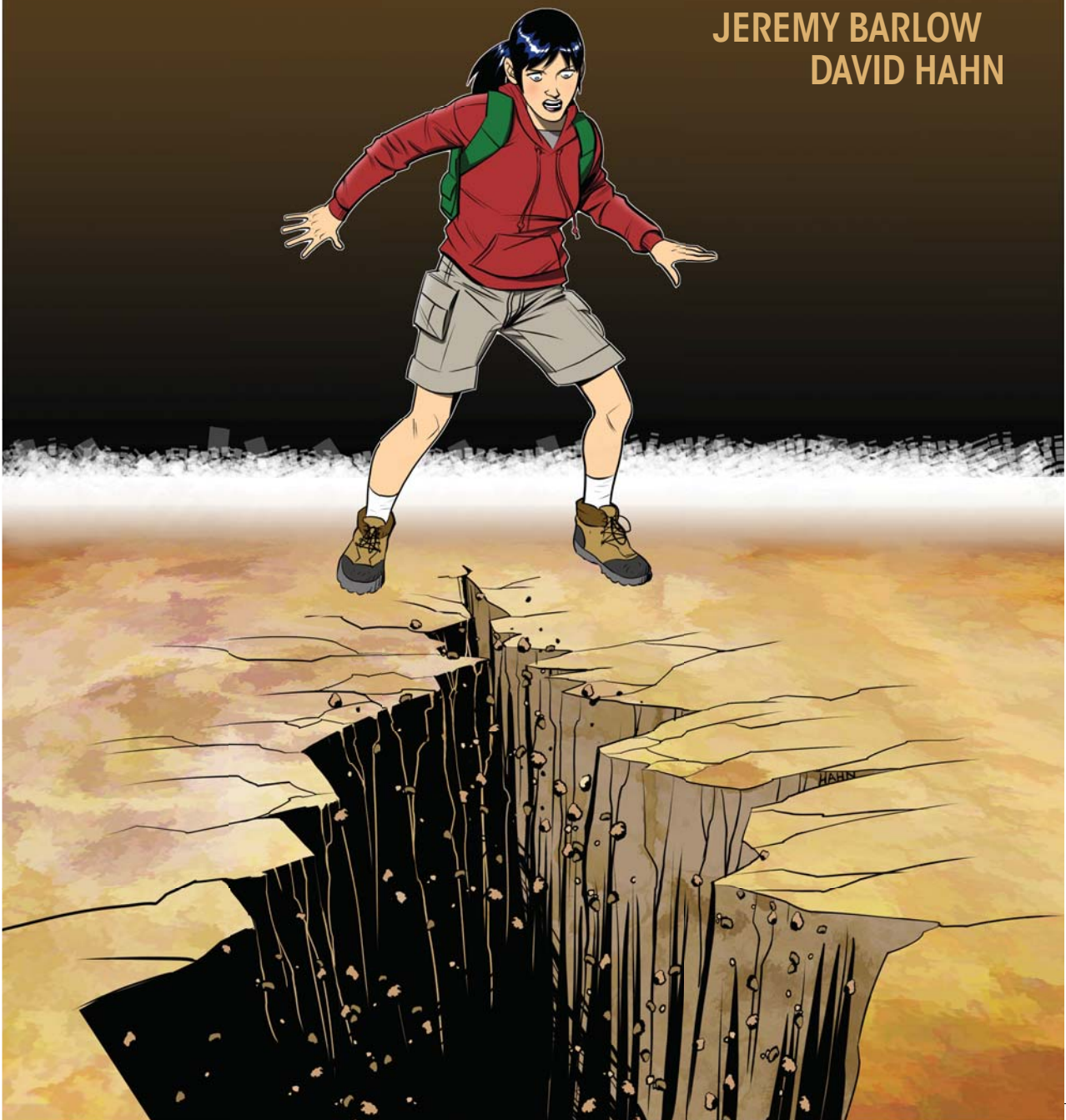




# WITHOUT WARNING!

JEREMY BARLOW  
DAVID HAHN







# WITHOUT WARNING!

Story by **ALTHEA RIZZO**  
Script by **JEREMY BARLOW**  
Art and Cover by **DAVID HAHN**  
Letters by **NATE PIEKOS OF BLAMBOT®**

Designer **KAT LARSON**  
Editor **SHANTEL LAROCQUE**  
Publisher **MIKE RICHARDSON**

Special thanks to Heidi Kandathil, John Schelling, Teron Moore, Meghan Sexton, FEMA,  
and the National Earthquake Hazard Reduction Program.

Support for this publication was provided by FEMA, Department of Homeland Security, under the National Earthquake Hazard Reduction Program (NEHRP) Cooperative Agreements. Points of view or opinions expressed in this document are those of the authors and do not necessarily represent the official position or policies of FEMA or the US Department of Homeland Security.

Without Warning!, August 2014. Published by Dark Horse Comics, Inc., 10956 SE Main Street, Milwaukie, Oregon 97222. Text and illustrations of Without Warning!™ © 2014 Cascadia Region Earthquake Workgroup and Oregon State Office of Emergency Management. Dark Horse Comics® and the Dark Horse logo are trademarks of Dark Horse Comics, Inc., registered in various categories and countries. All rights reserved. No portion of this publication may be reproduced or transmitted for commercial purposes, in any form or by any means, without the express written permission of Dark Horse Comics, Inc. Names, characters, places, and incidents featured in this publication either are the product of the author's imagination or are used fictitiously. Any resemblance to actual persons (living or dead), events, institutions, or locales, without satiric intent, is coincidental. Printed in the United States of America.



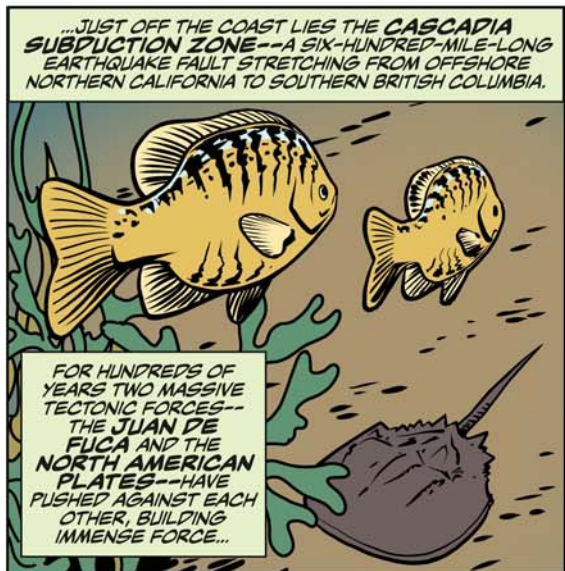


**THE PACIFIC NORTHWEST,**  
HOME TO SOME OF THE MOST  
SPECTACULAR TERRAIN NORTH  
AMERICA HAS TO OFFER.

**SANDY BEACHES PUSH  
UP AGAINST CONIFEROUS  
FORESTS--ANYWHERE  
ELSE THIS WOULD BE  
AN UNLIKELY PAIRING.**

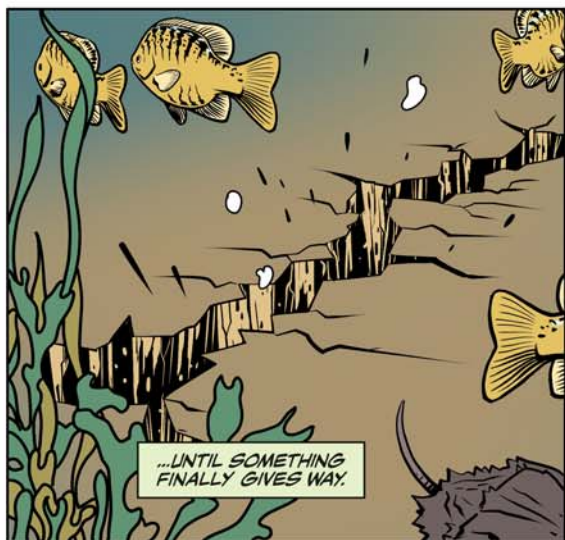


**BUT THAT'S NOT THE  
ONLY STARTLING  
CONTRAST HERE...**



**...JUST OFF THE COAST LIES THE CASCADIA  
SUBDUCTION ZONE--A SIX-HUNDRED-MILE-LONG  
EARTHQUAKE FAULT STRETCHING FROM OFFSHORE  
NORTHERN CALIFORNIA TO SOUTHERN BRITISH COLUMBIA.**

**FOR HUNDREDS OF  
YEARS TWO MASSIVE  
TECTONIC FORCES--  
THE JUAN DE  
FUCA AND THE  
NORTH AMERICAN  
PLATES--HAVE  
PUSHED AGAINST EACH  
OTHER, BUILDING  
IMMENSE FORCE...**



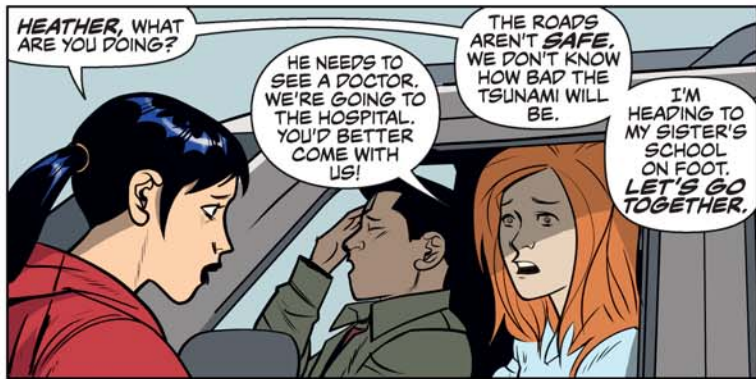
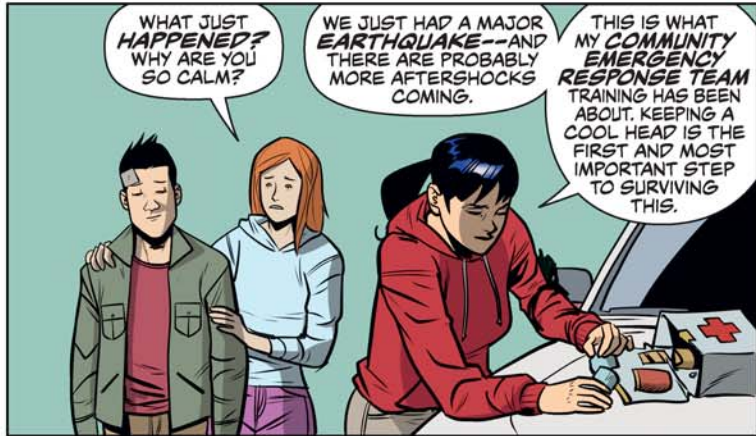
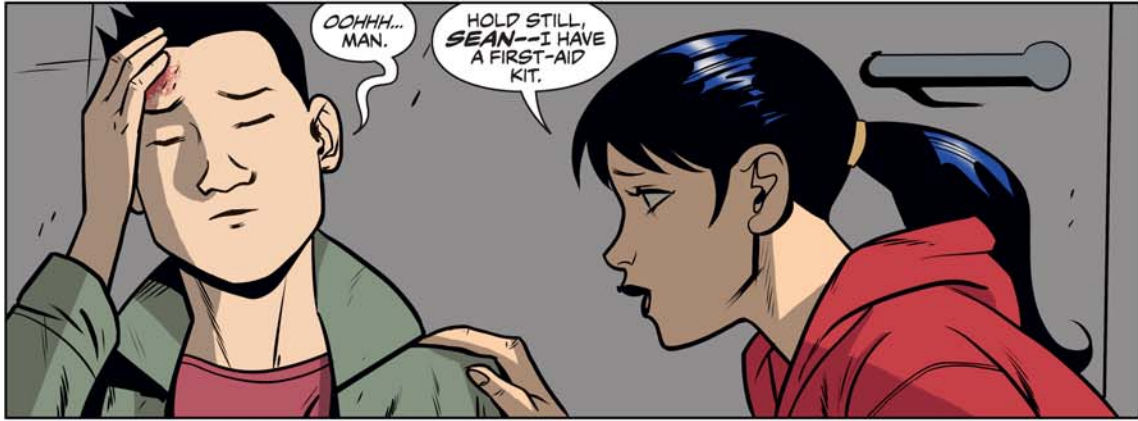
**...UNTIL SOMETHING  
FINALLY GIVES WAY.**



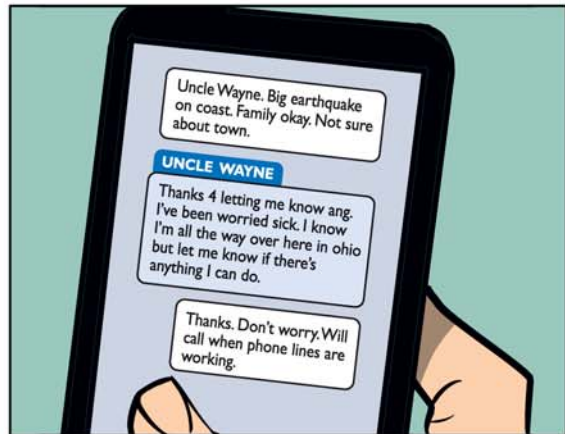
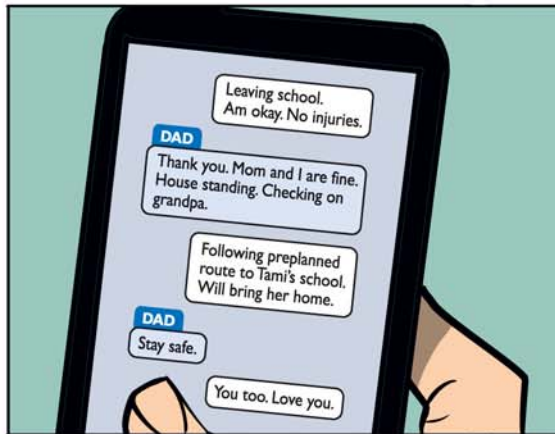








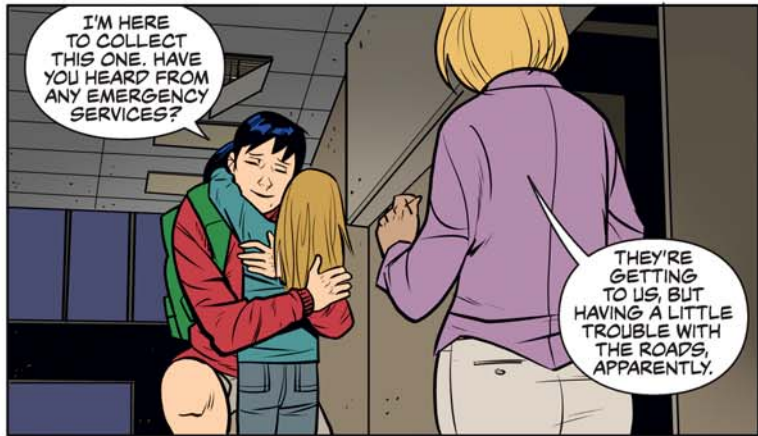




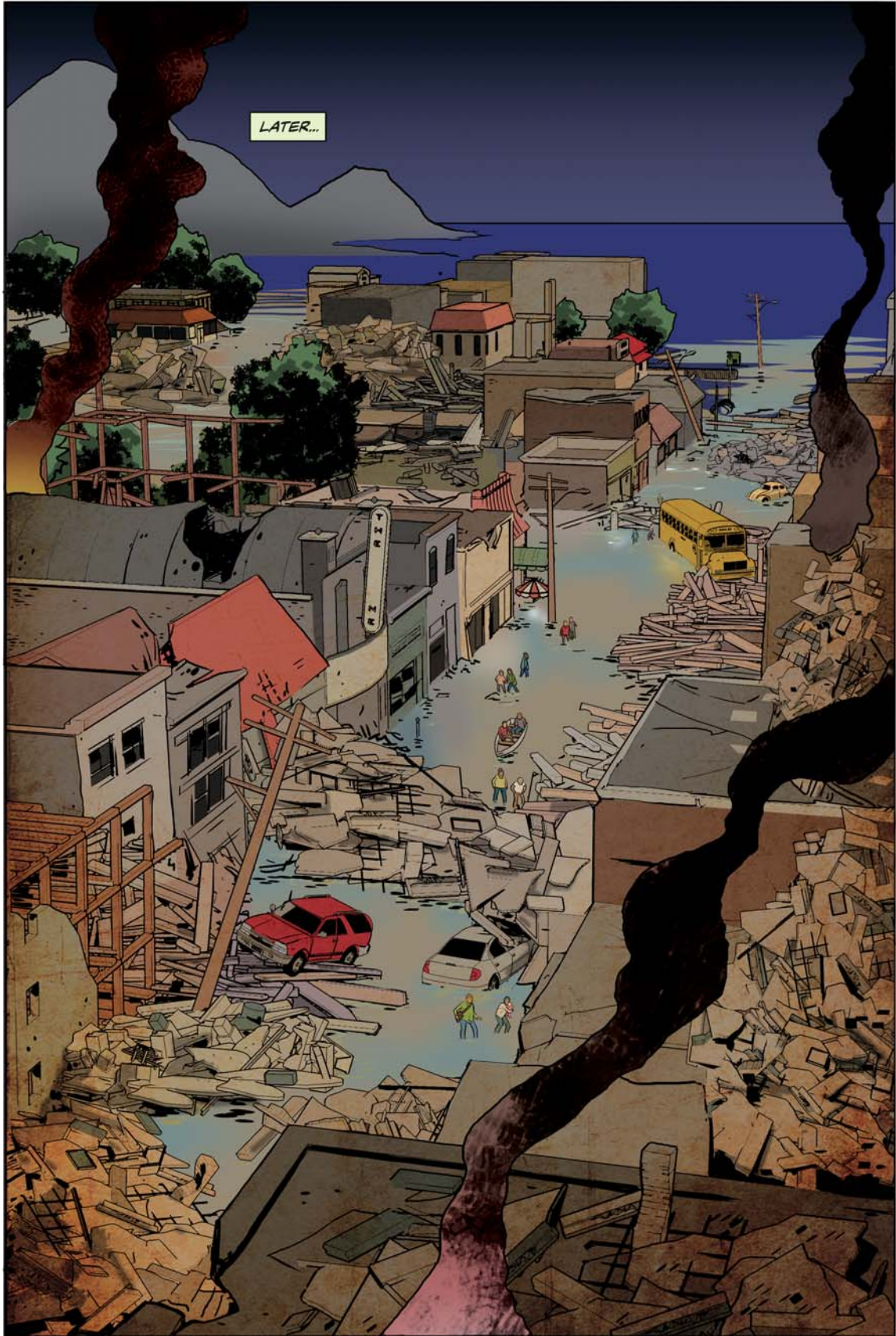














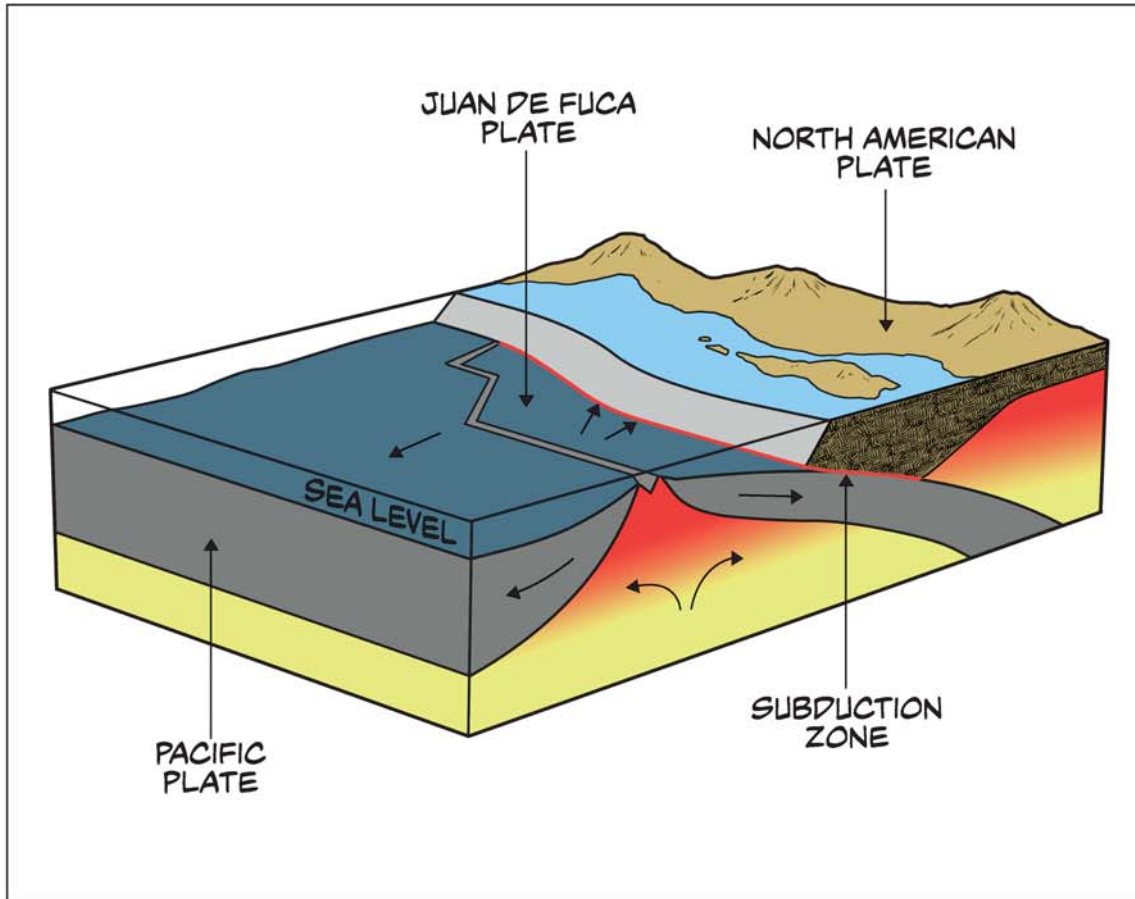






THE END





**EARTHQUAKES** OCCUR WHEN THE MOVEMENT OF EARTH'S TECTONIC PLATES CAUSES ROCK DEEP UNDERGROUND TO SUDDENLY BREAK ALONG A FAULT. THIS SUDDEN RELEASE OF TREMENDOUS ENERGY CREATES SEISMIC WAVES THAT SHAKE THE GROUND.

LARGE EARTHQUAKES OCCUR WITH ROCK MOVEMENT OF ABOUT A METER OR TWO. SMALL EARTHQUAKES HAPPEN WITH MOVEMENTS OF JUST MILLIMETERS.

**THE PACIFIC NORTHWEST** LIES AT A CONVERGENT CONTINENTAL BOUNDARY WHERE TWO TECTONIC PLATES--THE JUAN DE FUCA PLATE AND THE NORTH AMERICAN PLATE--ARE COLLIDING.

THE LAST "MEGAQUAKE"--AN EARTHQUAKE OF GREATER THAN 9.0 MAGNITUDE--IS BELIEVED TO HAVE HAPPENED AROUND 1700. SOME SEISMOLOGISTS PREDICT THE **CASCADIA SUBDUCTION ZONE** IS DUE FOR ANOTHER BIG EARTHQUAKE SOMETIME THIS CENTURY!





A **TSUNAMI** IS A SERIES OF OCEAN WAVES CAUSED BY A SUDDEN, LARGE DISPLACEMENT OF WATER. MOST OFTEN CAUSED BY EARTHQUAKES, TSUNAMIS CAN ALSO BE TRIGGERED BY LANDSLIDES, VOLCANIC ERUPTIONS, AND COMET OR METEORITE IMPACTS IN THE OCEAN.

TSUNAMIS CAN MOVE LIKE A FAST-RISING FLOOD TIDE, A STORM SURGE, OR AN ADVANCING WALL OF WATER. THEY STRIKE WITH DEVASTATING FORCE, AND TRAVEL FASTER THAN YOU CAN RUN!

**THE FIRST WAVE WILL NOT BE THE LARGEST OR THE MOST DANGEROUS.** ADDITIONAL SURGES MAY ARRIVE TEN HOURS OR MORE AFTER THE INITIAL WAVE.

---

YOU CAN FIND THIS AND MORE GEOLOGICAL INFORMATION AT THE FOLLOWING WEBSITES:

[OregonGeology.org/sub/default.htm](http://OregonGeology.org/sub/default.htm)

[OregonTsunami.org](http://OregonTsunami.org)

[FEMA.gov/media-library-data/20130726-1446-20490-6333/fema-530.pdf](http://FEMA.gov/media-library-data/20130726-1446-20490-6333/fema-530.pdf)

[Crew.org](http://Crew.org)

[Tsunami.gov](http://Tsunami.gov)





# PREPAREDNESS INFORMATION

## BEFORE THE EARTHQUAKE

- Visit [Ready.gov/make-a-plan](http://Ready.gov/make-a-plan).
- Make a plan, and make sure everyone in your family knows it.
- Practice it together.
- Buy or assemble an emergency kit.
- Register and participate in the Great ShakeOut earthquake drill at [Shakeout.org](http://Shakeout.org).

## DURING THE EARTHQUAKE

- Drop, cover your head, and hold on.

## AFTER THE EARTHQUAKE

- If you are near water, move uphill and inland on foot as fast as possible — a tsunami may be on the way.
- Always follow your plan.
- Communicate with others around you.
- Have an out-of-state emergency contact saved and practice calling them.
- You may not be able to call across town, but out-of-state calls should go through.
- Texts often go through when calls don't, so text first, talk second.

## EMERGENCY GO-KIT PASSPORT

An Emergency GO-KIT PASSPORT is a printed and detailed emergency plan that each family member should carry. It can be found here:

[Oregon.gov/OMD/OEM/plans\\_train/earthquake/go-kit\\_passport.pdf](http://Oregon.gov/OMD/OEM/plans_train/earthquake/go-kit_passport.pdf)

You can do so many things to help keep your family and neighbors safe during and after an earthquake.

- Start a Teen CERT group at your school.
- Take a first-aid class.
- Organize your neighborhood.
- Ask your parents and teachers what their plans are and then practice with them.





# RECOMMENDED SUPPLIES TO INCLUDE IN A BASIC EMERGENCY KIT:

- Water (one gallon of water per person, per day, for drinking and sanitation)
- Food (at least a three-day supply of nonperishable food)
- Can opener (if kit contains canned food)
- Prescribed medications
- Battery-powered radio and NOAA Weather Radio with tone alert, and extra batteries for both
- Flashlight and extra batteries
- First-aid kit
- Whistle to signal for help
- Infant formula and diapers (if you have an infant)
- Moist towelettes, garbage bags, and plastic ties for personal sanitation
- Dust mask or cotton T-shirt, to help filter the air
- Plastic sheeting and duct tape to create shelter
- Wrench or pliers to turn off utilities
- Important family documents, such as insurance policies, identification, and bank account records, in a waterproof portable container