



## Chapter 3 Planning Process

**Requirements §201.6(b), §201.6(c)(1), §201.7(c)(1), and §201.7(c)(1)(ii), (iii) and (iv): An open public involvement process is essential to the development of an effective plan. In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:**

- 1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;**
- 2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia, and other private and nonprofit interests to be involved in the planning process; and**
- 3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.**

**[The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.**

Butte County, five incorporated communities, and ten special districts, in conjunction with a planning committee, prepared this Local Hazard Mitigation Plan (LHMP) Update to the Federal Emergency Management Agency (FEMA)-approved 2014 Butte County LHMP.

Butte County, Office of Emergency Management (OEM), recognized the importance and need of the update process for their 2014 LHMP and initiated the development of this 2019 LHMP Update. After receiving a grant from FEMA, which served as the primary funding source for this Plan, the County contracted with Foster Morrison Consulting, Ltd. (Foster Morrison) to facilitate and develop the Plan. Jeanine Foster, a professional planner with Foster Morrison, was the project manager in charge of overseeing the planning process and the development of this LHMP Update. Chris Morrison, also a professional planner with Foster Morrison, was the lead planner for the development of this Update. The Foster Morrison's team's role was to:

- Assist in establishing the Hazard Mitigation Planning Committee (HMPC) as defined by the Disaster Mitigation Act (DMA);
- Meet the DMA requirements as established by federal regulations and following FEMA's planning guidance;
- Support objectives under the National Flood Insurance Program's (NFIP) and the Flood Mitigation Assistance (FMA) program;
- Facilitate the entire planning process;
- Identify the data requirements that HMPC participants could provide and conduct the research and documentation necessary to augment that data;
- Assist in facilitating the public input process;
- Produce the draft and final plan documents; and
- Coordinate with the California Office of Emergency Services (Cal OES) and FEMA Region IX plan reviews.

### 3.1 Local Government Participation

Butte County, five incorporated communities, and ten special districts made a commitment to this 2019 LHMP Update, as participating jurisdictions. These 16 participating jurisdictions include:

- Butte County\*
- City of Biggs\*
- City of Chico\*
- City of Gridley\*
- City of Oroville\*
- Town of Paradise\*
- Paradise Irrigation District\*
- Thermalito Water and Sewer District\*
- Durham Irrigation District
- North Yuba Water District
- Feather River Rec and Park District
- Lake Oroville Public Utility District
- Paradise Recreation and Power District
- South Feather River Water and Power
- Butte County Office of Education (representing Butte County School Districts)

\* Participated in 2014 Butte County LHMP

Note: The Butte County Office of Education (BOE) is not included in this original submittal and will be submitting their Annex at a later date.

The DMA planning regulations and guidance stress that each local government (participating jurisdiction) seeking FEMA approval of their mitigation plan must participate in the planning effort in the following ways:

- Participate in the process as part of the HMPC;
- Detail where within the Planning Area the risk differs from that facing the entire area;
- Identify potential mitigation actions; and
- Formally adopt the plan.

For the Butte County Planning Area’s participating jurisdictions, “participation” meant the following:

- Providing facilities and printed materials for meetings;
- Attending and participating in the HMPC meetings;
- Completing and returning the Data Collection Worksheets;
- Collecting and providing other requested data (as available);
- Coordinating information sharing between internal and external agencies;
- Managing administrative details;
- Making decisions on Plan process and content;
- Identifying mitigation actions for the Plan;
- Reviewing and providing comments on Plan drafts; including annexes
- Coordinating, and participating in the public input process; and
- Coordinating the formal adoption of the Plan by the governing boards.

The County and all jurisdictions with annexes to this LHMP Update seeking FEMA approval met all of these participation requirements. In most cases one or more representatives from each jurisdiction attended the HMPC meetings described in Table 3-3 and also brought together a local planning team to help collect data, identify mitigation actions and implementation strategies, and review and provide data on Plan drafts, as detailed in Table 3-1. Other jurisdictions and public and private stakeholders supported the planning process through representation on the HMPC, providing data and input for the risk assessment and mitigation strategy; and reviewing and providing input on Plan drafts prior to finalization and submittal to Cal OES and FEMA.

As described, specific individuals representing Butte County, the five incorporated communities, and the ten special districts participating in this LHMP Update were actively involved throughout this planning process as identified in Appendix A in the sign-in sheets for the meetings and as evident through the data, information and input provided by HMPC representatives to the development of this LHMP Update. This Chapter 3 and Appendix A provides additional information and documentation of the planning process and participants to this LHMP Update.

### 3.2 The 10-Step Planning Process

Foster Morrison established the planning process for updating the 2014 Butte County LHMP using the DMA planning requirements and FEMA’s associated guidance. This guidance is structured around a four-phase process:

1. Organize Resources;
2. Assess Risks;
3. Develop the Mitigation Plan; and
4. Implement the Plan and Monitor Progress.

Into this process, Foster Morrison integrated a more detailed 10-step planning process used for FEMA’s Community Rating System (CRS) and FMA programs. Thus, the modified 10-step process used for this Plan meets the requirements of six major programs: FEMA’s Hazard Mitigation Grant Program (HMGP); Pre-Disaster Mitigation (PDM) program; CRS program; FMA Program; Severe Repetitive Loss (SRL) program; and new flood control projects authorized by the U.S. Army Corps of Engineers (USACE).

Table 3-1 shows how the modified 10-step process fits into FEMA’s four-phase process. The sections that follow describe each planning step in more detail.

*Table 3-1 Mitigation Planning Processes Used to Develop the Butte County Local Hazard Mitigation Plan Update*

DMA Process	Modified DMA/CRS Process
<b>1) Organize Resources</b>	
201.6(c)(1)/201.7(c)(1)	1) Organize the Planning Effort
201.6(b)(1)/201.7(c)(1)(i)	2) Involve the Public
201.6(b)(2) and (3)/ 201.7(c)(1)(ii), (iii) and (iv)	3) Coordinate with Other Departments and Agencies

DMA Process	Modified DMA/CRS Process
<b>2) Assess Risks</b>	
201.6(c)(2)(i)/201.7(c)(2)(i)	4) Identify the Hazards
201.6(c)(2)(ii)/201.7(c)(2)(ii)	5) Assess the Risks
<b>3) Develop the Mitigation Plan</b>	
201.6(c)(3)(i)/201.7(c)(3)(i)	6) Set Goals
201.6(c)(3)(ii)/201.7(c)(3)(ii)	7) Review Possible Activities
201.6(c)(3)(iii)/201.7(c)(3)(iii)	8) Draft an Action Plan
<b>4) Implement the Plan and Monitor Progress</b>	
201.6(c)(5)/201.7(c)(5)	9) Adopt the Plan
201.6(c)(4)/201.7(c)(4)	10) Implement, Evaluate, and Revise the Plan

This LHMP Update involved a comprehensive review and update of each section of the 2014 Butte County LHMP and includes an assessment of the success of the participating communities in evaluating, monitoring and implementing the mitigation strategy outlined in the initial plan, as previously described in more detail in Chapter 2 and Chapter 4.

The process followed to update the Plan is detailed in the above table and the sections that follow and is in conformance with the latest DMA planning guidance. As part of this LHMP Update, all sections of the Plan were reviewed and updated to reflect new data, processes, participating jurisdictions, and resulting mitigation strategies. Only the information and data still valid from the 2014 LHMP was carried forward as applicable into this LHMP Update.

**3.2.1. Phase 1: Organize Resources**

*Planning Step 1: Organize the Planning Effort*

With Butte County’s, five incorporated communities’, and ten special district’s commitment to participate in the DMA planning process, Foster Morrison worked with Butte County OEM, as overall project lead, to establish the framework and organization for development of this LHMP Update. A conference call was held with County OEM to discuss the organizational and process aspects of this LHMP Update.

Due to the devastating Camp Fire occurring in November 2018, the originally scheduled November kickoff meeting was cancelled. Instead an early planning meeting was held with County OEM, Cal OES, and Foster Morrison to establish a revised plan and timeframe for moving forward with this LHMP Update Process. As a result of the fire, the entire plan development process was compressed in order to still meet the November 2019 deadline for a new Plan based on the November 4, 2019 expiration date of the 2014 Butte County LHMP.

Instead of November, the initial kickoff meeting was held on February 5, 2019. Invitations to the kickoff meeting was extended to key county departments, the incorporated communities, tribal organizations, and special districts located within the Planning Area, as well as to other federal, state, tribal, and local

stakeholders that might have an interest in participating in the planning process. Representatives from participating jurisdictions and HMPC members to the 2014 LHMP were used as a starting point for the invite list, with additional invitations extended as appropriate throughout the planning process. The list of initial invitees is included in Appendix A.

The HMPC was established as a result of the initial meeting, as well as through interest generated through the initial public meeting and outreach conducted for this project as detailed later in this chapter. The HMPC, comprising key county, city, special district, and other government and stakeholder representatives and the public, developed this Plan with leadership from the County OEM and facilitation by Foster Morrison. Each participating jurisdiction seeking FEMA approval of the Plan had representation on the HMPC. Table 3-2 gives information on who participated on the HMPC.

*Table 3-2 Butte County Hazard Mitigation Planning Committee*

Name	Jurisdiction	Title
Pete Calarco	Dept. Development Services	Asst. Director
Heather Macdonald	BC Economic Development	Mgt. Analyst
Kamie Loeser	Northstar Eng.	Engineer
Dan Breedon	Dept. Development Services	Principal Planner
Mark Sorensen	City of Biggs	City Administrator
Mark Orme	City of Chico	City Manager
Jesse Alexander	City of Chico	Chico Fire-Rescue
Paul Eckert	City of Gridley	City Administrator
Donna Decker	City of Gridley	Planning Director
Chief Bill LaGrone	City of Oroville	Director of Public Safety
Lauren Gill	Town of Paradise	Town Manager
John Messina	Cal Fire/Town of Paradise/FSC	Butte County Fire
Shawn Rohrbacker	Feather River Rec and Park District	Gen. Manager
Scott Thompson	Feather River Rec and Park District	
Brian Wilson	Feather River Rec and Park District	
Scott McCutcheon	Lake Oroville Area Public Utility Dist.	Gen. Manager
Jayne Boucher	Thermalito Water and Sewer	Gen. Manager
Chris Heindell	Thermalito Water and Sewer	
Kevin Phillips	Paradise Irrigation District	CFO
Kamie Loeser	Durham Irrigation District	
Kamie Loeser	North Yuba Water District	
Dan Efseaff	Paradise Rec & Park District	Dist. Manager
Calli-Jane DeAnda	Butte County Fire Safe Council	Executive Director
Dan Taverner	USDA/NRCS	District Conservationist
Michelle Wetmore	Far Northern Regional	Em. Preparedness
Mark Shelton	BC General Services	Safety Officer

Name	Jurisdiction	Title
Rod Daugherty	Cal OES	ESC
Tom Fossum	BC Public Works	Floodplain
Jim Aranguren	Butte County GIS	
Cooper Cunningham	Oroville Hospital	
Bob Kiuttu	Enloe Medical Center	
Derek Bell	BCSO	
Shari McCracken	Butte County	CAO
Steve Standridge	Chico Fire & Rescue	
Brian Ring	Butte County	BC ACAO
Steve Lambert	Butte County	Chair, BOS
Doug Teeter	Butte County	Vice Chair, BOS
Victoria LaMar-Haas	Cal OES	
Emma Reed	FEMA	
Kira Souders	Butte County Admin	Mgt. Analyst Sr.-C
Shane Vargas	State Fire Marshal - Land Use	
Asia King	FEMA Region IX	Hazard Mitigation Planner
John Messina	CalFIRE	
Jesse Alexander	Chico Fire	
Mary Sakuma	Butte County Office of Education	Superintendent of Schools
Jim DeAngelo	CalOES	
Patty Arena	Enloe Medical Center	
Gina House	Cal DWR	
Jaymie Perrin	South Feather Water and Power Agency	
Courtney Farrell	CSU Chico	
Ken Worman	Cal OES	
Dan Blair	PG&E	
Jerry Hight	Butte County Office of Education	DROC Liaison
Joe Deal	City of Oroville PD	
Xing Liu	FEMA	
Scott Tucker	Butte County	PH E-Coordinator
Adam Sutkus	CalOES	
Stephanie Stephens	CalOES	
Greg Eaton	Town of Paradise	Consultant
Rob Hill	Butte County	Ag Commissioner
Steve Kenny	Butte County Fairground	CEO
Jason Mandly	BCAQMD	Air Quality Planner

Name	Jurisdiction	Title
Steve Lucas	LAFCo	
Tara Rhoads	Rock Creek Reclamation Dist	General Manager
Cindi Dunsmoor	Butte County	OES
Lori Mendoza	Butte County	County Ag
Sandy Frizell	Butte County Fairground	
Randy Murphy	Feather River Rec and Park District	
Jim Houtman	Butte County Fire Safe Council	
Mike Hensley	Gridley	
Stephen Kenny	Butte County Fairground	
Karen McCready-Hoover	Cal OES	
Kelly Riley	Cal OES	
Steve Crowder	Town of Paradise	
George Barber	Cal DWR	
Dan Sanders	Lake Oroville Area Public Utility Dist.	
John Gaddy	Cal Fire/BCFD	
Steve Solano	Oroville PD	
Lauren Sugay	Butte County Planning	

A complete list of participating HMPC representatives for each participating jurisdiction is included in Appendix A. The above list of HMPC members also includes several other government and stakeholder representatives that were invited to participate and contributed to the planning process. This list includes all HMPC members that attended one or more HMPC meetings detailed in Table 3-3. In addition to providing representation on the HMPC, participating jurisdictions formulated their own internal planning teams to collect and provide requested data and to conduct timely reviews of the draft documents as further detailed in each annex to this LHMP and as detailed in the list of HMPC representatives for Butte County. The internal planning teams from all participating jurisdictions were called upon to collect and provide requested data and to conduct timely reviews of the draft documents. Note that the above list of HMPC members also includes several other government and stakeholder representatives that contributed to the planning process. Specific participants from these other agencies are identified above and documented in Appendix A.

## Meetings

The planning process officially began with an early planning meeting with County OEM, Cal OES, and Foster Morrison on November 27, 2018. The project kick-off meeting was held in Butte County on February 5, 2019 in the Board of Supervisors Chambers, followed by public kick-off meeting held the same day and location at 6:00 pm. The meetings covered the scope of work and an introduction to the DMA planning requirements. During the HMPC meetings, participants were provided with data collection worksheets to facilitate the collection of information necessary to support development of this LHMP Update. Using FEMA guidance, these worksheets were designed to capture information on past hazard

events, identify hazards of concern to each of the participating jurisdictions, quantify values at risk to identified hazards, inventory existing capabilities, record possible mitigation actions, and to capture information on the status of mitigation action items from the 2014 Plan. A copy of the worksheets for this project are included in Appendix A. The County and each jurisdiction seeking FEMA approval of this LHMP Update completed and returned the worksheets to Foster Morrison for incorporation into the Plan document.

During the planning process, the HMPC communicated through face-to-face meetings, emails, telephone conversations, Dropbox websites, and through a County developed webpage dedicated to the Plan development process. This later website was developed to provide information to the HMPC, the public, and all other stakeholders on the LHMP Update process. Draft documents were also posted on these websites so that the HMPC members and the public could easily access and review them. The LHMP website can be accessed at:

- Butte County – <https://www.buttecounty.net/oem/mitigationplans>

The HMPC met formally five times during the planning period (February 2019 – October 2019) which adequately covers the four phases of DMA and the 10-Step CRS planning process. The formal meetings held and topics discussed are described in Table 3-3. Agendas and sign-in sheets for each of the meetings are included in Appendix A.

*Table 3-3 HMPC Meetings*

Meeting Type	Meeting Topic	Meeting Date(s)	Meeting Location(s)
Early Planning Meeting	Meeting with Butte County OEM, Cal OES, and Foster Morrison to establish a revised plan and timeframe for the LHMP development post Camp Fire	11/27/2018	Butte County Offices
HMPC #1 Kick-off Meeting	1) Introduction to DMA and the planning process 2) Overview of current LHMP; 3) Organize Resources: the role of the HMPC, planning for public involvement, coordinating with other agencies/stakeholders 4) Introduction to Hazard Identification	2/5/2019	Butte County Board of Supervisors Chambers
HMPC #2	1) Risk assessment overview and work session Part 1 (Pre-Fire Data)	4/24/2019	Butte County Human Resources Training Room
HMPC #3	1) Risk assessment overview and work session Part 2 (Post-Fire Data) 2) Review and update of mitigation goals 3) Intro to Mitigation Action Strategy	7/17/2019	Butte County Human Resources Training Room
HMPC #4*	1) Review of mitigation alternatives 2) Review and update of mitigation actions from the 2014 plan 3) Identify updated list of mitigation actions by hazard 4) Review of mitigation selection criteria 5) Update and prioritize mitigation actions 6) Mitigation Action Strategy Implementation and Draft Action Development	7/30/2019	Butte County Human Resources Training Room

Meeting Type	Meeting Topic	Meeting Date(s)	Meeting Location(s)
HMPC #5	1) Review of final HMPC, jurisdictional and public comments and input to plan 2) Review and documentation of changed conditions, vulnerabilities and mitigation priorities 3) Draft an Action Plan 4) Plan maintenance and Implementation Procedures	10/17/2019	Butte County Human Resources Training Room

\* Note: The 2nd Mitigation Strategy Meeting (on July 31, 2019) was cancelled due to the addition of a second Risk Assessment Meeting, where the first part of the Mitigation Strategy (Goals) was also addressed, and due to the efficiencies of the HMPC in working through Mitigation Actions and Projects during this first Mitigation Strategy Meeting on July 30, 2019.

## *Planning Step 2: Involve the Public*

Public stakeholders are defined as any stakeholders not attached to the local governments considered as participating jurisdictions to this LHMP Update. Up-front coordination discussions with the Butte County OEM and the HMPC established the initial plan for public involvement. Public involvement activities for this LHMP Update included press releases, social media communications, stakeholder and public meetings, development of an LHMP webpage and associated website postings, and the collection of public and stakeholder comments on the draft plan through a variety of mechanisms. Information provided to the public included an overview of the mitigation status and successes resulting from implementation of the 2014 plan as well as information on the processes, new risk assessment data, and proposed mitigation strategies for this LHMP Update. At the planning team kick-off meetings, the HMPC discussed additional strategies for public involvement and agreed to an approach using established public information mechanisms and resources within the community.

### Early Public Meeting

Public outreach for this LHMP Update began at the beginning of the plan development process with a press release issued in addition to other local outreach methods, including social media posts, and as a news release on the Butte County website. This early public meeting was held to inform the public of the purpose of the DMA and the hazard mitigation planning process for the Butte County Planning Area and to invite the public to an early public meeting to kick-off the LHMP Update project on February 5, 2019 at the Butte County Board of Supervisors Chambers.

### Final Public Meeting

The first draft of the Plan was provided to the HMPC in August 2019, with a public review draft provided in September 2019. A public meeting was held on October 16, 2019 to present the draft LHMP Update and to collect public comments on the Plan prior to finalization and submittal to Cal OES/FEMA. The public meeting was advertised in a variety of ways to maximize outreach efforts to the public at large and included a press release, an advertisement in a local newspaper, placement on the County website, and through other outreach mechanisms inviting the public to attend the public meetings. The press release and associated outreach advertising the final public meetings included information on the date, location and time of the meeting, where the draft plan could be accessed in the community, and how to provide comments on the draft Plan. In addition to a copy of the draft plan being placed on the County website in advance of these

meetings, hard copies of the draft of the plan were made available to interested parties at the Butte County Public Libraries in Biggs, Chico, Durham, Gridley, Oroville (see Figure 3-1), and Paradise.

*Figure 3-1 Public Outreach at Oroville Library*



Source: Butte County

Documentation to support the final public meeting can be found in Appendix A. In addition to advertisement 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 Butte County Planning Area. The majority of these people reside in Butte County or in surrounding communities. Because this is a multi-jurisdictional planning effort, all public outreach activities for this LHMP Update were conducted in cooperation with and on behalf of Butte County, the five incorporated communities, and the ten special districts. The formal public meetings for this project are summarized in Table 3-4.

*Table 3-4 Schedule of Public and Stakeholder Meetings*

Meeting Type	Meeting Topic	Meeting Date	Meeting Locations
Early Public Meeting	1) Intro to DMA and mitigation planning 2) 2019 LHMP Update Process	2/27/2019	Butte County Board of Supervisors Chambers
Final Public Meeting	1) Presentation of Draft LHMP and solicitation of public and stakeholder comments	10/16/2019	Butte County Board of Supervisors Chambers

If appropriate, stakeholder and public comments and recommendations were incorporated into the final Plan throughout the Plan development process, including the sections that address mitigation goals and strategies. However, no public comments were submitted on the draft Plan. All press releases, newspaper advertisements and articles, website postings, and public outreach efforts are on file with the Butte County OES and are included in Appendix A.

The draft plan is currently available online on the Butte County website at: <https://www.buttecounty.net/oem/mitigationplans>. The public outreach activities described here were conducted with participation from and on behalf of all jurisdictions participating in this LHMP Update.

### *Planning Step 3: Coordinate with Other Departments and Agencies*

Early in the planning process, the HMPC determined that data collection, mitigation strategy development, and Plan approval would be greatly enhanced by inviting other local, state and federal agencies and organizations to participate in the process. Based on their involvement in hazard mitigation planning, their landowner status in the County, and/or their interest as a neighboring jurisdiction, representatives from the following agencies were invited to participate on the HMPC:

- American Red Cross
- Berry Creek Rancheria
- Bureau of Reclamation
- California Department of Water Resources
- Cal FIRE
- California Office of Emergency Services
- California State Fire Marshall
- Cal Trans
- California Department of Fish and Game
- California Department of Water Resources
- Chico State University
- Enloe Medical Center
- Feather River Hospital
- FEMA Region IX
- Mechoopda Tribe
- Mooretown Rancheria
- National Weather Service/NOAA
- Orchard Hospital
- Oroville Hospital
- Pacific Gas & Electric
- Plumas National Forest
- Sacramento River Watershed Program
- Sierra Nevada Conservancy
- United States Corps of Engineers
- United States Department of Agriculture
- United States Forest Service

Coordination with key agencies, organizations, and advisory groups throughout the planning process allowed the HMPC to review common problems, development policies, and mitigation strategies as well as to review any conflicts or inconsistencies with regional mitigation policies, plans, programs and

regulations. Coordination involved contacting these agencies through a variety of mechanisms and informing them on how to participate in the LHMP Update process and if they had any expertise or assistance they could lend to the planning process, risk assessment, or specific mitigation strategies. Coordination with these groups included, holding face-to-face meetings, sending e-mails, some with follow up phone calls; and making phone calls alone to out of area agencies. These groups and agencies were solicited asking for their assistance and input, telling them how to become involved in the LHMP Update process, and inviting them to HMPC meetings.

In addition, as part of the overall stakeholder and agency coordination effort, the HMPC coordinated with and utilized input to the LHMP update from the following agencies:

- Cal-Adapt
- Cal OES
- CAL FIRE
- Cal Trans
- California Department of Conservation
- California Department of Finance
- California Department of Fish and Wildlife
- California Department of Food and Agriculture
- California Department of Water Resources
- California Division of Mines and Geology
- California Geological Survey
- California Invasive Plant Council
- California Natural Resources Agency
- FEMA Region IX
- Library of Congress
- National Drought Mitigation Center
- National Oceanic and Atmospheric Association
- National Performance of Dams Program
- National Register of Historic Places
- National Resource Conservation Service
- National Response Center
- National Weather Service
- Pacific Gas and Electric
- Public Policy Institute of California
- United States Army Corps of Engineers
- United States Bureau of Land Management
- United States Bureau of Reclamation
- United States Department of Agriculture
- US Department of Transportation
- United States Farm Service Agency
- United States Forest Service
- United States Geological Survey
- United States Occupational Health and Safety Agency
- Western Regional Climate Center

Several opportunities were provided for the groups listed above to participate in the planning process. At the beginning of the planning process, invitations were extended to many of these groups to actively participate on the HMPC. Specific participants from these groups are detailed in Appendix A. Others

assisted in the process by providing data directly as requested in the Data Worksheets or through data contained on their websites or as maintained by their offices. Further as part of the public outreach process, these groups were invited to attend the public meetings and to review and comment on the Plan prior to submittal to CAL OES and FEMA.

### Other Community Planning Efforts and Hazard Mitigation Activities

Coordination with other community planning efforts is also paramount to the success of this Plan. Hazard mitigation planning involves identifying existing policies, tools, and actions that will reduce a community's risk and vulnerability to hazards. Butte County uses a variety of comprehensive planning mechanisms, such as general plans and ordinances, to guide growth and development. Integrating existing planning efforts and mitigation policies and action strategies into this plan establishes a credible and comprehensive plan that ties into and supports other community programs. The development of this Plan incorporated information from the following existing plans, studies, reports, and initiatives as well as other relevant data from neighboring communities and other jurisdictions.

- CAL OES plans and data
- California Department of Finance demographic documents
- California Department of Water Resources plans and information
- California Geological Survey Plans
- CAL FIRE Fire Plans and data
- Climate Adaptation Plans
- Emergency Operations Plans
- FEMA mitigation planning documents
- Flood Insurance Studies
- General Plans – County and Cities
- National Weather Service documents
- Stormwater Master Plans
- US Department of Agriculture Reports
- US Department of Interior Plans
- US Fish and Wildlife reports
- USGS Reports

Specific source documents are referenced at the beginning of each section of Chapter 4 and Appendix B. These and other documents were reviewed and considered, as appropriate, during the collection of data to support Planning Steps 4 and 5, which include the hazard identification, vulnerability assessment, and capability assessment. Data from these plans and documents were incorporated into the risk assessment and hazard vulnerability sections of the Plan. Where the data from the existing studies and reports is used in this LHMP Update, the source document is referenced throughout this Plan document. The data was also used in determining the capability of the community in being able to implement certain mitigation strategies. Appendix B, References, provides a detailed list of references used in the preparation of this LHMP Update.

### **3.2.2. Phase 2: Assess Risks**

#### ***Planning Steps 4 and 5: Identify the Hazards and Assess the Risks***

Foster Morrison led the HMPC in a research effort to identify, document, and profile all the hazards that have, or could have, an impact on the Planning Area. Starting with the 2014 LHMP, natural hazards of concern were added, deleted, and modified for this LHMP Update. Data collection worksheets and jurisdictional annexes were developed and used in this effort to aid in determining hazards and vulnerabilities and where the risk varies across the Planning Area. Geographic information systems (GIS) were used to display, analyze, and quantify hazards and vulnerabilities.

The HMPC also conducted a capability assessment to review and document the Planning Area's current capabilities to mitigate risk from and vulnerability to hazards. By collecting information about existing government programs, policies, regulations, ordinances, and emergency plans, the HMPC could assess those activities and measures already in place that contribute to mitigating some of the risks and vulnerabilities identified.

Also addressed in this risk assessment is an assessment of each jurisdictions' floodplain management program and participation in the National Flood Insurance Program (NFIP), including a discussion of their continued compliance with NFIP requirements. However, it should be noted that this applies only to eligible NFIP communities. Participating special districts to this LHMP Update do not address their compliance with the NFIP as they are not eligible to participate in this program.

A more detailed description of the risk assessment process, methodologies, and results are included in Chapter 4 Risk Assessment.

### **3.2.3. Phase 3: Develop the Mitigation Plan**

#### ***Planning Steps 6 and 7: Set Goals and Review Possible Activities***

Foster Morrison facilitated brainstorming and discussion sessions with the HMPC that described the purpose and process of developing planning goals and objectives, a comprehensive range of mitigation alternatives, and a method of selecting and defending recommended mitigation actions using a series of selection criteria. This information is included in Chapter 5 Mitigation Strategy. Additional documentation on the process the HMPC used to develop the goals and strategy is included in Appendix C.

#### ***Planning Step 8: Draft an Action Plan***

Based on input from the HMPC regarding the draft risk assessment and the goals and activities identified in Planning Steps 6 and 7, a complete first draft of the Plan was developed. This complete draft was provided for HMPC review and comment via a Dropbox web link. Other agencies were invited to comment on this draft as well. HMPC and agency comments were integrated into the second public review draft, which was advertised and distributed to collect public input and comments. The HMPC integrated comments and issues from the public, as appropriate, along with additional internal review comments and

### 3.2.4. Phase 4: Implement the Plan and Monitor Progress

#### *Planning Step 9: Adopt the Plan*

In order to secure buy-in and officially implement this LHMP Update, the 2019 LHMP Update was adopted by the governing boards of each participating jurisdiction using the sample resolutions contained in Appendix D.

#### *Planning Step 10: Implement, Evaluate, and Revise the Plan*

The true worth of any mitigation plan is in the effectiveness of its implementation. Up to this point in the planning process, most of the HMPC's efforts have been directed at researching data, coordinating input from participating entities, and developing appropriate mitigation actions. Each recommended action includes key descriptors, such as a lead manager and possible funding sources, to help initiate implementation. An overall implementation strategy is described in Chapter 7 Plan Implementation and Maintenance.

Finally, there are numerous organizations within the Butte County Planning Area whose goals and interests interface with hazard mitigation. Coordination with these other planning efforts, as addressed in Planning Step 3, is paramount to the implementation and ongoing success of this Plan and mitigation in Butte County and is addressed further in Chapter 7.

#### **Implementation and Maintenance Process: 2014**

The 2014 Butte County, California Local Hazard Mitigation Plan Update included a process for plan maintenance and implementation of the mitigation strategy as well as formal updates to the Plan document. The 2014 process called for annual reviews of the existing LHMP with updates made to reflect new policies, changed conditions, mitigation priorities, and the implementation of mitigation strategies. In addition, the 2014 process called for a formal Plan update as required by DMA regulations every 5 years. Although these 2014 maintenance requirements were not systematically followed, this 2019 LHMP Update, once complete, will meet the DMA formal update requirements.

While systematic annual reviews of the 2014 LHMP were not carried out, the 2014 LHMP was integrated into other planning mechanisms in the County. Table 3-5 lists the planning mechanism the 2014 LHMP was integrate have similar tables that show how the 2014 LHMP was specifically integrated into their local community planning mechanisms.

*Table 3-5 Incorporation of Butte County 2014 LHMP into Other Planning Mechanisms*

<b>Planning Mechanism 2014 LHMP Was Incorporated or Implemented Through</b>	<b>Details</b>
Safety Element of the General Plan	This was accomplished both via adoption resolution and via incorporation of data, maps, and information from the 2014 LHMP into the Safety Element of the General Plan

Planning Mechanism 2014 LHMP Was Incorporated or Implemented Through	Details
Public Health Department Emergency Operations Plan	The risk assessment for the 2014 LHMP was used to inform the Public Health EOP

The Plan implementation and maintenance process as set forth in the 2014 LHMP have been updated for this LHMP Update. The revised implementation and maintenance process for this Butte County 2019 LHMP Update is set forth in Chapter 7 of this Plan document. A strategy for continued public involvement for this LHMP Update process is also included in Chapter 7.