

Storm Preparedness Workshop

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Marine Safety*

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Preparing for a disaster

- Know local hazards, warning systems, evacuation routes, and sheltering locations.
- Develop a family Disaster Plan. www.readyoc.org
 - Identify an out-of-town contact
 - Text messaging > Phone calls
 - Practice your plan
- Register your cell phone numbers, text numbers, and e-mail addresses into AlertOC.
www.AlertOC.com
- Sandbag flood prone areas.



Emergency Kit

- Water, one gallon of water per person per day for at least three days.
- Food, at least a three day supply of non-perishable food.
- Battery-powered or hand crank radio NOAA radio.
- Flashlight with extra batteries.
- First aid kit
- Cash
- Wrench or pliers to shut off utilities.
- Prescription medications
- Whistle
- Important family documents



Public Warning Systems

- Primary notification system is AlertOC
- Media including 93.5 FM
- Social Media – City of Laguna Beach Facebook page
- Vehicle Public Address (PA) Systems
- Door-to-Door Canvassing

AlertOC
Stay Informed



What should I do?

- Stay away from floodwaters. Anything higher than your ankles, stop, turn around and go another way.
- Six inches of swiftly moving water can sweep you off your feet.
- If you come upon a flooded road while driving, turn around and go another way. If you are caught on a flooded road and water is rising rapidly around you, get out of the car and move to higher ground.
- Most cars can be swept away by less than two feet of moving water.
- Keep children out of the water. They are curious and often lack judgement about running water.
- Be especially cautious at night when it is harder to recognize flood danger.

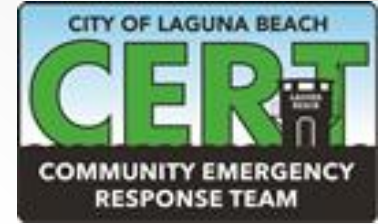


Evacuation & Sheltering

- Voluntary vs Mandatory evacuation
- Routes depending on incident/event
- Don't wait. Leave early.
- Those who wait for actual confirmation of catastrophic levels may be trapped by flooding or traffic.
- Shelter locations depends on location of incident and hazard.
 - Susi Q Center
 - Laguna Beach High School
 - Dana Hills High School



CERT Program



- Taught collaboratively by the Police & Fire Department.
- 25 hours of FEMA certified training.
- Topics include: Search & Rescue, Fire Suppression, Terrorism awareness, Traffic Control, Disaster Preparedness, and more!
- 200 graduates since the program was implemented in 2012.



Marine Safety Chief Kevin Snow



Marine Safety Chief Kevin Snow

- **What to expect based on previous events**
- **Storm awareness**
- **Storm preparedness relating to the beach and ocean environment**

What to expect.... Coastal Erosion

Caused by; large surf, storms, and flooding.



Crescent Bay 2010

Coastal Erosion



Bluebird/Cress Street
Beach 2010

Coastal Erosion



Main Beach 2010

Coastal Erosion



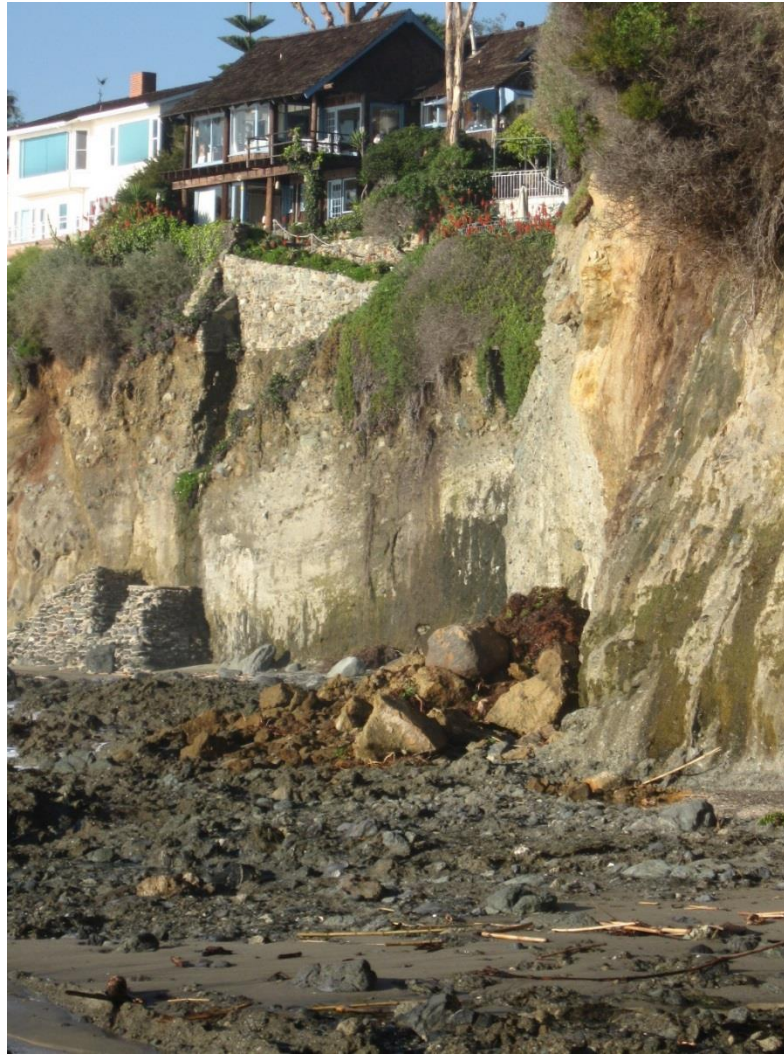
Main Beach 2010

Coastal Erosion/Small Landside



• Victoria Beach 2010 •

Coastal Erosion/Small Landside



Rockledge 2010

Coastal Erosion

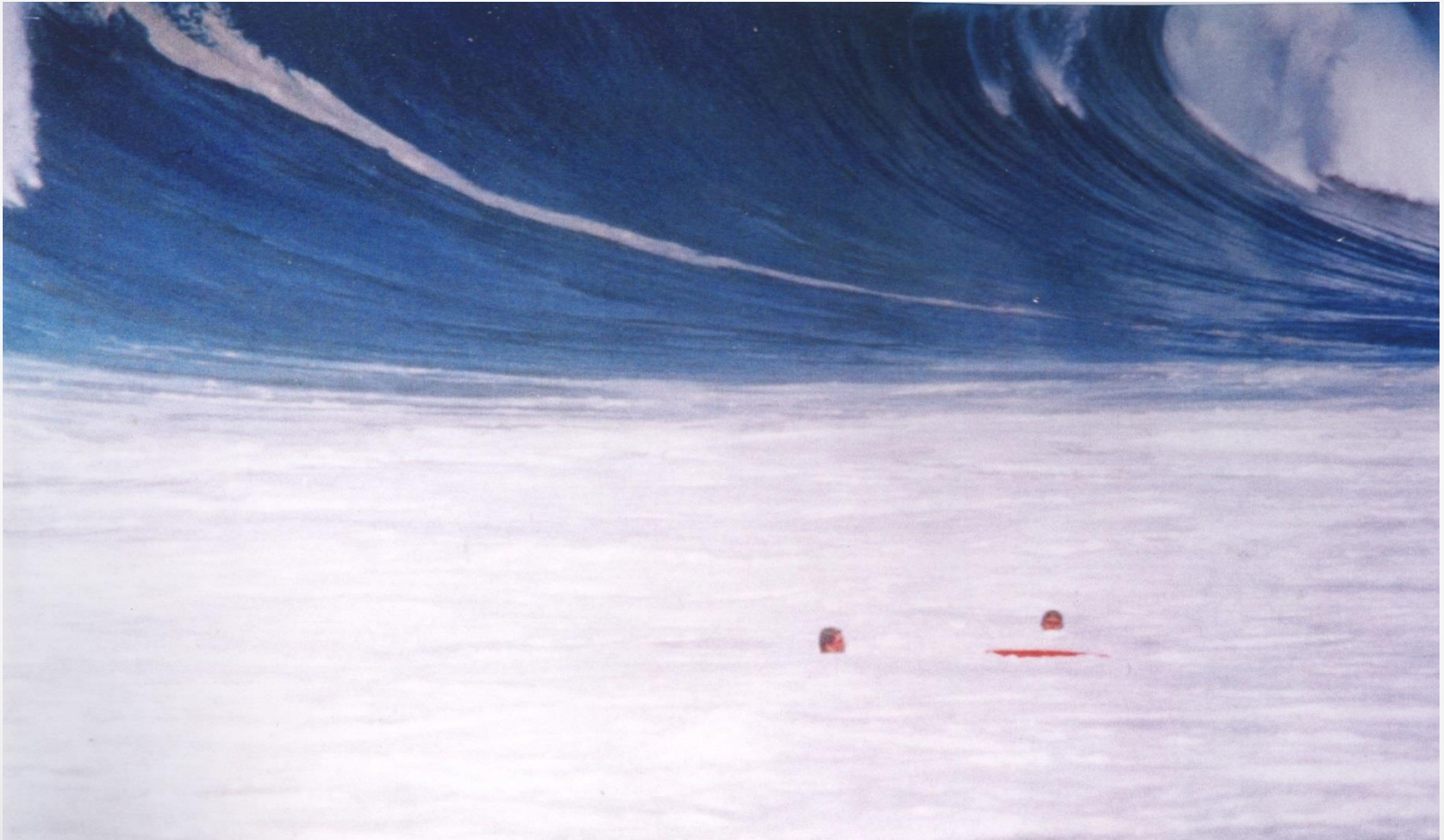


• Treasure Island 2010 •

What to expect....Large Surf



Large Surf....



What to expect...Consistent Surf



What to expect...Debris



What to expect...Debris



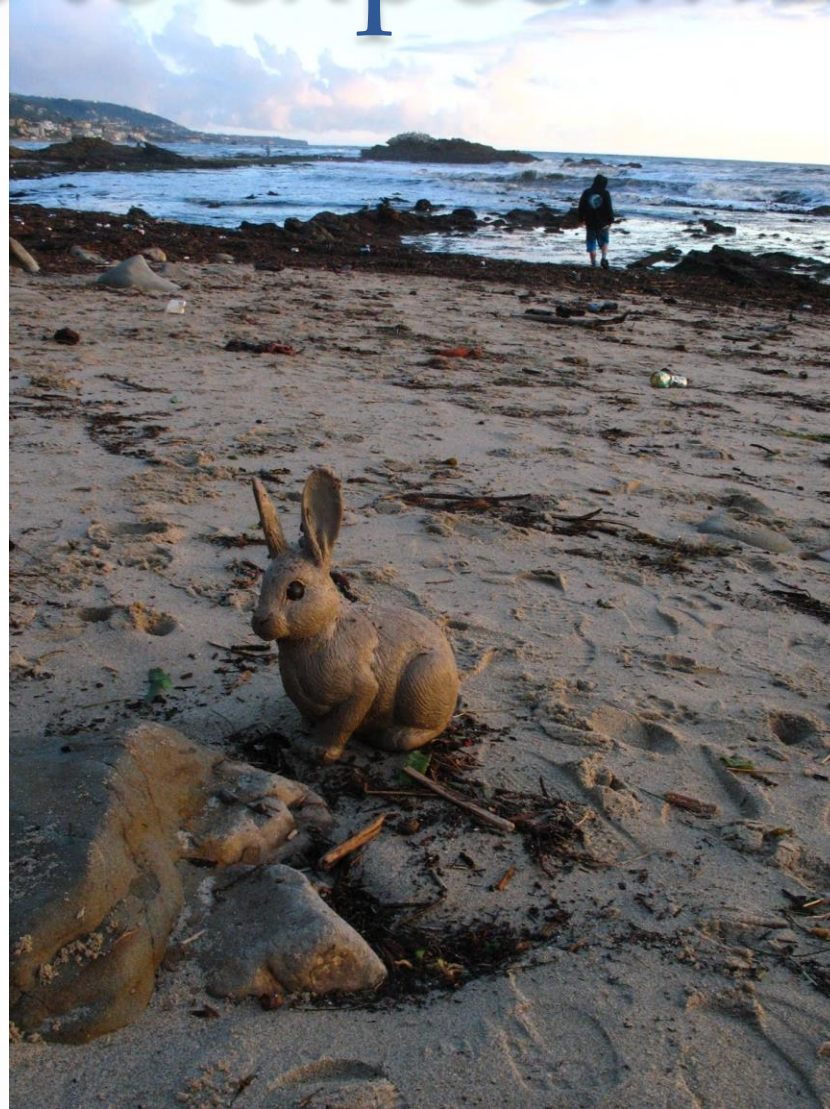
• Main Beach 2010 •

What to expect...Debris



• Main Beach 2010 •

What to expect...Debris



• Rockpile Beach 2010 •

What to expect...Debris



• Rockpile Beach 2010 •

What to expect...Debris



• Rockpile Beach 2010 •

If a storm event is likely,
you should



You should...

Stay off the beach and out of the ocean during storm events.



You should...

Stay off of the rocks!



You should....

Stay off the Main Beach boardwalk!



Main Beach Boardwalk 2010



Main Beach Boardwalk 2010



Main Beach Boardwalk 2010



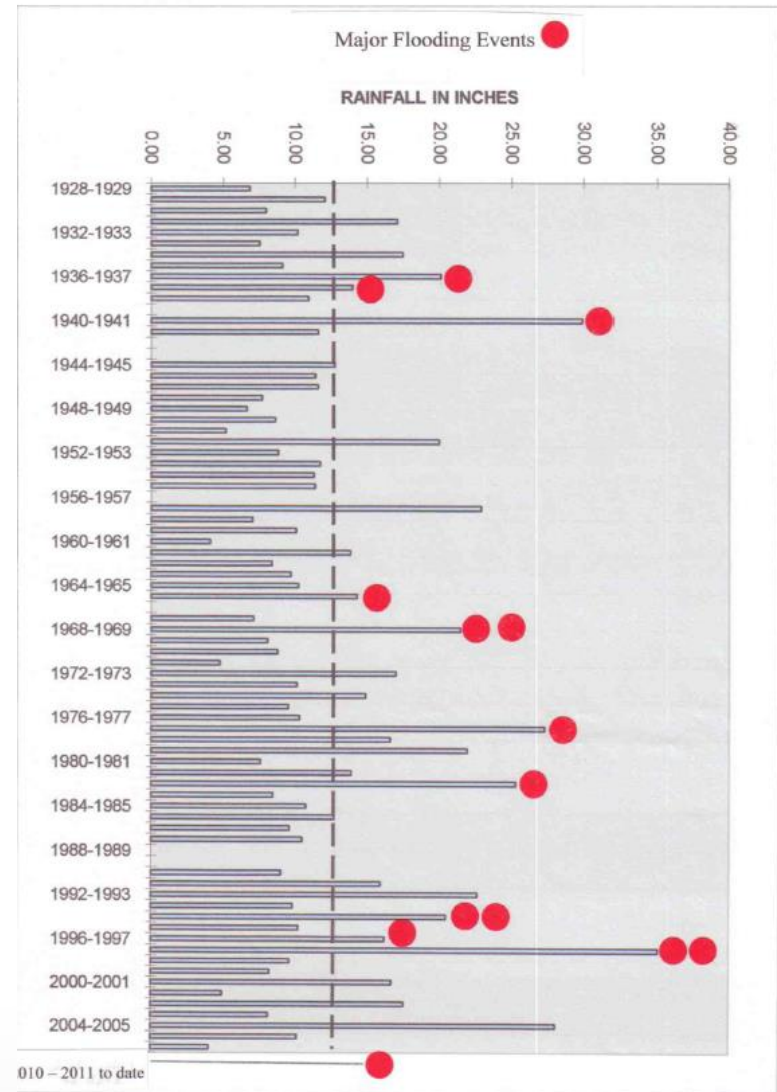
You should...

If there is any possibility of flooding, move to higher ground.

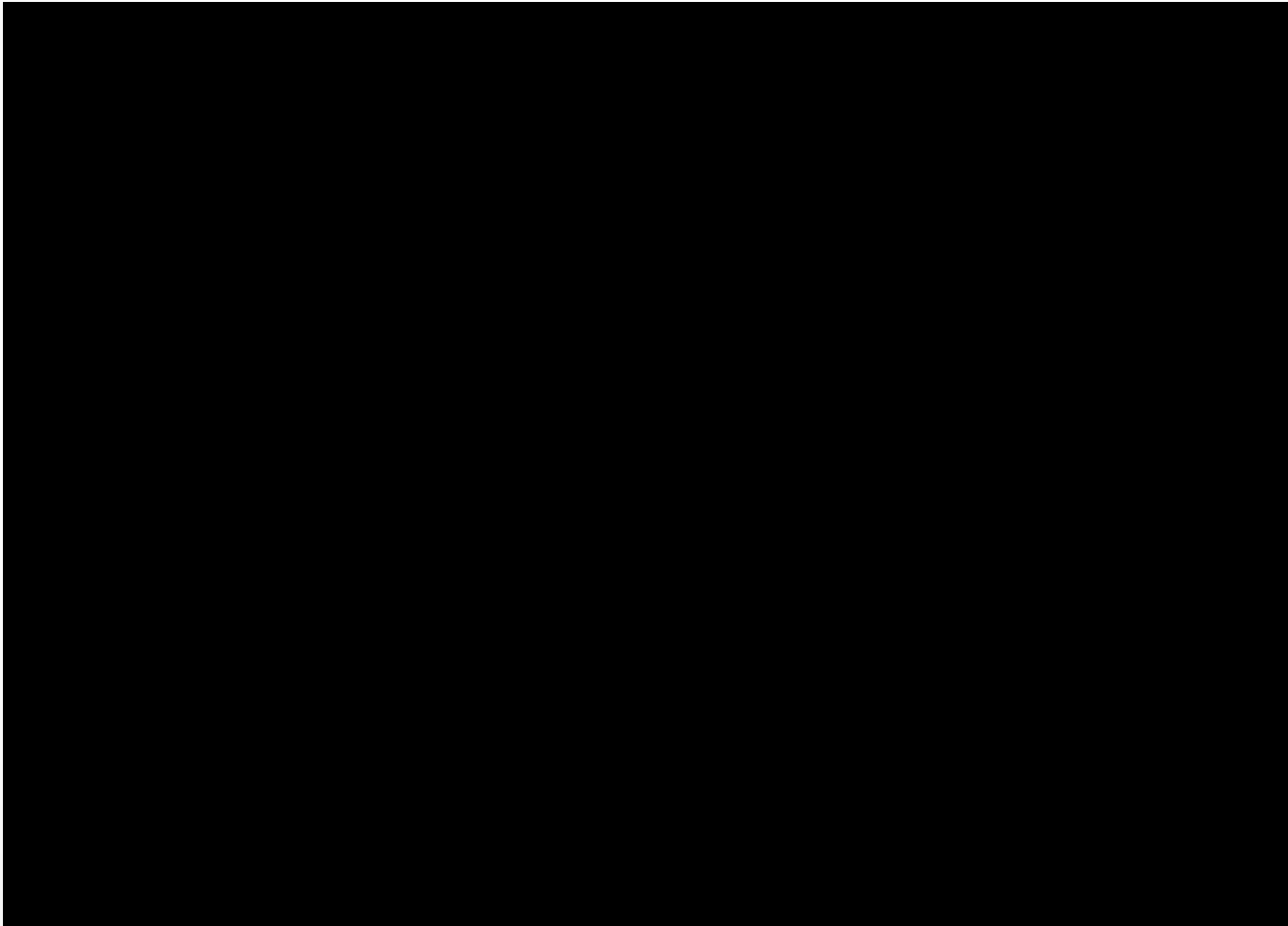


Jeff LaTendresse Laguna Beach Fire Dept.

- Thrills by the second you can bet; but we can't help it if you get wet
- El Niño Years:
 - 1965
 - 1969
 - 1979
 - 1982
 - 1988
 - 1993
 - 1997
 - 1998
 - 2010



Flooding in Laguna Beach is not new – LCR in 1938



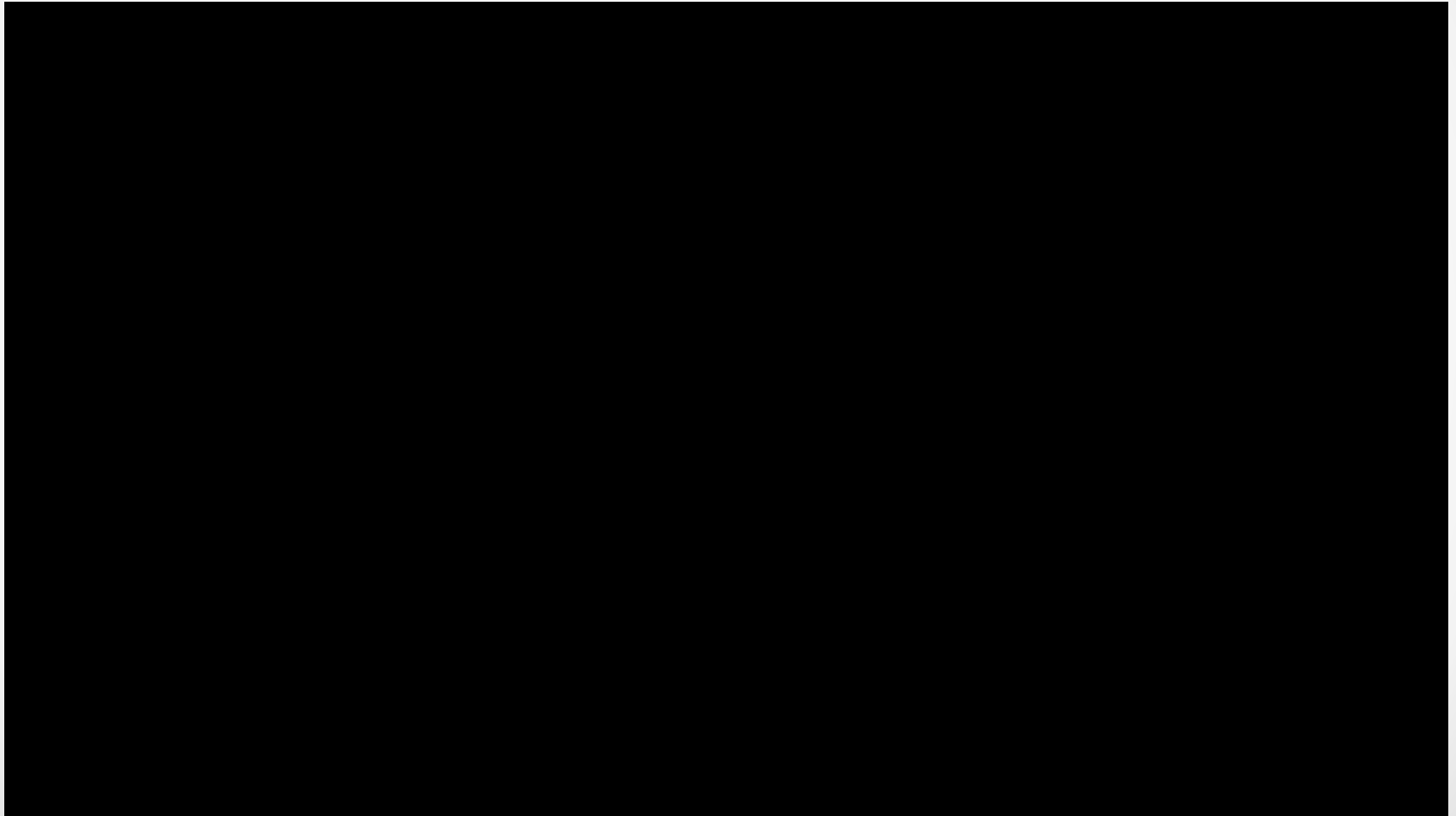
Flooding in Laguna Beach is not new – LCR in 2010



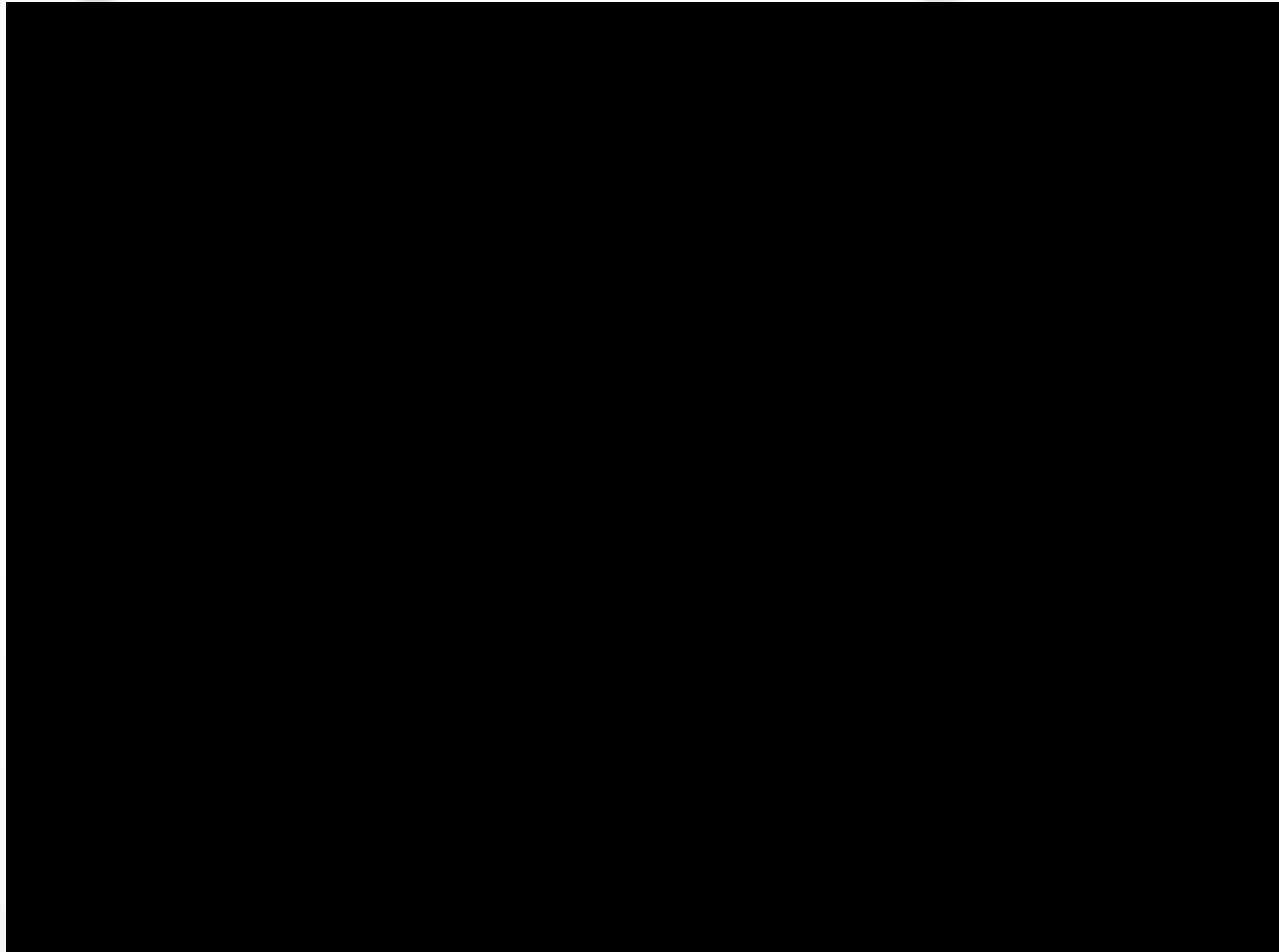
Flooding in Laguna Beach is not new – LCR in 2010



Flooding in Laguna Beach is not new – LCR in 2010



And the Canyon is not the
only place – N. Laguna 2010



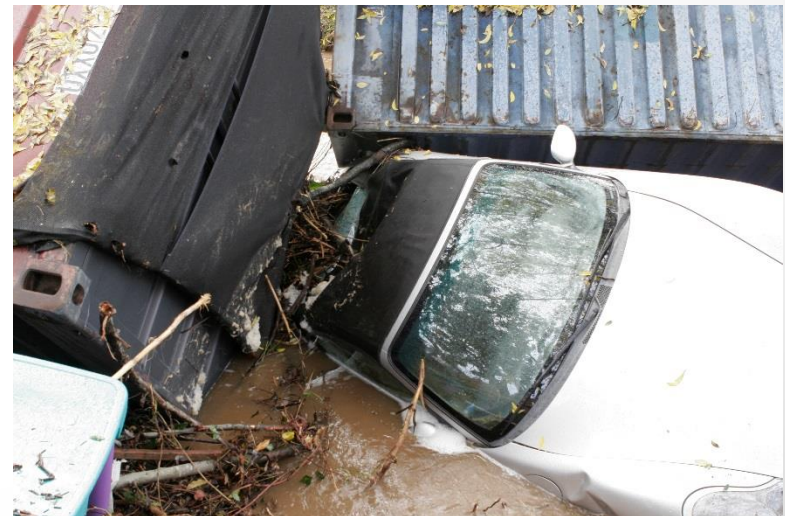
Specifically, what can I do to make my home safer?

- Prepare your home prior to the storm
 - Clean out your rain gutters and downspouts – keep area clear
 - Move valuable items away from low-lying areas
 - Work with neighbors to solve drainage problems and to avoid diverting debris onto another property
 - Have supplies ready:
 - Sandbags
 - Plastic sheeting
 - Lumber
 - Place sandbags ahead of storms



What else should we know?

- Where to park your car
 - Not over or near a storm drain
 - Not near a manhole cover
 - Not near a channel or where water flows
 - Not below areas know to have mud and/or landslides
 - Not near a burn scare




What has the City done to prepare?

- Education:
 - Tonight's presentation
 - Targeting flood prone areas with mailers and door hangers
 - Using social media and the City's website to provide information
 - Sending out a City-wide Disaster preparedness brochure
 - Working with local schools to ensure effective coordination



City of Laguna Beach
Disaster Preparedness



AlertOC
STAY INFORMED



Emergencies can happen at any time. A wildfire could spread which requires evacuations or an unexpected flood closes roads to a neighborhood. In these instances, AlertOC is a critical link for residents and businesses to immediately learn of any required actions.

All Laguna Beach home phone numbers are already pre-registered in the system. Citizens are encouraged to register their cell phones, text numbers, e-mail addresses, work numbers, and TDD/TTY devices into the system. Register them today at www.AlertOC.com.

If you feel unsafe during a disaster, do not wait for the call to evacuate.

Go Bag Checklist

- ◇ Water, one gallon per person per day for at least three days, for drinking and sanitation
- ◇ Food, at least a three-day supply of non-perishable food. Can opener if necessary
- ◇ Batter-powered or hand crank radio and a NOAA Weather Radio with tone alert and extra batteries for both
- ◇ Flashlight and extra batteries
- ◇ First aid kit
- ◇ Whistle to signal for help
- ◇ Moist towelettes, garbage bags and plastic ties
- ◇ Cash and whistle
- ◇ Wrench or pliers to turn off utilities



Don't forget about the people who depend on you. Are there children, older adults, people with disabilities, special medical needs, or pets in your life?

These groups are more vulnerable during a disaster, and your emergency plan should take their needs into consideration.

What has the City done to prepare?

- Terrace Drains
 - These are drains that are located on the hillside to convey runoff and channel water to maintain the integrity of the slope
 - Approximately 250 property owners were advised to inspect and repair these drains as needed
 - City Building Inspectors inspected these drains
 - Press release in August discussed this program



What has the City done to prepare?

- Floodgates in the Downtown area
 - Required as per City Code
 - Designed to reduce property damage by keeping water and debris out
 - Inspected by Code Enforcement
 - Had a “training day” so business could practice putting the gates up
 - Could be helpful in many other areas
 - An inexpensive way to prevent water damage



What has the City done to prepare?

- Weather Monitoring System – Working with local and regional meteorologists
 - Ground water saturation monitors
 - Video cameras of flood channel
 - Rain gauges connected to City and County
 - Monitored by City staff during a significant rain event
 - Establishment of “triggers” that will set the City’s plan in motion



What has the City done to prepare?

- Laguna Canyon Channel
 - Inspection of the entire channel
 - All debris removed
 - Vegetation adjacent cleared away
 - Where on private property – owners advised to properly maintain
 - Ownership
 - Private from El Toro to about the Dog Park
 - Orange County Flood Control from Dog Park to Main Beach



What has the City done to prepare?

- Training
 - Emergency Operations Center training for key staff
 - Scenario was a winter storm event
 - All Department Heads participated and filled the roles as if an actual incident
 - Swift Water Awareness training for Fire, Marine Safety and Public Works
 - 6 hour training for over 50 personnel
 - Field trip of problem areas in the City



What has the City done to prepare?

- Sandbags
 - Sandbags only at
 - Fire Station One
 - 501 Forest Avenue
 - Fire Station Two
 - 285 Agate Street
 - Fire Station Three
 - 2900 Alta Laguna Blvd.
 - Fire Station Four
 - 31646 2nd Avenue
 - Filled Sandbags (1st time!)
 - City Corporate Yard
 - 1900 Laguna Canyon
 - Aliso Beach Parking Lot
 - Inland Side

SAND BAGS

**PLEASE TAKE ONLY WHAT IS NEEDED
FOR YOUR HOME OR BUSINESS**

**AVAILABLE FOR CITY OF LAGUNA BEACH
RESIDENTS AND BUSINESS OWNERS**

NO CONTRACTORS

Sand Bags/ Fill Material Available at
Larry's Building Supplies
Located at 1975 Laguna Canyon Rd (949) 494-1107
Open Mon. - Fri. 5:30 a.m. to 4:30 p.m.
& Sat. 6:30 a.m. to Noon

How will the City respond during a storm?

- First, we will monitor storms with assistance from National Weather Service
- Based off of pre-determined triggers, each Department will staff up as appropriate
- Key staff members will open the City's Emergency Operations Center



How will the City respond during a storm

- Task Force Concept
 - One Fire engine
 - One Marine Safety Unit
 - One Public Works Unit
- Respond as a team prepared to mitigate incident
- City is spilt into five regions, or divisions
- Department Operations Center take dispatching control

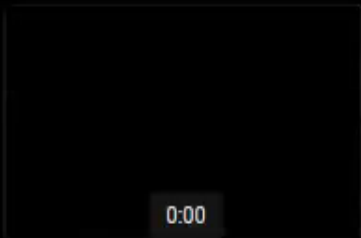
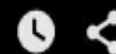


How will the City respond during a storm

- We will:
 - Preposition personnel and equipment in pre-determined safe areas
 - Issue evacuation orders based off of forecasted rain events
 - Utilize Alert OC
 - If time permits, drive the area and go door to door
- We will not:
 - Drive through deep water
 - Cross a bridge that has had water run over the top until it has been inspected
 - Walk through water deeper than our knees
 - If you are on the other side of the water, we will wait until water subsides



BREAKING: Rescuer Gets Swept Away During Swift Water Rescue in LA (HD)



Los Angeles Flash Floods
Rescuer, 1:04

Los Angeles Flash Floods
Rescuer, 1:04

Rescuer gets swept away
during swift water rescue

Rescuer gets swept away
during swift water rescue



Thank you;
 Questions
 will be
 answered
 after Alex
 Tardy from
 the National
 Weather
 Service

