source should be the most current for determining Hazard Classifications and inundation data for dams, as different sources reported different data even within the CA DWR DSOD. Sami indicated that both an annual document and the DSOD viewer should be current, but that the viewer should take precedent.

Follow-up		
By	Name:	Organization
	Jeanine Foster	Foster Morrison

**From:** Nall, Sami@DWR <Sami.Nall@water.ca.gov>  
**Sent:** Tuesday, November 10, 2020 8:53 AM  
**To:** Jeanine Foster <jeanine.foster@fostermorrison.com>  
**Subject:** RE: California DWR, DSOD data

Hi Jeanine, Let me ask DSOD about this as I would think the viewer would be more current. However there is an updated document (dated 2019) at this link: [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/All-Programs/Division-of-Safety-of-Dams/Files/Publications/2019-Dams-Within-Jurisdiction-of-the-State-of-California-Alphabetically-by-County\\_a\\_y20.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/All-Programs/Division-of-Safety-of-Dams/Files/Publications/2019-Dams-Within-Jurisdiction-of-the-State-of-California-Alphabetically-by-County_a_y20.pdf).

I believe DSOD publishes an updated list every year. However, it may be taking longer to publish it because of accessibility rules. I'll also check to see if an updated list will be published in 2020.

Thanks,  
Sami

*Sami Nall, P. E.*

Senior Engineer, Office of Floodplain Management  
[Department of Water Resources](#)  
3464 El Camino Avenue, Suite 200  
Sacramento, CA 95821  
Office: 916.574.1432  
Email: [Sami.Nall@water.ca.gov](mailto:Sami.Nall@water.ca.gov)



**From:** Michelle Mead - NOAA Federal <michelle.mead@noaa.gov>  
**Sent:** Monday, December 7, 2020 11:39 AM  
**To:** Jeanine Foster <jeanine.foster@fostermorrison.com>  
**Subject:** Re: California Weather Data

Good morning Jeanine~

XMACIS: <https://xmacis.rcc-acis.org/> is a site that has a lot of climate information you may also find useful. It's not the most user friendly, but does give you access to all historical climatological data. The Marysville AP data on this site is up to date. I added the max temps for Marysville over the past 20 years as an example.

I have been getting these hazard mitigation emails, but have not been able to attend.

Sincerely,  
Michelle



Michelle Mead  
Meteorologist in Charge (MIC)  
National Weather Service  
WFO Sacramento  
3310 El Camino Ave. Suite 228 95821-6373  
Office: (916) 979-3041 x222  
Cell: (406) 370-8882

City of Citrus Heights/Jason Baldwin, Police Lieutenant

From: Gieselman. David <GieselmanD@SacOES.org>  
Sent: Wednesday, July 28, 2021 12:25 PM  
To: Flynn. MaryJo <FlynnM@sacoes.org>; Hawkins. Matthew <HawkinsM@SacOES.Org>; dbowers@cityofsacramento.org; jgottlob@cityofsacramento.org; jbalwin@citrusheights.net; kfrey@citrusheights.net; Hudson. Jamie <jhudson@elkgrovepd.org>; rhillman@folsom.ca.us; Kalinowski. Brian <bkalinowski@galtpd.com>; cbergson@cityofisleton.com; thumphrey@cityofranchocordova.org; twatson@cityofranchocordova.org; Cherry. Mark (SacSheriff) <MCherry@sacsheriff.com>; jenkins.charles@metrofire.ca.gov; Wagaman. Tyler S. <Wagaman.Tyler@metrofire.ca.gov>; Bravo. Lennard <bravole@saccounty.net>; Goss. Rodney <gossr@SacCounty.NET>; Pimentel. Steven <PimentelSt@saccounty.net>; christopher.broyhill@smud.org; antoinette.benson@smud.org; Kasirye. Olivia <KasiryeO@saccounty.net>; Aiello. Brian <AielloB@saccounty.net>; hbrown@communitylinkcr.org; Pesely. Lynn <peselyl@SacOES.Org>; Gin. Kimberly <GinK@saccounty.net>  
Cc: Jeanine Foster <jeanine.foster@fostermorrison.com>; Booth. George <boothg@SacCounty.NET>  
Subject: Comments Requested: Sac County 2021 LHMP Update

This message is sent to all Sacramento Operational Area (OA) Council representatives and alternate reps.

Please see the attached Press Release related to the LHMP Update, as well as the text and weblink below from Jeanine Foster at Foster Morrison Consulting. Contact information and comment instructions are provided in the attachment. Due date for comments is August 13, 2021.

Thank you,

David Gieselman, Senior Office Assistant, Sacramento County OES  
3720 Dudley Bl. #122, McClellan, CA 95652 [gieselmand@sacoes.org](mailto:gieselmand@sacoes.org)  
Desk (916) 874-4673, Mobile (916) 366-6119, Fax (916) 854-9565

\*\*\* \*\*

All,

**WE WANT YOUR INPUT!** The Sacramento County 2021 Local Hazard Mitigation Plan (LHMP) Update - Public Review Draft is available for review and comment on the County StormReady.org website at: <https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>.

*See attached Press Release for information on how to submit comments and information for attending the final Public and Planning Committee Meetings for this project.*

This 2021 LHMP Update Project, kicked off in August 2020, resulted in an updated Countywide LHMP that will guide natural hazard mitigation in the County over the next five years. With 32 participating jurisdictions from the Sacramento County Planning Area and well over 225

mitigation actions and projects identified to date, a FEMA approved LHMP Update for Sacramento County will enable participating jurisdictions to be eligible for FEMA pre and post mitigation grant programs and also supports a reduction in flood insurance premiums to residents of Sacramento County and the City of Sacramento through their participation in the National Flood Insurance Program's (NFIP) Community Rating System (CRS).

If you have any questions, please contact Jeanine Foster at [Jeanine.foster@fostermorrison.com](mailto:Jeanine.foster@fostermorrison.com) or [boothg@saccounty.net](mailto:boothg@saccounty.net).

Thanks for your support on this important project!

Jeanine Foster  
Foster Morrison Consulting  
(303) 717-7171

**City of Citrus Heights/Kris Frey, Police Lieutenant**

See above image for City of Citrus Heights/Jason Baldwin.

**City of Elk Grove/Jamie Hudson, Real-Time Info Supervisor**

See above image for City of Citrus Heights/Jason Baldwin.

**City of Folsom/Rick Hillman, Police Chief**

See above image for City of Citrus Heights/Jason Baldwin.

**City of Galt/ Brian Kalinowski, Div. Commander Galt PD**

See above image for City of Citrus Heights/Jason Baldwin.

**City of Rancho Cordova/ Todd Humphrey, Facilities Manager**

See above image for City of Citrus Heights/Jason Baldwin.

**City of Rancho Cordova/ Tim Watson, Facilities Manager staff**

See above image for City of Citrus Heights/Jason Baldwin.

**Law Agencies/Mark Cherry, Sergeant Sac Sheriff**

See above image for City of Citrus Heights/Jason Baldwin.

**Fire Districts/Charles Jenkins, Assistant Chief, SMFD**

See above image for City of Citrus Heights/Jason Baldwin.

**Fire Districts/ Tyler Wagaman, Assistant Chief, SMFD**

See above image for City of Citrus Heights/Jason Baldwin.

**Flood Control and Reclamation District/ Lennard Bravo, Associate Civil Engineer**

See above image for City of Citrus Heights/Jason Baldwin.

**Flood Control and Reclamation District/ Rodney Goss, Senior Civil Engineer**

See above image for City of Citrus Heights/Jason Baldwin.

**Water Districts/ Steve Pimentel, DWR Sr. Civil Engineer**

See above image for City of Citrus Heights/Jason Baldwin.

**Utility Districts/ Kyle Broyhill, Emergency Preparedness Specialist II SMUD, Vice Chairperson**

See above image for City of Citrus Heights/Jason Baldwin.

**Utility Districts/ Antoinette Benson, SMUD Project Manager II**

See above image for City of Citrus Heights/Jason Baldwin.

**Public Health/ Olivia Kasirye, DHHS Public Health Officer**

See above image for City of Citrus Heights/Jason Baldwin.

**Public Health/ Brian Aiello, DHHS Sr. Health Program Coordinator**

See above image for City of Citrus Heights/Jason Baldwin.

**Non-governmental organizations/ Holly Brown, Program Manager Hands on Sacramento**

See above image for City of Citrus Heights/Jason Baldwin.

**Non-governmental organizations/ Lynn Pesely, MRC**

See above image for City of Citrus Heights/Jason Baldwin.

**Sacramento County Coroner/ Kimberly Gin, Sac County Coroner**

See above image for City of Citrus Heights/Jason Baldwin.

## Sacramento Metro Fire/ Robert Bruce

**From:** Jeanine Foster

**Sent:** Thursday, July 29, 2021 6:27 PM

**To:** jarno@airquality.org; Bruce.robert@metrofire.ca.gov; scajkowskij@scada.org; carmela.garcia@childaction.org; Jenninegreenwell@childaction.org; hein.randall@metrofire.ca.gov; Johnson.maurice@metrofire.ca.gov; jonesmj@sacsheriff.com; metzingerj@saccounty.net; vmihanovich@communitylinkcr.org; myerspaul@saccounty.net; rpotter@sfd.cityofsacramento.org; tamara.rodriguez@dds.ca.gov; laurie.simon@211sacramento.org; jmsirney@sfd.cityofsacramento.org; Lindsey.stanley@caloes.ca.gov; pkent@elkgrovepd.org; jkearsing@elkgrovepd.org; vtgoonis@chp.ca.gov; Johnson, Robin@CHP <RoJohnson@chp.ca.gov>; mloutzenhiser@airquality.org; DBowers@cityofsacramento.org; lgroves@cityofsacramento.org; dfdewall@fbi.gov; stephanie.carillo@phl.org; miamah-reed@scusd.edu; Victoria-flores@scusd.edu; jorrock@scoe.net; nwoodsandrews@scoe.net; jrhine@sacramentofoodbank.org; jchan@airquality.org; brittaag@snahc.org; gwgoodman@fightthebite.net; frodriguez@folsom.ca.us; douglas.brim@yolocounty.org; Patrick.Durham@smud.org; AalborgH@saccounty.net; barcellosm@saccounty.net; CossioC@saccounty.net

**Cc:** Booth. George <boothg@SacCounty.NET>; Chris Morrison <chris.morrison@fostermorrison.com>

**Subject:** Sacramento County Local Hazard Mitigation Plan Update - Public Review Draft

All – this message is being sent to the PHEP Partnership Group.

**WE WANT YOUR INPUT!** The Sacramento County 2021 Local Hazard Mitigation Plan (LHMP) Update - Public Review Draft is available for review and comment on the County StormReady.org website at:

<https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>.

*See attached Press Release for information on how to submit comments and information for attending the final Public and Planning Committee Meetings for this project. Due Date for comments is August 13, 2021.*

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If you have any questions, please contact Jeanine Foster at [Jeanine.foster@fostermorrison.com](mailto:Jeanine.foster@fostermorrison.com) or [boothg@saccounty.net](mailto:boothg@saccounty.net).

Thanks for your support on this important project!

**From:** [Booth, George](#) on behalf of [DEP-Johnson, Prabhjot](#)  
**To:** [Pimentel, Dawn](#); [Booth, George](#)  
**Cc:** [Aalborg, Hannah](#); [jarno@airquality.org](#); [troybair@csdfire.com](#); [Barcellos, Mark](#); [Bruce.robert@metrofire.ca.gov](#); [Cantelme, Steve](#); [czajkowskij@sacda.org](#); [Cossio, Carlos](#); [Flynn, MaryJo](#); [carmela.Garcia@childaction.org](#); [GardnerRa@saccounty.net](#); [Gonzalez, Anthony](#); [Jenninegreenwell@childaction.org](#); [Harris, Pamela \(DHS\)](#); [Hein.Randall@metrofire.ca.gov](#); [incer@sacOES.org](#); [Johnson.maurice@metrofire.ca.gov](#); [Ssd-jonesmj@sacsheriff.com](#); [Kasirye, Olivia](#); [Kunker, Shelly](#); [Lewis, Chad \(SacSheriff\)](#); [Magnino, David](#); [Merin, Benjamin](#); [McCoy, Kelly](#); [metzingerj@saccounty.net](#); [vmihanovich@communitylinkcr.org](#); [Moriki, Kelly](#); [myerspaul@saccounty.net](#); [Olson, Karen](#); [Pena, Phyllis](#); [Pesely, Lynn](#); [rpotter@sfd.cityofsacramento.org](#); [Tamara.Rodriguez@dds.ca.gov](#); [Schaefers, James \(SacSheriff\)](#); [Laurie.simon@211sacramento.org](#); [jmsirney@sfd.cityofsacramento.org](#); [Lindsey.stanley@caloes.ca.gov](#); [Tam, Karman](#); [Van Buren, James](#); [Whaley, Doug \(DA\)](#); [White, Jamie](#); [pkent@elkgrovepd.org](#); [jkearsing@elkgrovepd.org](#); [Hawkins, Matthew](#); [vtgonis@chp.ca.gov](#); [rojohnson@chp.ca.gov](#); [MLOUTZENHISER@airquality.org](#); [Mori, Dominico \(Nick\)](#); [DBowers@cityofsacramento.org](#); [lgroves@cityofsacramento.org](#); [dfdewaal@fbi.gov](#); [Gallelo, Julie](#); [stephanie.carillo@phi.org](#); [miamah-reed@scusd.edu](#); [Victoria-Flores@scusd.edu](#); [jorrock@scoe.net](#); [nwoodsandrews@scoe.net](#); [jrhine@sacramentofoodbank.org](#); [jchan@airquality.org](#); [Saelee, Gen \(SacSheriff\)](#); [Cotten, Cody \(SacSheriff\)](#); [brittaag@snahc.org](#); [qwgoodman@fightthebite.net](#); [frodriquez@folsom.ca.us](#); [Bongiorno, Brenda](#); [Sandoval, Andrea](#); [Abe, Elvira](#); [Kelly.Soule@water.ca.gov](#); [Floyd, Megan](#); [Booth, Dana](#); [Karidis, Dennis](#); [Duncan, Robert](#); [douglas.brim@yolocounty.org](#); [Bridges, Clarice](#); [Mohar, Craig \(Sacramento PD\)](#); [Patrick.Durham@smud.org](#)  
**Subject:** FW: PHEP Partnership Meeting  
**Start:** Tuesday, January 28, 2020 9:00:00 AM  
**End:** Tuesday, January 28, 2020 11:00:00 AM  
**Location:** 7001A East Parkway, Sacramento, CA 95823 - Conference Room 1  
**Attachments:** [image002.jpg](#)  
[PHEP Partnership Agenda January 2020.docx](#)

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I pitched LHMP at this meeting

Just FYI for CRS credits

*Meeting Record*

Project: LHMMP UPDATE - SAC COUNTY	Date: 8/18/20
Meeting Purpose: Public Health Emergency Preparedness Part. Mtg. (PHEP)	

Attendees see attached sign-in (and outside agencies noted below)

Name	Title	Contact Phone

**Items Discussed**

George Booth represented County DWR in providing presentation on Sac County Floodplains. As part of this presentation, George informed the group that the Sacramento County LHMMP Update was scheduled to be kicked off in late summer 2020. He further informed the group how they could be involved in the 2020 Sac County LHMMP Update.

**Follow-up**

Consider including PHEP attendees on LHMMP Outreach List inviting them to LHMMP Update meetings & providing additional information on how they could be involved in the process

By	Name	Organization
	Jeanine Foster for George Booth	Foster Morrison (Sac County DWR)

**Sacramento Metro Fire/ Randall Hein**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Metro Fire/ Maurice Johnson**

See above image for Sac Metro Fire/Robert Bruce.

**Child Action Inc./ Carmela Garcia**

See above image for Sac Metro Fire/Robert Bruce.

**Child Action Inc./ Jennine Greenwell**

See above image for Sac Metro Fire/Robert Bruce.

**211 Sacramento/ Laurie Simon**

See above image for Sac Metro Fire/Robert Bruce.

**Cal OES/Lindsey Stanley**

See above image for Sac Metro Fire/Robert Bruce.

**California Department of Development Services/ Tamara Rodriguez**

See above image for Sac Metro Fire/Robert Bruce.

**California Highway Patrol/ Robin Johnson**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento City Unified School District/ Miamah Reed**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento City Unified School District/ Victoria Flores**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento County Office of Education/ Joelle Orrock**

See above image for Sac Metro Fire/Robert Bruce.

**Yolo County/ Douglas Brim, EMS Coordinator**

See above image for Sac Metro Fire/Robert Bruce.

**SMUD/ Patrick Durham**

See above image for Sac Metro Fire/Robert Bruce.

**The Regional Center for Volunteerism-Hands On Sacramento and the Sacramento region  
Emergency Food & Shelter Program/Community Link Capital Region/ Valeri Mihanovich**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento-Yolo Mosquito and Vector Control District/ Gary W Goodman, Manager**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Native American Health Center, Sacramento/ Britta Guerrero, CEO**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Food Bank/JR Hine**

See above image for Sac Metro Fire/Robert Bruce.

**FBI/DF Dewall**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Air Quality Management District/ J Arno**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Air Quality Management District/ M Loutzenhiser**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Air Quality Management District/ J Chan**

See above image for Sac Metro Fire/Robert Bruce.

**Sacramento Air Quality Management District/ J Arno**

See above image for Sac Metro Fire/Robert Bruce.

**City of Sacramento Fire Department/R Potter**

See above image for Sac Metro Fire/Robert Bruce.

**City of Sacramento Fire Department/JM Sirney**

See above image for Sac Metro Fire/Robert Bruce.

**California Highway Patrol/VT Goonis**

See above image for Sac Metro Fire/Robert Bruce.

## A.4 Meeting Handouts

Below are the handouts for each meeting held during the planning process for this Plan Update.

### A.4.1. Kickoff Meeting Handouts

#### *Sacramento County Hazard Identification and Profiles –2021*

#### Disaster Declarations and National Weather Service Research

#### Sacramento County – Disaster Declarations 1950-2020

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
2020	Covid-19	Pandemic	Pandemic	DR-4482	3/4/2020	1/20/2020
2017	California Severe Winter Storms, Flooding, Mudslides	Flood	Storms	DR-4308	3/7/2017	4/1/2017
2017	California Severe Winter Storms, Flooding, And Mudslides	Flood	Storms	DR-4305	2/10/2017	3/16/2017
2017	California Severe Winter Storms, Flooding, Mudslides	Flood	Storms	DR-4301	–	2/14/2017
2014	Napa Earthquake	Natural	Earthquake	EM-4193	–	9/17/2014
2014	California Drought	Drought	Drought	GP 2014-13	1/17/2014	–
2008	Central Valley Drought	Drought	Drought	GP 2008-03	6/12/2008	–
2008	2008 January Storms	Flood	Storms	GP 2008-01	1/5/2008	–
2005/2006	2005/06 Winter Storms	Flood	Storms	DR-1628	–	2/3/2006
2005	Hurricane Katrina Evacuations	Economic	Hurricane	EM-3248 2005	–	9/13/2005
2001	Energy Emergency	Economic	Greed	GP 2001	1/1/2001	–
1998	1998 El Nino Floods	Flood	Storms	DR-1203	Proclaimed	2/19/1998

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
1997	1997 January Floods	Flood	Storms	DR-1155	1/2/97-1/31/97	1/4/1997
1996	Torrential Winds and Rain	Flood	Storms	GP 96-01	1/21/1996	–
1995	1995 Late Winter Storms	Flood	Storms	DR-1046	Proclaimed	1/10/1995
1995	1995 Severe Winter Storms	Flood	Storms	DR-1044	1/6/95-3/14/95	1/13/1995
1989	Loma Prieta Earthquake	Earthquake	Earthquake	DR-845	10/18/89-10/30/89	10/18/1989
1986	1986 Storms	Flood	Storms	DR-758	2/18-86-3/12/86	2/18/1986
1983	Winter Storms	Flood	Flood	DR-677	12/8/82-3/21/83	2/9/1983
1982	High Tides and Rains	Flood	Storms	-	12/8/1982	–
1982	Heavy Rains and Flooding	Flood	Storms	DC 82-03	4/1/1982	–
1980	Delta Levee Break	Flood	Levee break	EM-3078	1/23/1980	1/23/1980
1977	1977 Drought	Drought	Drought	EM-3023	–	1/20/1977
1973	Southern Pacific Railroad Fires and Explosions (Roseville)	Fire	Explosion	–	4/30/1973	–
1972	Andrus Island Levee Break	Flood	Levee break	DR-342	6/21/1972	6/27/1972
1969	1969 Storms	Flood	Storms	DR-253	1/23/69-3/12/69	1/26/1969
1964	1964 Late Winter Storms	Flood	Storms	DR-183	–	12/24/1964
1963	1963 Floods	Flood	Storms	–	2/14/1964	–
1958	1958 April Storms and Floods	Flood	Storms	DR-52	4/5/1958	4/4/1958
1958	1958 February Storms and Floods	Flood	Storms	CDO 58-03	2/26/1958	–
1955	1955 Floods	Flood	Flood	DR-47	12/22/1955	12/23/1955
1950	1950 Floods	Flood	Flood	OCD 50-01	11/21/1950	–

Source: FEMA, Cal OES

## Sacramento County Disaster Declaration Summary Table by Hazard Type 1950-2020

Disaster Type	State Declarations		Federal Declarations	
	Count	Years	Count	Years
Drought	2	2008, 2014	1	1977
Economic	1	2001	0	–
Earthquake	1	1989	2	1989, 2014
Flood (including heavy rains and storms)	19	1950, 1955, 1958 (twice), 1963, 1969, 1982 (twice), 1983, 1986, 1995 (twice), 1996, 1997, 1998, 2008, 2017 (three times)	14	1955, 1958, 1964, 1969, 1983, 1986, 1995 (twice), 1997, 1998, 2006, 2017 (three times)
Hurricane	0	–	1	2005
Levee Break	2	1972, 1980	2	1972, 1980
Pandemic	1	2020	1	2020
Fire	1	1973	0	–
<b>Totals</b>	<b>27</b>	–	<b>21</b>	–

Source: FEMA, Cal OES

### Disasters since 2016 Plan

As detailed above, there have been four federal disaster declarations and three state disaster declarations since the 2016 plan:

- 2017 Floods (three federal and two state)
- 2020 Pandemic (state and federal)

### NCDC Severe Weather Events for Sacramento County 1950-5/31/2020\*

Event Type	Number of Events	Deaths	Deaths (indirect)	Injuries	Injuries (indirect)	Property Damage	Crop Damage
Cold/Wind Chill	14	0	1	0	0	\$0	\$0
Dense Fog	6	6	1	38	0	\$2,120,000	\$0
Dense Smoke	2	0	0	0	0	\$0	\$0
Drought	32	0	0	0	0	\$0	\$0
Excessive Heat	5	6	2	1	0	\$0	\$0
Extreme Cold/Wind Chill	1	0	0	0	0	\$0	\$0
Flash Flood	4	1	0	0	0	\$4,400,000	\$0
Flood	80	1	0	1	0	\$8,877,000	\$7,800,000
Frost/Freeze	8	0	0	0	0	\$200,000	\$5,000,000
Funnel Cloud	7	0	0	0	0	\$0	\$0
Hail	9	0	0	0	0	\$111,030	\$0
Heat	33	0	1	30	1	\$0	\$0

Event Type	Number of Events	Deaths	Deaths (indirect)	Injuries	Injuries (indirect)	Property Damage	Crop Damage
Heavy Rain	28	0	0	1	0	\$365,000	\$50,000
Heavy Snow	1	0	0	0	0	\$0	\$0
High Surf	1	0	0	0	0	\$0	\$0
High Wind	40	1	0	0	0	\$8,957,000	\$39,000
Lightning	1	0	0	0	0	\$150,000	\$0
Strong Wind	26	0	2	2	1	\$3,651,000	\$0
Thunderstorm Winds	9	0	0	0	0	\$50,000	\$0
Tornado	13	0	0	0	0	\$1,480,000	\$0
Wildfire	7	0	1	2	0	\$5,000,000	\$0
Winter Storm	2	0	0	0	0	\$0	\$0
<b>Total</b>	<b>338</b>	<b>15</b>	<b>8</b>	<b>75</b>	<b>2</b>	<b>\$35,411,030</b>	<b>\$12,889,000</b>

Source: NCDC

\*Note: Losses reflect totals for all impacted areas

\*\*Due to the regional nature of reporting certain hazard events, these hazards are included in the NCDC database for Sacramento County

## Sacramento County Hazards Comparison Summary

2016 Sacramento County Plan	General Plan Safety Element	2018 State of California Plan Applicable Hazards	Proposed Sacramento County 2021 Hazards
Agricultural Hazards	–	Agricultural and Silvicultural Pests and Diseases	Agricultural Hazards
Bird Strike	–	–	–
Climate Change	–	Climate Change and Related	Climate Change
Dam Failure	Flooding	Dam Failure	Dam Failure
Drought/Water Shortage	–	Droughts and Water Shortage	Drought & Water shortage
Earthquake	Seismic and Geologic Hazards	Earthquake	Earthquake/ Earthquake Liquefaction
Earthquake: Liquefaction	Seismic and Geologic Hazards	Earthquake	Earthquake: Liquefaction
Flood: 100/200/500-year	Flooding	Flood	Flood: 100/200/500-year
Flood: Localized Stormwater Flooding	Flooding	Flood	Flood: Localized Stormwater Flooding
Landslides	Seismic and Geologic Hazards	Landslide	Landslides
Levee Failure	Flooding	Levee Failure and Safety	Levee Failure
–	–	Pandemic	Pandemic
River/Stream/Creek Bank Erosion	Seismic and Geologic Hazards	Part of Flood hazard	River/Stream/Creek Bank Erosion
Severe Weather: Extreme Temperatures – Cold/Freeze	–	Severe Weather and Storms	Severe Weather: Extreme Cold/ Freeze
Severe Weather: Extreme Temperatures – Heat	–	Severe Weather and Storms	Severe Weather: Extreme Heat
Severe Weather: Fog	–	Severe Weather and Storms	Severe Weather: Fog
Severe Weather: Heavy Rains and Storms (Thunderstorms, Hail, and Lightning)	–	Severe Weather and Storms	Severe Weather: Heavy rain and Storms
Severe Weather: Wind and Tornadoes	–	Severe Weather and Storms	Severe Weather: Wind and Tornado
Subsidence	Seismic and Geologic Hazards	Part of Geologic Hazards	Subsidence
Volcano	–	Volcano	Volcanoes
Wildfire (Burn Area/Smoke)	Fire Hazards	Wildfire	Wildfire

## Sacramento County Hazard Identification 2021

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Climate Change					–
Dam Failure					Medium
Drought & Water Shortage					High
Earthquake/ Earthquake Liquefaction					Low
Floods: 1%/0.2% annual chance					Medium
Floods: Localized Stormwater					Medium
Landslides					Medium
Levee Failure					Medium
Pandemic					Medium
Severe Weather: Extreme Cold and Freeze					Medium
Severe Weather: Extreme Heat					High
Severe Weather: Heavy Rains and Storms					Medium
Severe Weather: High Winds and Tornadoes					Medium
Wildfire					High
<b>Geographic Extent</b>		<b>Magnitude/Severity</b>			
Limited: Less than 10% of planning area		Catastrophic—More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths			
Significant: 10-50% of planning area		Critical—25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability			
Extensive: 50-100% of planning area		Limited—10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability			
<b>Likelihood of Future Occurrences</b>		Negligible—Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid			
Highly Likely: Near 100% chance of occurrence in next year, or happens every year.		<b>Significance</b>			
Likely: Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less.		Low: minimal potential impact			
Occasional: Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years.		Medium: moderate potential impact			
Unlikely: Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.		High: widespread potential impact			
		<b>Climate Change Influence</b>			
		Low: minimal potential impact			
		Medium: moderate potential impact			
		High: widespread potential impact			

## HISTORIC HAZARD EVENTS WORKSHEET

Please fill out one sheet for each significant hazard event with as much detail as possible. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Opinion on likelihood of occurring again	
Source of information	
Comments	
	Please return worksheets by mail, email, or fax to:
Prepared by:	Jeanine Foster, Foster Morrison
Phone:	10298 Boulder Ridge Dr
Email:	Peyton, CO 80831
Date:	fax: (720) 893-0863
	email: jeanine.foster@fostermorrison.com

## A.4.2. Risk Assessment Meeting Handouts

### *Status of the 2021 Sacramento LHMP Update Project/Next Steps*

#### *LHMP Update Project Schedule/Key Dates*

##### 2021 LHMP Update Meetings

- **March 24** (Wednesday) HMPC Meeting #3 (Mitigation Strategy: Goals Development) (1:30-3:30 pm)
- **March 30** (Tuesday) HMPC Meeting #4 (Mitigation Strategy: Actions and Projects) (1:30-4:00 pm)
- **August 3** (Tuesday) Public Meeting #2 (5:30-7:00 pm)
- **August 4** (Wednesday) HMPC Meeting #5 (1:30-4:00 pm)

##### Mitigation Strategy Meetings - Follow up

- **April 2** (Friday) Mitigation Strategy Actions and Projects processed and voting site launched
- **April 9** (Friday) Voting ends
- **April 13** (Tuesday) Foster Morrison to send Mitigation Action prioritization follow up to HMPC
- **May 7** (Friday) Planning Team Mitigation Action (Project) Worksheets due to Foster Morrison

##### LHMP Document Drafts

- **March 15 – April 1:** Foster Morrison to send out Jurisdictional Annexes for input
- **May 1:** Jurisdictions to return updated Annexes to Foster Morrison
- **May 21** (Friday): HMPC (First) Draft LHMP to County
- **June 18** (Friday): HMPC comments due on Draft Plan
- **July 2** (Friday): Comments incorporated into Public Review (Second) Draft to County
- **July 12** (Monday): Public Review Draft on County website
- **August 13** (Friday): all Planning Team and Public input to Foster Morrison
- **September:** Public and HMPC comments incorporated and LHMP submittal to Cal OES – September 2021

##### *Participating Jurisdictions*

- County
- All 7 incorporated communities (have base data returned from all but 2 cities)
- 13 Reclamation District Annexes – (have base data returned for all but 7 RDs)
- 9 other Districts
- **30 Total Participating Jurisdictions**

*Table 4 Sacramento County Hazard Identification Table*

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Climate Change	Extensive	Likely	Limited	Medium	–
Dam Failure	Significant	Occasional	Catastrophic	High	Medium
Drought & Water Shortage	Extensive	Likely	Limited	Medium	High
Earthquake	Extensive	Occasional	Catastrophic	Medium	Low
Earthquake Liquefaction	Limited	Occasional	Critical	Medium	Low
Floods: 1%/0.2% annual chance	Significant	Likely	Catastrophic	High	Medium
Floods: Localized Stormwater	Extensive	Highly Likely	Limited	Medium	Medium
Landslides, Mudslides, and Debris Flow	Limited	Occasional	Limited	Low	Medium
Levee Failure	Extensive	Occasional	Critical	High	Medium
Pandemic	Extensive	Likely	Catastrophic	Medium	Medium
Severe Weather: Extreme Cold and Freeze	Extensive	Highly Likely	Limited	Medium	Medium
Severe Weather: Extreme Heat	Extensive	Highly Likely	Limited	Medium	High
Severe Weather: Heavy Rains and Storms	Extensive	Highly Likely	Limited	Medium	Medium
Severe Weather: Wind and Tornado	Extensive	Highly Likely	Limited	Medium	Low
Subsidence	Significant	Highly Likely	Limited	Medium	Medium
Volcano	Extensive	Unlikely	Negligible	Low	Low
Wildfire	Significant	Highly Likely	Critical	High	High
<b>Geographic Extent</b> Limited: Less than 10% of planning area Significant: 10-50% of planning area Extensive: 50-100% of planning area		<b>Magnitude/Severity</b> Catastrophic—More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths Critical—25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability Limited—10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability Negligible—Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid			
<b>Likelihood of Future Occurrences</b> Highly Likely: Near 100% chance of occurrence in next year, or happens every year. Likely: Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less. Occasional: Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years. Unlikely: Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.		<b>Significance</b> Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact			
		<b>Climate Change Influence</b> Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact			

## Risk Assessment Methodology

### *Calculating Likelihood of Future Occurrence*

The frequency of past events is used in this section to gauge the likelihood of future occurrences. Based on historical data, the likelihood of future occurrence is categorized into one of the following classifications:

- **Highly Likely:** Near 100% chance of occurrence in next year, or happens every year.
- **Likely:** Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less.
- **Occasional:** Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years.
- **Unlikely:** Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.

### *Calculating Vulnerability*

Vulnerability is measured in general, qualitative terms, and is a summary of the potential impact based on past occurrences, spatial extent, and damage and casualty potential:

- **Extremely Low:** The occurrence and potential cost of damage to life and property is very minimal to non-existent.
- **Low:** Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal.
- **Medium:** Moderate potential impact. This ranking carries a moderate threat level to the general population and/or built environment. Here the potential damage is more isolated and less costly than a more widespread disaster.
- **High:** Widespread potential impact. This ranking carries a high threat to the general population and/or built environment. The potential for damage is widespread. Hazards in this category may have already occurred in the past.
- **Extremely High:** Very widespread and catastrophic impact.

### *Defining Significance (Priority) of a Hazard*

Defining the significance or priority of a hazard to a community is based on a subjective analysis of several factors. This analysis is used to focus and prioritize hazards and associated mitigation measures for the plan. These factors include the following:

- **Past Occurrences:** Frequency, extent, and magnitude of historic hazard events.
- **Likelihood of Future Occurrences:** Based on past hazard events.
- **Ability to Reduce Losses through Implementation of Mitigation Measures:** This looks at both the ability to mitigate the risk of future occurrences as well as the ability to mitigate the vulnerability of a community to a given hazard event.

## Risk Assessment Summary: Sacramento County Planning Area

### *Climate Change*

- The 2013 and 2018 State of California Multi-Hazard Mitigation Plan stated that climate change is already affecting California. Sea levels have risen by as much as seven inches along the California coast over the last century, increasing erosion and pressure on the state's infrastructure, water supplies, and natural resources. The State has also seen increased average temperatures, more extreme hot days, fewer cold nights, a lengthening of the growing season, shifts in the water cycle with less winter precipitation falling as snow, and both snowmelt and rainwater running off sooner in the year. Climate Change has the potential to alter the nature and frequency of most hazards.
- THE SACRAMENTO COUNTY CLIMATE ACTION PLAN (CAP) VULNERABILITY ASSESSMENT HAD LOTS OF GREAT CLIMATE CHANGE INFO THAT WE USED IN 2016. WHAT IS THE STATUS OF THE FINAL CAP – STILL A DRAFT IN FEBRUARY 2021?
- DOES ANYONE HAVE ANY CLIMATE CHANGE CONCERNS/ISSUES TO NOTE?
- Likelihood of Future Occurrence: Likely
- Vulnerability: Medium
- Priority Hazard

### *Dam Failure*

- There are 27 dams in Sacramento County constructed for flood control, storage, electrical generation, and recreational purposes. Of the 27 dams, 11 are rated as High Hazard, 6 as Significant Hazard, and 10 as Low Hazard.
- 2 Extremely High and 5 High Hazard dams located in neighboring counties also have the potential to impact the Sacramento County Planning Area.
- Since the 2016 LHMP, Folsom Dam has made significant improvements and are continuing to do so. A failure of this dam is unlikely; a significant (200-year) type release would be the likely event.
- A search of the National Performance of Dams database data shows two dam failure incidents for Sacramento County since 1994, both related to the Folsom Dam. However, these incidents were limited in scope and since the incidents occurred, improvements to the Folsom Dam system have been made. Since the 2016 LHMP, the Oroville spillway incident occurred. No disaster declaration in Sacramento for this Oroville event.
- ANY SPECIFIC DAM ISSUES/CONCERNS TO NOTE?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: Extremely High
- Priority Hazard

### *Drought and Water Shortage*

- Historical drought data for the Sacramento County Planning Area and region indicate there have been 5 significant multi-year droughts in the last 84 years.
- 1 federal disaster declarations in 1977; 1 state disaster declaration in 2008; 1 drought State of Emergency in 2014.
- 15 USDA Secretarial Disaster Declarations from drought in Sacramento County since 2002.

- WHAT HAS BEEN IMPACTED THE MOST? HOW HAS WATER SUPPLY BEEN AFFECTED IN THE COUNTY FROM THIS MOST RECENT DROUGHT? WHAT ARE THE MOST SIGNIFICANT CONCERNS MOVING FORWARD?
- Likelihood of Future Occurrence: Likely
- Vulnerability: High
- Priority Hazard

### *Earthquake*

- Geological data indicates that no major active faults transect the County; however, there are several subsurface faults in the Delta area. Numerous faults are located in neighboring counties.
- Recent seismic studies of the Delta area show areas of significant seismic risk.
- There have been two disaster declarations in Sacramento County: 1989 Loma Prieta; 2014 Napa
- There have been several felt occurrences in the County from area earthquakes, with limited damages to the County: USGS reports 40 earthquakes of 5.0 magnitude or greater within 90 miles of Sacramento County since 1850. Only 2 (5.1 and 5.09) of these occurred since the 2014 Napa earthquake, both in 2016.
- WHAT ARE THE MOST SIGNIFICANT ISSUES RELATED TO EARTHQUAKE?
- Likelihood of Future Occurrence: Unlikely – large, damaging earthquake; Occasional – minor earthquake
- Vulnerability: High
- Priority Hazard

### *Earthquake: Liquefaction*

- Sacramento County has two areas that have been suggested as posing potential liquefaction problems due to loose sandy soils and silt and presence of faults- the downtown area and the Delta.
- Although no historic examples of seismically induced levee failure are known in the Delta, the modern levee network has not been subjected to strong shaking. Again recent data shows a significant seismic risk in the Delta that could lead to levee failures.
- HAVE THERE BEEN ANY ISSUES IN THE COUNTY ASSOCIATED WITH LIQUEFACTION?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: High
- Priority Hazard

### *Flood Hazards*

#### *1%/0.5%/0.2% year*

- Historically, portions of Sacramento County have always been at risk to flooding because of its annual percentage of rainfall and the number of watercourses and miles of levees that traverse the County.
- Multiple state and federal disaster declarations related to heavy rains and flooding.
- PLEASE – EACH JURISDICTION - PROVIDE PAST OCCURRENCES OF FLOOD EVENTS SINCE THE 2016 LHMP.
- Likelihood of Future Occurrence: 1%-Occasional; 0.5%-Unlikely; 0.2%-Unlikely
- Vulnerability: High
- Priority Hazard

### **Localized/Stormwater flooding**

- Significant localized flood history in the County – occurs annually
- Each jurisdiction is updating this information on problem areas
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

### ***Landslides and Debris Flows***

- The NCDC contains no records of landslides in the County. There have been no disaster declarations associated with landslides in Sacramento County.
- The topography of the majority of Sacramento County is relatively flat and not subject to landslide. In Sacramento County, only a narrow strip along the eastern boundary, from the Placer County line to the Cosumnes River, is considered to have landslide potential. However, future slides on these slopes are expected to be minor in nature and do not pose a large scale threat to life or property. The American River Bluffs downstream from Folsom and in Fair Oaks and Carmichael are considered stable and are generally not subject to fracture or landslides. TRUE? OTHER AREAS? PAST OCCURRENCES?
- Likelihood of Future Occurrence: Unlikely
- Vulnerability: Low
- Non-Priority Hazard

### ***Levee Failure***

- Over 500 miles of levees throughout the County.
- There have been two federal disaster declarations in Sacramento County related to levee failure: 1980 Delta Levee Break and 1972 Andrus Island Levee Break.
- Although numerous documented levee breaks in the Delta area since 1900, most were prior to 1990 and do not reflect future failure potential due to extensive levee improvements in the area.
- Various levee systems improvements are in process throughout the Planning Area that will reduce overall risk of this hazard.
- WHAT ARE THE MOST SIGNIFICANT AREAS/CONCERNS/ISSUES WITH THESE LEVEES MOVING FORWARD?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: Extremely High
- Priority Hazard

### ***Pandemic***

- The 20<sup>th</sup> Century had 3 Pandemics (WHO): 1918-1919 Influenza Pandemic (H1N1), 1957-1958 Influenza Pandemic (H2N2), and the 1968 Influenza Pandemic (H3N2). The 21<sup>st</sup> Century had 2 Pandemics (WHO): 2009 Swine Flu (H1N1) and 2020 Covid-19.
- One 2020 state and federal declaration for Covid-19; the NCDC does not track pandemics.
- As of mid-February 2021, there had been over 90,000 cases of Covid-19 in the County and around 1,372 deaths.
- WHAT ARE SACRAMENTO COUNTY'S BIGGEST COVID-19 IMPACTS/RESPONSE EFFORTS/PRIMARY ISSUES/CONCERNS?

- WHAT ABOUT THE 2009 SWINE FLU?
- Likelihood of Future Occurrence: Likely
- Vulnerability: High
- Priority Hazard

## *Severe Weather*

### Extreme Temperatures: Cold and Freeze

- Annual occurrences of winter weather, including extreme cold and freeze. The lowest recorded daily extreme was 17°F on December 11, 1932. In a typical year, minimum temperatures fall below 32°F on 8.3 days with no days falling below 0°F.
- 4 USDA Secretarial Disaster Declarations from cold and freeze in Sacramento County since 2002.
- The NCDC data recorded 26 cold and freeze incidents for Sacramento County since 1993.
- No state or FEMA disaster declarations related to cold or freeze.
- ANY NOTABLE EXTREME COLD/FREEZE EVENTS SINCE 2016 PLAN? WE HAVE NOTED THAT SIX DEATHS OCCURRED IN 2018 AND ANOTHER SIX OCCURRED IN 2019 DUE TO ENVIRONMENTAL EXPOSURE DUE TO EXTREME COLD EVENTS.
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Non-Priority Hazard

### Extreme Heat

- Annual occurrences – it gets hot every summer. The highest recorded daily extreme was 114°F on July 17, 1925. In a typical year, maximum temperatures exceed 90°F on 65.4 days.
- 2 USDA Secretarial Disaster Declarations from extreme heat in Sacramento County since 2002.
- The NCDC data shows 38 extreme heat incidents for Sacramento County since 1993.
- ANY NOTABLE EXTREME HEAT EVENTS SINCE 2016 (WE HAVE EVENTS IN 2017 AND 2020 WHERE COOLING CENTERS WERE OPENED)?
- PSPS events had occurred in the Region on June 8-9 of 2019, August 23-25 of 2019, and again on September 23-24 of 2019. OTHERS – DO YOU KNOW IF YOU WILL HAVE PSPS EVENTS IN THE FUTURE?
- Climate change will affect this hazard in the future.
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard?

### Heavy Rains and Storms (Thunderstorms, Hail, Lightning)

- Significant County history: annual occurrences
- Multiple state (14) and federal (19) disaster declarations associated with Heavy Rains and Storms and Flooding. 9 USDA Secretarial Disaster Declarations from heavy rains and storms in Sacramento County since 2002.
- The NCDC data shows 38 extreme heavy rains and storm events for Sacramento County since 1950.
- Severe storms/heavy rains are the primary cause of most major flooding.
- ANY NOTABLE HEAVY RAINS/STORM EVENTS SINCE 2016?

- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

### **Wind and Tornadoes**

- Annual occurrences of wind events
- The NCDC data shows 95 high wind events for Sacramento County since 1993.
- The NCDC data shows 19 tornado events (7 funnel clouds, 8 F0s, 3 F1s, 1 F2) for Sacramento County since 1993.
- ANY NOTABLE HIGH WINDS OR TORNADO EVENTS SINCE 2011?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Low
- Non-Priority Hazard

### ***Subsidence***

- Subsidence in the Delta has been a historical problem, occurring on an annual basis. Areas with peat thickness over 10 feet have a great potential for continued subsidence.
- ANY NOTABLE AREAS OF CONCERN BOTH INSIDE AND OUTSIDE OF THE DELTA AREA?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Low
- Non-Priority Hazard

### ***Volcano***

- Of the approximately 20 volcanoes in the California, only a few are active and pose a threat. Of these, Long Valley Caldera and Lassen Peak are the closest to Sacramento County.
- According to the State Multi-Hazard Mitigation Plan, Sacramento County is not considered to be vulnerable to eruption, but could see some ash (depending on wind direction) from these volcanoes.
- Likelihood of Future Occurrence: Unlikely
- Vulnerability: Extremely Low
- Non-Priority Hazard

### ***Wildfire***

- Wildfires occur on an annual basis in the Sacramento County Planning Area
- Any ignition has the potential to become an out of control wildfire.
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: High
- Priority Hazard

### **A.4.3. Mitigation Strategy Meeting Handouts**

Handouts specific to the [Risk Mitigation Assessment Strategy Meetings](#) can be found in Appendix C.

### **A.4.4. Final HMPC Meeting Handouts**

The Final Meeting handout is contained in Section 2.2 of the Base Plan.

### **A.4.5. ~~Initial~~ Early Public Meeting Handouts**

#### ***Sacramento County LHMP Update: 2021 Hazards***

- Climate Change
- Dam Failure
- Drought & Water Shortage
- Earthquake
- Earthquake Liquefaction
- Floods: 1%/0.2% annual chance
- Floods: Localized Stormwater
- Landslides, Mudslides, and Debris Flow
- Levee Failure
- Pandemic
- Severe Weather: Extreme Cold and Freeze
- Severe Weather: Extreme Heat
- Severe Weather: Heavy Rains and Storms
- Severe Weather: Wind and Tornado
- Subsidence
- Volcano
- Wildfire

## *Sacramento County Historic Hazard Worksheet (Past Occurrences)*

Please fill out one sheet for each significant hazard event with as much detail as possible. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

<b>Type of event</b>	
<b>Nature and magnitude of event</b>	
<b>Location</b>	
<b>Date of event</b>	
<b>Injuries</b>	
<b>Deaths</b>	
<b>Property damage</b>	
<b>Infrastructure damage</b>	
<b>Crop damage</b>	
<b>Business/economic impacts</b>	
<b>Road/school/other closures</b>	
<b>Other damage</b>	
<b>Insured losses</b>	
<b>Federal/state disaster relief funding</b>	
<b>Opinion on likelihood of occurring again</b>	
<b>Source of information</b>	
<b>Comments</b>	
	Please return worksheets by mail, email, or fax to:
Prepared by:	Jeanine Foster, Foster Morrison
Phone:	10298 Boulder Ridge Dr.
Email:	Peyton, CO 80831
Date:	fax: (720) 893-0863
	email: jeanine.foster@fostermorrison.com

#### **A.4.6. Final Public Meeting Handouts**

The Final Meeting handout is contained in Section 2.2 of the Base Plan. There were no handouts for this meeting; only a PowerPoint presentation.