

Alameda County Operational Area

2019 California State Wide Medical & Health Exercise



Major Flooding Event Scenario, October 1, 2019

Sponsored by Alameda County Public Health Systems Preparedness & Response Program and Alameda County EMS through HPP and PHEP Grants



Welcome & Introductions

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graph TD; A[Welcome & Introductions] --> B[Overview of Participants]; B --> C[Overview of Exercise]; C --> D[Administrative Items]
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Overview of Participants

Overview of Exercise

Administrative Items

Alameda County Statewide
Medical & Health Exercise

Participants



OES



HCSA (EMS,
PH, EH, BHCS)



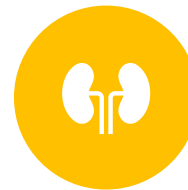
HOSPITALS



LTCFS/SNFS



CLINICS



DIALYSIS



SURGERY
CENTERS



TRANSPORT
ALS/BLS/CCT

8:30 - 9:00am	Registration & Networking
9:00 - 9:20am	Welcome, Opening Remarks, Introductions & Administrative Items
9:20 – 10:20am	Module 1: Alameda County Situation & Planning Activities Briefing Brief Pause for Reflection and Planning Considerations
10:20 – 11:00am	Module 2: Situational Update & Coordination Efforts Briefing
11:00 – 11:10am	Brief Group Breakout Discussions
11:10 – 11:20am	Break & Video
11:20 – 12:20pm	Module 3: Medical Surge, Patient Movement, Continuity of Patient Care Situation Update
12:20 – 12:50pm	Group Report Outs
12:50 – 1:20pm	Pick Up Lunch, Participant Feedback & Hotwash
1:20 – 1:40pm	11/21/19 Functional Exercise Preparation
1:40 – 1:45pm	Closing Remarks
1:45 - 2:00pm	Facilitator Debriefing, Planning Group Check-In

Exercise Purpose

Operationally address and coordinate response functions of the **Disaster Preparedness Health Coalition** and its partners to a severe flooding event that involves coordinated medical care and transportation across the **County Operational Area**.



Threat Hazard: Flood Event

Goals

- Maintain healthcare system situational awareness in coordination with the MHOAC Program and Health Care Coalition Partners.
- Coordinate messaging disseminated by the County via the JIC to healthcare coalition partners, to include those with access and functional needs (AFN).
- Coordinated interfacility patient transportation.
- Coordinate health care system patient care during a flood event.

Objectives

1. Discuss pre-event incident action planning, EOC activations and coordination activities between various OA agencies and partners related to significant weather event across Alameda County.
2. Discuss health care partner communications and situational awareness to and from the Medical Health Branch/MHOAC Program partners.
3. Discuss Operational Area MHOAC Program Coordination of resources and deployed staff.
4. Discuss pediatric and adult patient movement decisions related to priority transport, critical care expansion; and allocation of scarce resources.
5. Discuss patient tracking with pediatric and adult surge options.
6. Discuss the utilization of communications systems (ReddiNet, Med1, DPHC listserv) to share and disseminate actionable information.
7. Discuss EOC JIC Messaging to healthcare and other county partners.

Capabilities Addressed

- Health Care and Medical Response Coordination (HPP/HCPRC)
- Emergency Operations Coordination (PHEP)
- Medical Surge (PHEP/HPP/HCPRC)
- Continuity of Health Care Service Delivery (HPP/HCPRC)
- Information Sharing (PHEP)

ADMINISTRATION

- Exercise Materials
- Breakout Discussion Groups
- Mobile Phone Use & Breaks
- Emergency Exits & Evacuation Procedure
- **In a real Emergency “Stop Exercise”**

Exercise Guidelines

- Open, low-stress, no-fault environment
- Varying viewpoints are expected
- Use current plans/capabilities
- Consider different and innovative approaches
- Issue identification is not as valuable as recommended actions and improvements



Assumptions & Artificialities

During the exercise today, the following apply:

- Assume the scenario is real and will impact the jurisdiction significantly.
- Events are plausible and occur as they are presented.
- Do not fight the scenario.
- There is no hidden agenda and there are no trick questions.
- All players receive information at the same time.

Assumptions and artificialities are necessary to complete the play in the time allotted.

Exercise Ground Rules



Participate in a Collegial Manner



Share Policies and Practices that May Benefit Others



Turn off any Electronic Equipment and Participate Fully in Your Representative Role

Exercise Evaluation



- Participant Feedback Forms
- Exercise Evaluation Guides
- Hot Wash Notes
- Notes from today's exercise may be used to design and implement the Functional Exercise/Full Scale

Module 1

Scenario Module 1

A large weather front has been stalled over the region providing significant amounts of rain creating localized flooding in low lying areas of the county and small stream warnings along creeks and watershed drainages. Additionally, the storm has brought high winds to the area causing utility failures from downed trees with restorations being delayed due to the extensive damage. Several roads throughout the county

are either closed or limited due to the extensive flooding and some mudslides. If the current weather conditions continue, the flooding may cause some areas within the county to be evacuated or cut-off from access to services.



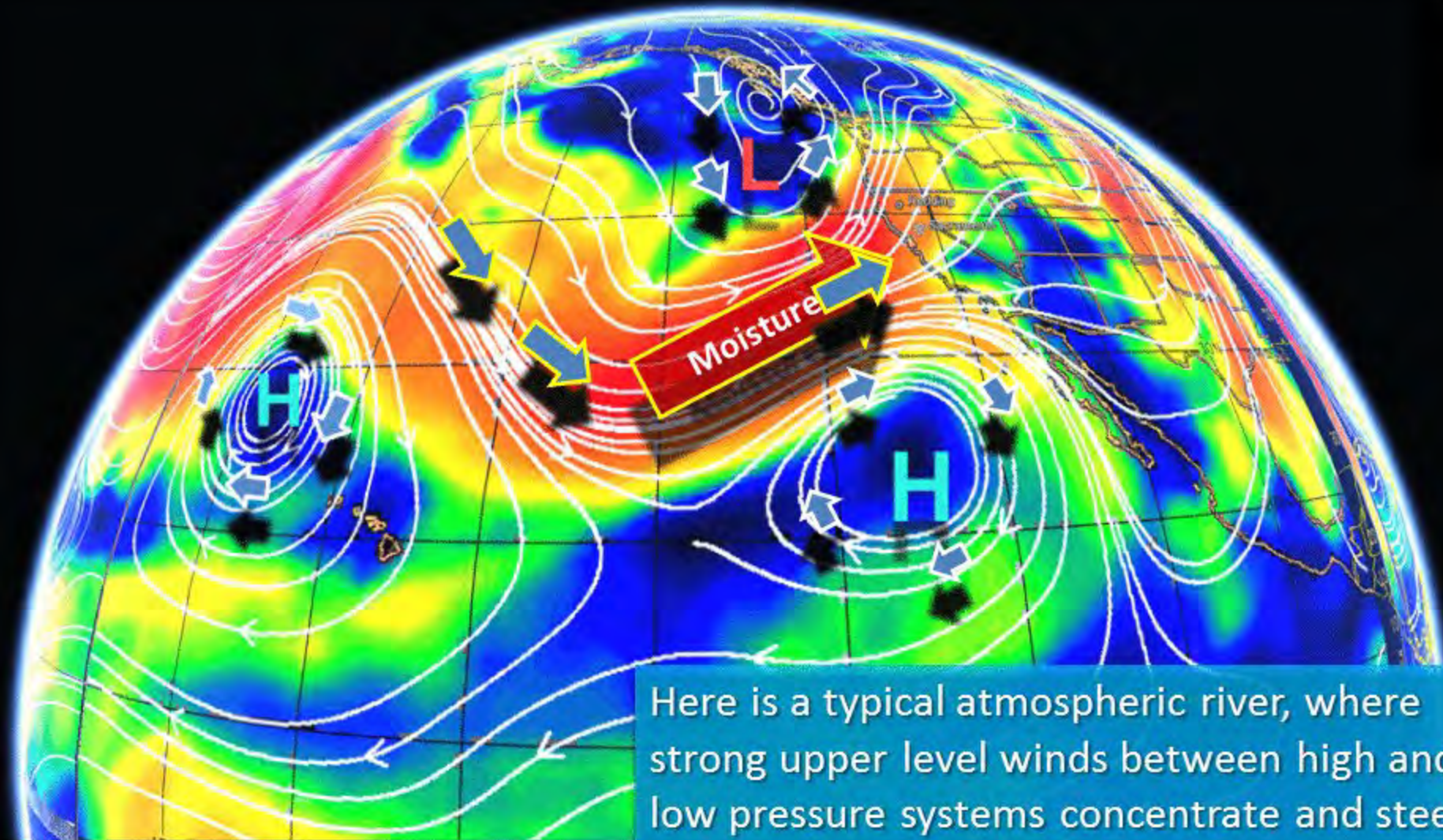
Storm in the Antelope Valley and Lake Hughes
Michael Robinson Chávez / Los Angeles Times

Alameda County Situation & Planning Activities

**BRIEFINGS & PRIORITY
ACTIVITIES**

- **Paul Hess**; Emergency Services Coordinator, Alameda County Sheriff's Office, Office of Emergency Services
- **Jeff Tang**; Associate Civil Engineer, Flood Protection Engineering Zone 7 Water Agency
- **Ron Seitz**, CEMS; Disaster Preparedness Health Coalition Long Term Care Liaison, Public Health Systems Preparedness and Response Program Specialist
- **Delia McGrath**, PE; Senior Engineer Specialist, Risk Management and Emergency Actions Plans Branch, Dam Safety Services, California State Department of Water Resources

Atmospheric River



Here is a typical atmospheric river, where strong upper level winds between high and low pressure systems concentrate and steer moist tropical air into California.





Alameda County Storms Damage



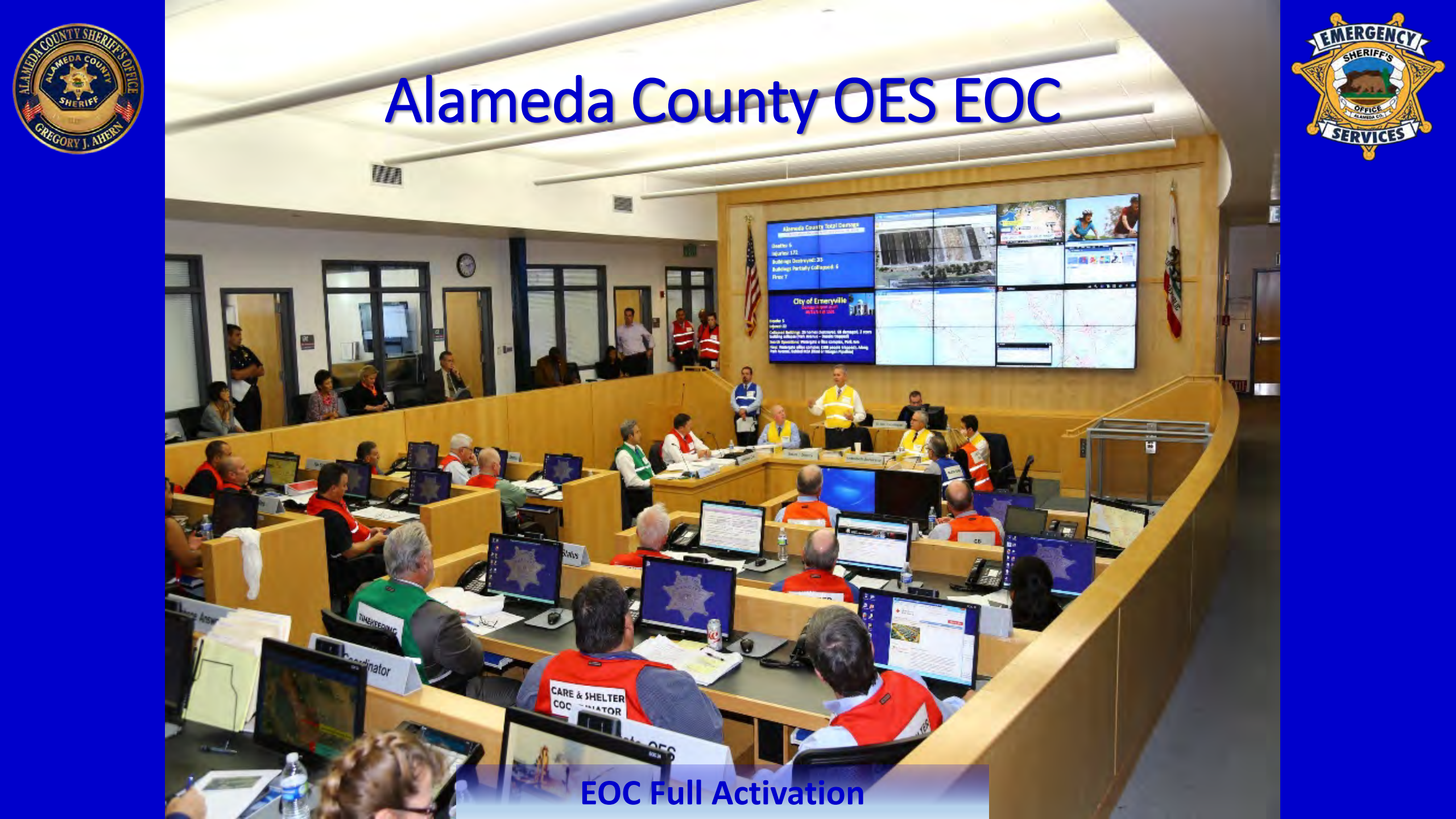
City of Oakland Damages





Alameda County OES EOC

- OES Staff - Incident Monitor Mode
- Level I – Small Incident - Partial Activation
- Level II – Large Incident - Mid to Full Activation
- Level III – Catastrophic Incident - Full Activation



Alameda County OES EOC



Alameda County Total Damages

Incidents: 6
 46,000+ 172
 Buildings Destroyed: 23
 Buildings Partially Collapsed: 6
 Paved: 7

City of Emeryville

Incidents: 5
 4,000+ 172
 Collapsed Buildings: 20 (2000+ damaged, 10 destroyed, 7 from building collapse, 13 from debris)
 1000+ Damaged Buildings & Structures, 1000+ Damaged
 1000+ Damaged Buildings & Structures, 1000+ Damaged
 1000+ Damaged Buildings & Structures, 1000+ Damaged

EOC Full Activation

Stays

Coordinator

CARE & SHELTER COORDINATOR

ALAMEDA COUNTY SHERIFF'S OFFICE

ALAMEDA COUNTY EMERGENCY OPERATIONS PLAN



UPDATED JULY 2019



Op Area Coordinating Partners:

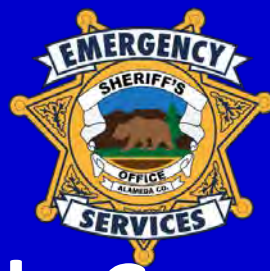
- Our 14 Cities
- Special Districts (Utilities, Schools, Others)
- External Agencies (CHP, Caltrans, DWR, Cal OES, Red Cross)
 - Private Sector
 - Others as Needed



- NWS Flood & Storm Warnings
- Flood Preparedness Messaging
- Areas to Avoid/Roads Closed
 - Protective Actions
 - Incident Conclusion



- NWS Flood & Storm Warnings
- Flood Preparedness Messaging
- Areas to Avoid/Roads Closed
 - Protective Actions
 - Incident Conclusion



Alameda County EOC

PIO Joint Information Center



**Providing Information to
the Media & the Public
PIOs & 2-1-1**



Transportation & Evacuations

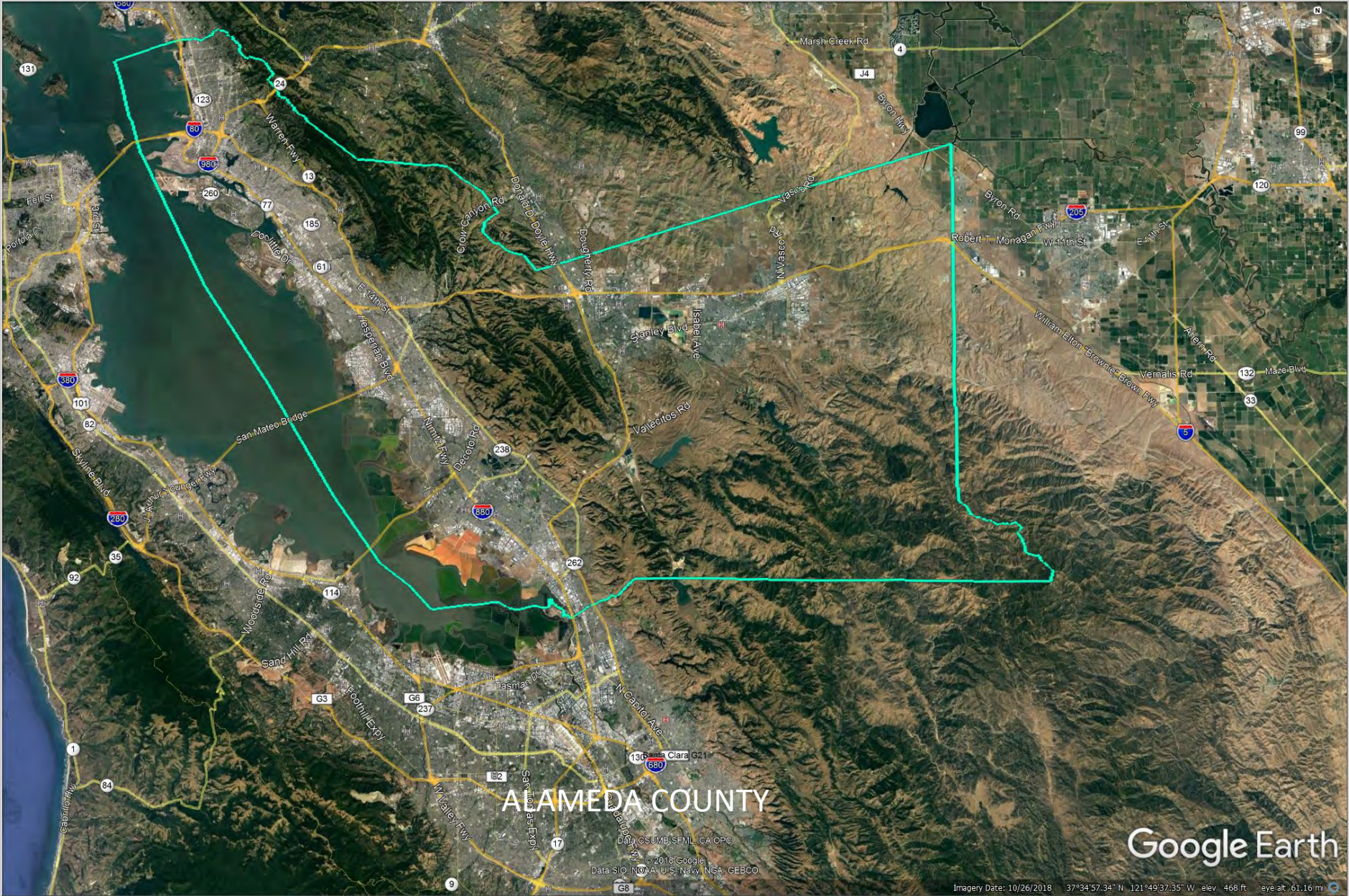




Zone 7 Water Agency

Flood Planning for Alameda County

*Jeff Tang, Associate Civil Engineer / Flood Protection
Engineering*

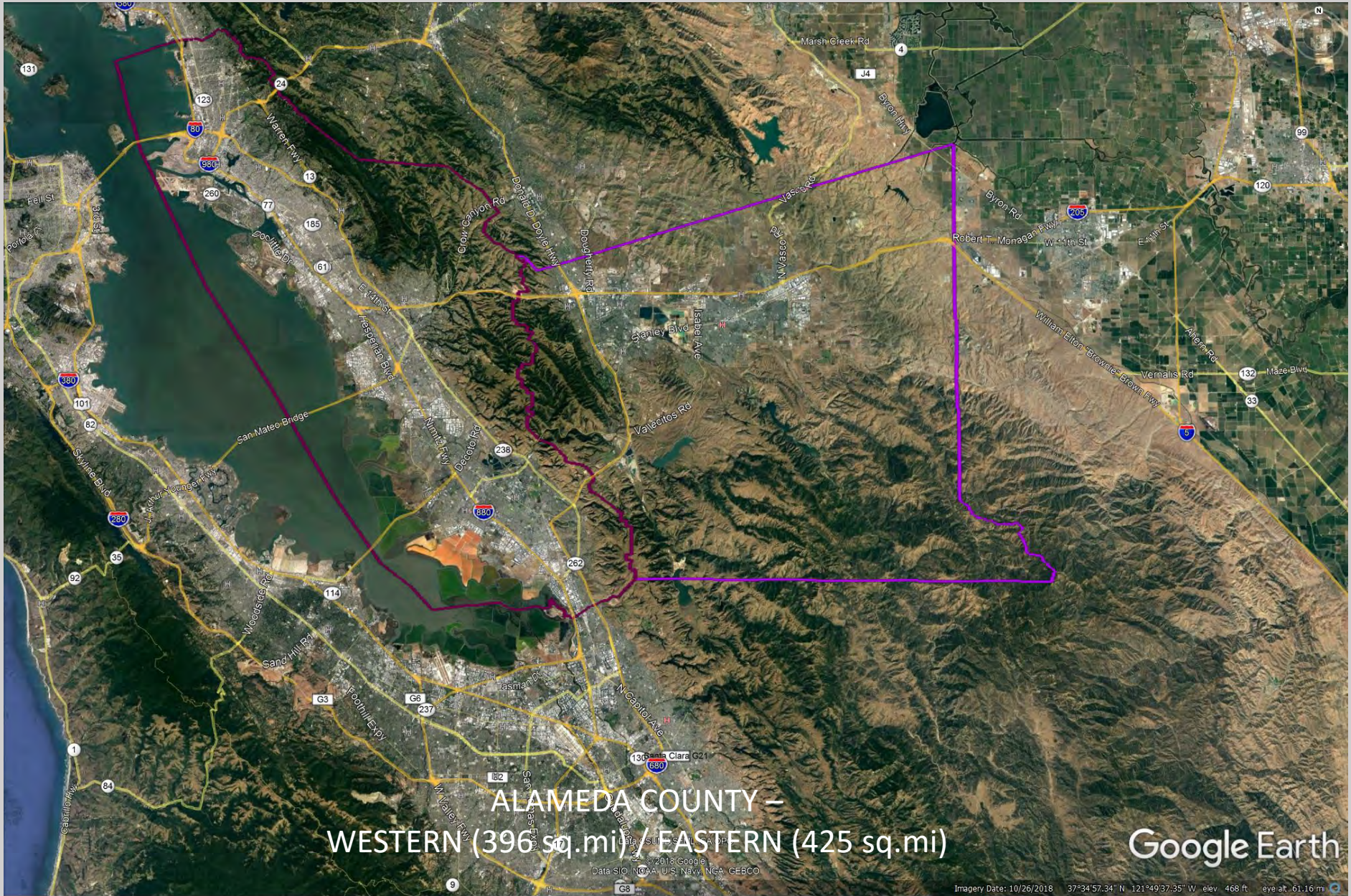


ALAMEDA COUNTY

Google Earth

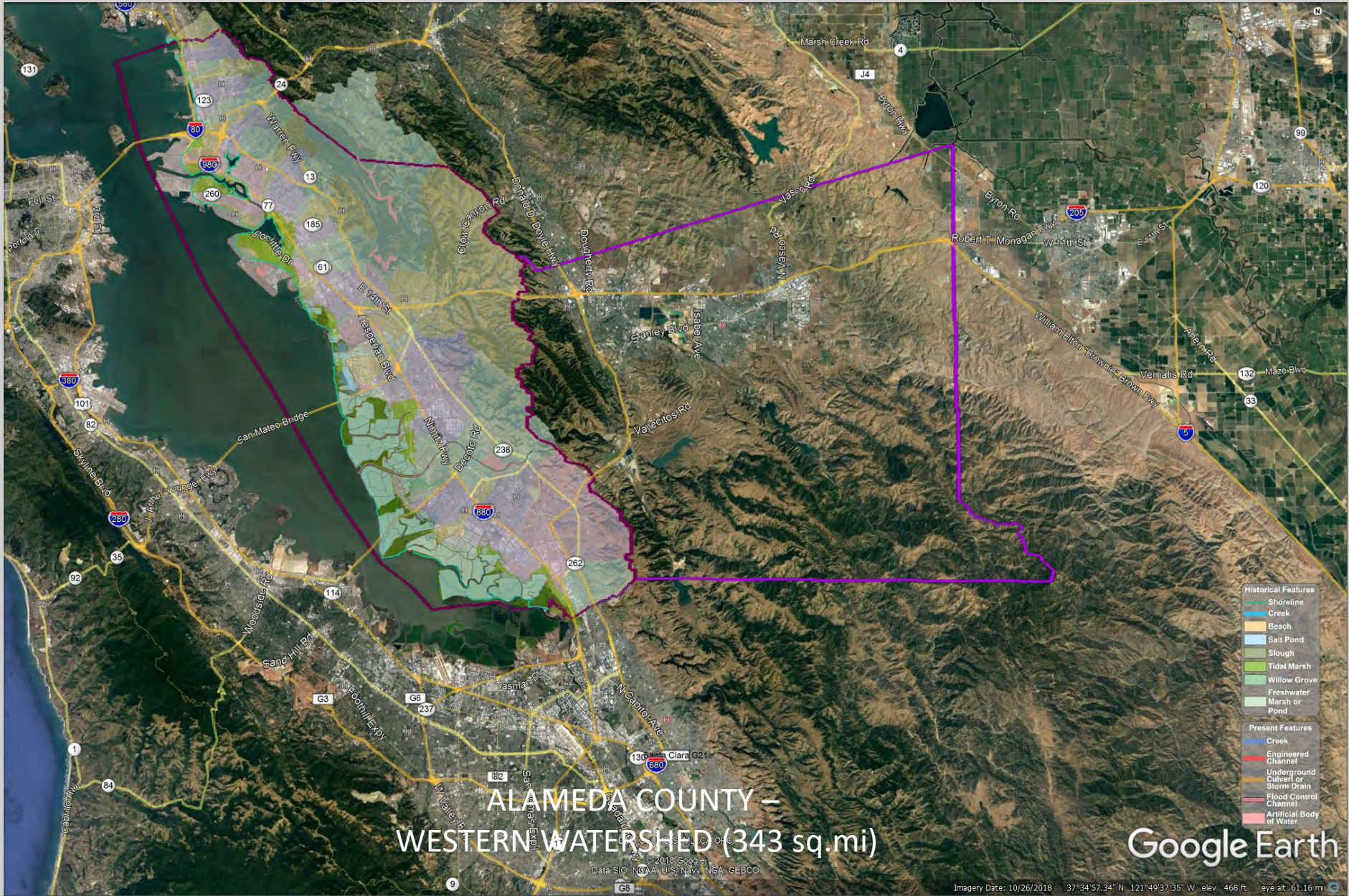
Data: CSUMB, SFML, CA OPC
© 2018 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

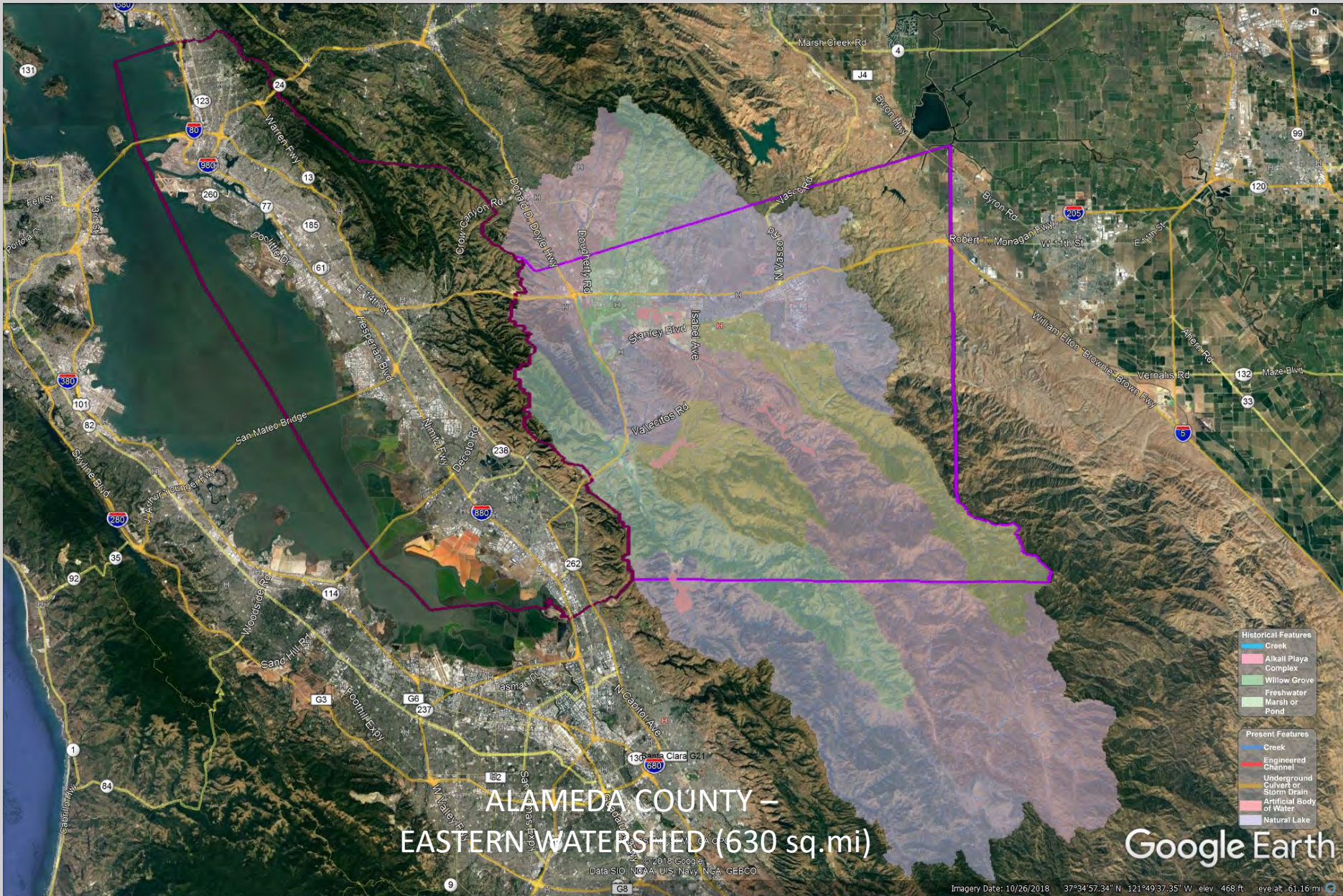
Imagery Date: 10/26/2018 37°34'57.34" N 121°49'37.35" W elev. 468 ft. eye at 61.16 m



ALAMEDA COUNTY –
WESTERN (396 sq. mi) / EASTERN (425 sq. mi)

Google Earth

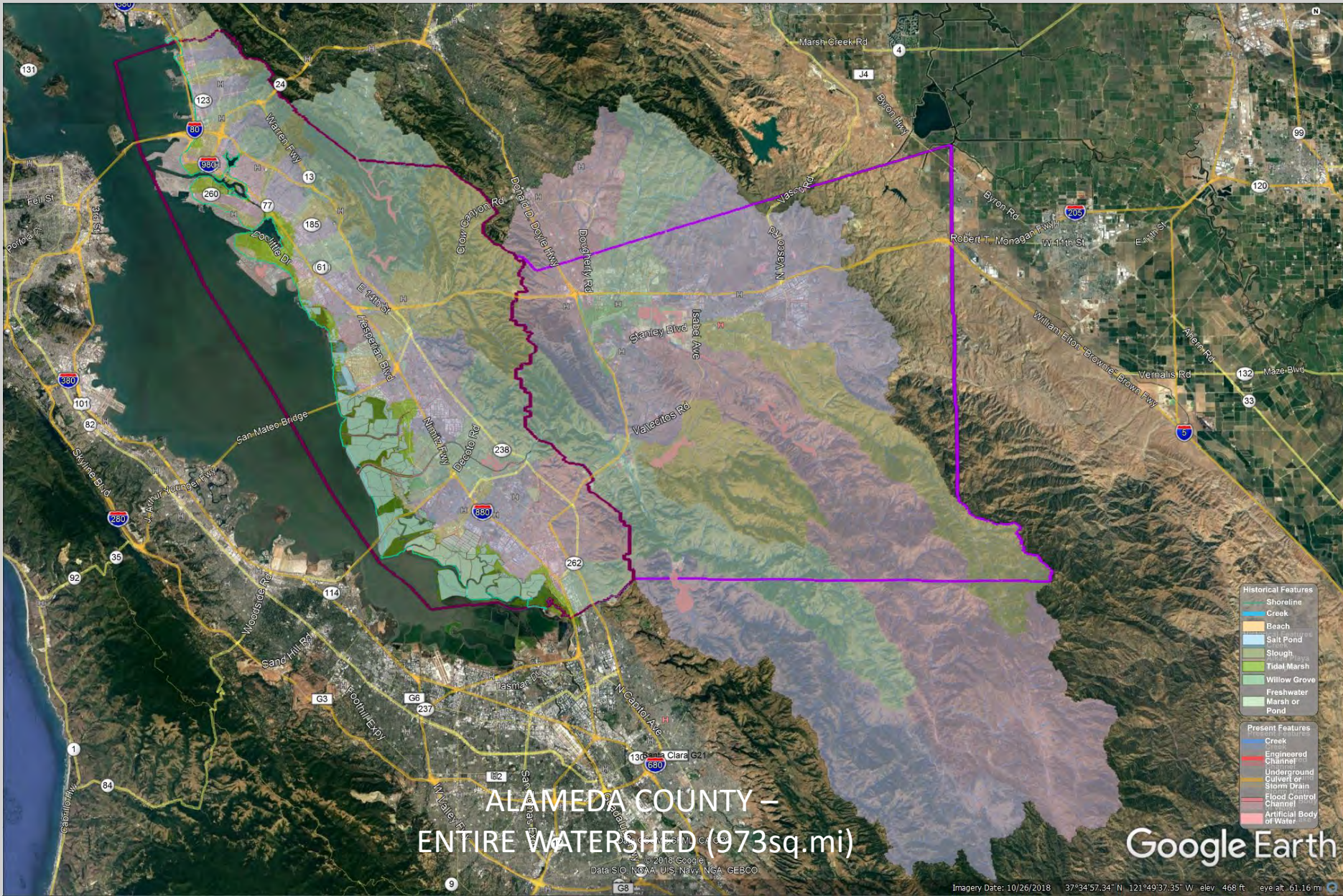




ALAMEDA COUNTY –
EASTERN WATERSHED (630 sq. mi)

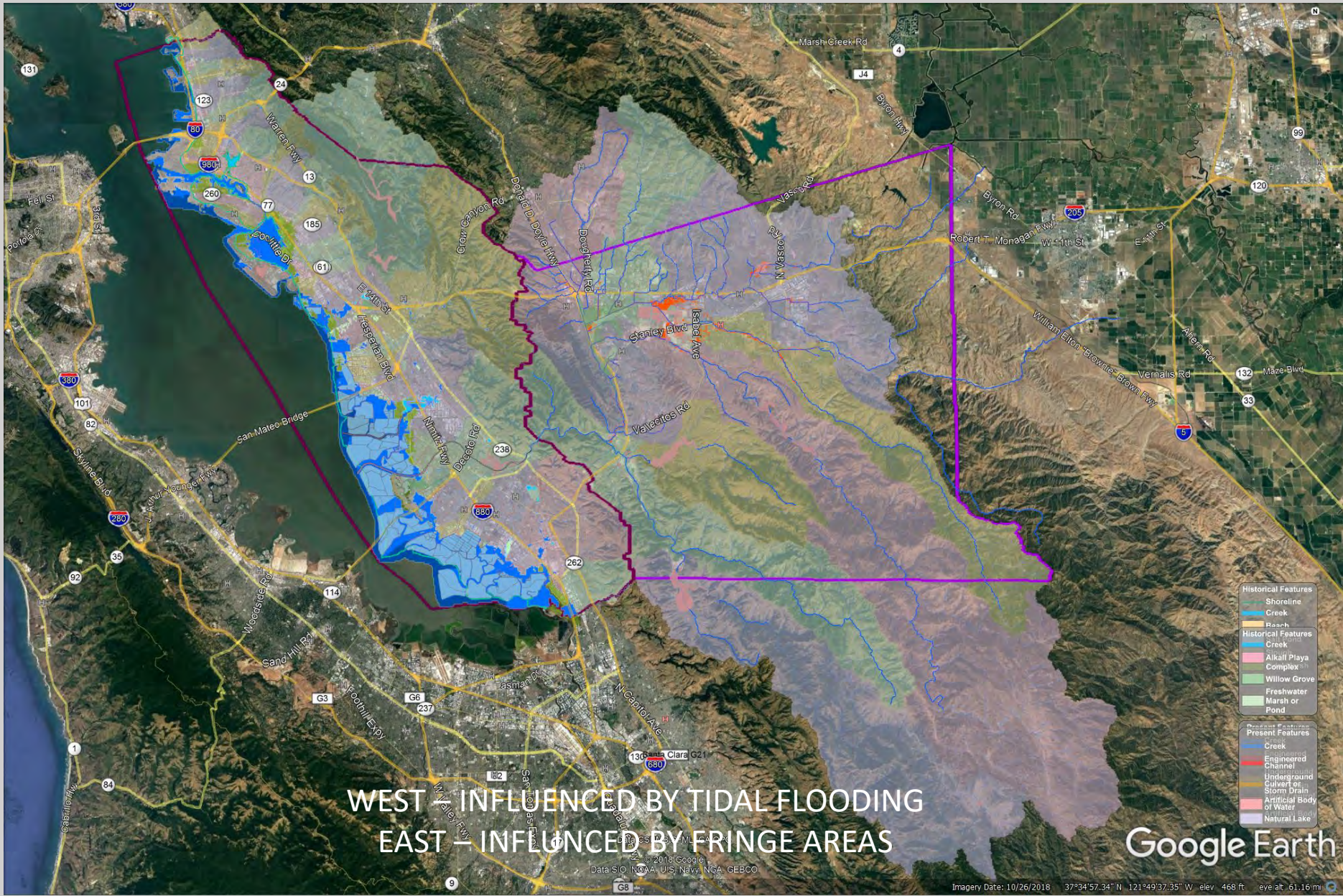
- Historical Features**
- Creek
 - Alkali Playa Complex
 - Willow Grove
 - Freshwater Marsh or Pond
- Present Features**
- Creek
 - Engineered Channel
 - Underground Culvert or Storm Drain
 - Artificial Body of Water
 - Natural Lake

Google Earth



ALAMEDA COUNTY -
ENTIRE WATERSHED (973sq. mi)

Google Earth



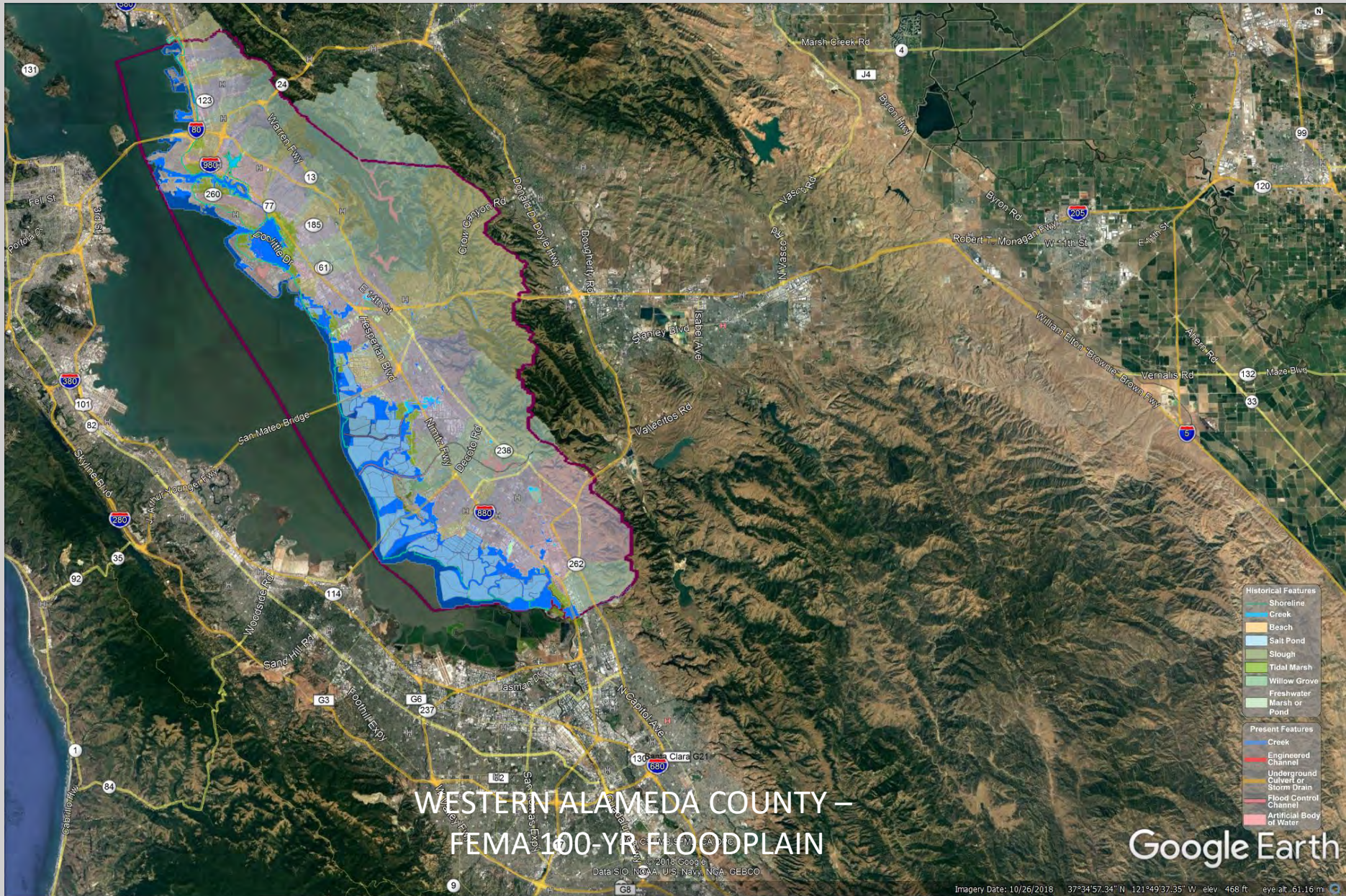
WEST – INFLUENCED BY TIDAL FLOODING
 EAST – INFLUENCED BY FRINGE AREAS

- Historical Features**
 - Shoreline
 - Creek
 - Marsh
 - Historical Features Creek
 - Alkali Playa Complex
 - Willow Grove
 - Freshwater Marsh or Pond
- Present Features**
 - Creek
 - Engineered Channel
 - Underground Culvert or Storm Drain
 - Artificial Body of Water
 - Natural Lake

Google Earth

© 2018 Google
 Data SLO, NOAA, U.S. Navy, NGA, GEBCO

Imagery Date: 10/26/2018 37°34'57.34" N 121°49'37.35" W elev. 468 ft eye at 61.16 m



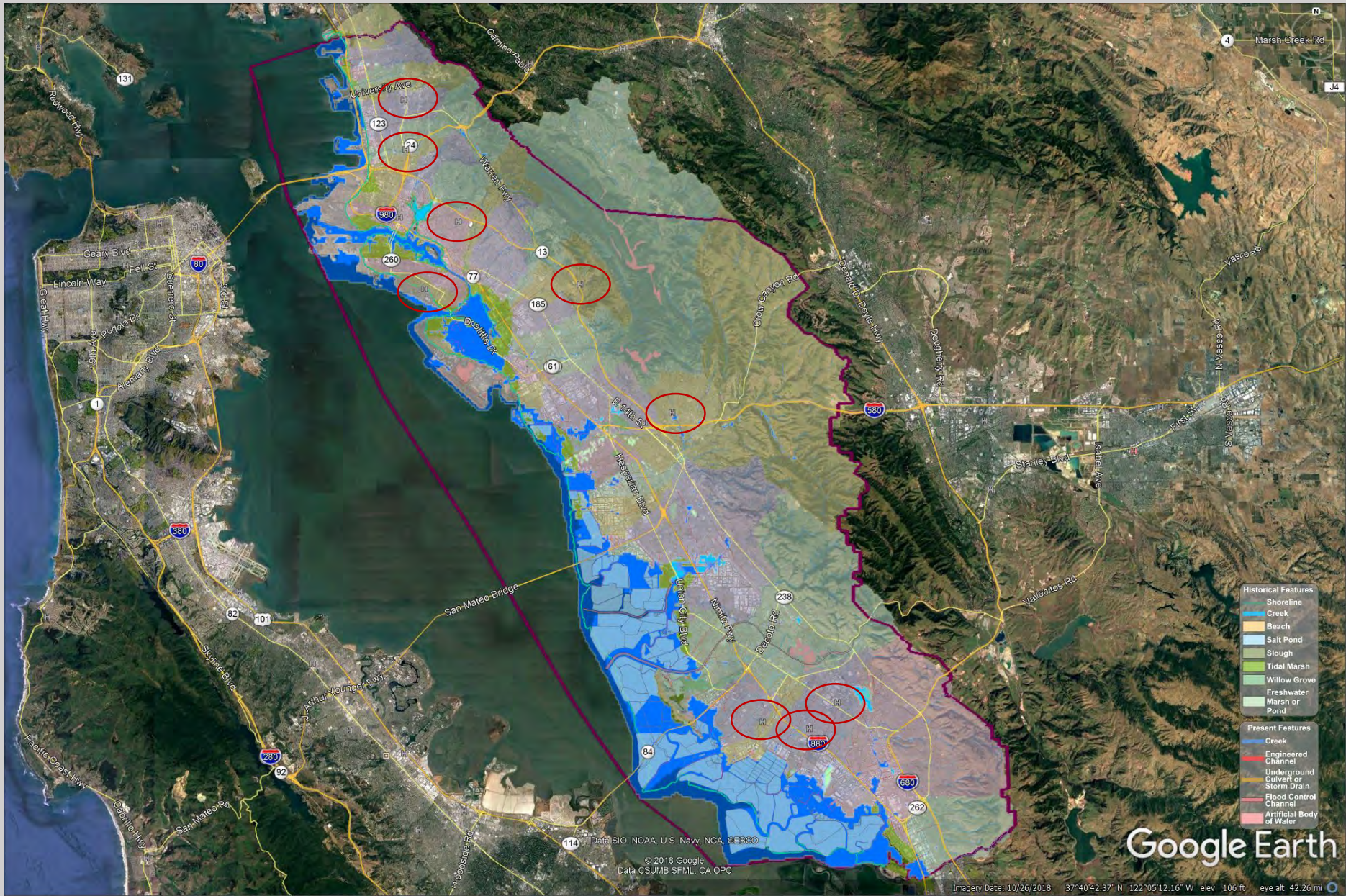
WESTERN ALAMEDA COUNTY - FEMA 100-YR FLOODPLAIN

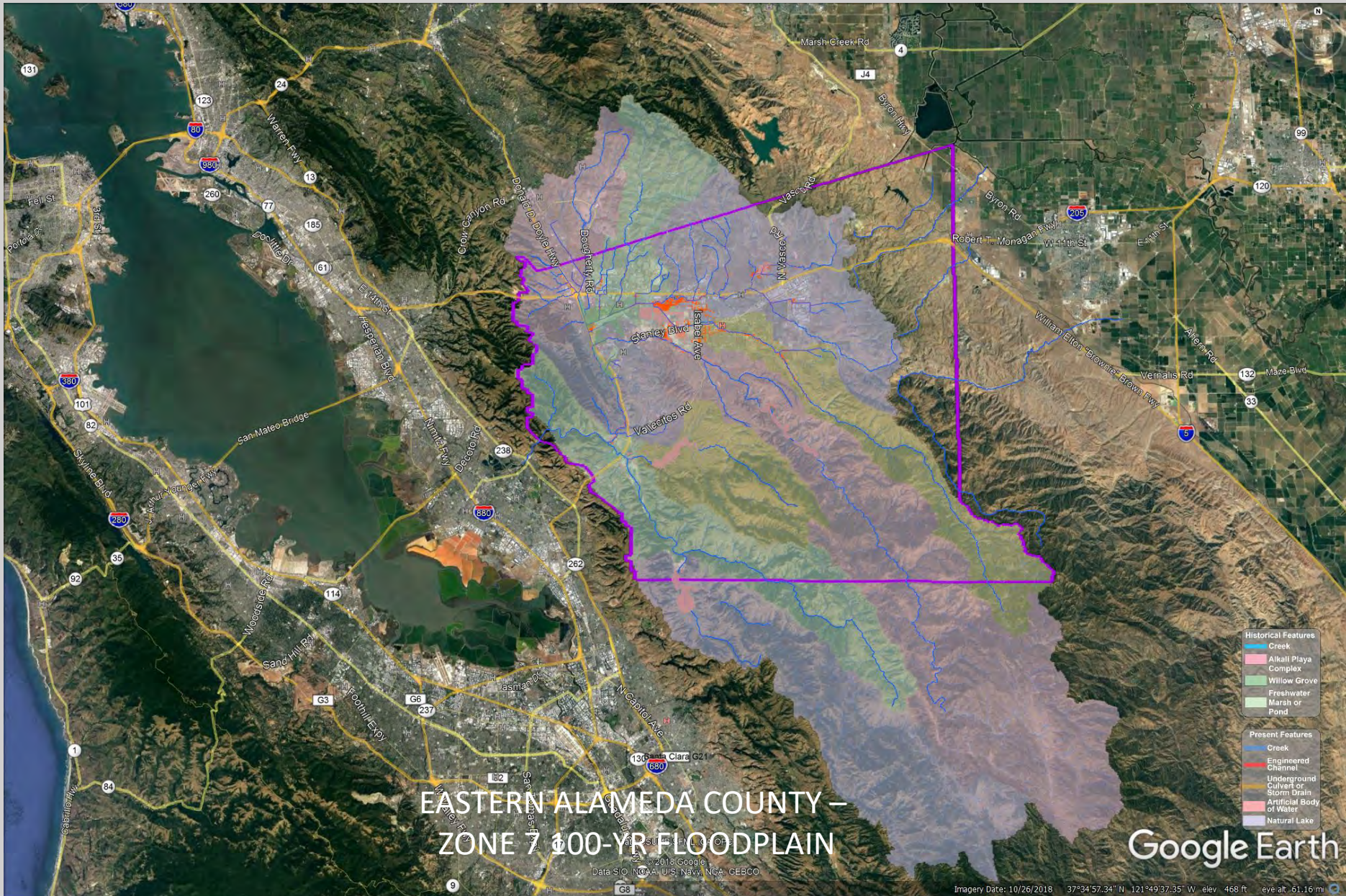
- Historical Features**
- Shoreline
 - Creek
 - Beach
 - Salt Pond
 - Slough
 - Tidal Marsh
 - Willow Grove
 - Freshwater Marsh or Pond
- Present Features**
- Creek
 - Engineered Channel
 - Underground Culvert or Storm Drain
 - Flood Control Channel
 - Artificial Body of Water

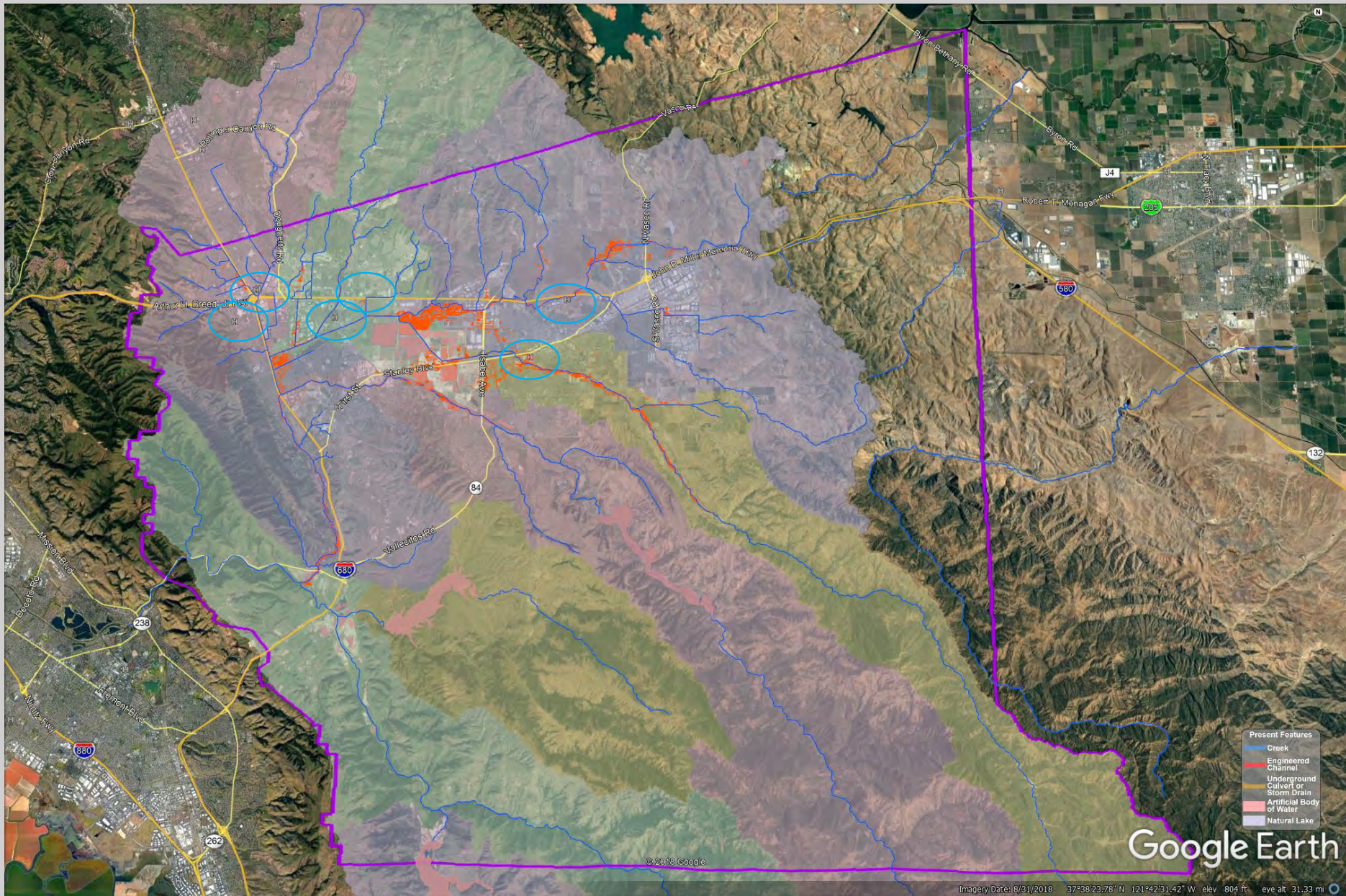
Google Earth

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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Imagery Date: 10/26/2018 37°34'57.34" N 121°49'37.35" W elev. 468 ft eye alt. 61.16 mi

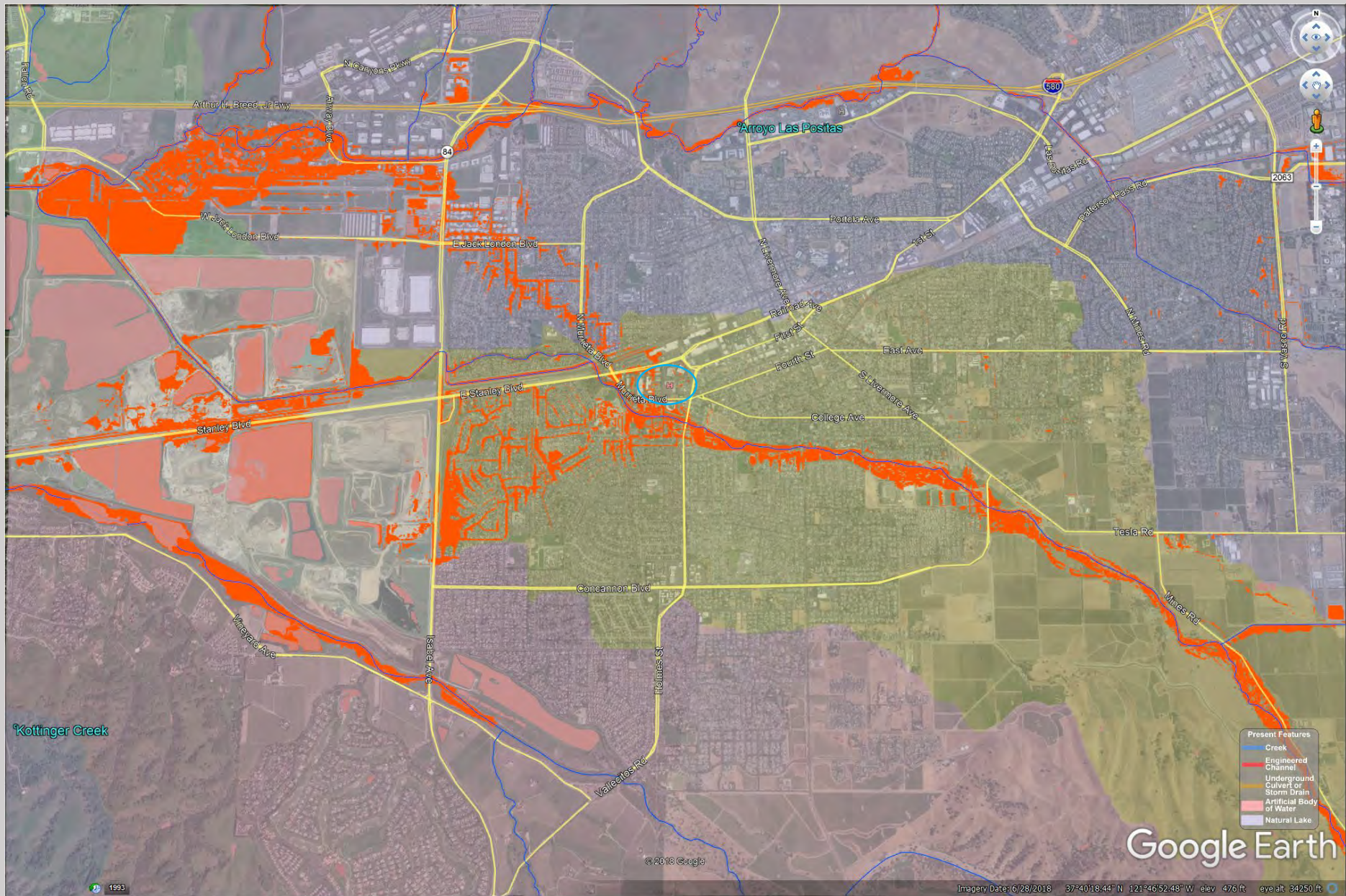


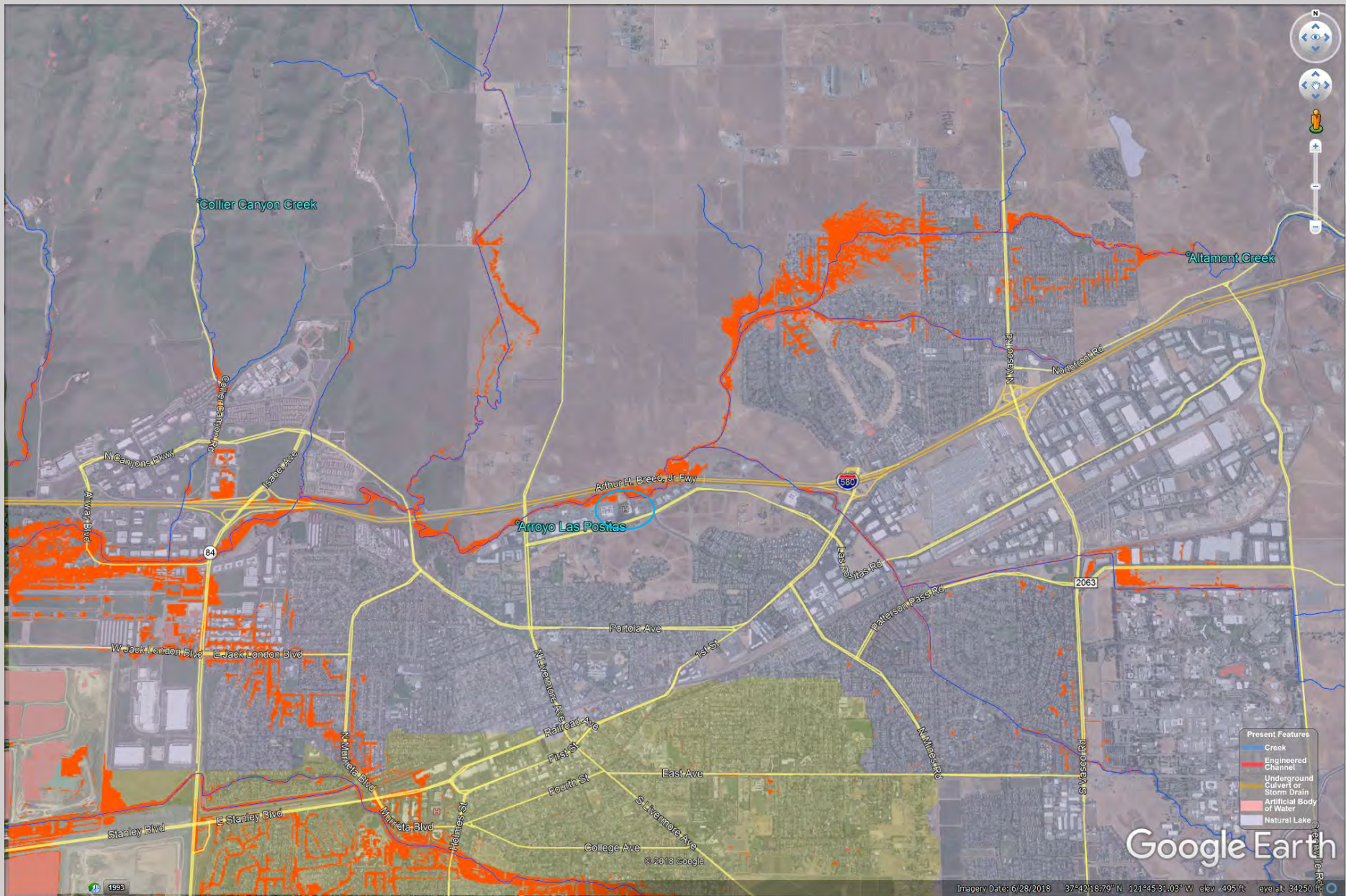




- Present Features
- Creek
 - Engineered Channel
 - Underground Culvert or Storm Drain
 - Artificial Body of Water
 - Natural Lake

Google Earth



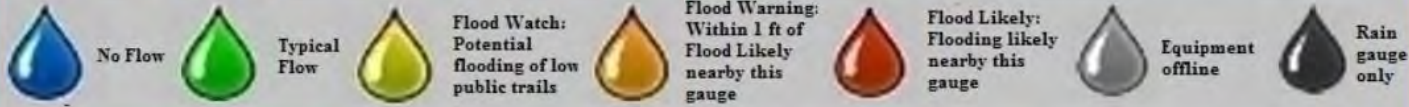


- Present Features
- Creek
 - Engineered Channel
 - Underground Culvert or Storm Drain
 - Artificial Body of Water
 - Natural Lake

Google Earth

STORM CENTRAL

Log in



xylem brand

NETWORKS

Public Networks Map

1 Rain Gauges

ALTC_BD - Altamont Creek at Bluebell Dr (Zone 7)

AMNL - Arroyo Mocho near Livermore (Zone 7)

AMP - Arroyo Mocho near Pleasanton - (Zone 7)

CM_NC - Rain Gauge at 100 North Canyons Parkway (Zone 7)

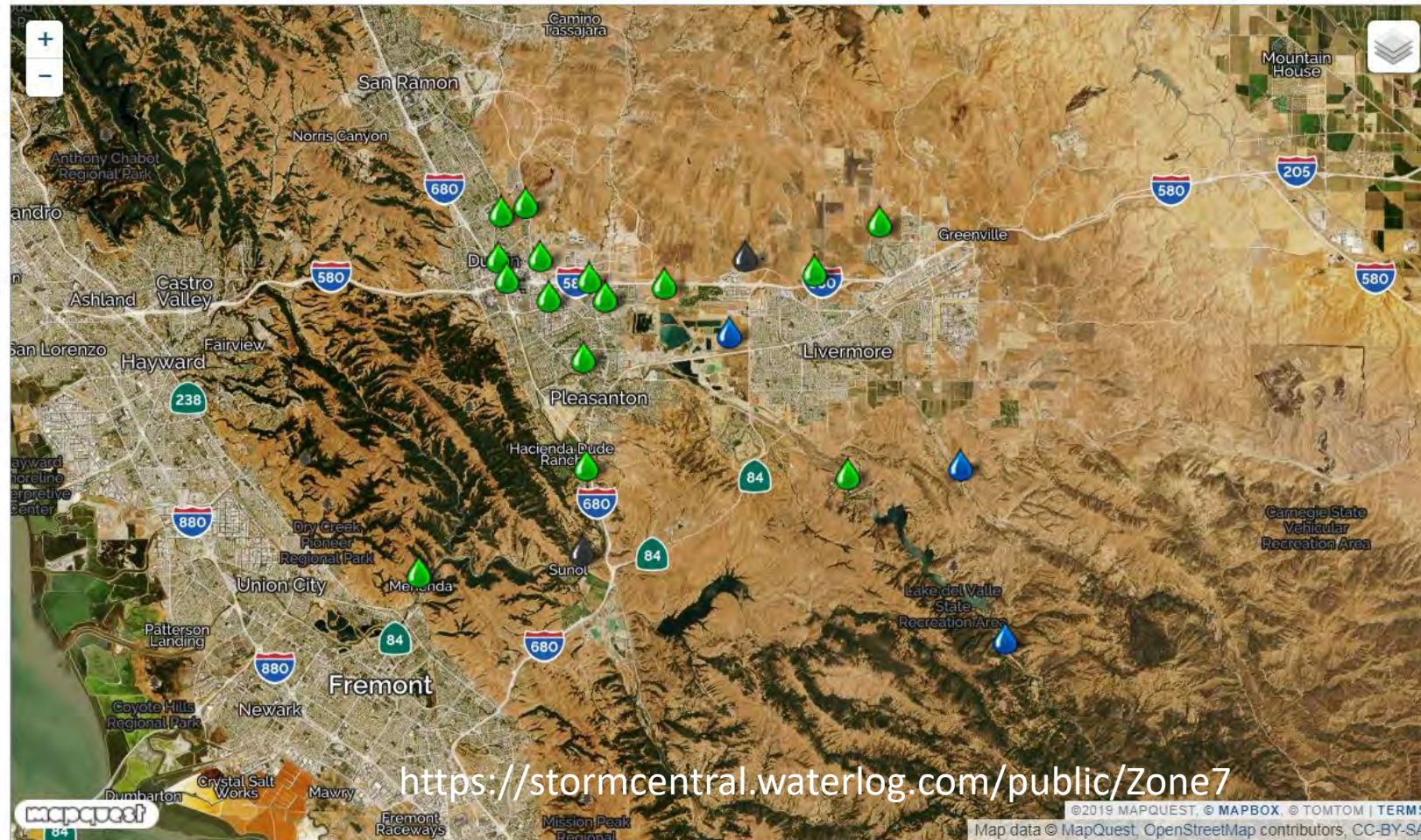
CM_SGE - Rain Gauge at Sunol Glen Elementary School (Zone 7)

LG1_DB - Line G-1 at Dublin Blvd (Zone 7)

LJ1_BDB - Line J-1 below Dublin Blvd (Zone 7)

TC_BI580 - Tassajara Creek below I-580 (Zone 7)

2 Stream Gauges Zone 7



Alameda County Public Health Mapping

Ron Seitz / Matt Byers



DPHC Hub Locations with Top
Critical Facilities

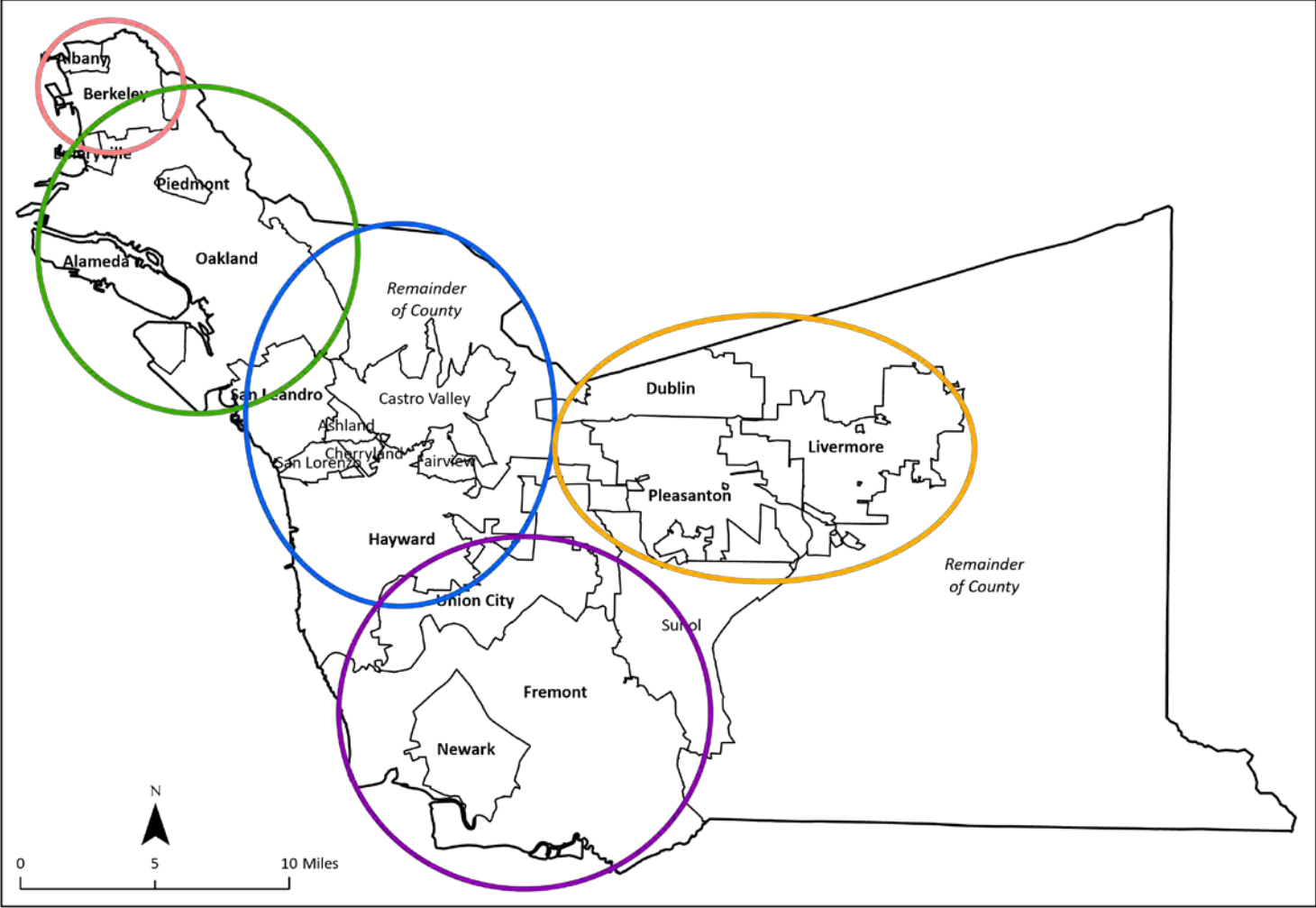


Flood Threats to Locations



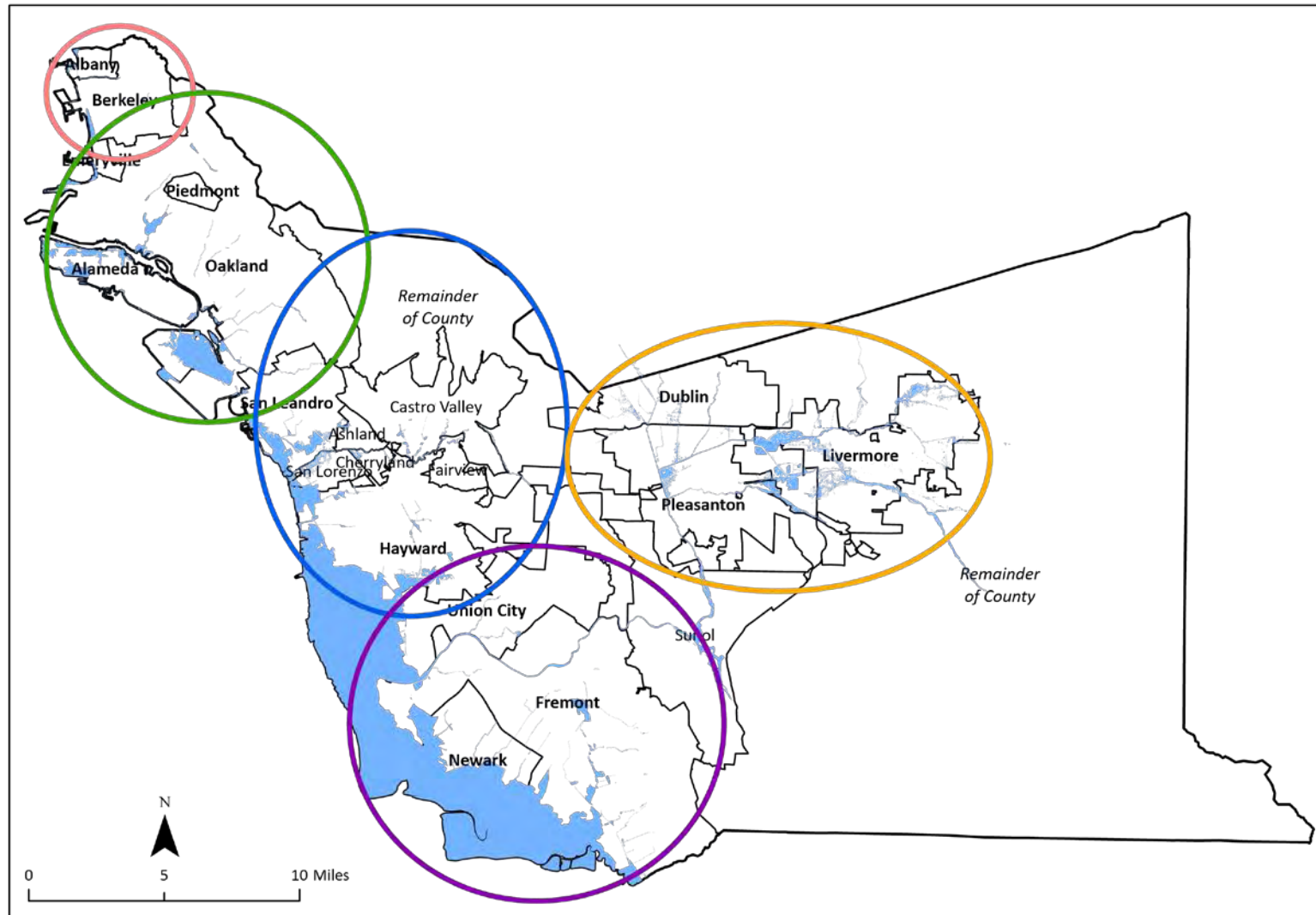
PG & E – Electricity Dependent
Medicare Beneficiaries

Hubs



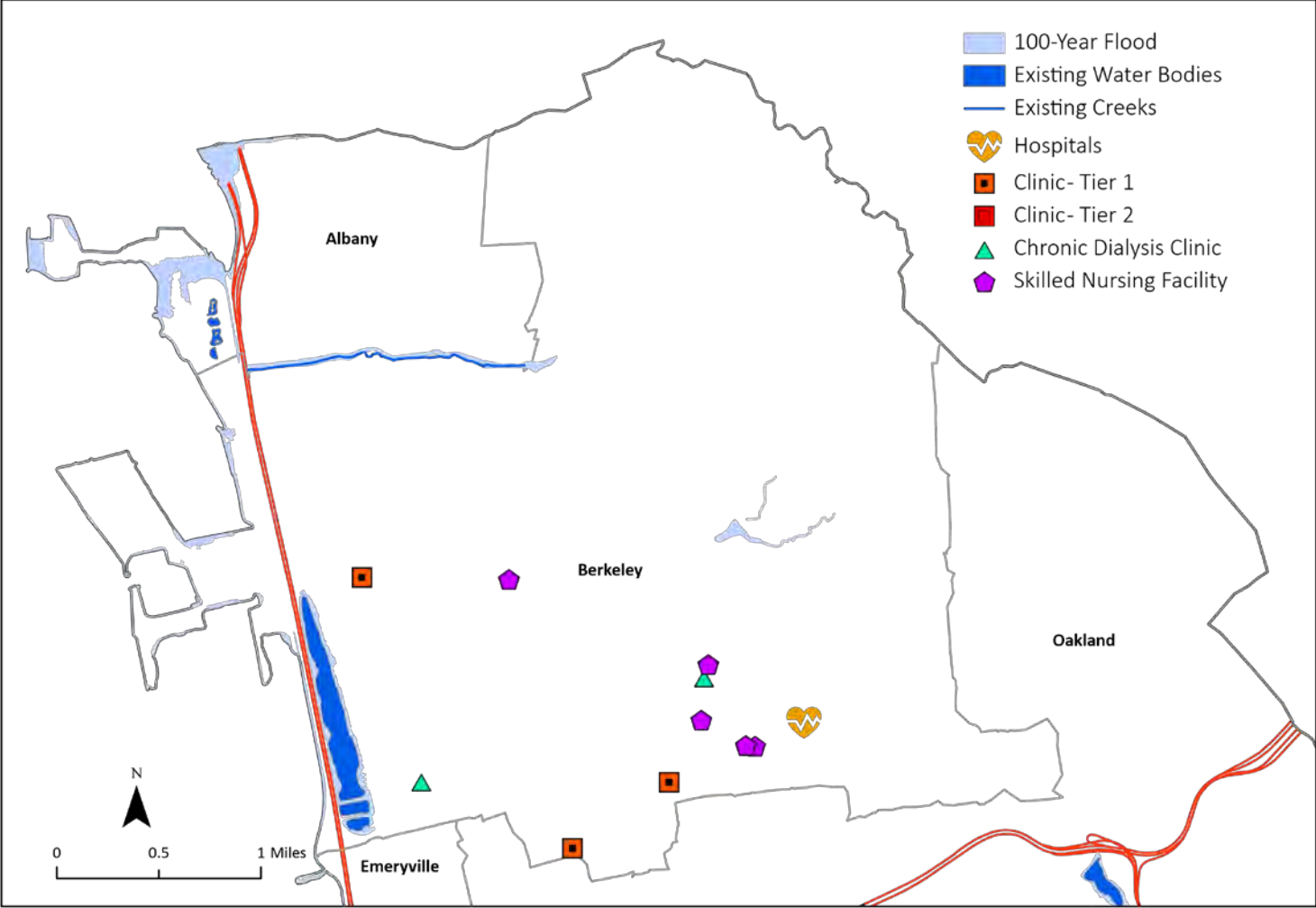
Source: CAPE, with data from ACPHD Emergency Preparedness.

100-Year Flood Plain



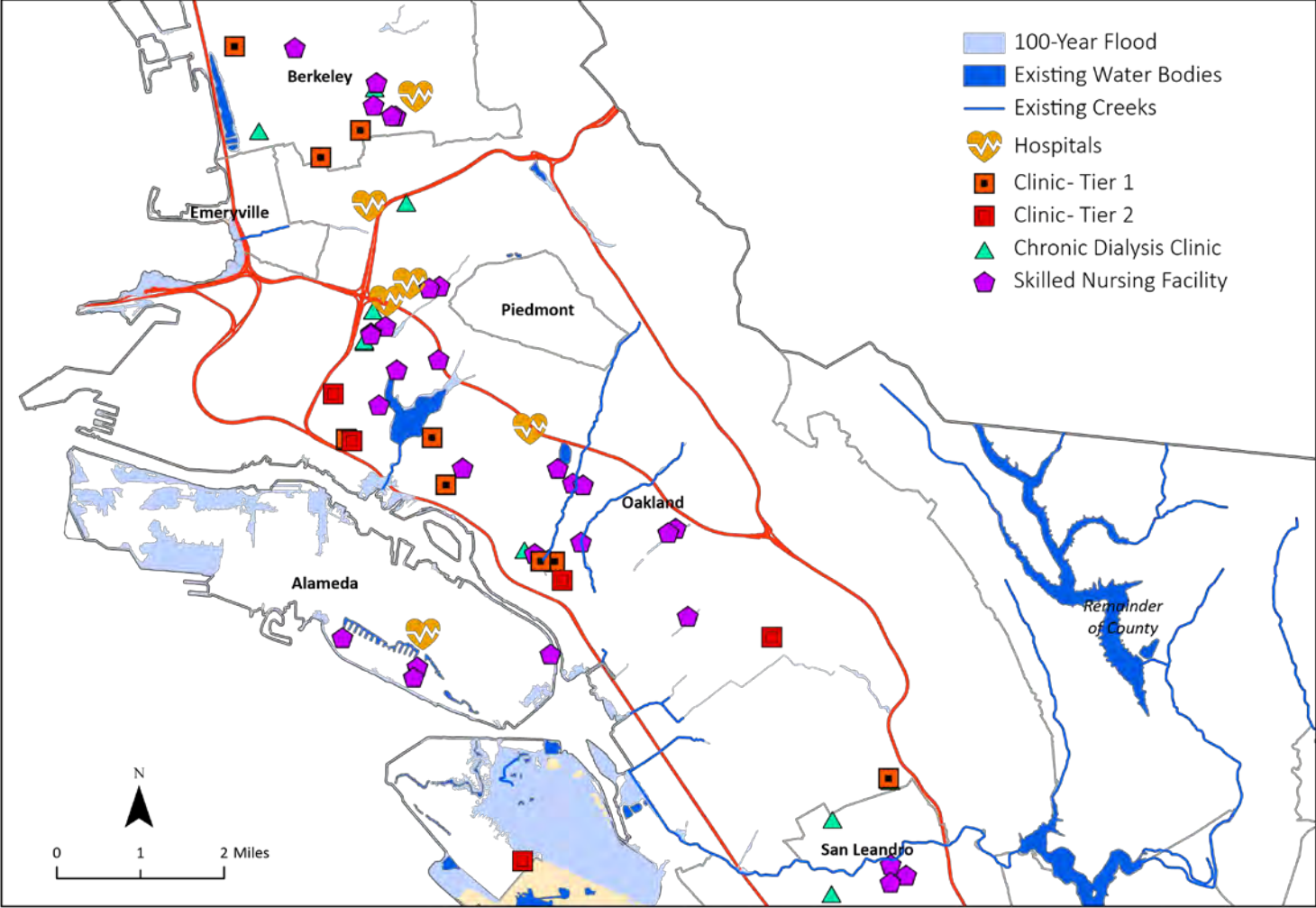
Source: CAPE, with data from ACPHD Emergency Preparedness.

North County Hub



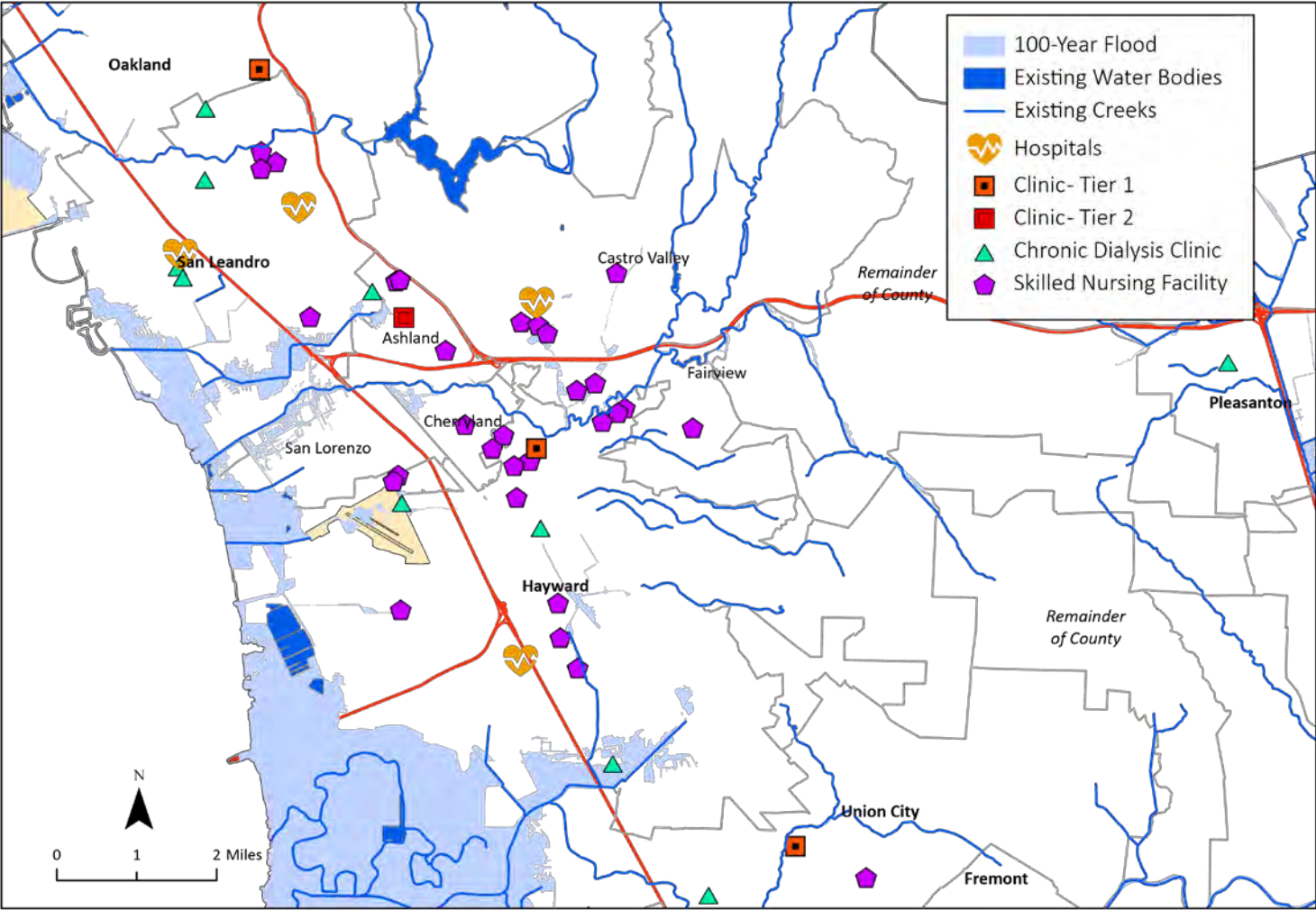
Source: CAPE, with data from ACPHD Emergency Preparedness.

Oakland Area Hub



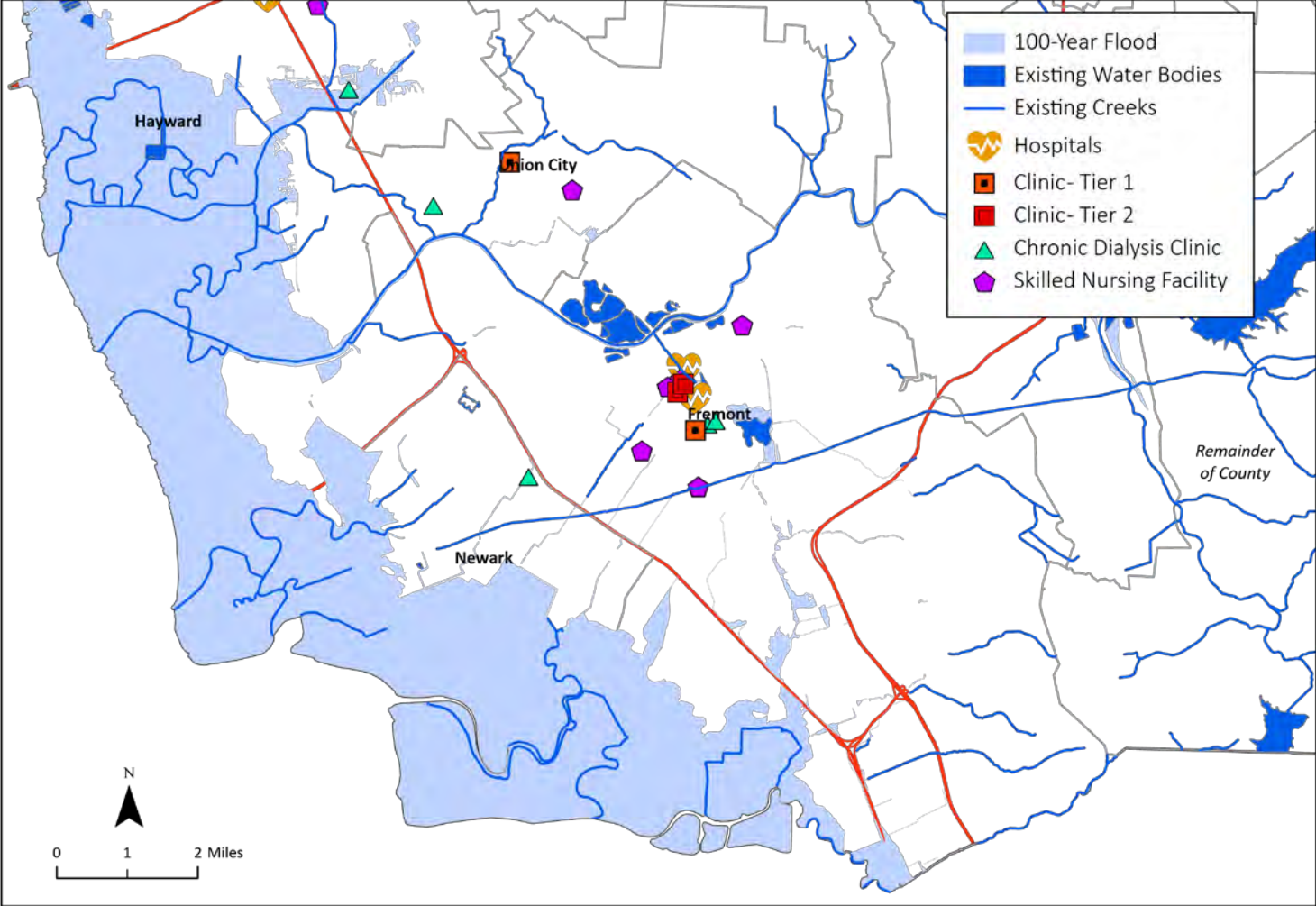
Source: CAPE, with data from ACPHD Emergency Preparedness.

Eden Area/Central County Hub



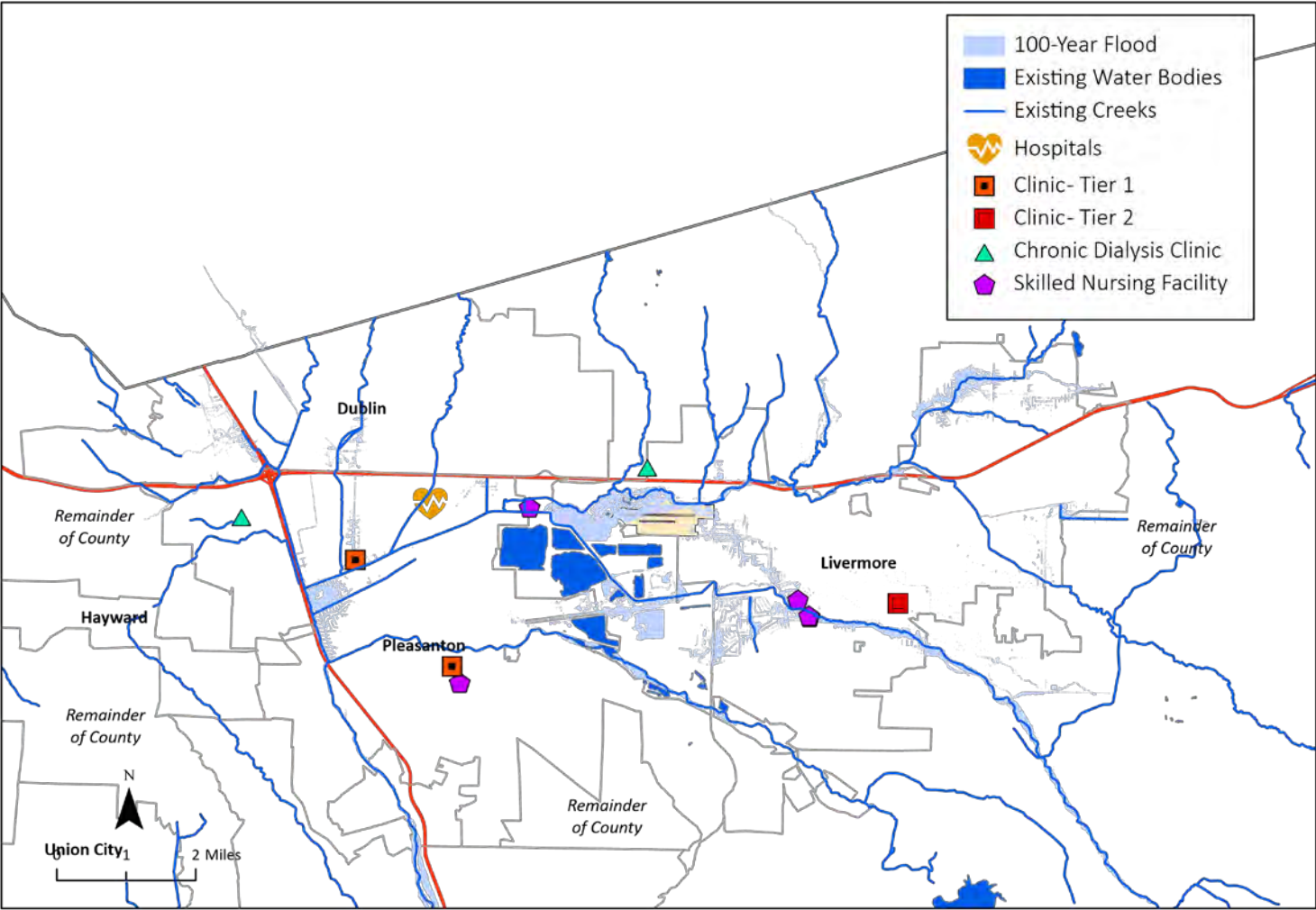
Source: CAPE, with data from ACPHD Emergency Preparedness.

Tri-City/South County Hub



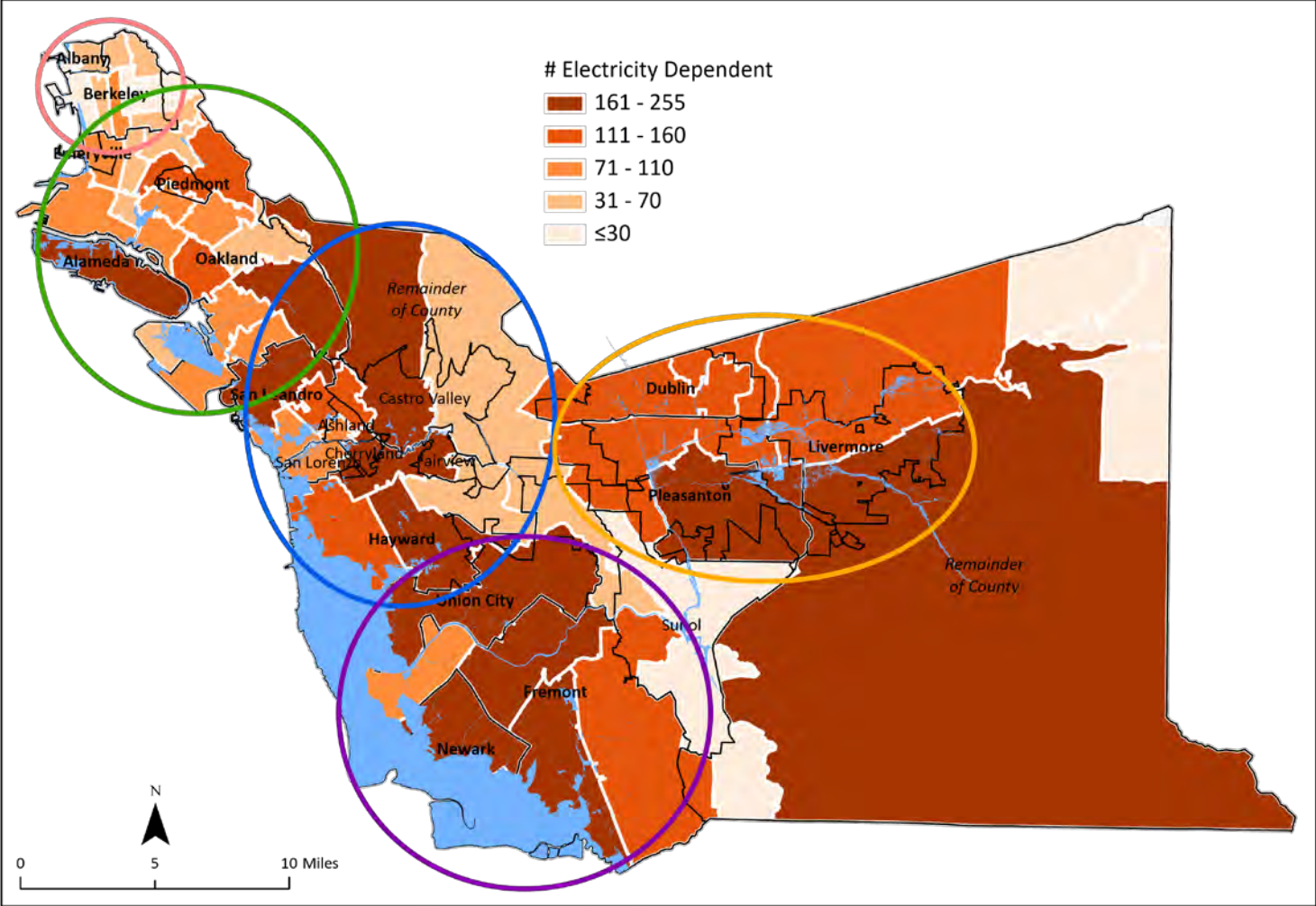
Source: CAPE, with data from ACPHD Emergency Preparedness.

Tri-City/East County Hub



Source: CAPE, with data from ACPHD Emergency Preparedness.

Electricity-Dependent Medicare Beneficiaries



Source: CAPE, with data from ACPHD Emergency Preparedness and emPOWER.

Emergency Action Plan
Del Valle Dam
State Dam no. 1-056



Delia McGrath, P.E.
DWR O&M Dam Safety Services

Del Valle Dam – Vicinity Map



Del Valle Dam - CDEC Station: DLV cdec.water.ca.gov

The screenshot shows the CDEC Station Locator web application. The browser address bar displays <http://cdec.water.ca.gov/cdecstation2/>. The page header includes the Department of Water Resources logo and the text "CALIFORNIA DATA EXCHANGE CENTER". A search bar is present with the text "Search" and a dropdown menu showing "DWR" and "California".

The main content area features a map of the San Francisco Bay Area with several station locations marked. A pop-up window for the "DLV - DEL VALLE" station is open, displaying the following information:

Elevation	703
Nearby City	LIVERMORE
County Name	ALAMEDA
River Basin	ALAMEDA CR
Agency Name	CA Dept of Water Resources/Operations and Maintenance
Hydrologic Area	SAN FRANCISCO BAY
Latitude	37.614
Longitude	-121.745

Below the station details, a "Sensors:" section lists various data types available for the station:

- RESERVOIR, SCHEDULED RELEASE, cfs | EVENT | REL SCH
- RESERVOIR STORAGE, af | HOURLY | STORAGE
- RESERVOIR ELEVATION, feet | DAILY | RES ELE
- RESERVOIR ELEVATION, feet | HOURLY | RES ELE
- RESERVOIR STORAGE, af | DAILY | STORAGE
- RESERVOIR STORAGE, af | MONTHLY | STORAGE

On the right side of the map, a "Station Locator" panel shows the search results for "DLV (DEL VALLE)", indicating that 24 stations were found. A list of stations is provided, including DLV, ACD, ACC, ALN, AHD, AVL, BAW, CVE, CVC, JNR, and MSP. At the bottom of the panel, there is a "Download Stations:" section with options for "All" and "Current Page".

Del Valle Dam - CDEC Station: ALN



Figure 25 – Niles Gaging Station west of Sunol, CDEC Station ID: ALN

Del Valle Dam - Emergency Action Plan

Purpose - to safeguard the public, DWR employees, and minimize the property damage during a dam emergency.

Provides guidance for:

- Classifying emergency conditions
 - **High Flow Operations** - Indicates that flooding is occurring on the downstream river system, but there is no apparent threat to the integrity of Del Valle Dam.
 - **Non-Failure Emergency**
 - **Potential Failure**
 - **Emergency Failure**
- Prioritizing emergency response actions
- Notifying Emergency Management Agencies

DAM EAP Responsibilities During High Flow Operations

California DWR

- Notification of the EAP activation.
- Providing EMAs and law enforcement agencies with timely and accurate information regarding releases from the dam, and changes in emergency level, including termination of the declared emergency at the facility.
- **DWR makes notifications following the EAP Notification Flowcharts and will NOT notify the general public.**

Alameda County Sheriff and California Highway Patrol - implementing evacuation orders if determined necessary by local agencies.

National Weather Service - issuing Flood Advisories, Flood Watches, Flood Warnings, Flash Flood Warnings to the public through local radio, television, internet, and other media.

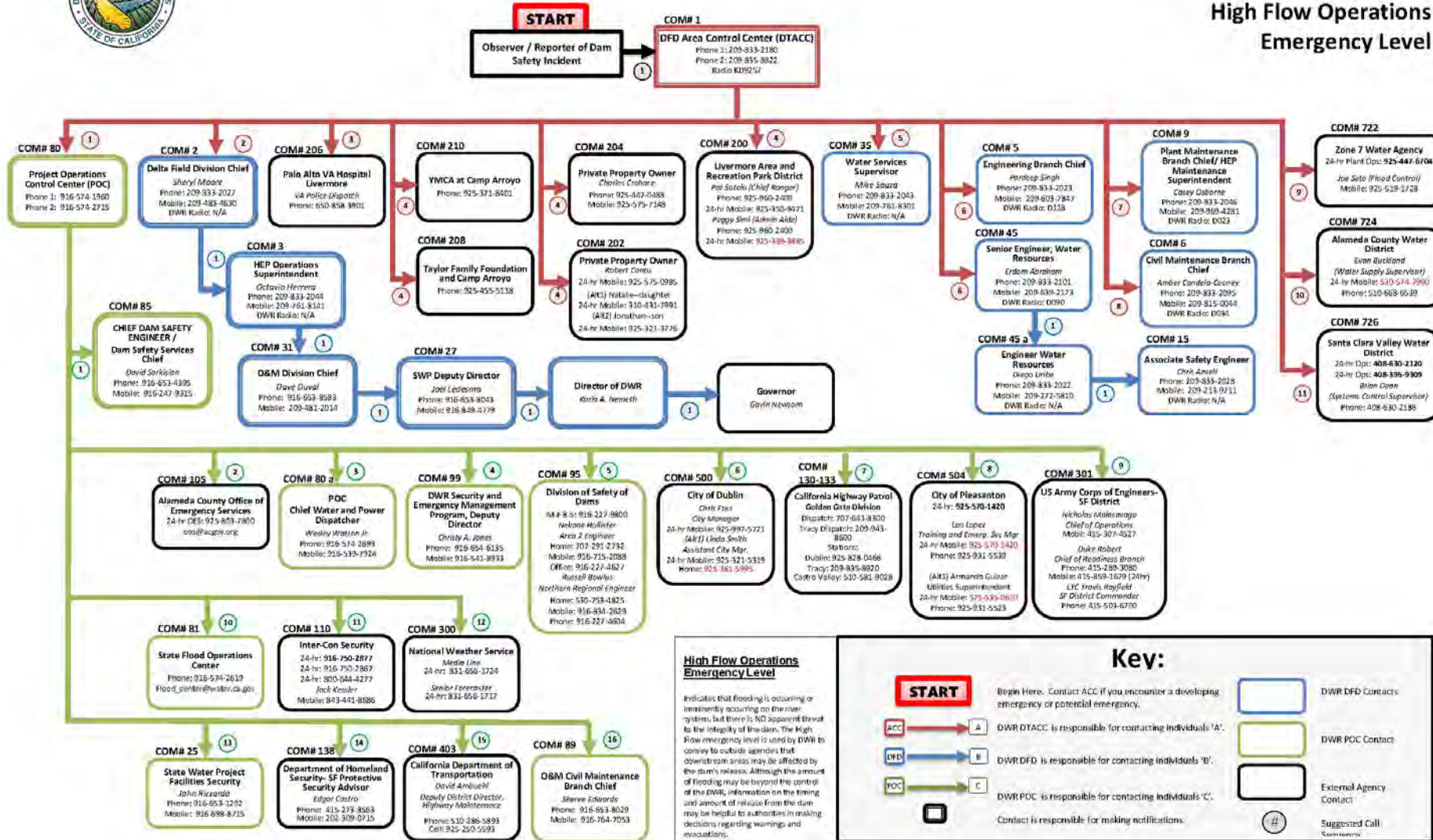
Notifications

ATTACHMENT B
Del Valle Dam
Notification Flowchart
High Flow Operations
Emergency Level



FOR OFFICIAL USE ONLY - DO NOT DISTRIBUTE

Note: For Additional Contacts Needed for Specific Emergency Incidents, Please See the **Communications Directory**.



Important: All automated voice messages should be repeated twice to ensure receipt of the entire message.

B. Notification Dialogue for High Flow Operations Emergency Level

The California Department of Water Resources has activated the Emergency Action Plan for Del Valle Dam.

The Emergency Action Plan has been activated to notify local emergency management agencies and entities immediately downstream of Del Valle Dam, of significant changes in releases from Lake Del Valle. The Emergency Level now falls under High Flow Operations. The dam is NOT in danger of failing.

The current release from Lake Del Valle is _____ cfs and will increase to _____ cfs by _____ (time) _____ (date). Please note that flows downstream may exceed this value due to other natural and artificial inflows.

Lake Del Valle release information can be found by searching for station DLV (Del Valle Dam) at <http://cdec.water.ca.gov/cdecstation2/>

If you serve in an emergency management role and require additional information, please contact the DWR Division of Flood Management's Flood Operations Center at (800) 952-5530.

Date Issued: _____

Time Issued: _____

Issued by: _____



High Flow
Operations
Notifications

Module 1

Brief Pause to Reflect on Questions

Healthcare Facilities

1. Based on the information you are hearing from the county and the weather situation, what plans are you thinking of activating?
2. At what point would your Command Center activate? When would you begin incident action planning?
3. What messaging are you preparing for staff, clients, family, the community?
4. How are you coordinating with your PIO and the county?

County/Emergency Management

1. Based on the information you are hearing from the county and the weather situation, what plans are you thinking of activating?
2. What HCSA messaging would we be considering? How do we best coordinate multiple messages from the EOC JIC and the OA Medical Health Branch MHOAC Program (EMS, PH, EH, BH, HCH, Lab)?
3. What transportation issues are we thinking about that may affect the health care delivery system?

Module 2

Scenario Module 2

UPDATE

- After 3 days of continuous heavy rain, several low-lying areas in county are experiencing moderate levels of flooding.
- These flood prone areas are beginning to receive from one to three feet of water.
- The flooding alone may impact upwards of 45,00 people to varying degrees and be cause for some areas to evacuate.
- Power outages in flood areas alone will affect nearly 15,000 residences
- and 1000's of commercial buildings.



- The effects from storm damage such as downed trees and mudslides are creating transportation problems and adding to the effect of the power outages and utility damage.



Situation Update Module 2

Operational Area Conditions Worsening

- Cities are considering opening shelters to prepare for evacuees, and issue shelter in place notifications for non flood prone areas.
- Media is advising people not to travel due to the road conditions and if possible, to stay at home.
- There are numerous incidents being handled by local first responders.
- The County Op Area EOC along with several local city EOCs have been activated and are providing operational coordination.



Additional Concerns

- There are increasing concerns for behavioral health issues, unsheltered/homeless populations, environmental health concerns regarding toxic runoff due to the flooding of illegal dumping sites, household chemicals and businesses that are experiencing flooding.
- Public Health is providing health advisories regarding possible drinking water issues in some areas and to avoid contact with flood waters due to their potential toxicity.



Module 2 – Situational Update

Preparing for Medical Surge



- **Cynthia Frankel, RN, MN;** Alameda County EMS Agency, HPP LEMSA & ReddiNet Coordinator
- **William McClurg;** EMS Deputy Director, Alameda County Emergency Medical Services, OA Medical Health Branch, Emergency Medical Services, MHOAC Program Coordination
- **Erica Pan, MD, MPH, FAAP;** Director, Division of Communicable Disease Control and Prevention, Alameda County Public Health Department, Interim County Health Officer
- **Zerlyn Ladua, RN, FNP, MSN;** Public Health Systems Preparedness and Response Director, Division of Communicable Disease Control, Alameda County Public Health Department
- **David Modersbach;** Grants Manager/Special Projects, Alameda County Health Care for the Homeless program

Taking a step
back:

Incident
Escalation for
HCSA



Duty Officer Programs



DOC Activation



Med/Health Branch @ EOC

Duty Officer Programs

- Environmental Health, Public Health and EMS have Duty Officer Programs providing 24/7 monitoring and surveillance of their areas of responsibility
- The Duty Officers keep their fingers on the pulse of the County and are likely to be the initial contact point for evolving incidents
- Duty Officers report escalating or expanding incidents to their agency leadership which may lead, depending on the incident type, to activation of a DOC



**KEEP
CALM
AND
CALL THE
DUTY OFFICER**

DOC Activation

- **A Department Operations Center (DOC) Activation creates an incident specific management structure within an agency utilizing ICS**
- **DOC Activation can be virtual , where roles and functions are assigned and operational, but not convened in a single location.**
- **For HCSA, individual agencies can open their DOCs and/or HCSA can open an over-arching DOC with representation from multiple or all agencies within HCSA depending on the incident.**



Medical / Health Branch @ EOC

- The Medical / Health Branch is typically staffed by the EMS Agency
- The Medical Health Operational Area Coordinator (MHOAC) facilitates bi-directional communication with the HCSA DOC(s), EOC command staff, and the region through the RDMHC and RDMHS who also communicate with the state.
 - Sit-Stat Updates
 - Flash Reports
 - Resource Requests
- Activities are guided by the 17 functions of the Medical Health Operational Area Coordination Program.

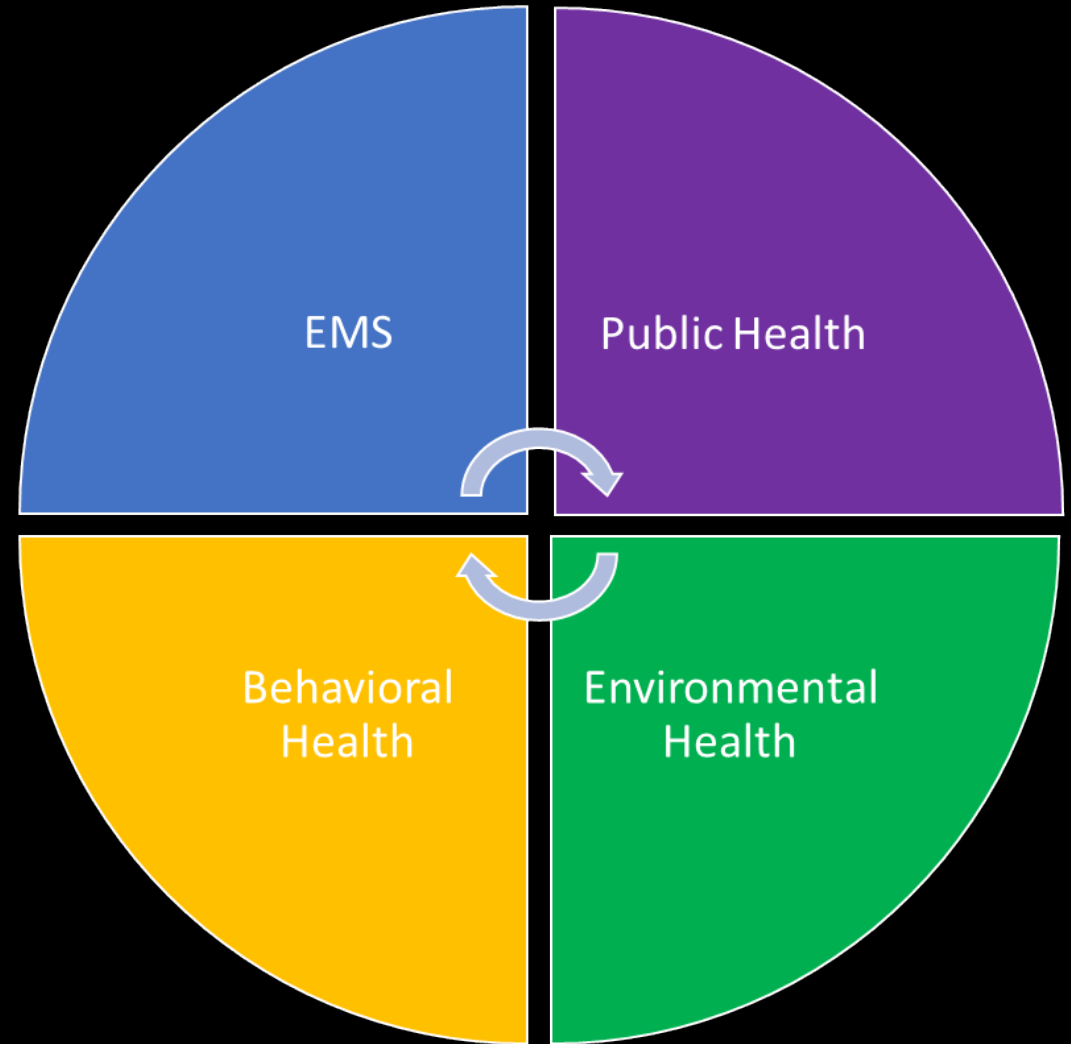


The 17 functions....

1. Assessment of immediate medical need
2. Coordination of disaster health and medical resources
3. Coordination of patient distribution and medical evaluations
4. Coordination of inpatient and emergency care providers
5. Coordination of out of hospital medical care providers
6. Coordination and integration with fire agencies' personnel, resources, and emergency fire pre-hospital medical services
7. Coordination of providers of non-fire-based pre-hospital emergency medical services
8. Coordination of the establishment of temporary field treatment sites
9. Health surveillance and epidemiological analysis of community health status
10. Assurance of Food Safety
11. Management of exposure to hazardous materials
12. Provision or coordination of behavioral health services
13. Provision of medical and health public information and protective action recommendations
14. Provision or coordination of vector control services
15. Assurance of drinking water safety
16. Assurance of the safe management of liquid, solid and hazardous waste
17. Investigation and control of infectious diseases

The 17 functions are completed through the collaborative efforts of all HCSA agencies and the HCSA DOC.

Status updates are funneled to the Medical Health Branch and the MHOAC for shared communication at the EOC and to the RDMHC/S





EMS

EMS Impact Considerations

- **Increased 911 System Demand**
 - Simultaneous events
 - Evacuations and Rescues
- **Potential Compromise of Hospitals and Health Care Facilities**
 - Potential Damage/Flooding
 - Surge in Patient Volume
- **Availability of Response and Transport Resources**
 - Damage to Resources
 - Infrastructure Concerns
 - Scope of Disaster

EMS Plan Activations and Communications

• Potential Plan Activations

- ALCO EOP
- EOM – EMS MHOAC Program
- EMS Surge Plan
- MCI Policy
- ReddiNet Policy
- Pediatric Surge Plan

• Available Communication Pathways

- EBRCs Radios
- ReddiNet
- FirstWatch
- Med1 Email
- AC Alert
- CAHAN
- Conference Calls

EMS Priority Actions

- Assess 9-1-1 System Status
 - Dispatch Center Functionality
 - Resource Supply vs System Demand
- Communications
 - Establish Bi-Directional Communication with System Partners
 - Gather intel in order to prepare and disseminate flash/sit-stat reports.
- Assess Health Care Facility Status
 - Functional?
 - Evacuating?
 - Resource Needs?
- Track and Triage
 - Patients
 - Resources
 - Requests/Needs
- Staff Med/Health Branch and coordinate efforts with EOC, HCSA DOC, MHOAC and RDMHS/C

EMS Intervention

MCI PLAN

Leverage MCI Plan

- Utilization of MCI plan by EMS field crews to effectively and efficiently manage scenes with mass casualties.
 - START & JUMP START Triage
 - Establishing Casualty Collection Points
 - Facility Notifications
 - Activation of supplemental transport resources to include additional ambulances, air ambulances, or buses if appropriate.
 - Deployment of Disaster Medical Supply Unit (DMSU)
 - Initiate First Round Destination Procedure for Receiving Hospitals

First Round Destination Procedure

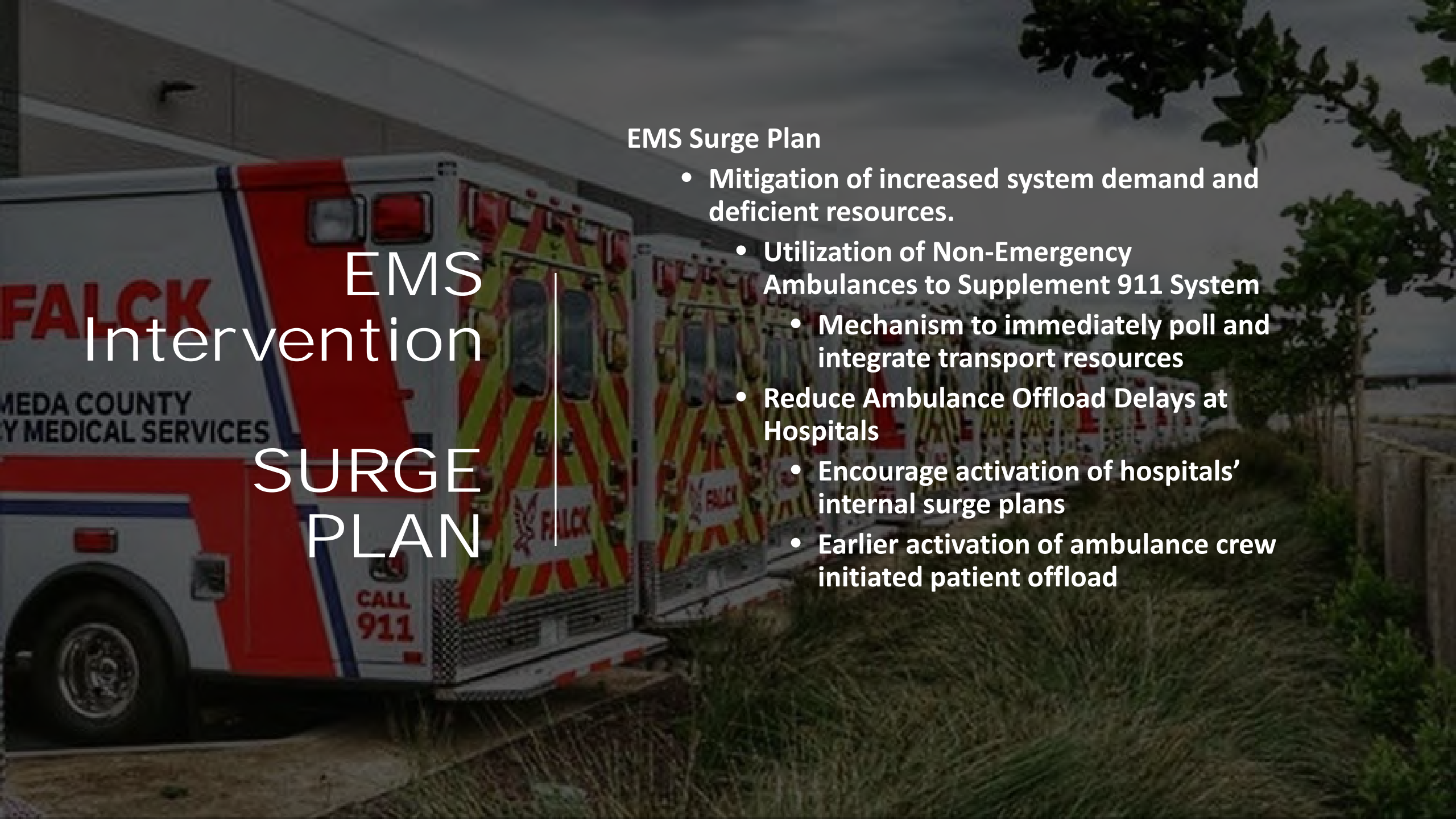
Non-Trauma patients** to each Alameda County receiving hospital (for a total of 6):

- ✓ Two (2) "Immediate"
- ✓ Four (4) "Delayed" and/or "Minor"

** e.g.: Medical incident, HazMat

Trauma patients to each Alameda County Trauma Center (for a total of 7):

- ✓ Three "Immediate"
- ✓ Four (4) "Delayed" and/or "Minor"

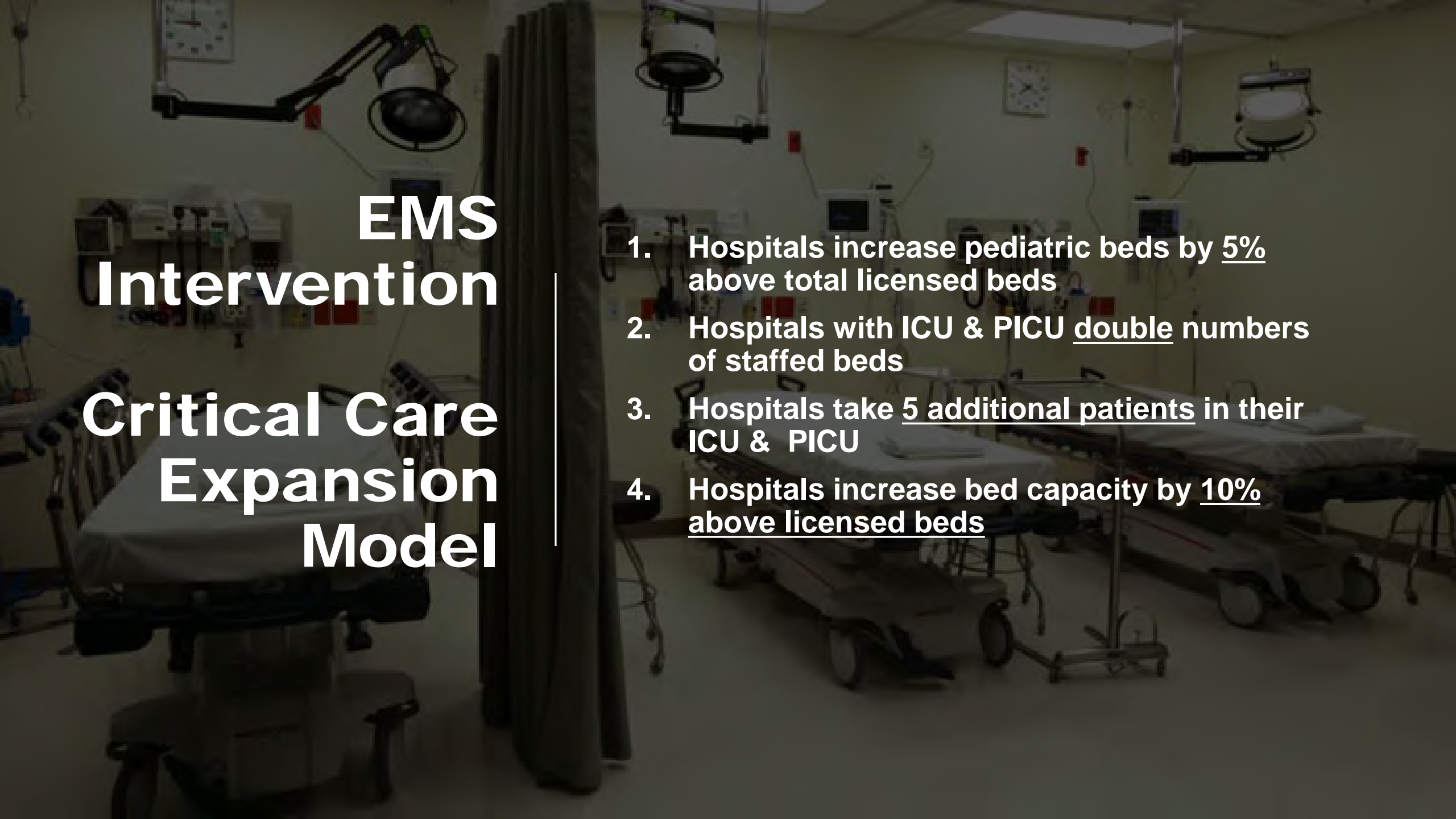


EMS Intervention

SURGE PLAN

EMS Surge Plan

- Mitigation of increased system demand and deficient resources.
- Utilization of Non-Emergency Ambulances to Supplement 911 System
 - Mechanism to immediately poll and integrate transport resources
- Reduce Ambulance Offload Delays at Hospitals
 - Encourage activation of hospitals' internal surge plans
 - Earlier activation of ambulance crew initiated patient offload



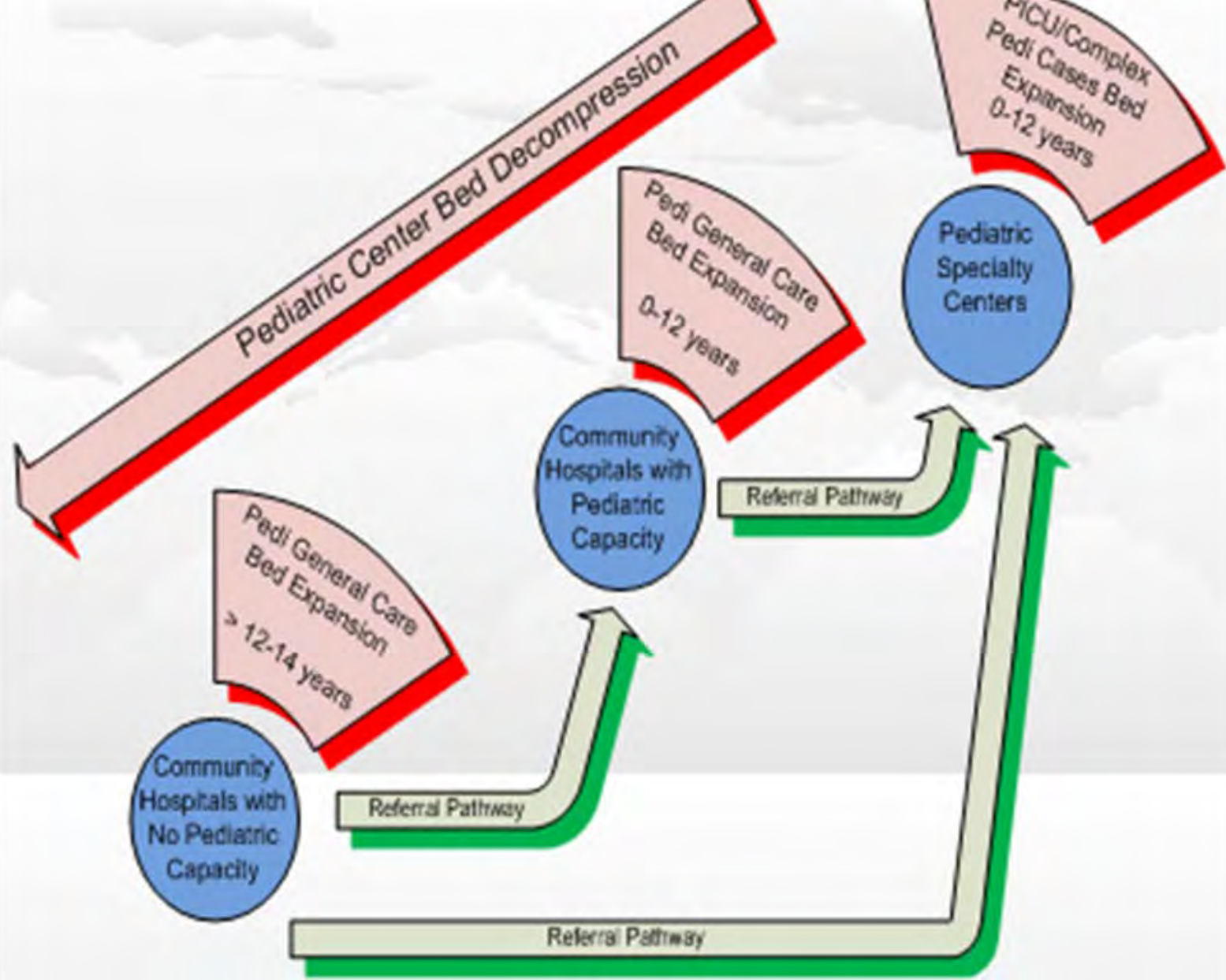
EMS Intervention

Critical Care Expansion Model

1. Hospitals increase pediatric beds by 5% above total licensed beds
2. Hospitals with ICU & PICU double numbers of staffed beds
3. Hospitals take 5 additional patients in their ICU & PICU
4. Hospitals increase bed capacity by 10% above licensed beds

EMS
Intervention

Pediatric
Surge Bed
Preservation
Model



Joint CoCo-ALCO Emergency Medical Services
Recommended Pediatric Surge Bed Preservation Model

EMS Communications

Hospital ReddiNet Messaging

- **Hospitals** – Expedite ambulance off load time
 - *Receiving facilities may receive 9-1-1 patients from additional providers outside of Falck & transporting fire departments. Please assist in getting units back into system quickly*
- **Complete SIT STAT REPORT** no later than 0900 to [Med1 Email Address](#)
- **If you need resources, use RESOURCE REQUEST FORM & email to [Med1 Email Address](#) (Ensure Name of organization on subject line)**
<http://ems.acgov.org/Documents/Documents.page>
- **Participate on 700/800 RADIO CHECK with EMS-TAC 14 Radio Check at 0930**
- **Complete HAVBED & CUSTOMIZED POLL by 0930**
- **CONFERENCE CALL: Today at 1100 - 1-888-204-5984; Participant code 886530 #**
- **EMS at Operational Alameda County EOC Medical/Health Branch & EMS Branch DOC**
- **EMAIL: [Med1 Email Address](#)**

EMS Communications

ReddiNet Facility Polling

SAMPLE QUESTIONING

- ARE YOU FULLY FUNCTIONAL? PARTIALLY FUNCTIONAL?
- ARE YOU EVACUATING?
- CLINICS CAN YOU STAY OPEN LONGER?
- DO YOU NEED GENERATOR FUEL?
- HOSPITALS
 - DO YOU HAVE CAPACITY TO TAKE MORE PICU PATIENTS?
 - DO YOU HAVE CAPACITY TO TAKE MORE ICU PATIENTS?
 - # OF "FLOOD" PATIENTS AT HOSPITAL? (ADULTS/CHILDREN/TOTAL)
 - # OF PATIENTS WAITING IN ED TO BE ADMITTED?
 - ARE YOU EXPANDING YOUR CAPACITY TO TAKE ADDITIONAL PATIENTS?

A H A S C S E R V I C E

EMS Communications

ReddiNet Facility Census & HAvBED

Hospital Patient Census

View by: Categories Facilities

Bed Types	Current
Med/S	522
Tele	425
ICU	133
PICU	17
NICU	85
PEDS	112
OB/GYN	158
Trauma	3
Burn	0
Isolation	35
Psych	10

HAvBED

View by: Categories Facilities

Bed Types	Current	24 Hour	72 Hour
Med/S	94	9	16
Tele	59	9	11
ICU	39	5	7
PICU	17	0	0
NICU	33	2	4
PEDS	100	1	1
OB/GYN	40	11	13
Trauma	4	4	5
Burn	0	0	0
Isolation	5	5	6
Psych	0	0	0

EMS Communications Flash Report



**ALAMEDA COUNTY EMS
FLASH REPORT**
"FLOOD" EVENT –
THIS IS NOT A REAL EVENT

Region: II

Operational Area: Alameda County

Reporting person & jurisdiction: Jim Morrissey, ALCO EMS MHOAC

Type of Incident: Flood – Alameda County

Event Name: 2019 Tabletop Exercise

Date: 01 Oct., 2019 **Time:** 0800

Notification type:

CRITICAL ISSUES/PRIORITIES (SPECIFICALLY THE IMPACT TO MEDICAL HEALTH SYSTEM):

- **Immediate Urgent Action** desired and necessary
- Alert – quickly developing flood. Medical Health Situation Report on-going
- Situational Awareness
- Mutual Aid Request anticipated for potential EMS events

Situation:

OCTOBER 1, 2019

- After 3 days of continuous heavy rain, several low-lying areas in OA experiencing moderate levels of flooding.
- These flood prone areas are beginning to receive from one to three feet of water.
- Flooding may impact upwards of 45,000 people and evacuation may occur.
- Power outages in flood areas will affect nearly 15,000 residences and 1000's of commercial buildings.
- Cities are considering opening shelters to prepare for evacuees; shelter in place notifications for non-flood areas.
- Media is advising people not to travel due to the road conditions and if possible, to stay at home.
- **There are numerous incidents being handled by local first responders.**
- Cities are considering opening shelters to prepare for evacuees; shelter in place notifications for non-flood areas.

EOCs / HCCs

- Alameda County EOC Is fully activated including the Medical/Health Branch and the EMS DOC are activated
- The Alameda County MHOAC and RDMHS are activated at the OA EOC.
- City and Operational Area Emergency Operations Centers (EOCs) have been activated throughout OA.
- Hospital HCCs activated
- Coordinating with Falck, Dispatch Centers, and Non-911 Permitted Ambulance Providers (BLS)
- Redding and 700/800 Megahertz Radios communications utilized

EMS Communications Sit Stat Form

Alameda County Medical/Health Status Report Form Submittal Date: Time:

1) Event/Incident Title: 2) Facility Name:

3) Originator Name: 4) Title: 5) Department:

6) Phone: 7) Email:

8) Hospital Clinic Other 9) EOC/HCC Phone #:

10) Is your EOC/HCC activated? Not Activated Partially Activated Fully Activated

11) Check the most appropriate level of functionality of your facility:
 Not Functional Partially Functional Fully Functional

12) Provide facility infrastructure status (damage, electricity, water, internet, phones, etc):

13) Can your facility provide essential Patient Care? No Yes

14) Estimated Casualties - How many patients do you have as a result of this event? (Based on START Triage)
 Immediate (Red) Delayed (Yellow) Minor (Green) Deceased (Black)

15) Can your facility take more patients? No. Yes. 16) If yes, number of patients

17) Do you have STAFFED BEDS AVAILABLE (personnel staffing with beds)? Based on HAVBED definitions.

MED/SURG	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	OR	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
ICU	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	ISOLATION	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
PICU	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	OB/GYN	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
NICU	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	TRAUMA	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
TELE	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	BURN	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
PSYCH	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>	OTHER	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>
PEDS	<input type="checkbox"/> No	<input type="checkbox"/> Yes	# of Beds	<input type="text"/>					

18) Can your Urgent Care/Emergency Department take more patients? No Yes

19) If yes, number of patients 20) Explain any limitations:

Identify critical issues and resource needs that cannot be addressed by your facility:
 21) If you have any resource needs, you **MUST** submit a [Medical/Health Request Form](#).

This form is to be sent from your Facility to the Operational Area (County EOC)
 This form should be e-mailed as an attachment to med1@acgov.org and will be received by EMS staff.
Medical Health Branch Fax number (925) 803-2720, or (925) 803-7872
 EOC medical branch phone number (925) 803-7930 or (925) 803-7818
 If Reddinet is available, please check regularly for updated messages and instructions.

For EMS Use Only: Processed by: Date: Time:

MedHealthStatReport_120631

EMS Communications

Resource Request Form

ALAMEDA COUNTY EMS - Medical/Health Request Form Med/Health Request Form V7 (8/29/2018 15:20)

Please make sure that you view each page before submitting the form.
When you have completed the form, come back to this page to submit the form via email (PREFERRED). If you are unable to email the form, print it out and fax it to (925)-803-2720.

[Submit by EMAIL](#) [Print Form](#)

Instructions: This form should be used by facilities that are requesting resources that are "medical" in nature. This includes medical supplies, pharmaceuticals (medications, vaccines, antidotes, etc.), medical personnel, decontamination supplies, surge supplies, etc. This form is to be filled out completely and with enough detail that a non-medical logistics person would know EXACTLY what, and how much is needed. Please be as specific as possible. Indicate if a generic or similar product might suffice. This also assumes that there is an immediate need (not projected) and ALL avenues to procure material have been fully exhausted.

Facility Name & Contact Info	Date	Time (24hr Format)	Request Originated By
Facility Name: EDC or ICCC Phone #:	Requestor Email:		Name: Contact Phone:

Delivery Location (Include Address and specific location (e.g. - loading dock in back of building):

Street Address	City	Zip	Phone Number (Numbers only-5105551212)

Deliver Location (instructions)>

Pre-Request Instructions:

- Do you have an immediate and significant need?
- Have you exhausted your supply, or is exhaustion imminent?
- Have you checked with your internal, corporate supply chain, and/or local jurisdictional partners?
- Have you checked for availability of supplies with your normal external vendors, and "new" vendors to procure material?

Date: _____ Provider: _____ [Previous Page](#) [Next Page >](#)

REQUEST DETAIL

Quantity	Unit of Measure	Item Description (Be very specific. Give description, specification, size, etc.)	
			1
			2
			3
			4
			5

Date: _____ Provider: _____ [Previous Page](#) [Next Page >](#)

Alameda County Health Care Service Agency
Public Health Department
Health Officer Emergency Powers

Erica Pan, MD, MPH, FAAP

*Director, Division of Communicable Disease Control and Prevention (DCDCP)
Interim Health Officer; Clinical Professor, Pediatric Infectious Diseases, University of
California, San Francisco*

California Laws to Respond to Emergencies

- The **Emergency Services Act** allows for the proclamation of a *local emergency* by the local governing body (or designee) or a proclamation of a *state of emergency* by the Governor.
- The **California Health and Safety Code** includes any “imminent and proximate threat of the introduction of any contagious, infectious, or communicable disease, chemical agent, noncommunicable biologic agent, toxin, or radioactive agent.”
- The Health and Safety Code also authorizes the Director of CDPH to proclaim a health emergency.

Proclaimed Local Emergency

During a proclaimed local emergency, the governing body or designated officials may promulgate orders and regulations, in writing and with widespread publicity and notice, that are necessary to provide for the protection of life and property, including orders or regulations imposing a curfew within designated boundaries where necessary to preserve the public order and safety.

Emergency Proclamation

Makes response and recovery funding available

To invoke powers specific to the type of emergency proclaimed

To expand the available immunities from liability for response-related activities

May trigger state and federal proclamations/declarations

Activate Disaster Service Workers

Immunities for medical personnel

Waivers of laws and regulations

Health Alerts and Advisories



Measures to Prevent Spread of Diseases



Environmental Health and Safety



Boil Water Notices



Infectious Diseases



Medical Waste



Hazardous Waste



Isolation and Quarantine

Alameda County Health Care Service Agency
Public Health Department
MHOAC Program Coordination Activities

Zerlyn Ladua, RN, FNP, MSN

Director Public Health Systems Preparedness and Response

Division of Communicable Disease Control

Medical Health
Operational Area
Coordination
(MHOAC)
Program



Emergency Medical Services



Public Health



Environmental Health



Behavioral Health Care Services



HCSA DOC Coordination

- Information sharing
- Water Quality
- Health Care for the Homeless
- County Deployments --> Shelter
- Skilled Nursing Facilities Hospitals, Clinics
- Alameda County Resource Request



stresses diagnosed
neurons anxiety disorders
emotional problems atypical health disorder
central nervous system cases therapeutic systems
emotions behavioural problems
symptoms occurring factors insufficient sociological perspectives
depression sensory psychological diagnosis problem solving
mental disorder primary rigidity psychological personal
mental health
drugs inclusions clinical philosophies
well-being mental social psychol
scope broader



Resources Coordination
with a Health Lens



Situation Status Report



Date: December 4, 2018 From: Alameda County Public Health Department Time: 5pm Prepared by: Donata Nilsen/Laurence Padua, Plans Approved by: Zerlyn Ladua, IC	Situation: Operation Camp Fire 2018 Activation Status: Active Initial Report: 12/4/18 Update/Final Report: NA	Report No. 120418-01 Page 1 of 2
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Situation Summary & Current Alameda County Health Care Services Agency Response

The Camp Fire in Butte County caused widespread evacuations, damage and a massive response from throughout the state. The HCSA DOC was partially activated on 11/9 to support Camp Fire response needs and local poor bay area air quality. Butte County sustained medical/health operations using local, regional, state and federal resources and is currently still activated to manage shelter operations for displaced populations and recovery operations.

The Bay Area experienced smoke from the Camp Fire in Butte County for several weeks, but air quality is back to normal throughout the region. Support to Butte County was provided for medical operations by Public Health Nurses and Medical Reserve Corps volunteers, and other non-medical HCSA staff provided DOC support.

The Regional Disaster Medical Health Coordination (RDMHC) Program coordinated all medical/health resource requests with the Medical Health Operational Area Coordinators (MHOAC) in each County to include medical transport resources, medical personnel to support shelters and DOC Incident Management Teams (IMTs).

- As of 12/4, the Camp Fire is 100% contained with 153,336 acres burned, 85 fatalities, 11 missing persons and over 18,000 structures destroyed including over 13,000 single residences.
- Up to eight shelters were operational a one time, with all but one shelter scheduled to close by 12/7 and evacuees from the closing shelters being consolidated to the Silver Dollar Fairgrounds.
- Schools in Butte County reopened 12/3 for all students, using temporary facilities and alternative modes of instruction to accomplish this task.
- Air Quality**
 - Local Air Quality Conditions were unhealthy from 11/9 – 11/20 and back to good levels (between 0-50) on 11/21. 11/16/18 was the worst day with very unhealthy Air Quality Index (AQI) levels up to 245. Daily updated air quality information is available at: https://airnow.gov/index.cfm?action=airnow.local_city&cityid=315 and https://airnow.gov/index.cfm?action=airnow.local_city&cityid=315
 - The [Alameda County Wildfire Resource](#) page was updated with current information as available.
 - Notifications were distributed regarding Camp Fire Status Update, Public Health Advisory & Guidance for Unhealthy
 - AC Alert Air Quality Advisory sent to public on 11/8
 - AC Alert Air Quality Advisory in Bay Area sent to healthcare partners by Interim Health Officer on 11/9
 - Email message sent by Information and Guidance Division to School Districts on 11/14
 - AC Alert/CAHAN Health Advisory message regarding Unhealthy Air Quality sent by Interim Health Officer 11/14
 - Health Update: Improving Air Quality email sent by Interim Health Officer on 11/21
- Health Care for the Homeless**
 - On 11/19, Health Care for the Homeless made filter masks available for unsheltered populations, citizens, community groups, outreach providers and city and county providers for unsheltered populations. For more information and for a list of facilities providing daytime indoor shelter go to <https://www.achch.org/air-quality-emergency-resources.html>
 - Health Care for the Homeless worked with partners to update a countywide list of indoor shelters to direct unsheltered persons to during poor air quality.
- Butte County Deployments**
 - Between 11/13 and 12/7 a team of 5 Medical Reserve Corps and 3 PHNs were deployed to support medical care at shelters. 2 EMS Staff and 2 PH Staff assisted at the Butte County PH DOC.
- Skilled Nursing Facilities** were polled by EMS on 11/8/18 with 108 available beds reported among 20 facilities.
 - On 11/21/2018, EMS requested Alameda County Long Term Care Facilities, including Skilled Nursing Facilities (SNFs) Residential Care Facilities for the Elderly (RCFEs), Assisted Living Facilities and other senior living homes that may have

taken in those displaced by the Camp Fire to go to safeandwell.org website to list anyone that they have admitted as "safe" for the Butte County Sherriff's Office to check the site against their names of missing.

- Hospitals/Clinics are requested to complete a brief [Air Quality Impact Survey](#) to determine whether facilities experienced an increase in ED visits and respiratory disorders.

Alameda County Resource Requests

- AC HCSA received a variety of resource requests and is continuing to monitor and coordinate procured and mobilized resources to the affected areas via the MHOAC and RDHMS.
- Logistics Section is compiling data from requests received.

California Department of Public Health and Emergency Medical Services Authority Activation

- Medical teams from the National Disaster Medical System (NDMS) were deployed to staff medical operations at shelters in support of the Camp Fire response. The Federal teams coordinated with the California Emergency Medical Services Authority and the California National Guard to provide 24 x 7 medical support to evacuees. Federal medical teams began demobilization on 11/26/18.
- Federal Declarations/State and Local Proclamation:
 - Governor's proclamation for Butte County: 11/8
 - Presidential Declaration: 11/10
 - U.S. Department of Health and Human Services, Public Health Emergency Declaration: 11/13
- Medical Health and Coordination Center (MHCC) and State Operations Center (SOC) staff continue to monitor public health and medical impacts from the wildfires.
- Emergency Medical Services Authority (EMSA) coordinated medical care and support to Butte County using the Medical Reserve Corps volunteers from the Disaster Healthcare Volunteers Program. EMSA obtained federal medical support teams and California National Guard medical teams to assist the Cal MAT in the shelters.
- Functional Assessment Service Team (FAST) and Volunteer Emergency Services Team (VEST) staff were also deployed.

Alameda County Operational Area Medical Health Coordination with Region

The Alameda MHOAC coordinated with the Regional Disaster Medical Health Specialist/Program on various resource requests from Butte County:

- Health Officer and Director of Nursing
- Critical Incident Stress Management Team
- Medical transport resources
- Medical personnel to support shelters and DOC IMTs
- DOC Incident Management Teams (IMTs) to include IC, Planning, Logistics, Operations, runners, Phone Reception

Media Inquiries

- From 11/9-21, PIO received media requests from KQED Radio, KPFA/UpFront, Univision/Channel 14, KTVU/Channel 2, California Report/KQED, KRON/Channel 4- all around air quality and/or masking guidance. Inquiries were for background information or interview requests.
- Interim Health Officer conducted interviews with KQED on 11/16 & KPFA Up front on 11/20th
- PIO fielded calls from Berkeley Unified, Alameda County Office of Education, Oakland Unified regarding air quality and school closures. Several preschools and childcares (public and private) called for school closure guidance around health and air quality.

Information & Guidance

CAHAN Alerts from CDPH

- [Wildfire Fact Sheets](#)

Alameda County Health Alerts, Updates

- Health Alert: [Unhealthy Air Quality Due to Wildfires](#)
- Wildfires Update page: <http://www.acphd.org/wildfire-smoke.aspx>

Beyond the Emergency of Homelessness

Roles of Alameda County Health Care for the Homeless and
Homeless Services Providers in Responding Strategically to
Disasters and Emergencies that Disproportionately Affect People
Experiencing Homelessness

David Modersbach

Alameda County Health Care for the Homeless Program

David.Modersbach@acgov.org

510-891-8916

Regional Disasters



Santa Rosa Wildfire



Hurricane Sandy



Loma Prieta Earthquake 1989



Houston Flooding Hurricane Maria

Extreme Weather

Hot Weather and Homelessness Cooling Centers Locations

Be careful in the Summer Heat!

Extremely hot weather can be very harmful to homeless people – it can be the cold.

Be Careful! Heat and sun are threats to aging folks, babies and children, disabled people, people with medical conditions or who take medication, and folks who drink or use drugs.

Be Aware! If you see someone passed out or in bad shape, don't think they're just sleeping. They may be suffering or dying from heat and sun. Call 911 and get them help.

Water! People on the streets don't have ready access to water. It is both our job and yours to provide bottled water to people, in addition to sunscreen, hats and shade.

Cooling Center! A cooling center is a facility, such as a senior center, community center, library, or school, where people may go to get out of life-threatening heat during a heat wave. Find a cooling center near you. Everyone, especially those at risk of getting a heat-related illness.

Please call the cooling center nearest you for hours of operation during hot weather.

California Today: Rain Brings Health Hazards to the Homeless



Santa Clara County Coroner: Four Homeless Die from Exposure

By KQED News Staff Dec 6, 2013

By Dan Brekke and Alex Emslie



News

VIDEO: San Jose residents worry homeless are setting up fires near during cold snap

By: Vince Cestone

Updated: Feb 20, 2018 09:13 PM PST



Burned feet, parched throats: Arizona homeless desperate to escape heatwave



Displacement, floods

Homeless Displaced By Long Island Bridge Closure Remain In Flux

December 18, 2014 By [Deborah Becker](#) and [Lynn Jalicoeur](#)



Gas Leak Forces 400 Out of Polk Homeless Shelter

Residents poured out of the building on Polk and Geary streets before responders transported 14 people to the hospital.

Ida Mojaded / Mon Apr 23rd, 2016 2:48pm / NEWS



Next Door shelter on Polk and Geary streets (Google Maps)

Disease Outbreaks

https://www.nhchc.org/wp-content/uploads/2016/05/fact-sheet_infectious-diseases_hrsa-approved-final-version-1.pdf

HEPATITIS A OUTBREAK

among homeless people in California.



Spread by coming into contact with an infected person's stool

Causes **EXTREME** sickness, liver damage, death.



Wash your hands with soap and water to keep Hepatitis A from spreading.

Get a **FREE VACCINATION** to protect yourself

Ask an outreach worker or a friend.

CALIFORNIA'S HEPATITIS A OUTBREAK IS THE FUTURE POKING US IN THE FACE

Rare infectious diseases are rising at an 'alarming' rate in Seattle's homeless population, concerning health officials

In addition to strep A, public health officials issued a advisory in February about outbreaks of shigella, a highly contagious diarrheal illness, and Bartonella quintana, an infection known as "trench fever" when it spread among World War I soldiers. It is spread by body lice and can result in fevers and rashes or more serious infections of the heart or blood vessels.



San Francisco DPH
@SanFranciscoDPH



Follow

SF Shigella increase sickens homeless and non-homeless population. Sanitation hand-washing key to prevent spread of gastrointestinal illness

Fake Xanax Pills Overdose Warning!



real Xanax vs. fake Xanax

Fake Xanax pills contain dangerous amounts of Fentanyl (which is an opiate like morphine or heroin) are being sold in the area. There has already been one fatal overdose and four folks admitted to the emergency room. Be very careful if you are taking these fake street Xanax pills as the Fentanyl can cause an OD.

If anyone is overdosing on these fake pills, please call 911. If you have Narcan you can administer Narcan to revive them.

For more info and if you need Narcan contact your local needle exchange.

Fires: Encampments, buildings, wildfires



Uroja House Fire 2017

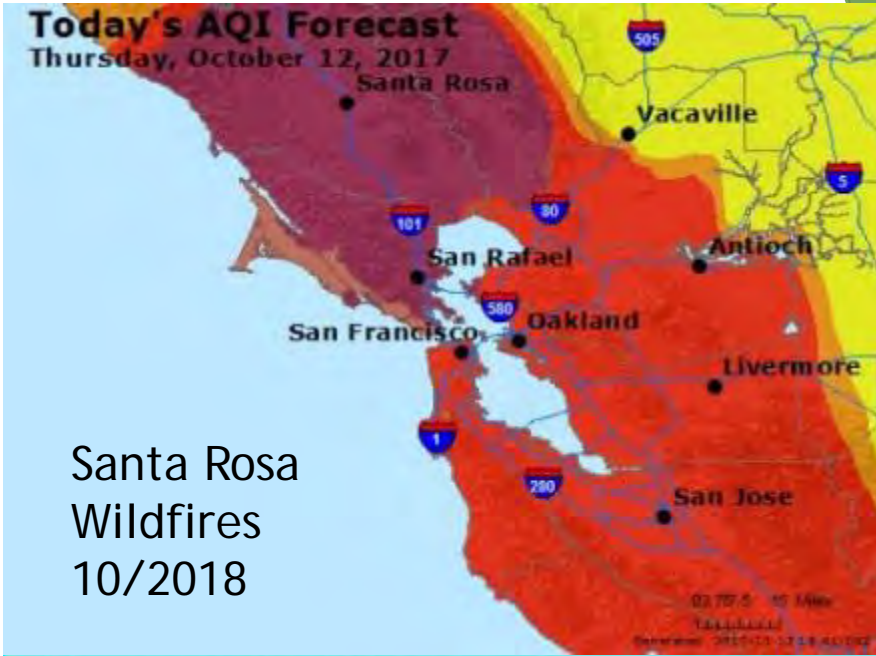


Oakland Hills Fire 1991

Air quality



Refinery Explosion 2011, Richmond CA
Shelter In Place Order for those indoors



Santa Rosa
Wildfires
10/2018

Volunteers distribute respiratory masks to the
homeless in Oakland



Forced displacement



NOTICE UPDATE

ORIGINAL POSTING DATE: [blacked out]
UPDATED POSTING DATE: February 28, 2017
SCHEDULED WORK DATES: February through June 2017

A final date of February 23, 2017, has been established for all persons and belongings to be removed from the Santa Ana Riverbed Project Area. All personal property will be impounded and refuse will be disposed.

Penal Code Section 502, 504 & 504.5
It is unlawful to erect or remove upon any posted property without the written permission of the owner, tenant, or occupant in legal possession or control thereof. Every person who erects or removes upon posted property, without such written permission is guilty of a misdemeanor for each day during any portion of which he erects or removes upon such posted property.


Penal Code Section 647c
Every person who willfully and maliciously obstructs the free movement of any person on a street, sidewalk, or other public place or on or in any place open to the public, is guilty of a misdemeanor.

Nothing in this section affects the power of a owner to a day to replace another upon a street, sidewalk, or other public place or on or in a place open to the public.

ALL UNLAWFUL DISPOSALS, ABANDONED/UNATTENDED ITEMS ARE SUBJECT TO IMMEDIATE REMOVAL. VIOLATORS OF THESE LAWS ARE SUBJECT TO ARREST AND/OR PROSECUTION.

Personal items remaining outside for storage will be held for a period of 30 days. These items will be stored WHERE the posted work area and can be claimed at the sixth floor corner of DeAngelo Avenue and State Ave. Room.

Storage facilities will be restricted and open during regular business hours Monday through Friday from 9am to 5pm. If you have any questions, please contact O&P at 714-433-0204



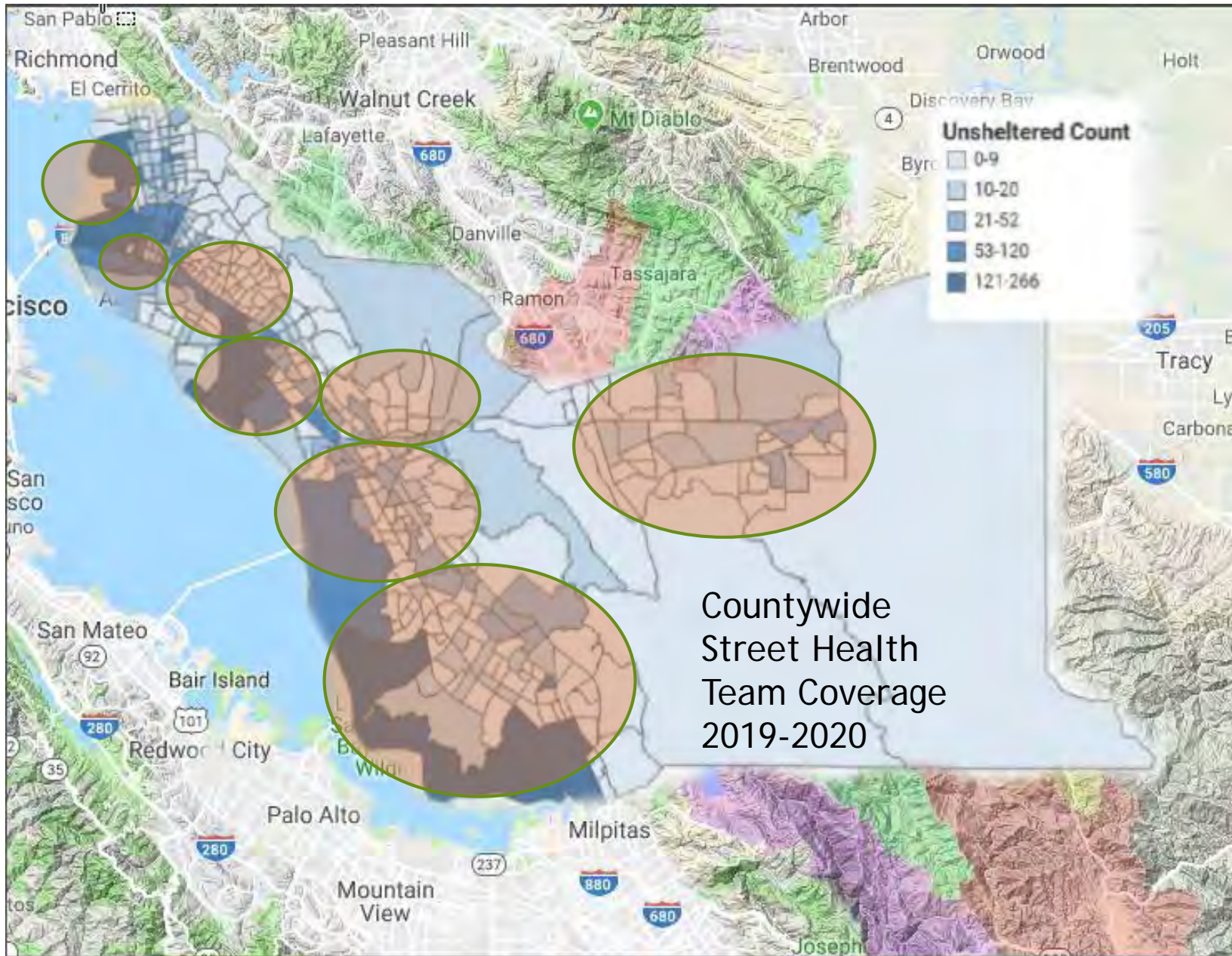
Storage County 224
Email: (949) 291-2-1-1 or (949) 291-8777 Available 24/7
401 - Health Care Agency
949-464-1234



Orange County
Courthouse Plaza 4/2018



Alameda County Watersheds VS. Unsheltered persons by Census tract 1/30/2019 (Point in Time Count)



HOMELESS EMERGENCY PLANNING:

PREPARE

Planning with County/City Emergency Response Providers

- Include Homeless and other vulnerable populations in planning
- Identify Vulnerable Populations: How to reach them? Who will reach them?

Know the Community you Serve

- ACHCH Program coordinates 5+ geographical **Street Health Teams**
 - W. Oakland, Downtown Oakland, E. Oakland, Mid-County, S. County
 - Adding San Leandro/Alameda, Unincorporated, Tri-Valley Street Health Teams
- Collaboration with County, City planners/responders
- Collaboration/Coordination with community (Advocates, Faith, nonprofits)
- Responding to Daily Disasters (weather, health, fire, etc.)

Know your Stuff: Strengths, Tools, Plans

- Trauma-Informed Care
- Training tools include Emergency Responses
- Convene/Maintain Relationships/Trust

Know your Staff

- Prioritize Staff Safety (planning, preparedness, response, recovery)
- Ensure that staff understand roles and responsibilities – especially management
- Expectations of Contractors during emergency?

Roles of ACHCH During Emergency

COMMUNICATION

- Coordinate with EOC, JIC, PHD, HCSA
- Email Communication/Updates to 2,000 homeless services providers

RESPOND

- Coordinate Direct Outreach Efforts (Street Health/Shelter Health Teams)
- Participate in Emergency Operations (Roles of Street Health Teams)
- Evacuation Issues (where to)
- Mass Shelter Issues (General Population vs. Homeless) Housing Placement
- Medical and Pharmacy Needs (outside supplies ex: DirectRelief)
- Patient Data (EHR, Mental Health, HMIS)

RECOVERY

- Coordinate shelter, housing, health work between program, other providers and Emergency Responders in the Long-Term.
- Disaster of Unsheltered Homelessness doesn't end after an emergency.

Daily Disaster Example: Extreme Weather Resources and Information

Heat Emergency Resources 2019

www.acgov.org/emergencysite/documents/Cooling-Centers.pdf Cooling Center List for Alameda County

Be careful in the summer heat!

Extremely hot weather can be very harmful to homeless people – it can be just as bad or worse than the cold.

Visit the [National Weather Service](#) for updated heat-related weather information. You can also find updated Alameda County related information at the [Alameda County Public Health webpage](#), and the [Alameda County Office of Emergency Services](#)

Are you feeling the heat? Click [here](#) for a flyer with information and learn cooling strategies, symptoms of heat-related illness emergency resources.

Symptoms of Heat-Related Illness:

Extremely high body temperature (103°+), difficulty breathing, red hot dry skin (no sweating), dizziness, fatigue, rapid pulse, confusion, faintness, headaches, muscle cramps, unconsciousness. If you experience these symptoms seek medical attention.

Be Careful! Heat and sun are threats to the aging population, babies and children, disabled persons, people with medical conditions.

Winter Emergency Resources 2017-2018

The Winter Shelter and Warming Stations for Alameda County are closed for the season, with the exception of St. Vincent de Paul in Oakland which closes June 11, 2018. Normally Winter Shelters open in November.

Following is information for **Winter Shelters** (open every night during the winter months), and **Warming Stations** (shelters open only in rainy or cold weather) in Alameda County.

For additional information about accessing shelters, transitional housing, and other emergency housing in Alameda County, call 211 (Eden Information and Referral). More information is also available on our [Get Help](#) page.

Download the printable version of the Winter shelter listing [here](#).

Alameda County - Winter Emergency Housing Resources Winter 2017-2018

For information on accessing shelters, transitional housing and other emergency housing in Alameda County, please call 211 (Eden Information and Referral)

Program Name	Location	Dates Open	Capacity	Availability Notification	Referral Process	Eligibility	Requirements	Contact
Seasonal Winter Shelter: Open every night during winter months								
Berkeley Emergency Shelter	1925 9th Street, Berkeley	Opens 11/03/17	75 beds	Call 510-830-6901	First-come, first-served	Open to all "wet"	Opening as early as 6:45pm	510-830-6901

Daily Disaster Example: Hepatitis A Campaign

HEPATITIS A OUTBREAK

among homeless people in California.



Spread by coming into contact with an infected person's **poop**

Causes **EXTREME** sickness, liver damage, **death.**



Wash your hands with soap and water to keep Hepatitis A from spreading.



Get a **FREE VACCINATION** to protect yourself

Ask an outreach worker or a friend.

Health Care for the Homeless Mobile Clinic and Hepatitis A Immunization Sites:

Free vaccines available to people experiencing homelessness on the HCH mobile clinic, street outreach, and at Hepatitis A Immunization Sites provided by the County of Alameda and the **City of Berkeley**, according to the below Schedule:

HCH IMMUNIZATION CALENDAR

Today



Thursday, November 16, 2017

 PrintWeekMonthAgenda

1:30pm MOBILE: Castro St/6th St Oakland (Corner of 6th/Castro) Open to All

Thursday, November 16, 2017

9:30am MOBILE: Multi-cultural Institute--Hearst and 4th St., Berkeley--Open to all

Friday, November 17, 2017

9:30am MOBILE: St. Mary's Senior Center 925 Brockhurst St/San Pablo Ave Oakland; Open to All

9:30am St. Mary's Senior Center 925 Brockhurst St/San Pablo Ave Oakland

Monday, November 20, 2017

9:30am MOBILE: City Team 722 Washington St/7th St Downtown Oakland; Open to All

Tuesday, November 21, 2017

9:30am MOBILE: East Oakland Community Project--7515 International Blvd. Oakland--Open to all

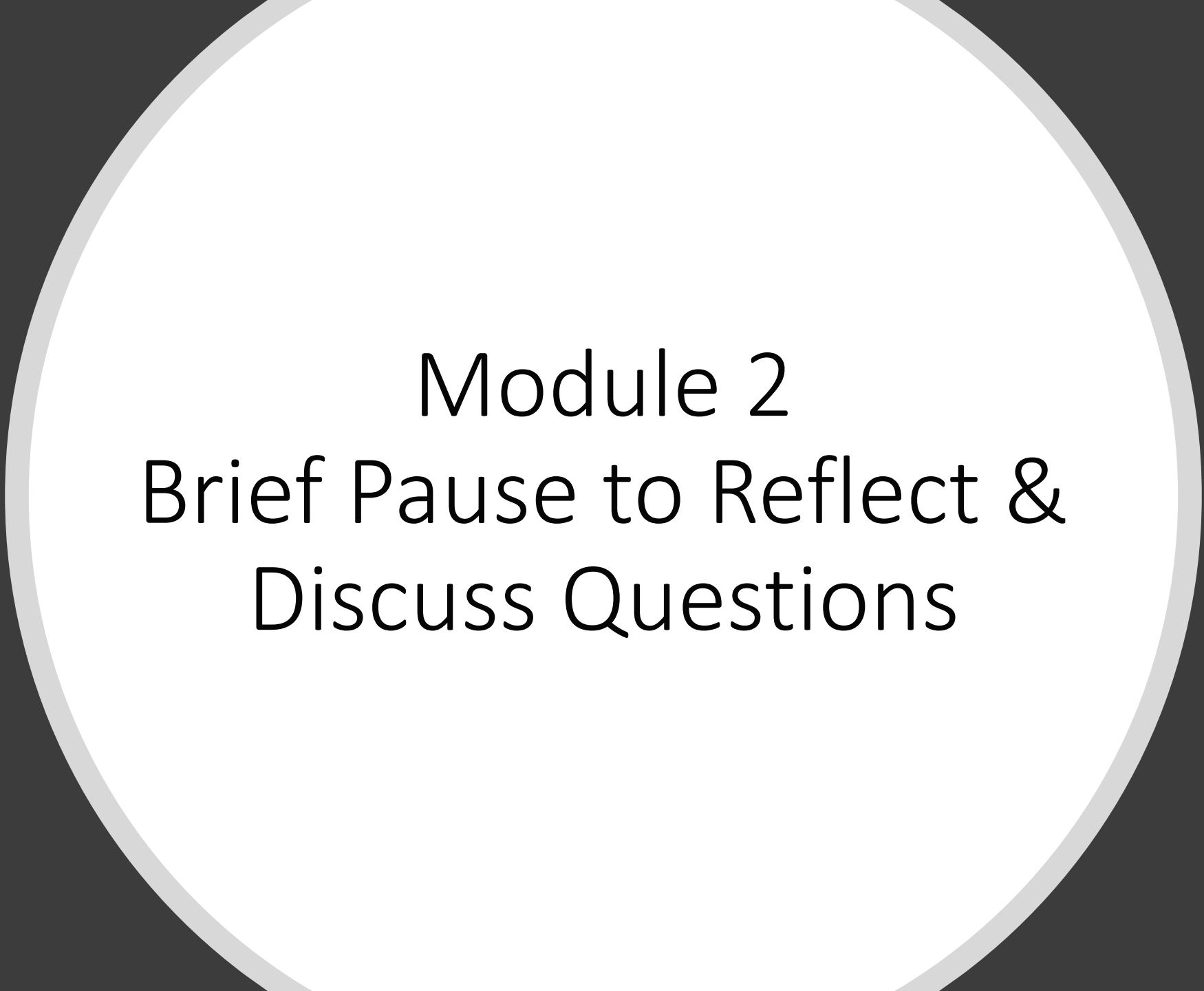
Wednesday, November 22, 2017

9:30am MOBILE: San Leandro Community Church 1395 Bancroft Ave., San Leandro--Open to all

1:30pm Mon. On the Way Hayward (Residents Only)

Discussion Questions

- ▶ How well are we prepared for “conventional” disasters and their effect on people experiencing homelessness? What will happen to unhoused/precariously housed residents?
- ▶ What are particular vulnerable populations within the most likely type of disaster our area faces?
- ▶ How do we partner with those who serve vulnerable populations on the local level for emergency planning?
- ▶ What are some of the “daily disasters” that vulnerable populations have experienced or may experience?
- ▶ How do emergency responders respond to “daily disasters?”
- ▶ Who do you partner with around “daily disasters?”



Module 2
Brief Pause to Reflect &
Discuss Questions

Module 2 Questions

County/Emergency Management

- What messaging is coming from the County: AC Alert, MHB Flash Report?
- How does the county provide coordinated messaging about what's going on in the medial health community, e.g. evacuation and shelter information?
- How is the MHB managing, summarizing and sharing healthcare partner information?
 - What MHOAC Program (EMS, PH, BH, EH) messaging is being provided and how is it coordinated, e.g. What messages are going to what entities? Who/what positions are sending these out?

Transportation

- What are the priorities of 911 and non-911 transport providers?
- How is the county coordinating with the transportation sector and public works to support healthcare facility evacuations and general populations evacuations?


Module 2 Questions

Vulnerable Populations

- How is the county planning to identify and respond to unsheltered populations living in flood prone areas?
- How do we meet needs of larger vulnerable populations (who may become homeless due to events) before/during/after Emergency/Disaster events?
- How do we support vulnerable or unsheltered populations with messaging about public health concerns in a flood situation where they may be even more displaced?

Healthcare Facilities

- Are you developing any situation reports? What would your report if your facility is in an affected area?
 - To whom are your reports going? MHOAC, HO, Home Office?
 - Who/what position at your facility will send a Resource Request to the County?
 - Who/what position at your facility will send the required Situation Status to the County?
- How do you request resources from your city, e.g. generator, propane, sandbags, security?
- What are triggers for you to prepare your facility for evacuation?
- Who/what position will communicate and coordinate mitigation information for storm and flood related safety and risk communication to staff, patients, family members and the community.
- Based on your HVA and information presented in the scenario, would your facility consider sheltering in place with your clients and staff? For how long?
- What is your facility doing with the staff shortages due to school closures and extremely hazardous weather conditions?



Break & Video

Module 3

UPDATE

Module 3 Scenario

Medical Surge, Patient Movement, Healthcare Facility Impacts

- After 3 days of constant rain, conditions continue to worsen.
- One Long Term Care Facility needs to evacuate 76 residents due to structural and utility damage from a falling tree.
- 6 residents have been transported to a local hospital, 2 of which are in serious condition.
- Several healthcare providers are reporting staffing shortages with staff having to remain at home due to school closures, poor road and travel conditions, public transit issues and having to deal with flooding or potential flooding at their residences.

UPDATE

Module 3 Scenario

Medical Surge, Patient Movement, Healthcare Facility Impacts

- The county has experienced two large medical surge incidents involving several injuries. Many injuries involve pediatric patients.
- One is a Hazardous Material leak at a local school. Approximately 35 students ranging from 6 to 12 years of age and several adults are experiencing symptoms of respiratory distress - shortness of breath, coughing, respiratory irritation, irritation of eyes and nausea.

A red stamp with the word "UPDATE" in a bold, sans-serif font, tilted slightly to the right.

Module 3 Scenario

Medical Surge, Patient Movement, Healthcare Facility Impacts

- A second incident - a landslide that struck an elementary school. Several adults and over 40 school aged children (ages 5-12 years old) are suffering from moderate to major injuries.
- The injuries range from - broken bones, strains, head injuries, with many of the victims requiring decontamination before treatment.



UPDATE

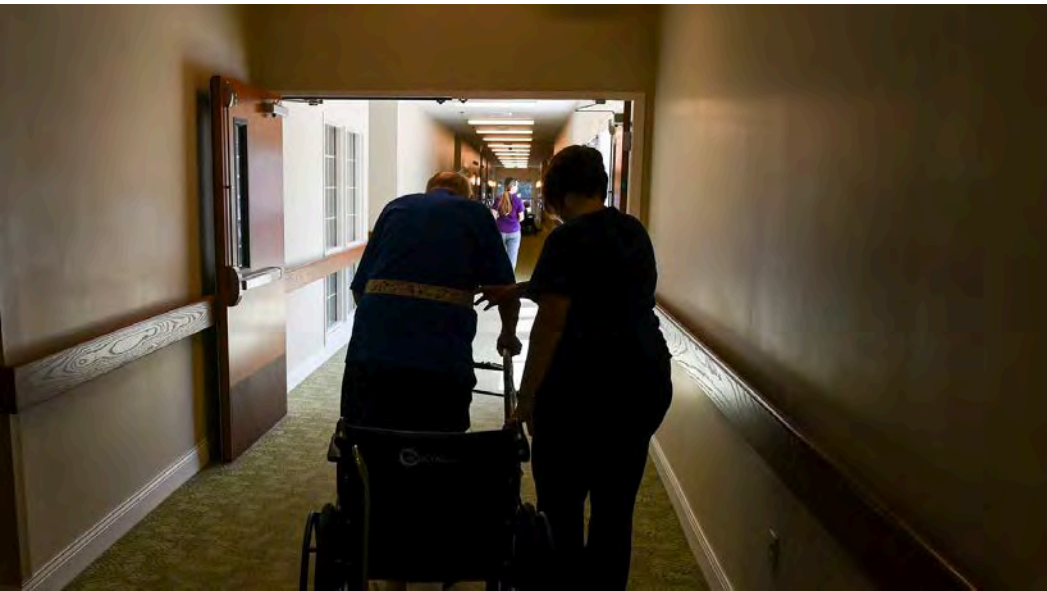
Module 3 Scenario

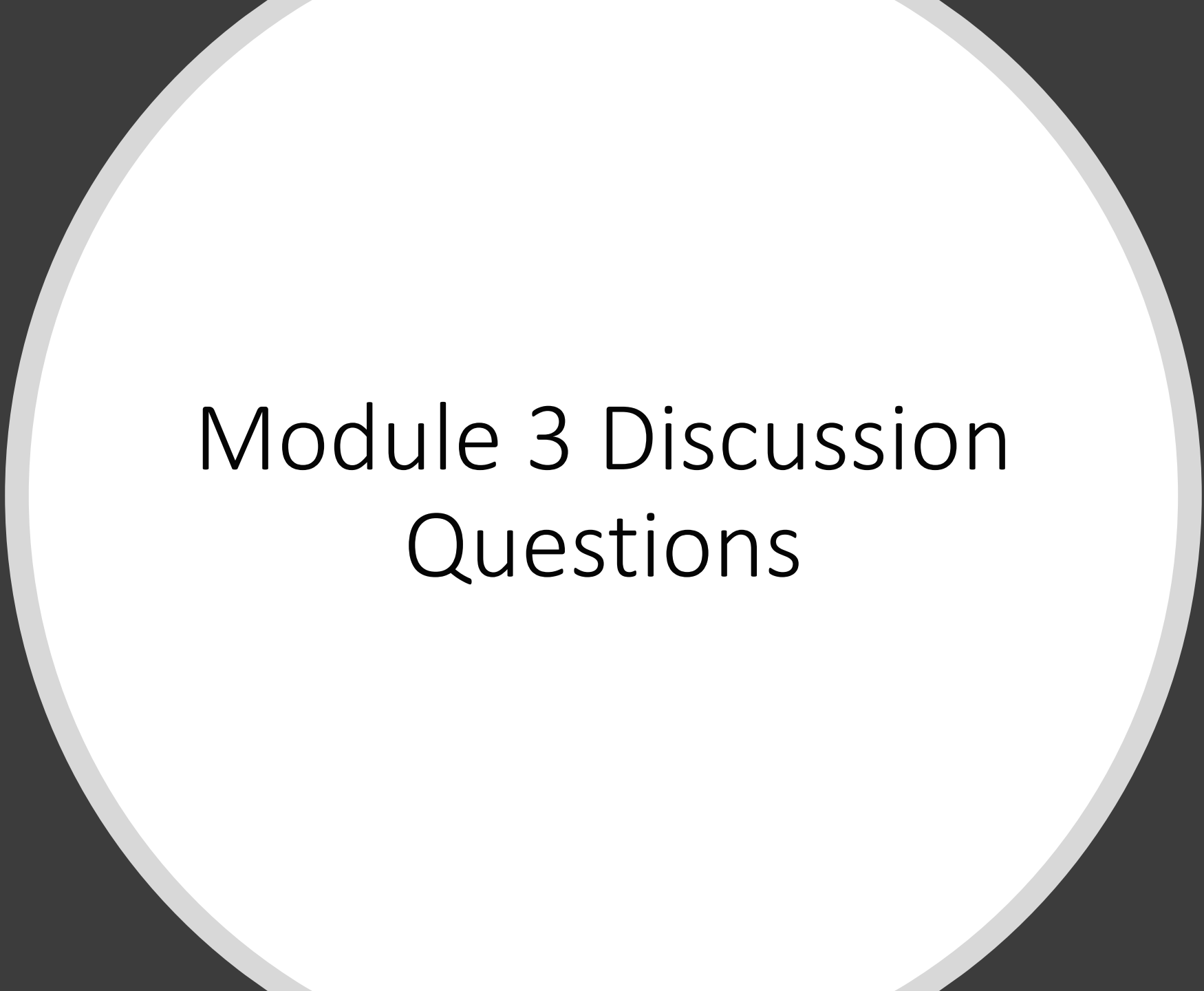
Medical Surge, Patient Movement, Healthcare Facility Impacts

- It is expected that flooding will become more wide-spread and several more Long-Term Care Facilities will need to re-locate patients to facilities in high ground.
- Utility restoration continues to be a problem as utility crews are dealing with a back log of service requests.
- Several areas of the county are still without power with no estimated time for full restoration.
- Flooding and extended power outages are forcing residents to seek public sheltering or trying to stay with family and friends to weather the storm.
- Additionally, the Health Officer and local water districts have issued “Boil Water” orders for many areas impacted by the flooding and notices to residences on well water systems.



Urban Hikers / Noozhawk photo





Module 3 Discussion Questions

Breakout Assignments

- **Front Left Corner – City, County, State, Regional**
Facilitator/Evaluator (Erica Pan, William McClurg)
- **Side Room – Berkeley Hub**
Facilitator/Evaluator (Rachel Rodriguez)
- **Rear Left Corner – Oakland Hub**
Facilitator/Evaluator (Cynthia Frankel)
- **Outside – Southern Hub**
Facilitator/Evaluator (Ron Seitz)
- **Sign in Area – Central Hub**
Facilitator/Evaluator (Preston Lam)
- **Right Middle of Room – Eastern Hub**
Facilitator/Evaluator (Donata Nilsen)

Report Out



Time: 60 minutes



Report Back: 30 minutes (5 minutes each group)



Select a Spokesperson for Your Group



Please Use Report Out Template



Lunch Pick Up
Reconvene for
Hotwash

Hotwash

What were the primary strengths observed during today's exercise?

What were the key gaps or recognized areas for improvement?



Please complete the Participant Feedback Form to capture your candid feedback and ideas for the functional exercise.

Preston Lam

- Functional Exercise Registration
- Webinar Registration
- DPHC Listserv
- CAHAN

Cynthia Frankel

- ReddiNet Communications
- Resource Requests
- Situation Status Reporting

This year's exercise may entail a variety of communication activities
in the weeks leading up the week of November 11th.

Main Exercise Date: November 21, 2019

Functional Exercise Preparation

- **DPHC Listserv**
- **AC Alert**
- **ReddiNet HTML - New**
 - Ensure Training & Update HCC Contact Information
 - Complete HAvBED & Customized Poll
- **Disaster Forms** (New EMS Website Link - <http://ems.acgov.org>)
 - SitStat Reporting
 - Resource Requests
- **Disaster Email:** Med1 Email Address
- If you need resources, use Resource Request Form
 - Email to Med1 Email Address
 - Ensure name of organization on subject line

REDDINET PRE-EXERCISE PLANNING

- ALL 11/21/19 ORGANIZATION “PLAYERS” EXPECTED TO BE REDDINET USERS.
 - PREPARE TO MONITOR MESSAGING; TRACK PATIENTS FOR MCIs,
 - PLAN TO UPDATE CENSUS.HAVBED; & RESPOND TO ASSESSMENT POLLS

CURRENT USERS

- CUSTOMIZE PROFILES ON REDDINET – Forward User Messages to email & or SMS Test
- ENSURE COMMAND CENTER CONTACT INFORMATION UPDATED – PHONE / EMAIL

NEW USERS

- COMPLETE CONTACT FORM & AGREEMENT
- CONTACT CYNTHIA.FRANKEL@ACGOV.ORG

TRAINING

- REVIEW REDDINET USER MANUALS
- PARTICIPATE IN REDDINET MONTHLY WEBINARS
- CONTACT CYNTHIA FRANKEL, REDDINET COORDINATOR FOR OTHER TRAINING



Thank You!

Questions?



Planning Team Check-In