



San Francisquito Creek floodwall



Winter Preparedness Briefing

December 12, 2017

Today's discussion

Weather forecast

Protect parcels from flooding

Preserve flood conveyance capacity

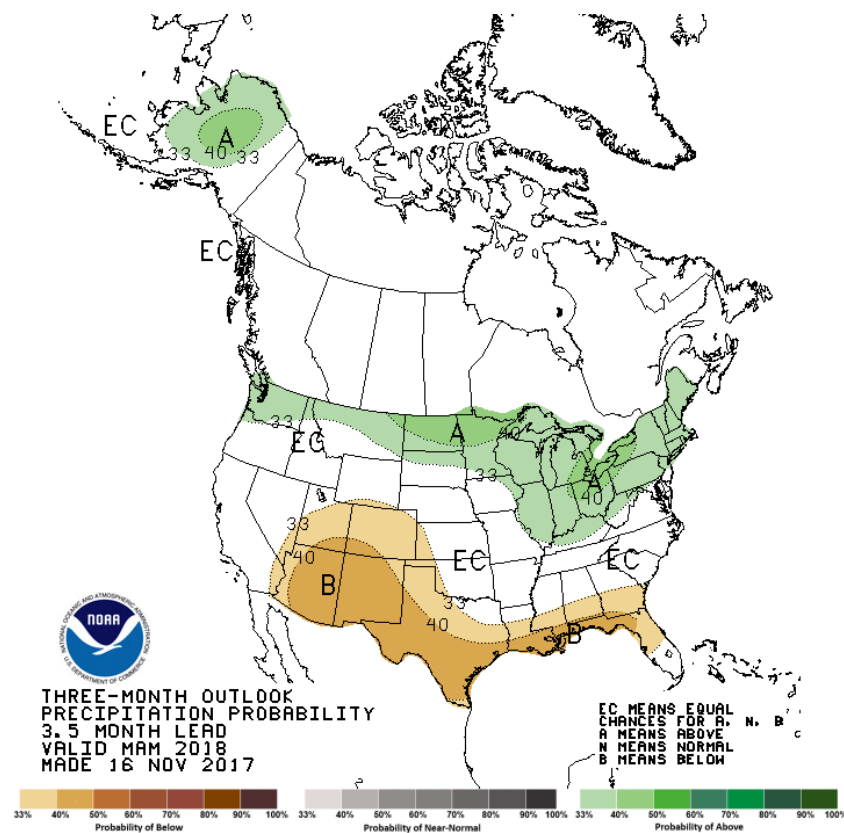
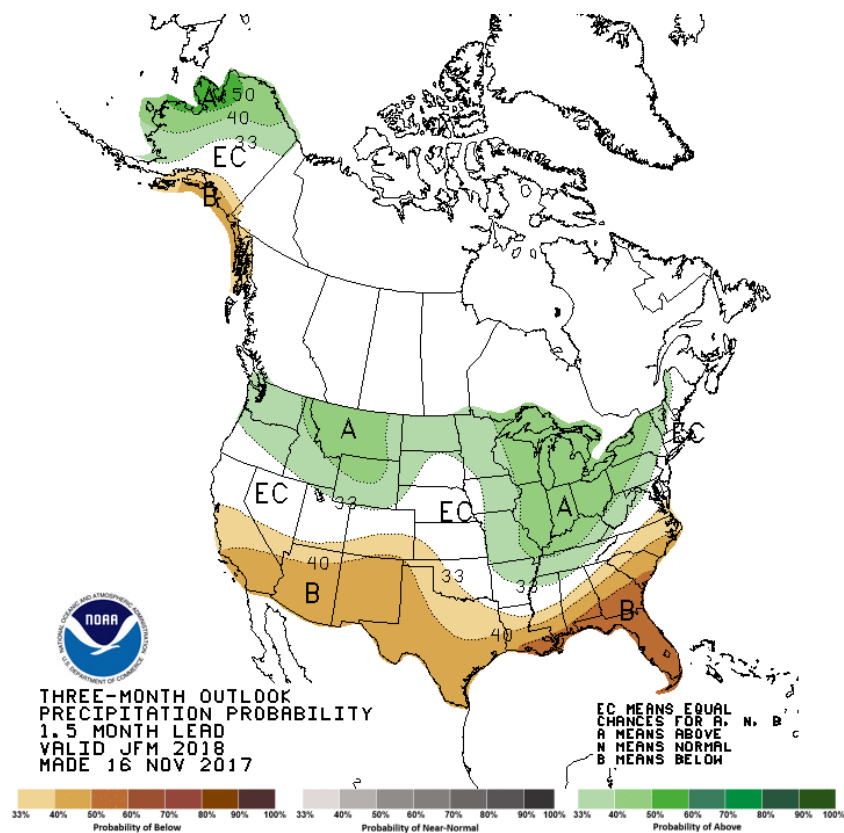
Preserve flood conveyance capacity

Reduce risk through public engagement

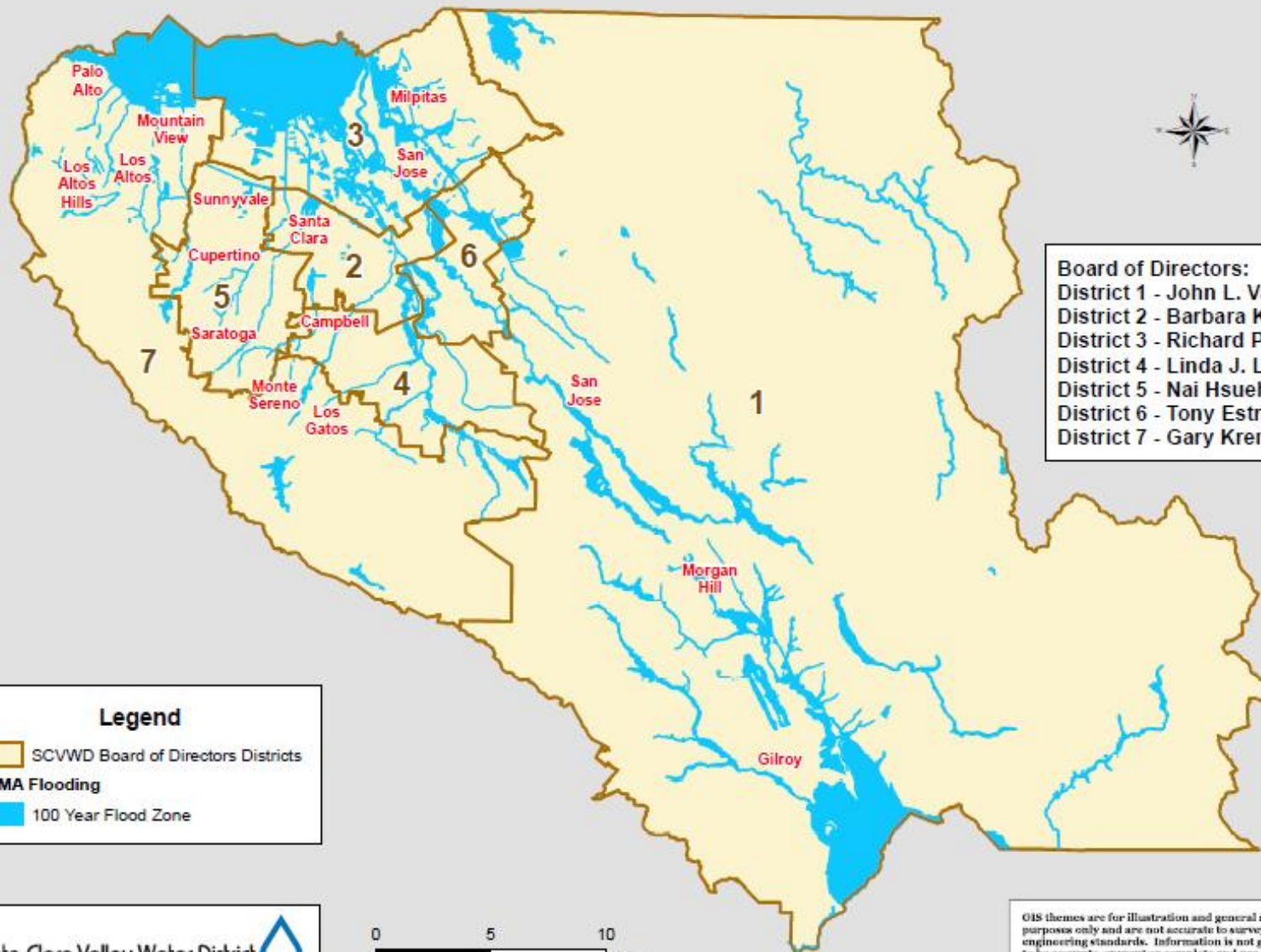
Prepare and respond effectively to
flood emergencies

- Emergency action planning
- Monitoring and flood forecasting
- Reservoir management
- Real-time information, alerts and warnings
- Emergency management systems
- Field response

Long-term forecast



Santa Clara Valley Water District Board of Directors and FEMA Flooding in Santa Clara County



GIS themes are for illustration and general analysis purposes only and are not accurate to surveying or engineering standards. Information is not guaranteed to be accurate, current or complete and use of this information is your responsibility.

Protect parcels from flooding E-3.1.1

CIP accomplishments

- \$900 million in capital improvements
- 100,000 parcels removed from 100-year floodplain

Current projects

- 15 flood protection projects
- 25,500 parcels to be removed from 100-year flood plain

McKelvey Park detention basin





Floodwall and berm construction along Coyote Creek

Preserve flood conveyance capacity E-3.1.2

- Stream and levee inspections
- Sediment removal
- Bank stabilization and levee repairs
- Debris and blockage removal (trees)
- Vegetation management



Stream Maintenance – sediment removal

Project Location	Cubic Yards for Removal (Estimated)
Ross Creek (3 sites)	132
Berryessa Creek	976
Calabazas Creek (2 sites)	15,628
Jones Creek	1,657
Lower Silver Creek (5 sites)	7,387
Thompson Creek	9,294
Total cubic yards	35,074



Sediment removal Thompson Creek



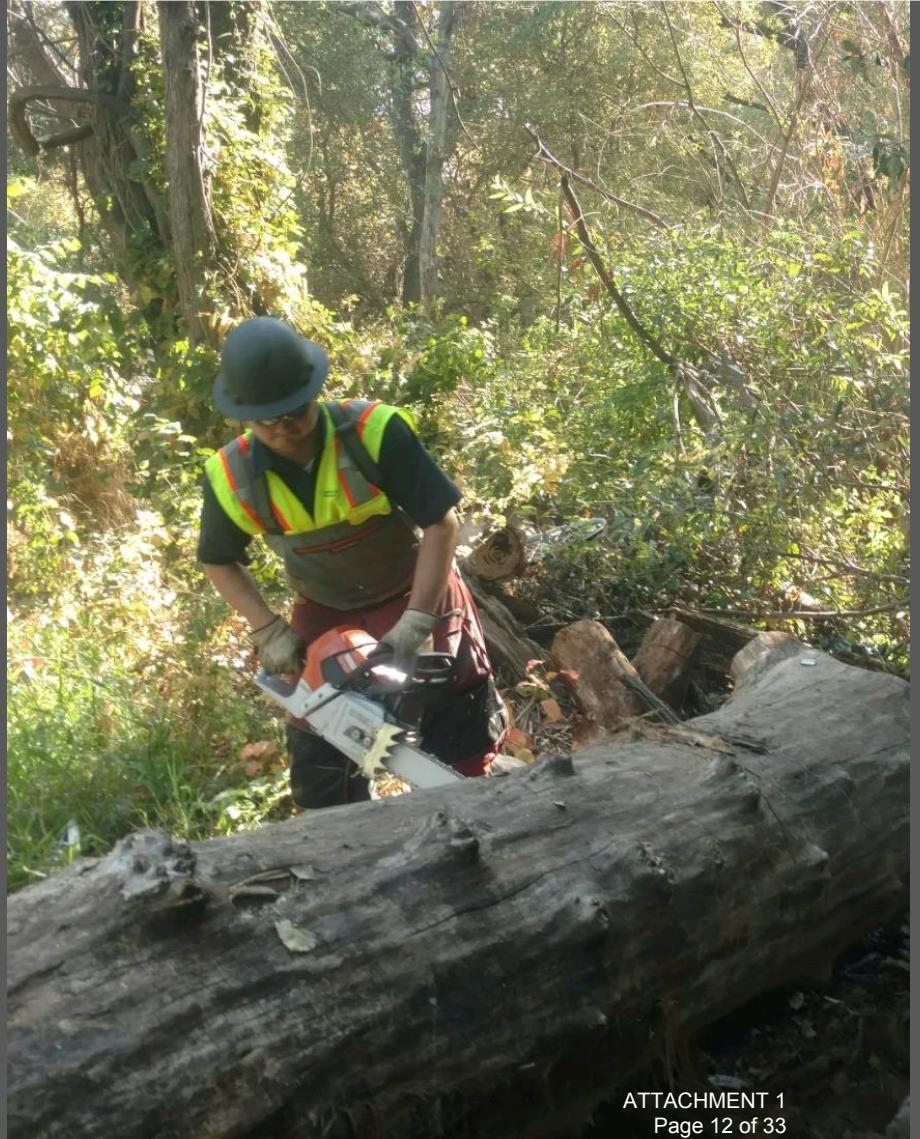
Stream Maintenance – Bank Stabilization

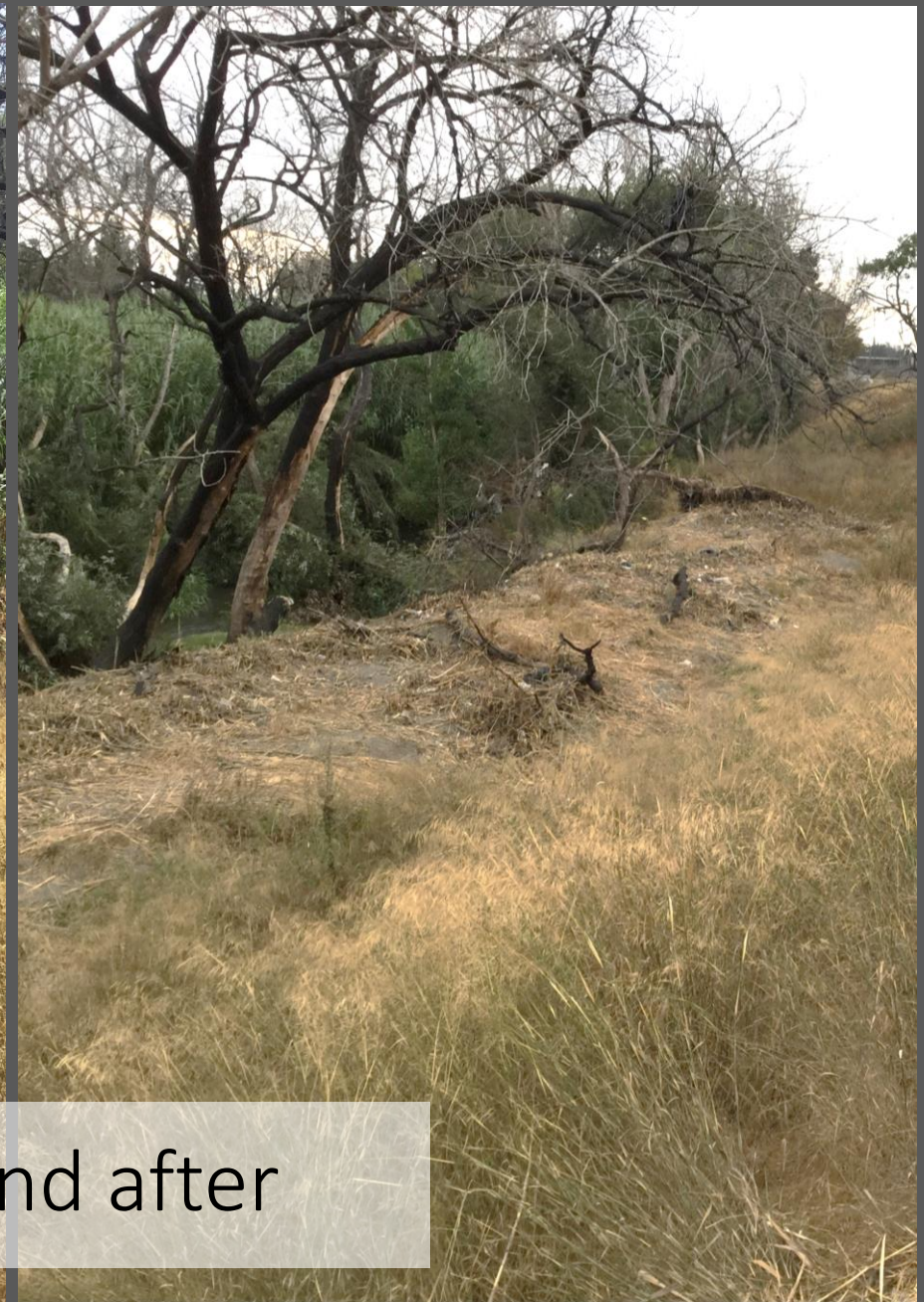
Project Location	Linear Feet (Estimated)
Stevens Creek	205
Ross Creek	460
Barron Creek	260
Los Gatos Creek	170
Coyote Bypass	734
Golf Creek	145
El Camino Storm Drain	600
Calabazas Creek	140
Guadalupe River	30
Coyote Creek	734
Total linear feet	3,478

Bank stabilization Los Gatos Creek



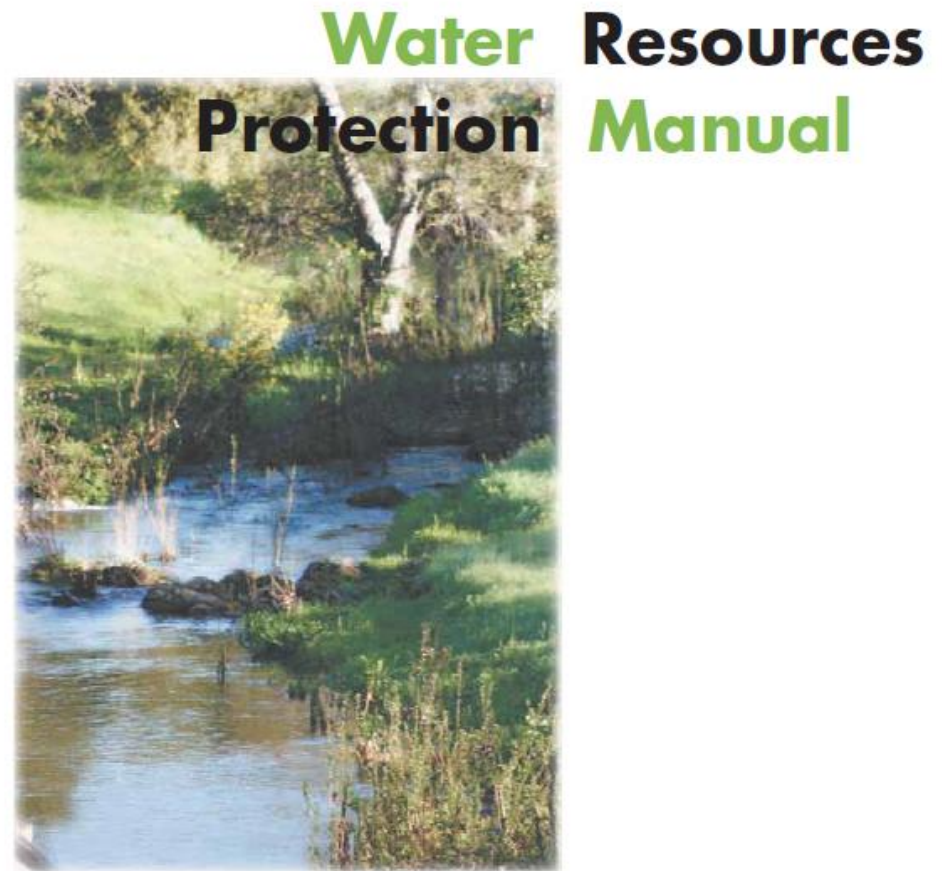
Addressing downed trees





Coyote Creek before and after

Promote the
preservation of
flood plain
functions
E-3.2.1

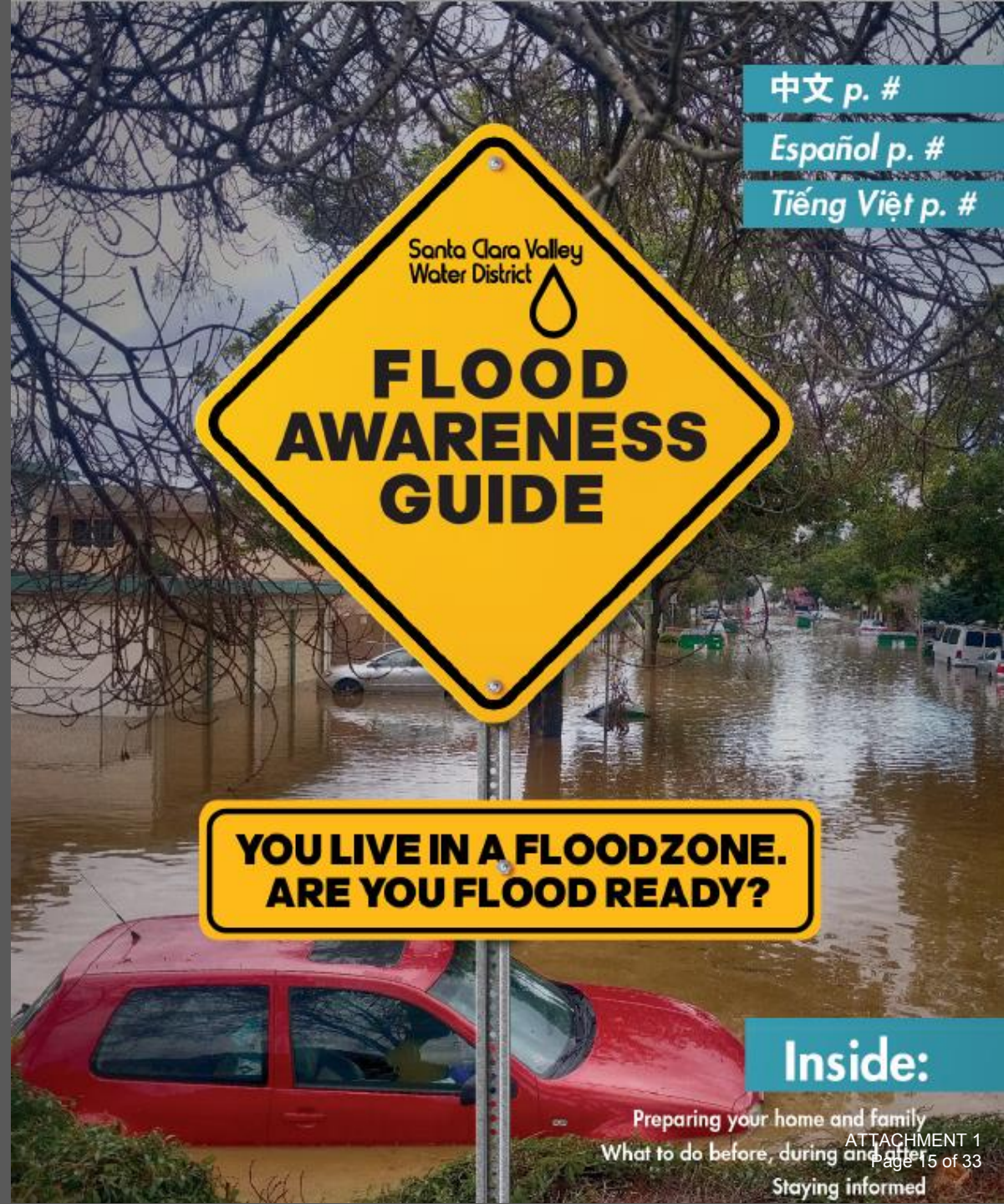


August 22, 2006

Reduce flood risk through public engagement

E-3.2.2

- Community Rating System
- Public education and community engagement



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Tiếng Việt p. #

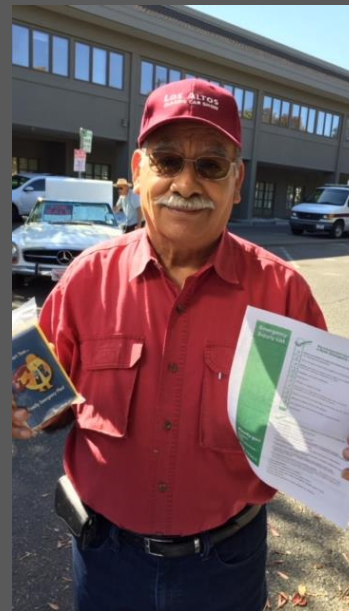
Inside:

Preparing your home and family
What to do before, during and after
Staying informed

Community Rating System

Goals:

- Reduce Flood Damages
- Encourage people to buy insurance
- Promote floodplain management



Outreach campaign

- Raise awareness about flooding being a serious threat, and existing flood risks
- Provide easy and useful tips
- Promote emergency preparedness
- Present the District as a go-to resource for flood protection

Looking out for floods

During a storm, it's important to stay informed on weather patterns and impacts. Nature can be unpredictable and it's important to be prepared to act quickly. Stay tuned to local news reports and keep an ear out for a flood watch or a flood warning.

Flood Watch

A flood watch is issued when flooding is possible.



It does not necessarily mean flooding will occur. During a flood watch, be alert, plan ahead and be ready to go. Know where you can get sandbags, know where you can go if flooding does occur, know a route to higher ground, and where to meet family members or how to get in touch with them. You should also have an emergency kit prepared with clothes, medicines, food and water, supplies and important documents.

Flood Warning

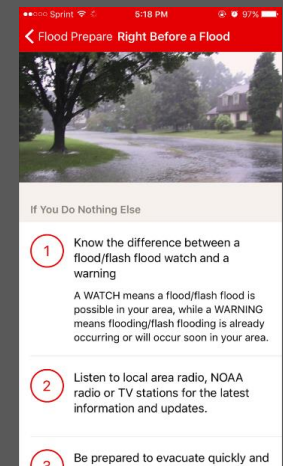
A flood warning means flooding will happen soon or is happening already.



If you become aware of a flood warning, you should evacuate calmly and move to higher ground immediately.

Targeted community outreach

- Focus on preparing emergency plans
- Community events
- Multi-media campaign
 - Print, radio and online ads
 - Weather alerts
 - Ethnic media
 - Floodplain mailer (53,000 residents in FEMA flood zones)



Santa Clara Valley Water District
Oct 17

The first step to being prepared for a flood is being prepared for any emergency. Do you have your emergency kit put together and a family meeting place? #CAfloodprepweek #floodready #floodplan

MAKE A PLAN

Include your specific health and safety needs when creating your emergency plan.



Ad Ready. READY.GOV/

Like Comment Share

valleywater @valleywater · Oct 17

Live in a floodprone area? Free sandbags are available mid-November. Locations & usage guide: <http://bit.ly/2yJL9DI> #CAfloodPrepWeek



Social
media

SANTA CLARA VALLEY WATER NEWS



TEACH ME WORLD OF WATER

PROTECTING YOUR HOME BEFORE THE STORMS

OCTOBER 11 - 10:00 AM • GINA ADRIANO

CLEAN RELIABLE WATER

FLOOD PROTECTION

Flood Protection Resources

- Flood Safety Tips
- Sandbags

Projects

- Flood Protection & Stream Stewardship Master Plan 2010

- Federal Flood Insurance Program
- ValleyWater@Work
- Natural Flood Protection
- Tidal Flooding

Levee Safety

- Flood Reports

HEALTHY CREEKS AND ECOSYSTEMS

PROGRAMS

TECHNICAL INFORMATION

Home > Services > Flood Protection > Flood Protection Resources

Flood Protection Resources

With these tools, learn how determine your flood risk and prepare for emergencies to protect your family and home.



Protect Your Family



Flood Insurance



Is Your Home in a Flood Zone?



Sandbags



Flood Safety Tips



Monitor Stream, Reservoir, Rainfall Levels



Sign Up for Alerts



Report Creek Blockages and Local Flooding

2017 Coyote Creek Flood info

Stream Maintenance Program

SCVWD Map-Based Flood Watch Tool

(Maps best viewed in Chrome, Firefox, Safari or IE 11)

STAY INFORMED DURING STORMS & EMERGENCIES



National Weather Service

ATTACHMENT 1

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This space is for major emergency announcements:
Short, simple and large.

Emergency News

HOME > NEWS & EVENTS

Breaking Tweets

Live feed



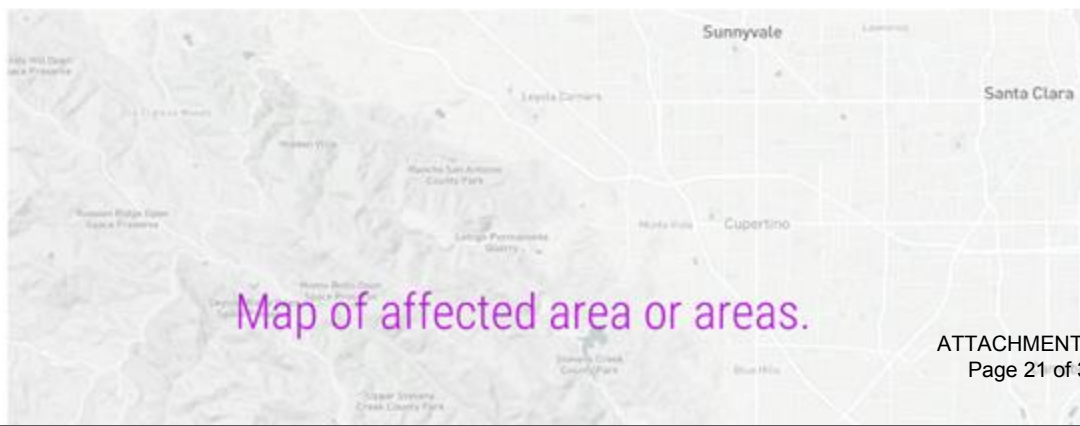
Drupal
@drupal

Follow

Find out why [#Drupal8](#)'s minimum PHP version has increased to 5.5.9 [ow.ly/Pqin9](#) @webchick

3:31 PM · 10 Jul 2015

22 7



Prepare and respond effectively to flood emergencies

E-3.2.3

- Monitoring and flood forecasting
- District emergency management
- Field inspections and response





District Board, San José City Council adopt joint Coyote Creek EAP

Monitoring and forecasting



Madrone stream gauge at Coyote Creek



X-band radar on Penitencia Water Treatment Plant rooftop



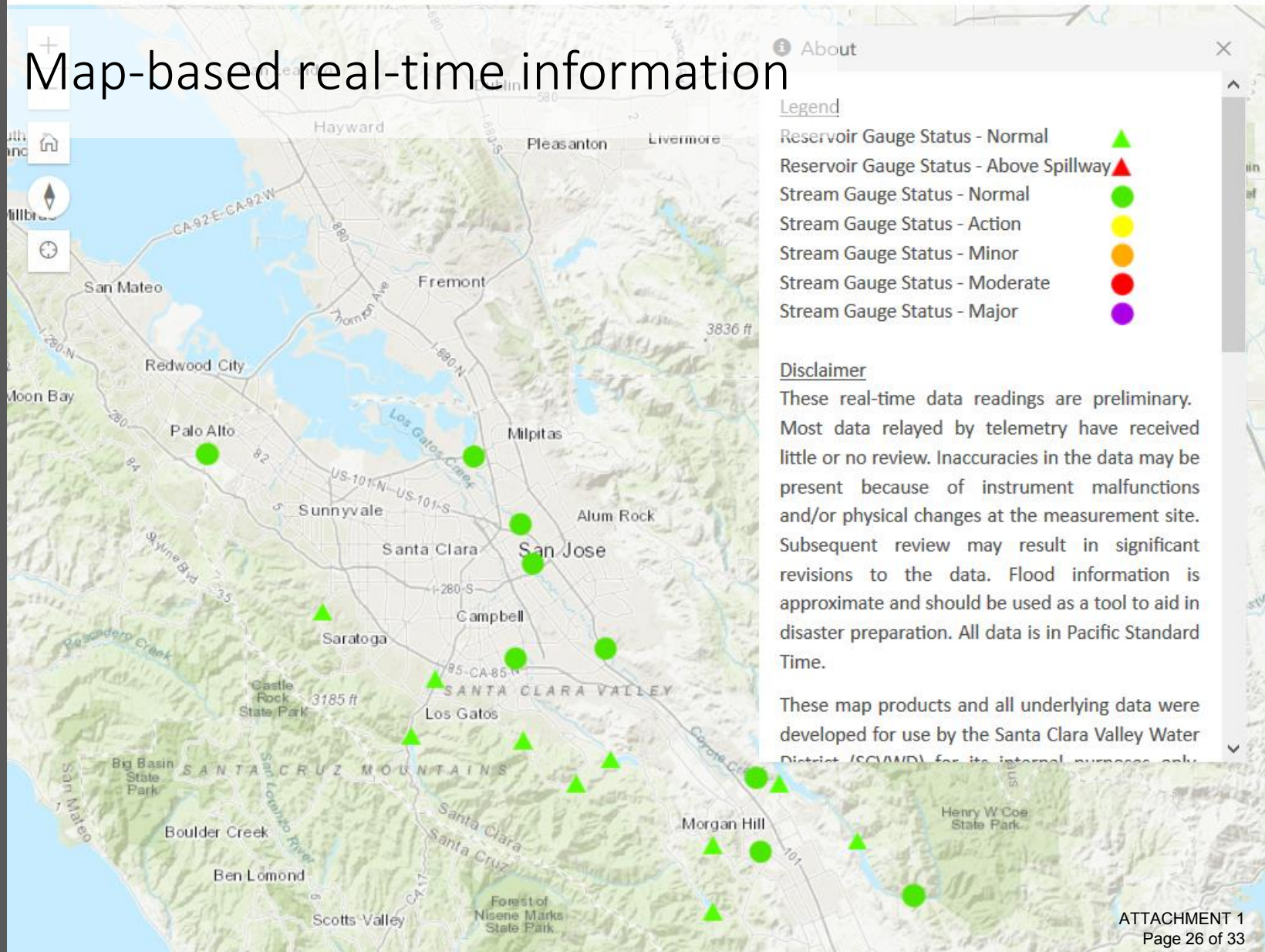
Flood stage gauge at East William Street



Reservoir operations

Anderson Reservoir

Map-based real-time information



Trash rack web cams



El Camino Storm Drain



West Little Llagas

West Little Llagas Road through a trash rack on Santa Clara County owned property at the corner of Main & Hule Ave in Morgan Hill, Blackagay or
Steve Klein (408) 583-1234 or cell (408) 890-0704. Photo update interval: 10 minutes.



Almendra Creek

District readiness

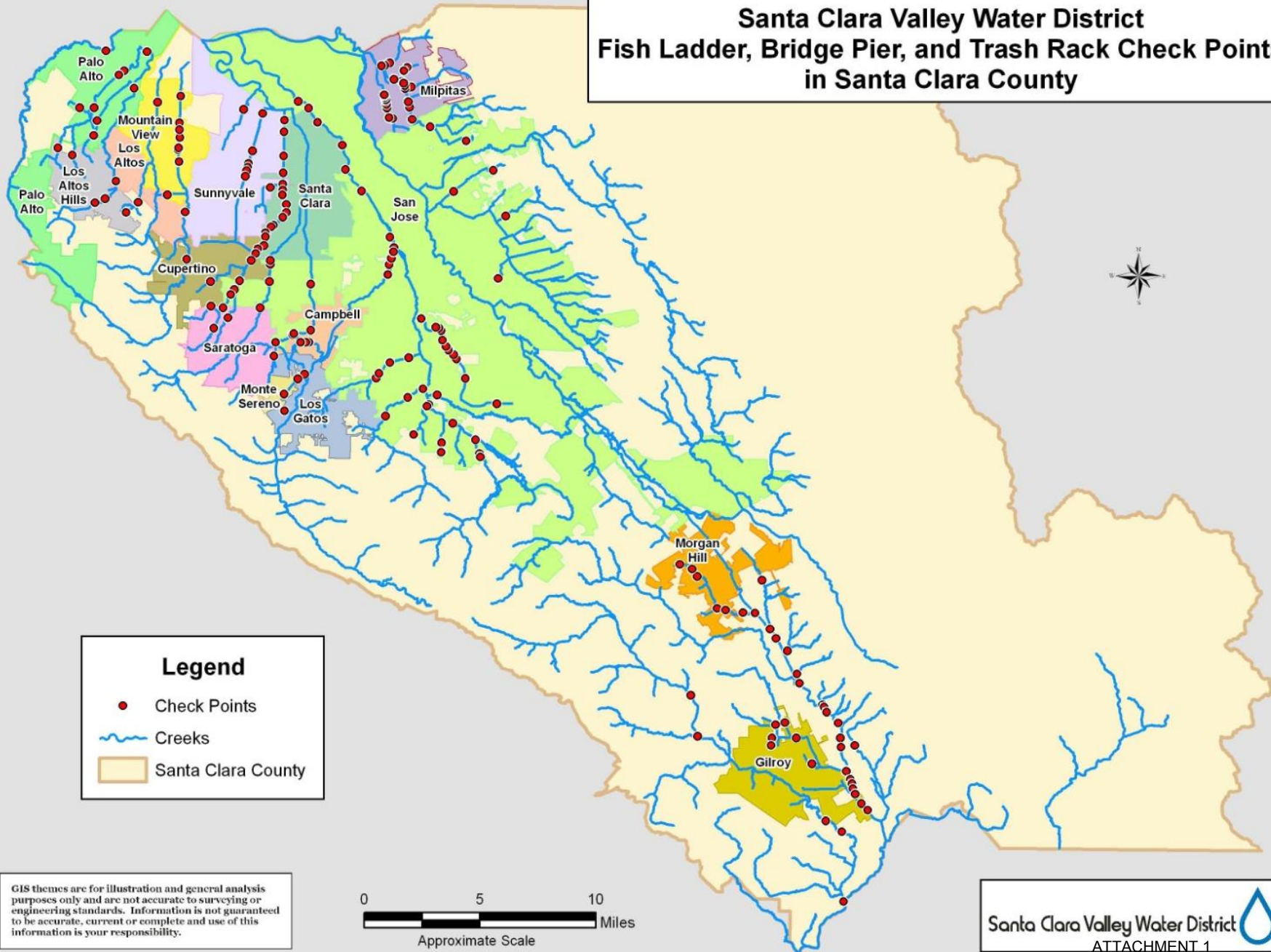
Inter-agency coordination:

- Annual Winter Workshop
- Joint Table Top Exercise for the Coyote Creek EAP
- SCC Operational Area-Wide Exercise
- San Francisquito Creek Workshop and TTX



Joint Table Top Exercise for Coyote Creek EAP

Santa Clara Valley Water District Fish Ladder, Bridge Pier, and Trash Rack Check Points in Santa Clara County

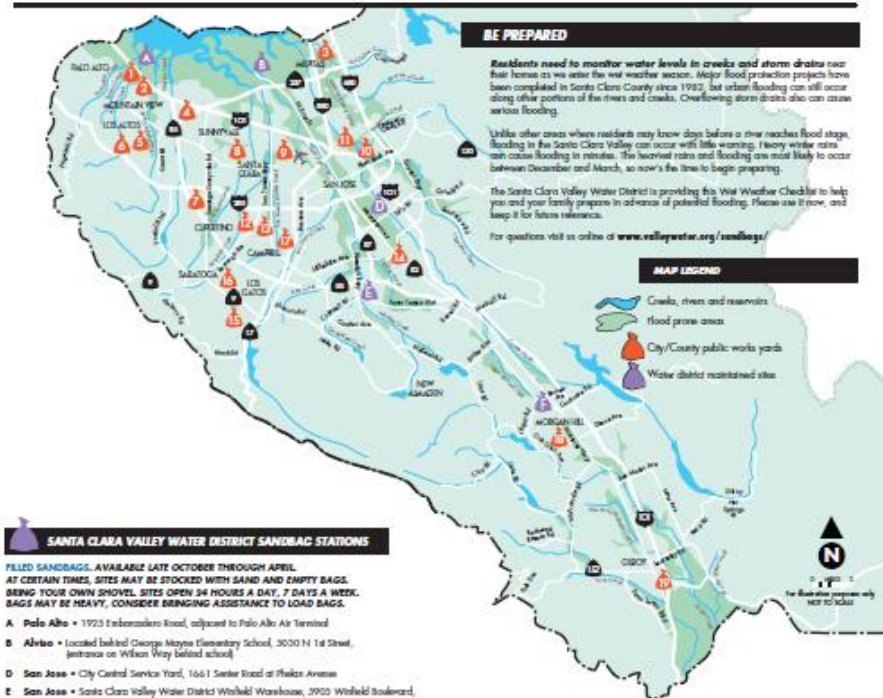


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- ## Field Information Team (FIT)
- Inspect priority locations
 - Provide real-time information
 - Document problems and events
 - Observe operations

Be FloodSafe with sandbags



BE PREPARED

Residents need to monitor water levels in creeks and storm drains near their homes as we enter the wet weather season. Heavy flood protection projects have been completed in Santa Clara County since 1993, but urban flooding can still occur along other portions of the rivers and creeks. Overflowing storm drains also can cause serious flooding.

Unlike other areas where residents may know days before a river reaches flood stage, flooding in the Santa Clara Valley can occur with little warning. Heavy winter rains can cause flooding in minutes. The heaviest rains and flooding are most likely to occur between December and March, so now's the time to begin preparing.

The Santa Clara Valley Water District is providing this Wet Weather Checklist to help you and your family prepare in advance of potential flooding. Please use it now, and keep it for future reference.

For questions visit us online at www.valleywater.org/sandbags/

MAP LEGEND

- Creeks, rivers and reservoirs
- Flood-prone areas
- City/County public works yards
- Water district maintained sites

SANTA CLARA VALLEY WATER DISTRICT SANDBAG STATIONS

FILLED SANDBAGS. AVAILABLE LATE OCTOBER THROUGH APRIL. AT CERTAIN TIMES, SITES MAY BE STOCKED WITH SAND AND EMPTY BAGS. BRING YOUR OWN SHOVEL. SITES OPEN 24 HOURS A DAY, 7 DAYS A WEEK. BAGS MAY BE HEAVY. CONSIDER BRINGING ASSISTANCE TO LOAD BAGS.

- A Palo Alto** • 1923 Embarcadero Road, adjacent to Palo Alto Air Terminal
- Alviso** • Located behind George Mayne Elementary School, 3030 N 14 Street, (entrance on Wilton Way behind school)
- San Jose** • City Central Service Yard, 1661 Senter Road at Phelan Avenue
- San Jose** • Santa Clara Valley Water District Warehouse, 3903 Withfield Boulevard, between Blossom Hill Road and Coleman Avenue - bag pickup street access only
- Morgan Hill** • El Toro Fire Station, 18300 Old Monterey Road, next to the Union Pacific Railroad overpass above Monterey Highway

OTHER SOURCES OF UNFILLED SANDBAGS

UNFILLED SANDBAGS. BRING YOUR OWN SHOVEL. EMPTY BAGS SUPPLIED BY THE WATER DISTRICT. CONSIDER BRINGING ASSISTANCE TO FILL AND LOAD BAGS. PROOF OF RESIDENCY MAY BE REQUIRED AT SOME SITES. CHECK INDIVIDUAL SITES FOR OPERATING HOURS.

- 1 Palo Alto** • Mitchell Park, 600 E. Meadow Drive near baseball field. Bags and sand available all day. (408) 496-6974, after hours: (408) 329-2413
- 2 Palo Alto** • Rincón Park Tennis Court parking lot intersection of Hopkins Avenue and Niemi Road. (408) 496-6974, after hours: (408) 329-2413
- 3 Milpitas** • Hall Memorial Park parking lot, 1st Street/Venencia Street. Additional bags located at the Sports Center at 1325 E. Calaveras Blvd. (408) 366-2600, after hours: (408) 366-2600. BOTH sites will have sand and bags 24/7.
- 4 Mountain View** • Public Services, 231 N. Whitman Ave. located at Whitman Rd. and Gladys Ave. (408) 960-6129, after hours: (408) 960-6195. Bags and sand available all day at parking lot.
- 5 Los Altos** • Municipal Service Center, 707 Fremont Ave. at McAnata Park parking lot. Bags and sand available all day. (408) 947-2783, after hours: (408) 947-2770
- 6 Los Altos Hills** • Corporation Yard, 27300 Paraiso Rd. at the Little League Field. (408) 941-7222, Mon.-Fri. 8:00 a.m.-3:00 p.m. Residents only.
- 7 Cupertino** • City Corporation Yard, 10353 Mary Ave. Bags and sand available all day. (408) 777-3269, Mon.-Fri. 8 a.m.-3:30 p.m., after hours: County Communications (408) 299-2307
- 8 Sunnyvale** • Corporation Yard, 221 Commercial St. at end of California Street. Bags and sand available all day. (408) 730-7900, Mon.-Fri. 7:30 a.m.-4:00 p.m., after hours: (408) 730-7180.
- 9 Santa Clara** • City Corporation Yard, 1700 Walsh Ave. (408) 613-3000, after hours: (408) 613-3640 Available 8 a.m.-4 p.m. inside gate (West exit first. Sandbags available year round)
- 10 San Jose** • City Mabury Yard, 1404 Mabury Road (off I-88, sand and empty bags are provided)
- 11 San Jose** • County East Yard, 1303 Schallenger Rd., Mon.-Fri. 7:30 am.-4 p.m. (408) 494-2730, after hours: County Communications (408) 299-2307
- 12 San Jose** • County West Yard, 11030 Doyle Rd., bags and sand available anytime outside gate. (408) 366-3100, after hours: County Communications (408) 299-2307
- 13 San Jose** • City West Yard, 5090 Williams Road, fill sandbags available anytime outside gate. (408) 343-3100
- 14 San Jose** • City South Yard, 4420 Monterey Rd. at Skyway Drive, fill sandbags available anytime outside gate. (408) 794-6023
- 15 Los Gatos/Monte Sereno** • 41 Miles Avenue at Baker Field parking lot (Monte Sereno residents pick up at Los Gatos site), bags and sand available anytime at lot. (408) 399-3770, after hours: (408) 334-8600
- 16 Saratoga** • Corporation Yard, 19700 Alandale Ave., near Post Office, bags and sand available anytime outside gate. (408) 848-1243, after hours: County Communications (408) 299-2307
- 17 Campbell** • City Corporation Yard, 290 South Dillon Ave., (408) 866-2145, Mon.-Fri. 7 a.m.-3:30 p.m.

WET WEATHER CHECKLIST

- ☐ **Flood Insurance** Renters, homeowners and business owners can purchase flood insurance from the National Flood Insurance Program by calling 1-866-379-9331. Preferred coverage does not cover flooding. Be advised there is typically a 30-day waiting period before your policy goes into effect.
- ☐ **Flood-Prone?** Check whether your home is in a FEMA designated flood zone by entering your address on the FEMA Flood Map Service Center at <http://msc.fema.gov/pdm/>.
- ☐ **Elderly/Disabled** Alert neighbors to any special needs that family members have due to age or disability, in case they're home alone during a flood. Make a list with family contact numbers, doctor's name, any special medications.
- ☐ **Family Contacts** Post family emergency numbers by each phone and use that all family members carry a card with those numbers in their wallet, backpack or stored in their mobile phone. Pick a "check-in contact" for family to phone, preferably outside the Bay Area or out of state.
- ☐ **Inventory** Update your list of personal belongings. Store all vital documents in a safe deposit box or on a second floor.
- ☐ **Meeting Place** Pick a safe location near your home where family members can meet if they become separated and a second location on high ground outside your neighborhood in case it floods.
- ☐ **Pets** Put identification tags on all pets in case gates blow open or fences blow down. Then keep your phone and address to their collar will last for weeks. Visit for increases the child factor, as do not leave pets outside or tied up during a storm—prepare a place inside.
- ☐ **Radio** Keep extra batteries and a battery-operated radio on hand. Tape a list of local news radio stations to it that report Santa Clara County road and weather conditions.
- ☐ **Roofs/Gutters** Make sure your roof, windows, rain gutters and drainage system can handle heavy rain. Top or seal unplanned slopes.
- ☐ **Sandbags** Visit the Santa Clara Valley Water District's sandbag website at www.valleywater.org/sandbags/ to find out about how sandbags and how to use them.
- ☐ **Storage** Prepare to store valuables on higher shelves or on a second story. Move stored furniture on high as possible, as well as garden and pool supplies.

FloodSAFE: Sandbag Guidelines for Homeowners



Early preparation can help prevent flood damage.

La preparación temprana puede ayudar a prevenir el daño de las inundaciones.

Santa Clara Valley Water District







Santa Clara Valley
Water District



Questions?

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