



## 2009-2010 NTHMP Oregon TsunamiReady, TsunamiPrepared Outreach and Education Program

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OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
AND OREGON EMERGENCY MANAGEMENT

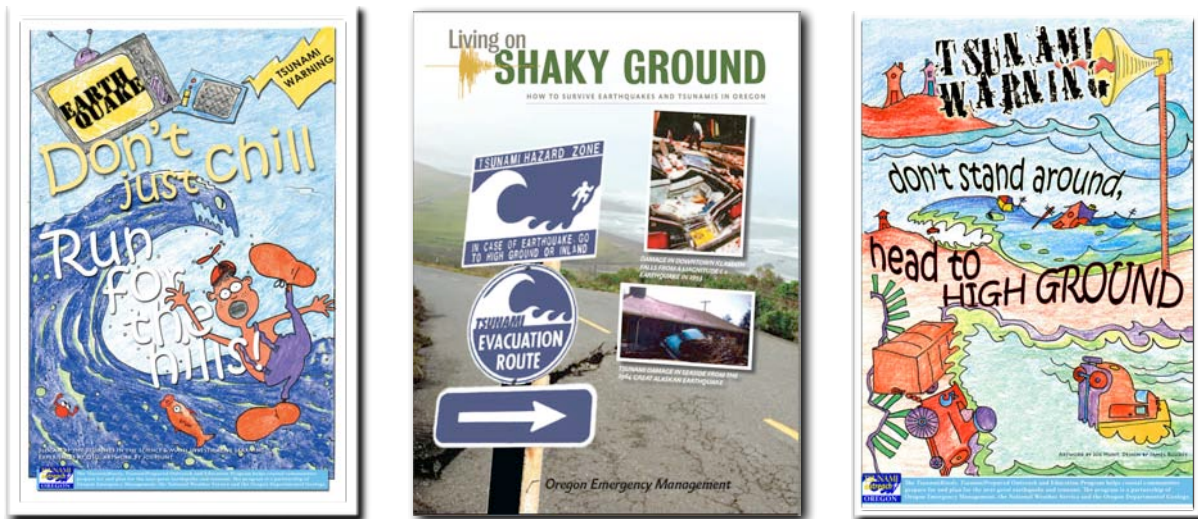
JANUARY, 2011

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## **TSUNAMI OUTREACH OREGON**

The first year of the Oregon TsunamiReady, TsunamiPrepared (TR/TP) Outreach and Education Program funded by the National Tsunami Hazard Mitigation Program (NTHMP) targeted four diverse “Community Clusters” that included 3 distinct regions of the Oregon coast during 2009-2010. Working under the direction of Oregon project lead Rob Witter and mapping partner George Priest, the TR/TP Outreach and Education Program, dubbed *Tsunami Outreach Oregon*, is led by the Department of Geology and Mineral Industries’ (DOGAMI) Earth Sciences Information Officer James Roddey and Oregon Emergency Preparedness Outreach Consultant Deb Sterling, in partnership with Althea Rizzo of Oregon Emergency Management, and National Weather Service Warning Coordinator Meteorologists Tyree Wilde and Ryan Sandler. Additional state-wide partners/contributors that have participated in the program during the past year include Oregon Sea Grant’s Pat Corcoran, Oregon State Park’s Robert Smith, Lincoln County School District’s Sue Graves and the Oregon Red Cross.

*Tsunami Outreach Oregon (TOO)* was imagined as a locally driven education and outreach program, giving each community the ability to design how best to achieve agreed upon objectives. Based on successful components of the 2005 Seaside tsunami outreach project, priorities for each community included active support of the *Tsunami Outreach Oregon* program by county and local governments, targeted neighborhood campaigns in evacuation zones; the distribution of tsunami evacuation and preparedness information on a community-wide basis; the engagement of local schools in the participating communities, and; conducting a community-wide tsunami evacuation drill. The identification and/ or recruitment of local volunteers and community groups to foster self-sustaining, volunteer-based outreach teams was and is essential and an integral part of the program. An additional long-term goal of the program is to increase by 12 the number of TsunamiReady communities on the coast during the next 4 years.



## **COMMUNITY INVOLVEMENT AND COMMITMENT**

All Oregon coastal communities were surveyed, via written letter and email to City Managers and Mayors, in early 2009 to ascertain their interest in participating in TOO. With an universal and almost unanimous, positive response from respondents, it was decided to stretch the program’s efforts to include more communities that originally anticipated in the first year, and to continue to reach beyond town borders to help any interested community with resources as they were available. Beginning in the fall of 2009, 4 clusters of communities were identified - On the north

coast, the small connected towns of Manzanita, Nehalem and Wheeler (total population, 1,374) were chosen as one participating cluster and the larger, adjacent, very exposed city of Rockaway Beach (pop. 1,360) was tapped as a separate participant. On the central Oregon coast, the adjacent cities of Yachats (pop. 765) and Waldport (pop. 2,130), and the unincorporated community of Seal Rock made up a 22 mile long cluster of vulnerable coastline. The city of Bandon (pop. 3,235) on the southern Oregon coast was chosen as the largest participating community in an area of the Oregon coast that has been under-served by outreach efforts in the past.

Meetings with County Emergency Managers, and presentations to County Commissioners and City Councils in the chosen communities, along with initial local stakeholder discussions established a mutual understanding of the program’s goals, objectives and limitations. Cluster communities were tasked with identifying Community Organizer (CO) candidates that would be chosen to lead outreach efforts and be compensated for leading local outreach efforts with NTHMP funds. Creating a steering committee or support group to assist the local CO and tailoring outreach and education activities to best support or jump-start local efforts was also an initial requirement.

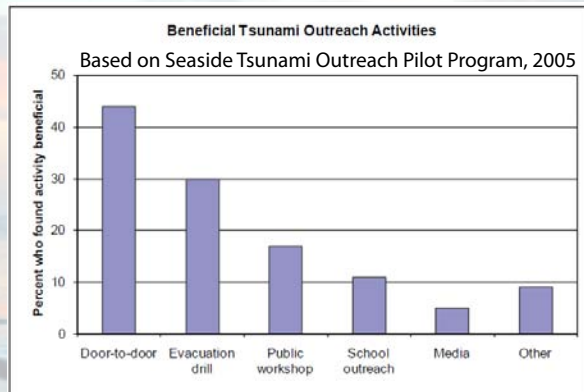


Each community or cluster approached these inaugural objectives in a different manner, and program flexibility built into TOO was essential in working with coastal communities, who, while grateful for the monetary and material resources, would have been reluctant to participate in a state-controlled program. Rockaway Beach hired an Emergency Manager to work 8 hours a week and TOO then supplemented retired fire department captain and CERT trainer Jerry Rilette’s salary so he could work as the CO an additional 12 hours a week. Manzanita, Nehalem and Wheeler had an organization in place and were already funding the Emergency Volunteer Corps of Nehalem Bay, in response to the aftermath of a massive winter storm in 2007. The director of EVC became the CO in these communities, taking no salary, which allowed TOO to fund this group’s programs and goals. All the north coast communities also agreed to work together, and share resources and COs along this 15 mile stretch of coastline.

In Bandon, the city manager identified senior city planner Charli Davis, who had been the town’s emergency manager in the past, to become the CO. Davis split her responsibilities, working on tsunami outreach as well as maintaining planning duties. A consensus was reached in Waldport, Yachats and Seal Rock by the fire chiefs, city managers and mayors to have DOGAMI hire Jim Kusz, a safety coordinator and public information officer from a nearby fire district to work as their CO.

**Priorities for *TsunamiReady, TsunamiPrepared***

1. **Door-to-door education**
2. **Tsunami evacuation drill**
3. **Outreach to K-12 schools**
4. **Media events**
5. **Workshops targeting key audiences**  
*lodging and business industry, elected officials, community managers*



After an initial training schedule, the COs in Rockaway Beach, Waldport, Yachats and Seal Rock (WYSR), and Bandon conducted a pre-program survey of residents in April and May, 2010. Survey results from all participating communities (Manzanita, Nehalem, Wheeler did not conduct surveys) showed an already high knowledge of tsunamis and tsunami preparedness. Each community cluster, led by their CO, worked with James and Deb to determine material resource needs based on an approximately \$10,000 budget. Budget items for all communities included print and display materials, equipment support for CERT and Map Your Neighborhood training, and some CO travel expenses. A great deal of new publications, posters, give-away items, display materials and videos were created and reproduced in house by DOGAMI personnel, including 10,000 Map Your Neighborhood programs and 6,000 new Tsunami Information Brochures.

We have begun work with Emergency Volunteer Corps member Stewart Martin to develop a web based emergency preparedness template for coastal communities, so they can share local preparedness information, alerts and blogs with their community, and also tie into the DOGAMI based Oregon Tsunami Clearinghouse (<http://www.OregonTsunami.org>) and OregonTsunami YouTube Channel.

The Oregon Tsunami Clearinghouse is a web based resource launched in the fall of 2010. It has sections devoted to Coastal Residents, Visitors, Kids & Teachers, Community Planners and Scientists. The website contains an interactive Evacuation Zone Map Viewer, Evacuation Brochures, Regulatory Maps, Resource Library, Calendar, The latest Tsunami News from around the world.

Year one of TOO was active and in place with COs on board formally from March to November, 2010.

### ***MANZANITA, NEHALEM, WHEELER (NORTH OREGON COAST, TsunamiReady communities)***

The Emergency Volunteer Corps of Nehalem Bay (EVC) is led by the Linda Kozlowski, who oversaw TOO efforts as CO in this cluster of 3 small towns. Linda, with the help of a talented and deeply committed core of like-minded volunteers, has forged a remarkable private-public coalition that has to be one of the most visionary and organized local emergency preparedness groups in the United States.



#### **Summary Report by Linda Kozlowski, CO and Director of the Emergency Volunteer Corps of Nehalem Bay:**

Our goal is to actively promote preparedness and personal responsibility in our communities. Our objective is to provide the necessary information and tools to our entire region so that individuals will be able to take care of themselves during a disaster. Because of limited government resources and the fact that we have been isolated by natural disasters in the past and will be in the future, having an individual and/or small business plan is critical.

The EVC was an unique member of the Tsunami Outreach team. We have been in existence since 2007 and have a very active volunteer base and defined organizational structure that is financially supported by our 3 communities.

Our goal in participating in TOO was to strengthen EVC, but also to provide leadership, guidance and knowledge of successful programs to other coastal communities interested in starting similar organizations. As James and Deb have indicated, we will continue to be an ongoing support team for the whole TOO program.

TOO resources have allowed us to build a more sustainable infrastructure, permitting EVC to develop a broader, stronger and even more effective outreach program. Our access to the incredible knowledge of DOGAMI/OEM, James Roddey, Althea Rizzo and Deb Sterling played a major role in this past year’s successes.

**Steering Committee**

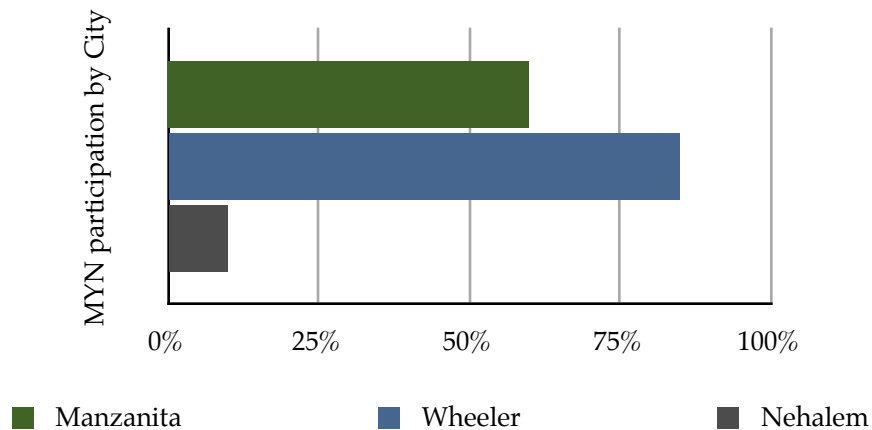
Our Steering Committee has as Ex Officio members the mayors of the 3 communities we serve. Our Committee includes 13 additional active community members bringing an amazing set of skills to the table, including Sue Stafford Remy, Vice President/Executive Committee, Leila Salmon, Vice President/Executive Committee (President, Manzanita City Council), Eric Lindahl, Board Secretary (CERT Operations leader), Jack E. Allen, Treasurer (MYN Regional Captain) Paula Peek, Executive Committee (RN, CERT and Map Your Neighborhood trainer) , John Olson, Executive Committee, Kathleen C. Covert (long term food storage), Walter L. Covert (retired firefighter), William R. Harshbarger (CERT Incident Command), Stewart Martin (Communications, Technology, Website), Bill Peek (technology guru), Dr. Margaret Vandembark Steele (Coordinator, Nehalem Bay Medical Reserve Corps), and David Dillon, Public Information Officer.

**Networking**

Because of our diverse and active volunteer base, we are involve in every aspect of community life, helping to drive the decision making process in our region toward a broader understanding of community readiness. We have worked with local schools, local governments on a region-wide basis, fire departments, public safety departments, community groups including but not limited to Kiwanis, Rotary, Woman Groups, Garden Clubs, churches and neighborhood organizations. Through our membership structure, we are able to provide mentoring and training in a wide variety of preparedness strategies.

**Neighborhood Outreach**

We are a strong proponent of the Map Your Neighborhood (MYN) program, which focuses on neighbors helping neighbors. In a region of 1,500 full time residents, we have 105 MYN Captains/Co Captains and 65 neighborhoods mapped. In our 3 communities we have 60% of Manzanita neighborhoods participating, 85% of Wheeler and, 10% in Nehalem. Well over 1,000 people have seen, participated in or led MYN programs. In order to sustain this program we have developed a zone organization that supports neighborhoods both in ongoing education and in emergency response. MYN is the foundation of our regional response plan.



## **CERT**

The TOO program provided training materials and response supplies to support our CERT program.

We have trained 42 CERT members in the past year, an increase of 840%. We hold bimonthly drills and are actively involved in partnering with our Public Safety officials in response to all kinds of emergency.

## **Outreach to K-12 Schools**

Resources and training from TOO facilitators have give EVC the needed resources to work with the Neah-Kah-Nie School District to plan and begin implementation of a comprehensive emergency preparedness program for all the schools in our region. All schools in the district are within or near the tsunami inundation zone. Meetings with school district staff and parent/ teacher workshops initiated the program. Presentations to all school assemblies, classroom discussions, and class projects followed, as well as site visits by geologist George Priest and local emergency managers to plan evacuation routes, and assembly, shelter and cache locations. We are now working to develop ongoing programs and curriculum additions and have begun a *Teen CERT* program in the high school.

## **Media Events**

We have had over 20 newspaper and magazine articles written about EVC and the TOO program this past year. Our Public Information Officer has at least one article a month on emergency preparedness or education in our local newspapers. We have been on regional radio, have placed informational posters and tabletop displays all over town in support of the program. Presentations by TOO personnel and other outreach partners in support of the EVC drew standing room only audiences throughout the past year and one such event was featured nationally on CNN. EVC plans at least three community-wide meetings a year focused on readiness.

Our web site (<http://www.emergency.nehalembay.org>) is actively managed by a EVC volunteer and contains a wealth of local preparedness information, live blog and links to sites like the West Coast and Alaska Tsunami Warning Center. It was instrumental in notifying residents and businesses of the tsunami alert following the Chilean earthquake in February, 2010.

## **Targeted Workshops**

Workshop and training classes during the past year have included Oregon Red Cross first aid and CPR training , 72 hour kit preparation, how to maintain a potable water supply during an emergency event, creating long term food caches, shelter training, using communication tools in an emergency (FRS radio and Ham radio training). Our first Hispanic Outreach and Education workshop was attended by over 50 Hispanic families and presented a program in Spanish to this under-served group focused on first aid, tsunami education and preparedness.



The TOO sponsored Hispanic Outreach and Education workshop was conducted by EVC volunteers.

## **Tsunami Evacuation Drill**

We conducted a community wide tsunami evacuation drill in 2008 and have participated in the production of a video presentation on tsunami drills. We do table top exercises at least 2 times a year and plan a community-wide tsunami evacuation drill in 2011.

## Highlights

This is an incredible program. It has allowed EVC to create and maintain sustainable outreach and education programs that benefit the entire region while providing material support to strengthen existing programs. We have the three local City Councils now focused on preparation. Our business community is an active partner in EVC. Local schools have become active participants in emergency preparedness focusing around tsunamis, and the overall community is more knowledgeable about tsunamis than ever before. The MYN program has been an overwhelming success and our CERT program has engaged a whole new group of people.

## Challenges

Our biggest challenge continues to be reaching a younger audience, especially the youth and getting them actively involved in our ongoing efforts. We made headway through the school's emergency preparedness program this year but ongoing efforts are needed to continue the momentum we've created.

## Needs/ Wants

The EVC wants to continue to be involved with TOO. Our organizational structure and active volunteer base are serving as a model for other TOO programs and our members continue to share their knowledge with COs and communities. Bringing people together, sharing ideas and seeing what works in other communities is one of the greatest benefits of this program and needs to continue.

### ***ROCKAWAY BEACH (NORTH OREGON COAST, TsunamiReady community)***

Amidst a contentious City Council recall election and change-over in City Manager in this small town, CO Jerry Rilette has helped bring the community back together through the TOO outreach and education program. Jerry is a retired firefighter with a real passion for emergency preparedness and despite being a newcomer to the community, he has created a strong, sustainable, energized volunteer base to continue readiness efforts.



### **Summary report by Jerry Rilette, CO and Emergency Manager, City of Rockaway Beach**

Thank you to all that helped to make this grant possible. Rockaway Beach citizens are now much better prepared to deal with the chaos that a large earthquake will cause. This grant process will be the impetus for many changes in how we deal with, and prepare for a large earthquake. Lives will be saved because of this program.

### **Pre-Outreach Survey**

Rockaway Beach (RB) started our pre-outreach survey in April 2010. This survey was conducted by our Steering Committee, along with 3 other community volunteers. Surveys were taken in random neighborhoods, along the beach front, church camps, and in some eating establishments. We also utilized a phone list of all Rockaway Beach water users. Out of 150 surveys completed, many had multiple answers or were partially answered; those were not

included in the sample process. We ended up summarizing 103 questionnaires. The results are summarized at the end of my discussion and show a high level of knowledge, even in the pre-survey.

### Steering Committee

Our Steering Committee was made up of 9 members and represents a broad cross-section of our community: Cliff Jensen, City Manager, Rockaway Beach, Terry Walhood, Mayor, Rockaway Beach, Lynda Holm, American Red Cross First Responder and business owner, Lisa Phipps, Tillamook Estuaries Partnership and DOGAMI Board member, Bob Olson, Nedonna Beach/White Dove Neighborhood Tsunami Committee, Sue Wilson, City Councilor, Rockaway Beach and Public Safety Committee, Dave Hampton, Friends Camp Associate Director, Neil Patel, Tradewinds Motel Owner, Jerry Rilette, Emergency Manager, Rockaway Beach.

Our Steering Committee met formally 8 times during this process. Deb Sterling attended our first meeting. She gave direction, guidance and advice. Her input was critical to the success of this committee and the entire grant process. We also had numerous, more informal meetings with some of the members throughout the entire grant period. The make up of this committee greatly added to this program's success. We had elected officials, City officials, neighborhood leaders, church camp leaders, hospitality business owners, and small business owners. I did not realize that one of the members was on the board for DOGAMI and another member was on the board for American Red Cross until several months into this process.

### Networking

Rockaway Beach is very fortunate to have Nehalem Bay Emergency Corp (EVC) as a neighbor. Specifically, Linda Kozlowski was instrumental in any success that we have made. Being new to this community I was unaware of what had previously been done, or who had done what. Mrs. Kozlowski gave me a historical perspective, along with contact information for dozens of people that would end up assisting in this process. Whenever I needed information she always either had the answer, or could direct me to someone that could. Many thanks to her! Weekly tele-conference meeting proved invaluable during this process. Lots of information was learned in a very short time.



EVC Director Linda Kozlowski addressing Year 2 COs and TOO team member at a training workshop in September, 2010.

Obviously, working with the rest of the year one TOO Community Organizers helped with our success. Captain Jim Kusz (WYSR) provided great examples of what has worked and, as importantly, what didn't work. Captain Kusz often shared media material along with Tsunami drill evacuation signage. Charli Davis (Bandon) provided lots of insight in working with a municipality similar to Rockaway Beach. Her knowledge of what significant community groups helped in Bandon helped identify additional resources in RB. Staff at DOGAMI and OEM also played a great role in the success of this program. Any question asked was quickly answered and often the suggestions offered led to great success.

Specifically, George Priest and James Roddey were always there, willing to help. Althea Rizzo from OEM provided education about her office and what we could expect from the state. Her knowledge of the Tsunami alert system provided me with answers to one of the most commonly asked questions, "What is the warning sound for a Tsunami?"



Working with the Tillamook County Fire Defense Board (FDB), along with Gordon McCraw, Tillamook County Emergency Manager, also provided lots of information. These folks will be very instrumental in the continuation of our outreach education efforts, and funding opportunities will come through these people. Currently, our county EM is working on grants for more CERT classes. Also, the FDB Chief is allowed us to use reverse 911 calling for our Tsunami Evacuation Drill. This was the first time that this system had been utilized in this capacity.

Networking with the members of the Rockaway Beach Lions Club also provided information about the needs of this community. Many of their members had concerns about the elderly and residents with limited mobility. This discussion ended up being a great segue for the MAP YOUR NEIGHBORHOOD (MYN) program.

### **Neighborhood Outreach**

This volunteer driven activity proved very important in numerous ways. First, and most successful, was the door knocking campaign, which occurred within a week prior to our tsunami evacuation drill. With the goal of passing out information packets to all residents and businesses in the *tsunami inundation zone*, our CERT and Steering Committee members, along with the nearby Garibaldi Fire Department, disseminated informational packets to over 700 households and businesses (we only passed out material to residents and businesses that answered the door) in the communities of Rockaway Beach, Nedonna Beach/White Dove, and Twin Rocks.

Small group or even one on one, talks occurred daily during the entire grant process. I would stop and talk to businesses, church groups, or tourist walking down the street. Wearing my "Tsunami Outreach, Rockaway Beach" identification card opened the door. This was very well received.

In my larger presentations I had audiences of 45, 60, 40, and 15.

### **CERT**

Resources from the TOO program helped Rockaway Beach launch and complete its very first CERT class. 22 people completed this 8 week program. Each week we took extra time to talk about tsunami's, with the goal of having the best tsunami educated CERT folks in the state. Additional CERT class are scheduled, including a class beginning at Neah\_Kah-Nie High School.

The population dynamics of this community make CERT trained volunteers critical in assisting elderly residents and those with limited mobility. These vulnerable residents will need help with evacuation and support after a disaster and the CERT members are trained on how to perform effectively in these situations. Our CERT workers will be integrated into the Incident Command Staff of our region. We will continue to have "follow on" classes that will include Tsunami Preparedness, along with any other classes that enhance CERT training for members.

### **Map Your Neighborhood**

The Map Your Neighborhood Program (MYN) was new to Rockaway Beach. Because of 2 local MYN champions, we now have 4 neighborhood captains, with 4 more neighborhoods participating in January, 2011. Our goal is a team of 40 captains that will integrate and work with key CERT personnel. The continuation and growth of MYN is one of the highest priorities for the City of Rockaway Beach.

### **Outreach to K-12**

Participation in the TOO program has opened the door for increased communication between the community and Neah-Kah-Nie School District. Linda Kozlowski and I have met several times with school district staff on plans for

numerous outreach events in the future. School wide tsunami evacuation drills, workshops, and a CERT class, taught at the high school, are in the planning process. Currently DOGAMI staff is answering a set of questions submitted by students of the Middle and High Schools.

James Roddey and Deb Sterling helped facilitate tsunami education and emergency preparedness discussions with the school administration staff and parents, and a presentation to the middle and high school students helped stimulate follow-up discussions in the classroom. A "tsunami champion" has also emerged at the high school. Counselor Peggy Campbell will continue to be a strong advocate for tsunami outreach while helping staff, students and parents coordinate emergency preparedness activities with the greater community.

### Media Events

Local newspaper and radio stations have generously assisted in promoting TOO events including the tsunami evacuation drill, and the local newspaper reporter will be attending an upcoming MYN program and writing an article about that program. Tillamook County Emergency Manager Gordon McCraw has also, as the local radio "weather guru", helped promote the Tsunami Outreach program on a regional level.

### Targeted Workshops

If one event changed the perception of tsunami awareness in this community it was the presentation by Mr. Roddey in the Rockaway Beach Civic Center, September 16, 2010. Following a presentation to over 150 people in nearby Tillamook the week before, over 200 residents attended this presentation along with representatives from Oregon Red Cross, EVC CERT, Tillamook County Emergency Management, and OEM. This event really got this community thinking about Tsunami Preparedness. People became excited and engaged about becoming a prepared community. A past mayor stated that this was the largest and most well attended event that this town has ever had. She also stated that this was probably one-third of the winter adult population.

### Tsunami Evacuation Drill

On October 21<sup>st</sup> Rockaway Beach held our Tsunami Evacuation Drill. Four hundred and twelve (412) residents, visitors, and business owners checked into one of our assembly areas and many more participated but did not check in with our Assembly Area Managers. CERT volunteers, along with fire and police volunteers staffed the assembly areas and provided assistance in traffic control. Evacuee safety was paramount! Our assembly sites were at the Friends Camp, Washington Street, N 3<sup>rd</sup>, NE 12<sup>th</sup>, Beach Road, and Scenic View. At each of these sites informational flyers, brochures and water were available.

Much of the success of this drill was due to the timing of events prior to the drill (and it was a non raining day). All of the previous outreach events, along with the door knocking campaign just a few days prior to the evacuation drill, helped to remind our residents and visitors of the drill date. The use of Oregon Department of Transportation (ODOT) large blinking reader boards announcing the upcoming drill also played a significant role in alerting our citizens. The ODOT reader boards were placed one week prior to the drill date with the message "Tsunami Evacuation Drill Oct 21<sup>st</sup>, 3PM". The day of the drill the message was changed to "Tsunami Evacuation Drill Today. Caution Pedestrians on Highway".

**I'M NOT READY FOR THIS! ARE YOU?**

**Neah-Kah-Nie Schools need to get prepared and we need your help!**

It has been just over 310 years since a magnitude 9.0 earthquake shook our coast. That's bigger than the recent Haitian and Chilean earthquakes combined.

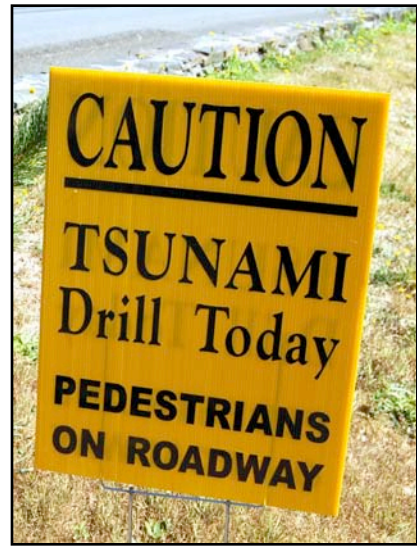
There's a strong probability that the next "Big One" will strike within our or our children's lifetime. If this makes you nervous, good, because it's time to get real and start putting a plan in place.

Join your Rockaway Beach neighbors, school administrators, local business leaders and state and local emergency preparedness experts as we take an important step toward being better prepared for any type of natural disaster.

**Tuesday, May 11th, 4:00 - 6:00 PM**  
**NEAH-KAH-NIE HIGH SCHOOL LIBRARY**

Presented by the Neah-Kah-Nie School District, The Emergency Volunteer Corps of Nehalem Bay, Tillamook County Emergency Management, and the Oregon Department of Geology.

Because of the county's "linked" Tsunami siren system we were not able to use all our sirens for this drill. We instead utilized the one "fire" siren and staged fire apparatus at approximately 15 blocks away from their designated assembly areas. At 3PM the fire siren sounded and at that time all fire apparatus sounded their sirens and slowly drove to the assembly areas. Some areas of Rockaway Beach did not hear any sirens but many residents proceeded to their assembly area, following directions passed out by the "door knockers", just a few days prior to this evacuation drill. Much thanks to our Fire and Police Volunteers for their help in this drill.



### **Post-Outreach Survey**

Post survey was started November 15<sup>th</sup>, 2010. This survey was conducted by our Steering Committee along with Rockaway Beach CERT members.

### **Highlights**

- Mr. Roddey's presentation at the High School (over 500 attendees)
- Mr. Roddey's presentation at Rockaway Beach Civic Center (over 200 attendees)
- Approximately 500 people participated in our Evacuation Drill
- Completion of our first CERT program (with another class planned)
- 4 MYN captains (with many more neighborhoods receiving future training)
- Rockaway Beach now has a great working relationship with Tillamook County and nearby communities.

What worked? The plan, the sequence of events outlined in the plan, the support from Deb Sterling, working with other Community Organizers, staff at Rockaway Beach City Hall, and the support from DOGAMI, specifically James Roddey, all contributed to the success of the TOO program in our community. Each of the above groups or individuals helped to create a change in the preparedness culture of Rockaway Beach. Statistically, it is easy to record an educational awareness change. What is hard to show, at least statically, is a behavioral change. Without doubt, a behavioral change was made in Rockaway Beach. I have been involved in Emergency Services for over 30 years and have never seen, or heard of, such a rapid behavioral change in a population. Daily, our citizens stop by asking questions about how to be better prepared. What they can do to help themselves, and their neighbor? What additional training is available? How can they get this, or that? This grant has created excitement for Disaster Preparedness, specifically Tsunami Preparedness.

### **Tsunami Champions**

- FEMA, OEM, DOGAMI, and NWS for Tsunami Prepared/Tsunami Ready program
- Dr. Priest, for helping to explain the problem and providing me with the answers to our citizen's questions. He often shared some of his vast knowledge of Tsunami's and the affect they will have on Rockaway Beach.
- James Roddey, for reasons listed above, and also for his friendship. He is the face of Tsunami Awareness, Education, and Preparedness. Please clone him.
- Deb Sterling, for all of her expertise on what works, and what doesn't work in a community like Rockaway Beach. Her efforts to coordinate the Community Organizers helped to reduce some confusion, anxiety, and chaos. She played a major role in establishing the goals of our Steering Committee. Logistically, she eliminated many trips for supplies and documents, thus allowing more time for more needed projects.

- Linda Kozlowski for all the work she does for EVC and all of us in this state. Her efforts and knowledge of emergency preparedness greatly added to the success of this program.
- Jack Root, Emergency Service Coordinator for Rockaway Beach. Mr. Root has volunteered his time for many years in Rockaway Beach. He is an expert in various forms of electronic communication and is the person responsible for maintaining, testing, and upgrading our sirens. His past actions have helped to make Rockaway Beach a Tsunami Ready community. He has extensive knowledge of NIMS and ICS.
- Leo Muckerheide, Nedonna Beach Tsunami Committee. Mr. Muckerheide was extremely helpful in several ways. Most important was sharing his knowledge of what has been done in the Nedonna Beach area with regard to Tsunami preparedness. Second to that was his great assistance in our CERT program. Having already been CERT trained he acted as our Logistics Officer, helping to acquire, or find, all necessary materials and equipment for our first CERT class. Mr. Muckerheide was a coordinator for Nedonna Beach Fire Department and the City of Rockaway Beach. Through his actions the Nedonna Beach Fire Department paid for egress trail improvements needed on the south end of Rockaway Beach. He and his committee also greatly improved two egress trails out of the Nedonna Beach/White Dove area.
- Mr. Cliff Jensen, retired City Manager of Rockaway Beach. His actions caused the hiring of a part time Emergency Manager, thus assuring the continuation of this process. Also the support of City staff was invaluable. Without significant staff support I'm sure this program wouldn't have had the success it had.

### Challenges

Consistency for preparedness, notification and reaction from a local or distant Tsunami for all citizens is the biggest challenge. Probably, the easiest example of this would be to reflect back to the last Chilean Earthquake. Some Oregon municipalities reportedly evacuated their beaches. Why? For a projected 8cm wave! In this area, we have a group of folks that headed for the jetty to watch the wave come ashore. A few years ago this community received notification that a distant Tsunami was coming and immediately we had traffic jams, complete chaos, and people running for the hills. No one knew what they were supposed to do, or where they were supposed to go. This grant will help solve some of the problems, but certainly not all of them.

Using cold-war era sirens for a distant tsunami warning no longer makes sense. Sirens first came about during World War II, for air raids or submarine attacks. Our current sirens came from Trojan Nuclear Plant which was decommissioned in the early 1970s. County-wide discussions have begun with elected officials, emergency planners, and the general public to look at alternate and more modern technologies for alerting the population to a distant event.

While the TOO program clearly identifies the difference between a local and distant tsunami and how to respond, changing long ingrained habits and mindsets is difficult and can only be accomplished through education. Currently, this county has reverse 911, cell phone alerts, NOAA weather radios, radio and TV stations that could put announcements out. In two or three hours most municipalities could have their local police and fire personnel alert those folks in the near beach area. Whatever we do, we need to show consistency.

Delay in getting a signed IGA caused some issues. In our case, our City Manager stated that he had good faith in Mr. Roddey and he would allow me to be paid out of the City's budget until such time as an agreement could be signed.

Initial discussions indicated that this would possibly be up to a 20 hour per week position (Community Organizer). Due to me being a PER retiree I requested that this be changed to 12 hours per week (so I could fulfill my other City commitments). This turned out to be impossible to do this at 12 hours per week, at least, in an 8 month period. I, like other Community Organizers, probably donate 1 hour of time for each hour billed.

**Ideas/New Resources**

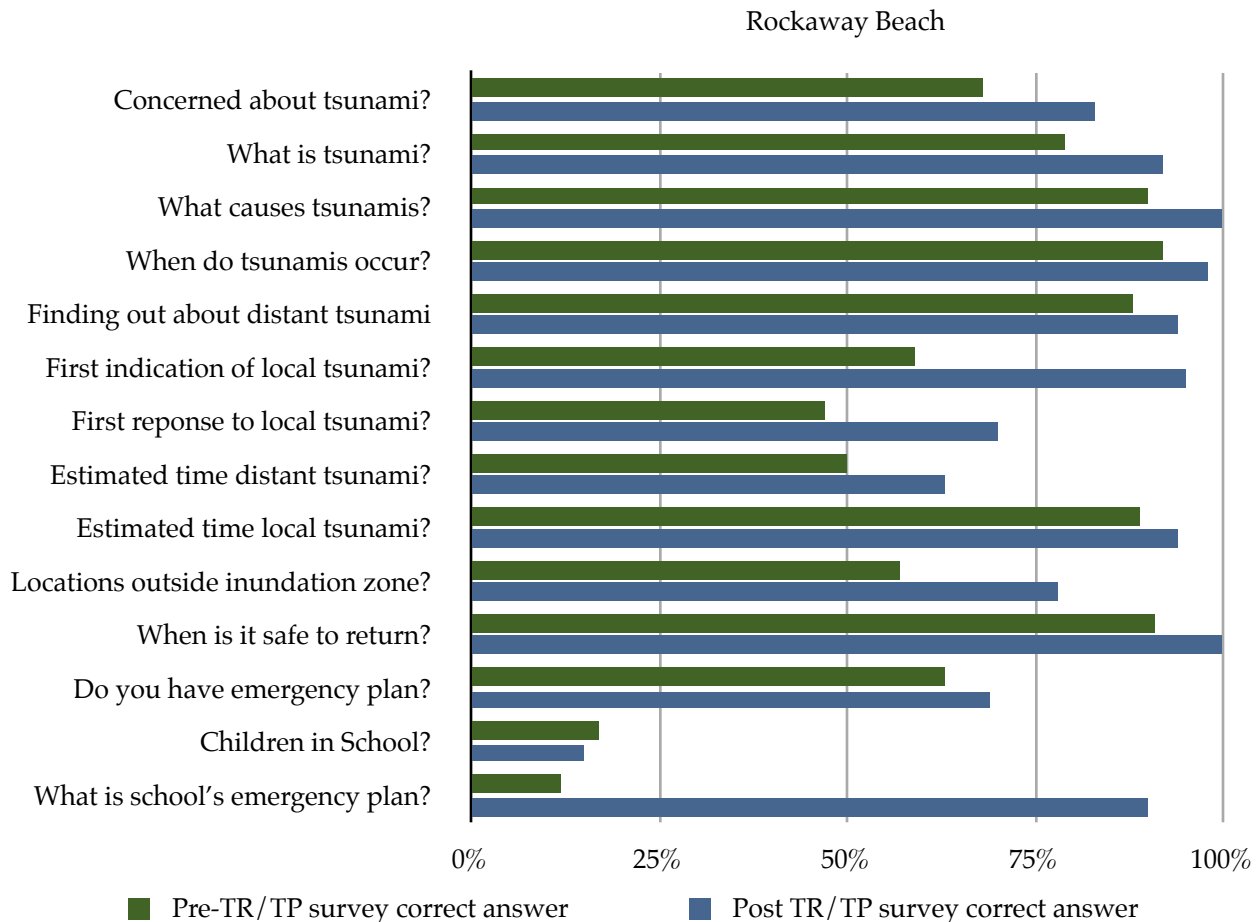
The TOO plan and goals, as written, was well thought out. Initially, it seemed to be overwhelming, but in the end, the goals were achievable. My Emergency Services background made it easier for me to incorporate local police and fire personnel into the program. Without this background, it may have been much harder to get the involvement needed for success.

**Needs/Wants**

Annual presentations and workshops for our community, and continued support for CERT training and MYN are important. We need some large storage cargo type containers to begin creating emergency caches. One of our steering committee members recommended we get in contact with the now abandoned Port of Tillamook Bay Railroad and see about getting a used rail car. The Port is now in the process of trying to locate one for us. Creative ideas for funding will be found. As DOGAMI’s inundation maps show, approximately 80 percent of the businesses and homes in Rockaway Beach are in the inundation zone. We will be actively seeking funds to build a combination Fire/Police/Public Safety Assembly building out of the inundation zone. This will continue to be a high priority for my office.

**Survey results**

Pre- and post-survey comparison showed significant improvement in tsunami awareness. Survey results show that the citizen’s of Rockaway Beach now have a much better understanding of tsunami’s and the effect that they will have on themselves and the community.



### Rockaway Beach Final Thoughts

In reviewing the survey data it is obvious that this grant process was successful. People have more knowledge, understanding, and are better prepared for a Tsunami. One of the questions in the survey asks “if you have children in school, are you familiar with the school’s emergency plan and evacuation procedure?” The pre-outreach survey results indicated that only 12% were aware of the procedure. The post-outreach survey indicates that 90% were now aware of the procedure. A cultural change! Another question asks “What is your first indication that a LOCAL tsunami is approaching?” The pre-outreach survey showed that 59% thought it would be ground shaking violently and 41% thought they would hear 3 minute siren blasts. The post-outreach survey shows that 95% of the people thought it would be the ground shaking and only 5% of the people thought it would be the 3 minute siren blasts. A behavioral change! Any, and all, review of these surveys will show that the Tsunami Ready/Tsunami Prepared program has made a significant difference.

### **WALDPORT, YACHATS AND SEAL ROCK (CENTRAL OREGON COAST)**

Jim Kusz, Safety and Public Information Officer with the North Lincoln Fire and Rescue District wore a second hat as our CO with our three central Oregon coast communities. Jim has a remarkable background in coastal hazards outreach, education and beach safety, and has been working with Lincoln County communities on earthquake and tsunami preparedness for years.



#### **Summary report by Jim Kusz, CO and Safety and Public Information Officer, North Lincoln County Fire District (NLFR)**

Overall, I feel the WYSR (pronounced “Wiser”) Team’s efforts have been very successful and achieved most of our goals. However, the post-survey results (although a smaller sampling than the pre-survey) shows we need to reach further.

WYSR incorporates the cities and outlying areas of Waldport, Yachats and Seal Rock, covering a coastal stretch of over 22 miles. It is an unusually large somewhat interconnected group of communities with many positive individuals working together, but geographically the area presented many logistical challenges.

In Yachats, tsunami and emergency preparedness efforts have been led by Fire District Chief Frankie Petrick, and the community had a good understanding of the risks and consequences of a Cascadia earthquake or distant tsunami. Tsunami evacuation drills have been held in the distant past, door to door campaigns have been conducted and tsunami champion Betty Johnston has led CERT and MYN classes for the past few years. Nonetheless, the community needed a push to re-invigorate their preparedness efforts.

Waldport had emergency preparedness programs in the past centered around earthquake and tsunami education, but participation and effort had slowed. The struggle to move the high school out of the tsunami inundation zone, led by Mayor Herman Welch, had renewed interest in a locally driven tsunami outreach and education program.

The unincorporated community of Seal Rock, spread along both sides of Coast Hwy. 101 north of Waldport had never had any type of emergency preparedness program and community leaders, led by the fire chief were eager to participate in TOO.

A small coalition of people (CERT, Fire, City Halls, State Parks, stakeholders, lodging facilities) was gathered to help set local goals for the TOO program. This group also knew what had been accomplished in the past, and of the current state of tsunami preparedness in each community.

I actively recruited Betty Johnston (Neighbor Helping Neighbor/ Map Your Neighborhood), Kay Wyatt (Oregon Shakes) and Susan Graves (Lincoln County School District / Teen CERT) for their expertise and support. I also had support from all three Fire Districts, Oregon State Parks and U.S. Coast Guard!

With this “steering committee”, we began work creating cross training opportunities with all three communities. The MYN program was the central component in this strategy. We tapped into media contacts in the local area, as well as Portland, Salem and Eugene television news departments, and created a list of media contacts with the local and regional area newspapers and radio markets for promoting tsunami awareness over the next several months.

### **Outreach Survey**

We collected over 546 surveys in one weekend in our area by individuals making personal contact at a week-end long event. From these we took a sampling of approximately 130 to complete the pre-survey. There were 44 respondents for the post-survey.

### **Steering Committee**

The WYSR Tsunami Steering Committee met bi-weekly at first in March thru June and approximately once every month thereafter, then weekly for 4 weeks leading up to the Tsunami Drill in September. The Steering Committee was made up of representatives from Law Enforcement, Fire Districts, City officials, private citizens, Oregon State University and CERT Teams from throughout the area. It usually had 12 or more individuals attending each meeting and was made up of the following: Chief Frankie Petrick, Yachats Fire District, Chief Derek Clawson, Central Oregon Coast Fire and Rescue District, Chief David Lapof (initially) and Acting Chief Peter Benjamin (later), Seal Rock Fire District, Curtis Landers, Lincoln County Sheriff Department, Bryon Fitch, Oregon State Police, Robert Smith, Oregon State Parks and Recreation, Ryan Widdows, United State Coast Guard, Betty Johnston, CERT (Yachats), Sue Bolstad, CERT (Seal Rock), Barb Pace, CERT (Depoe Bay), Lynda Engle, CERT (Seal Rock), Monika Robinson, Lincoln County School District (LCSD) Teen CERT, Susan Graves, LCSD, Dean Richmond, CERT (WCP), Jodi Sones, CERT (WCP), Dee Elliott, CERT (Yachats), Donald Niskanon, Yachats, Theresa Conley, Oregon Cascades West Council of Governments, Nancy Leonard, City of Waldport, Kay Wyatt, Oregon Shakes, Jim Reed, Oregon State University, Linda Tudico, CERT (Yachats), Cici Pratt, American Red Cross, Jim Robinson, Citizen.



### **Networking**

Networking with adjoining Fire Districts and businesses was extremely successful, and some of the individuals step forward to assist in marketing ideas and in planning the 22 mile Evacuation Drill. They included the entire Steering Committee, plus Pill Box Pharmacy, members of NLFRR, Angel Job Corp., Oregon DOT, State Farm Insurance, Oregon State Police, Lincoln County Teen CERT program, RACES (radio) , Lincoln County Sheriff’s Department and Posse.

The most inspiring message that helped set the tone of our outreach and education efforts on why tsunami preparedness is so critical was from Gary Clawson, a story teller & '64 tsunami survivor. His story of the loss of his mother and father, girlfriend and friends on the night of the "Good Friday" Alaskan earthquake and tsunami that struck him and his family while living in Crescent City, California made the efforts of our group even stronger.

### **Neighborhood Outreach**

Outreach was done mostly through weekly market place or farmer markets "Information booths" on Wednesday's in downtown Waldport and on every Saturday in Yachats throughout the spring, summer and early autumn months. 1,000 tsunami preparedness brochures were printed and handed out at these events.

Initial organizational discussions were held with the County Emergency manager, City Managers and Fire Chiefs, Presentations were given to City Councils by both James Roddey and myself to outline the program and gather support. Media coverage on the local level was extremely important for the programs success around these events.

We developed and printed, with sponsor underwriting, a *Central Coast Preparedness Book* based on a Severe Event Training (S.E.T.) booklet previously created for my Fire District in the northern part of the county, with added information on tsunami preparedness and input from local officials and committee members in WYSR. The *Central Coast Preparedness Book* has information to help people create individual emergency plans for their special and unique situations, plus all the information they need within one source. 10,000 copies were printed. A PowerPoint presentation was also created to support the publication for use at community events.

### **CERT**

There is a strong, ongoing and active CERT program in Lincoln County. We had 100% support from all the CERT Teams in the region, not just WYSR, and the Lincoln County School's Teen CERT program. These organizations and the local Fire Districts will now be continuing to stress the tsunami preparedness message in the future. Couldn't have done it without them!

### **Map Your Neighborhood**

Previous "Map Your Neighborhood" programs with full-time residents have been very successful. Due to the timing of our drill and access over the summer months to part-time residents and VRD's (Vacation Rental Dwellings), most of our efforts focused on mass media campaigns to all residents full and part-time. Future efforts are being developed in some areas with local PEG (Public Educational Government) Channel programming on local cable to have live training of "Map Your Neighborhood" broadcasted in an effort to reach entire communities with the concept at once.

### **Outreach to K-12 Schools**

The Lincoln County School District is the leader at the coast for emergency preparedness and public safety thanks to Safety Coordinator Sue Graves. Her innovative programs have been copied by schools throughout the state and Sue



Gary Clawson (left), father of Chief Derek Clawson of Waldport, was a survivor of the 1964 tsunami that struck Crescent City following the magnitude 9.2 Great Alaska Earthquake. He lost family members and friends while trying to rescue townspeople in the tsunami.



was and is involved in the tsunami outreach and education program throughout the year. Lincoln County Schools have conducted many safety drills in the past and Sue coordinated the tsunami evacuation drill for TOO with the local schools. We will be prototyping a county-wide “beach safety” program call JAWS (Just Add Water Safety) which features Tsunami Safety and presents the “Washed Away” program (see Media Events below) and Oregon Department of Geology and Mineral Industries, James Roddey’s “Tsunami Music Video” that will play nicely to teen audiences.

### Media Events

We had several media events and radio “on-air” opportunities. The highlight of the project was “Washed Away” a five part series on KATU Portland, Oregon based ABC affiliate. The first segment shot entirely in Waldport had to do with tsunamis and through efforts with Rescue 8 Productions and Brad Hilliard, State Farm Insurance, we made 1,000 copies of this program for free distribution. Working with many contacts all aspects of the TOO outreach program made statewide news.

An idea from James Roddey turned into one of the most successful April Fool’s Day pranks in Oregon history. James uses the story of elephants in Thailand that left the beaches moments before the tsunami arrived at the Thai coast from the magnitude 9.0 Sumatra earthquake in December, 2004. His suggestion that elephants might make a better tsunami warning system for the Oregon coast was perfect for a

newspaper story published on April 1st by Oregon Coast Today magazine. The story was embellished to suggest that elephants were already in Lincoln City and were being moved to State Parks at the coast. Dozens of phone calls were receive by the magazine, James and myself asking where one could go to see the elephants. Radio stations and almost every television news department in the state called asking to see the elephants! This silly story turned into a powerful education tool to initiate discussions on tsunami preparedness.



WYSR CO Jim Kusz at the “elephant staging area” in Lincoln City.

### Targeted Workshops

Workshop efforts and some event activities in the rural coastal communities did not prove to be fruitful. However, weekly “Tsunami Information” stands at farmers markets and special events did provide many opportunities to reach the general public.

### Tsunami Evacuation Drill

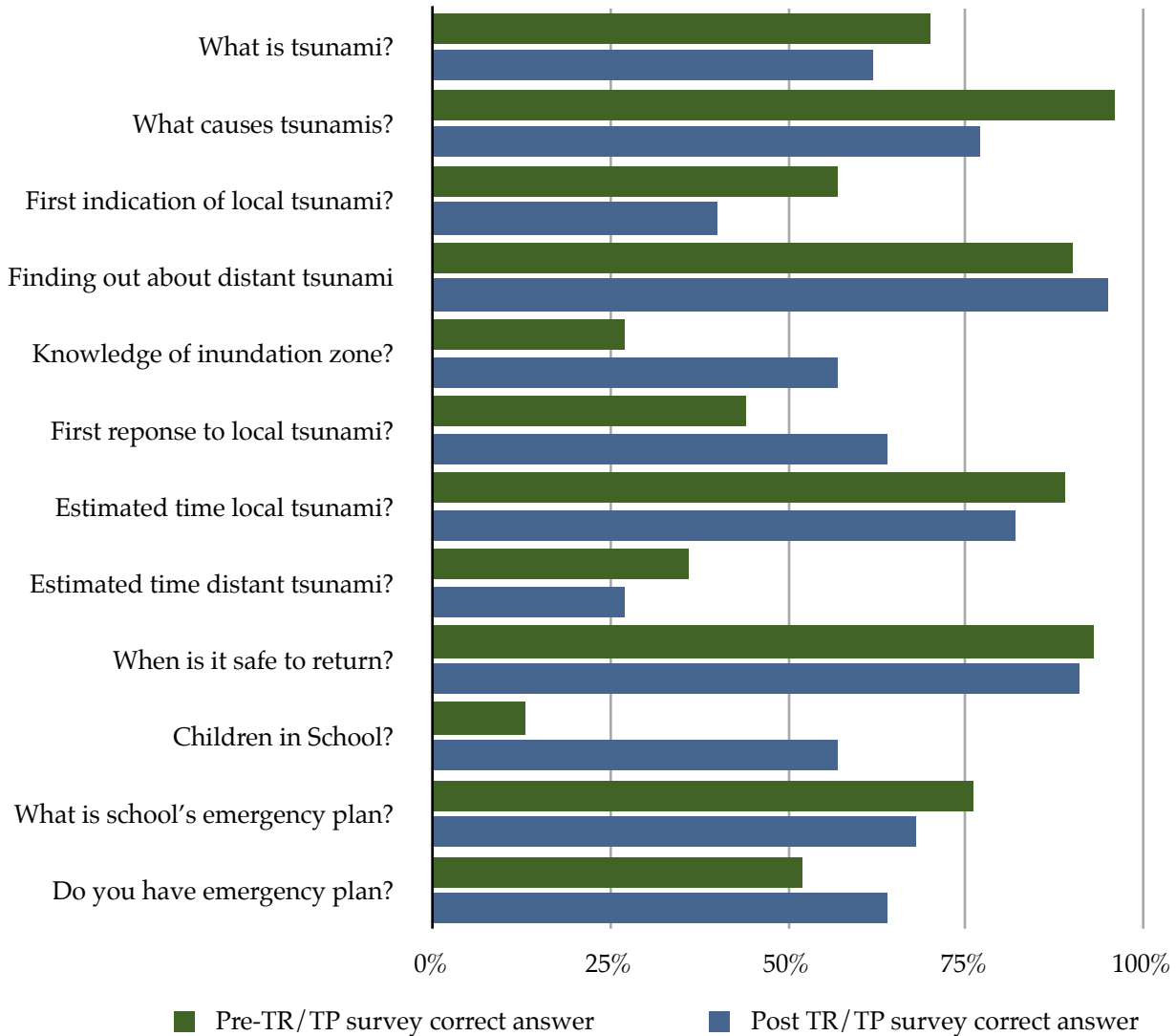
On September 18, 2010, a safe and successful tsunami evacuation drill in all three communities was staged. The exercise included all area schools with the High School evacuating to nearby high ground and the schools not in the “hazard zone” practicing earthquake drills. Angel Job Corp, a 260 student career school in Yachats also conducted a full scale drill. Many small businesses including one bank closed during the drill, which started with the weekly NOAA radio Tsunami test and weekly testing of the Sirens in Waldport and Seal Rock at approximately 11:00am. Through interagency cooperation with Lincoln County School District, Police agencies, Fire Districts, CERT Teams, the Oregon Department Of Transportation and US Coast Guard, over 100 volunteers assisted in the drill.

**WYSR Final thoughts**

It takes many individuals and a strong, active coalition to succeed with tsunami education. In my position as a Captain and Public Information and Safety Officer for North Lincoln Fire & Rescue, I am working with many different organizations to create an ongoing, sustainable preparedness effort using Public Service Announcements, televised training and networking with the CERT program and other agencies. Local government is very important in assisting in these efforts, but will never be the driving force behind disaster readiness. Programs like TOO, that emphasize and support a volunteer and neighborhood based approach are the most effective way to prepare a community. I look forward to my continued association with the people and organizations that have become a part of TOO. It is the most effective earthquake and tsunami preparedness program we've ever had on the coast.

Overall, I feel the WYSR Teams efforts have been very successful. However, the post-survey results (although a smaller sampling than the Pre-Survey) show we need to reach further.

Survey results - Waldport, Yachats, Seal Rock



## **BANDON (SOUTHERN OREGON COAST)**

Charli Davis, a senior planner with the city of Bandon, with a background in emergency management also took on the role as CO for the TOO. Charli is already busy working with tsunami outreach consultant Deb Treusdell and local community leaders to develop an enhanced education and outreach program specifically for the Bandon area, building on the work she and others have been doing for years.



### **Summary report by Charli Davis, CO and Senior Planner, City of Bandon**

The City of Bandon has been actively working on updating the City-wide Emergency Management plan on an ongoing basis for approximately ten years. Community education has been an essential part of this update. The plan is an all hazards approach to preparation for the natural disasters typically occurring in a coastal area. Severe winter storms, high winds, and river and ocean flooding always threaten coastal shore-lands.

Bandon has been the subject of distant tsunami advisories on three occasions in the last five years. The 2004 Sumatra event and the recent events in Haiti and Chile have increased the interest in earthquake and tsunami preparedness.

### **Outreach Survey**

Following a presentation to the Bandon City Council and the initial organizational meeting, volunteers contacted 125 people by phone to complete the TsunamiPrepared Pre-outreach survey (note - Charli has not forwarded the results of the survey to DOGAMI at this time).

### **Steering Committee**

In May, 2010, the advisory committee for the program was formed, Bandon Earthquake/Tsunami Team (SAFE BETT). The team includes as core members Claudine Hundhausen, City Councilor, Glenda Hales, Coos County Emergency Manager Bob Webb, Bandon Chief of Police, Lonni Scarborough, Emergency Manager for Southern Coos Hospital Marlene Coustier, retired emergency manager from Sonora, California, Connie Bunnell, CERT volunteer and trainer, Loren and Audrey Gingg, CERT members and Red Cross Volunteers, Dan Bissell, Emergency Communications Officer for the City, Rebecca Davidson, Southern Coos Hospital, Kathy Hornstuen, Secretary, Southwestern Oregon Public Safety Association, Gina Dearth, Director Port of Bandon, Amy Strong, The Western World (Bandon Newspaper), Bill and Joan Russell, CERT Team members and Map you Neighborhood Champions, Ben Fisher, Director, Bullard's Beach State Park, Michael Crouse, CET Team member.

This core team meets on the first and third Wednesday of the month from 2:00pm to 3:00pm. Prior to an upcoming event, the committee meets every week.

### **Networking, Neighborhood Outreach and Media Events**

On May 25, the TOO program was formally introduced to residents with a **kick-off** meeting at the City's event center. This meeting introduced the tsunami preparedness program and the participating volunteer organizations to the

community. The Bandon Earthquake & Tsunami Team (Safe BETT) core members included Oregon Red Cross, the local CERT program and Bandon Ham Radio operators. This event was designed and organized by Deb Sterling and SAFE BETT to energize the community, solicit volunteers and encourage participants to sign up for CERT and MYN training opportunities. Presentations were given by DOGAMI staff and Safe BETT members, and informational booths from Oregon Red Cross, Hams, CERT, MYN, DOGAMI and others encouraged training and volunteer opportunities.

Several door prizes were given away, including a \$170 four person Red Cross emergency kit, 2 NWS emergency radios, a car emergency kit, and preparedness books. In order to be eligible for a door prize the guest filled out a ticket with name, address and e-mail. The e-mail addresses were then used in providing follow-up information and recruiting volunteers. Approximately 75% of the guests wrote their e-mail address on the ticket.

This outreach event was well advertised (local newspaper, City Manager's e-mail newsletter, distributed flyers to all Bandon school students, poster in every business downtown, and e-mailed information to all City data bases) and over 200 people attended. Dozens of people signed up to help with the program as volunteers or take CERT and MYN classes. Local radio stations covered the event and the local newspaper printed several articles prior to the event and a follow-up article afterwards.

The City manager was so impressed with the attendance and community response that the City is now planning to host a similar event on a yearly basis.

In the months of June and July, Safe BETT members prepared mailing lists of all households in the tsunami inundation zone (with approximately 1,200 outside the City boundaries). Staff also began discussions with the school district and the Southern Coos Hospital District on the TOO campaign and how this program could interface with their preparedness programs. Volunteers began a door-to-door tsunami education campaign in the tsunami inundation zone inside the city limits that continues through August.

In late July, early August, the Port of Bandon held the annual Windfest celebration at the downtown Riverwalk. Windfest typically draws several hundred participants and thousands of spectators, and Safe BETT volunteers manned a booth on earthquake and tsunami preparedness and passed out tsunami information and bottles of water with the "In case of tsunami, follow the elephant!" logo and were available to answer questions.

Additional tsunami evacuation brochures and MYN information was distributed at Ray's Food Market. Ray's is interested in taking part in a campaign to encourage residents to prepare emergency supplies. This would include discounts on the items featured over a sixteen week period.

In September, Bandon holds the annual **Cranberry Festival** and tsunami education was a big part of the festival. At the parade, attended by thousands of residents and visitors on a beautiful sunny day, fire trucks decorated with tsunami preparedness posters and banners led the parade. WYSR CO Jim Kusz paraded his Tsunami-mobile while play-

**What is a tsunami?**  
A tsunami (su-NAH-mee) is a series of sea waves usually caused by the sudden movement of the ocean floor because of a large undersea earthquake. As tsunamis enter shallow water near land, they increase in height and can cause great loss of life and property damage.  
People on open beaches, boating areas, bays or tidal flats, and near mouths of rivers draining into the ocean are at greatest risk from a tsunami and may have little time after a large earthquake to move to high ground.

**2 types of tsunamis: know the difference**  
A **DISTANT TSUNAMI**, caused by a large undersea earthquake, comes from across the ocean and will take at least a few hours to come ashore. There will usually be plenty of time for an official warning and evacuation, if necessary. A NOAA weather radio is the best way to find out what is happening. Many communities also have sirens and mass calling systems to alert the public. Designated local radio and TV stations will also have information through their Emergency Alert System (EAS).  
A **LOCAL TSUNAMI** comes ashore within 10 to 20 minutes after a nearby offshore earthquake that you will feel. A local tsunami can be very destructive and fatal. Do not wait for a warning. If you are near the ocean, you need to head to high ground as quickly as possible. Your only warning will be the ground shaking. It's important to have a grab-and-go kit and know the evacuation routes and assembly areas in your community.

**Tsunamis can happen at any time**

**See more at: [www.OregonTsunami.org](http://www.OregonTsunami.org)**

**Learn the facts, make a plan and get some help**  
Understanding what could happen in a great earthquake and tsunami and how often they occur is the first step toward being prepared. You'll realize you need a plan for anything Mother Nature can throw at you, not just "The Big One".  
There are dedicated people in Tillamook County and the Rockaway Beach area that can help you get started with an emergency plan and with putting together a grab and go, or disaster kit. You can also join a Map Your Neighborhood group in your area, take a Red Cross class or a local Community Emergency Response Team (CERT) training class. The people listed on the back of this brochure are local contacts that can answer questions and get you started. After all, we'll be helping each other when a disaster happens.

ing “The Baby Elephant Walk” over loudspeakers. Jim’s wife Diane, their dog, James Roddey and I all wore elephant hats (provided by James) and handed out candy and tsunami information to spectators down Highway 101 and into old town.

The Safe BETT team reserved the picnic shelter for a HUGE tsunami display and we handed out “In case of tsunami, follow the elephant!” water bottles. This was and is a great opportunity to increase visibility to reach the community. It’s also a great place to recruit volunteers.

5,000 copies of a new tsunami informational brochure were designed and printed by DOGAMI and then either handed out or mailed to every household within our geographic region, including 1,500 homes outside the city limits. Local libraries are distributing copies of the Map Your Neighborhood DVD and Oregon Tsunami Preparedness and giving away tsunami bookmarks. Map Your Neighborhood and tsunami preparedness materials are also available at City Hall and at some local stores.

### **Map Your Neighborhood and CERT**

In September, the City held it’s first MYN class with 17 people attended. Connie Bunnell (CERT and BETT member) gave a safety presentation and an overview of the MYN program. Local CERT programs have been attempted on a county level in the past, but have not been effective and there is only a small CERT base to draw from. The residents of Bandon have been more receptive to the MYN program, as opposed to CERT training, and seem more likely to commit to a program in a group setting.

### **Outreach to Schools**

Discussions with the School District on presentation, poster contests, evacuation drills and a tsunami related table-top exercise were begun. Schools have received and placed TOO designed tsunami posters in all schools and are distributing preparedness information.

### **Workshops/ Tsunami Evacuation Drill**

On August 3, Safe BETT hosted a hospitality industry workshop for the business community. Local hospitality businesses want their employees to be prepared and local businesses in general need information regarding preparation, evacuation, and business continuity. James Roddey and Patrick Corcoran gave presentations, while Deb Sterling facilitated discussions. The smaller group allowed the presentations and discussion to be approached on a more individual basis.

With strong support and leadership from Best Western Inn at Face Rock General Manager Marc Dryden, a tsunami preparedness workshop for south coast lodging was scheduled for mid-December, but has been rescheduled for late spring, 2011.

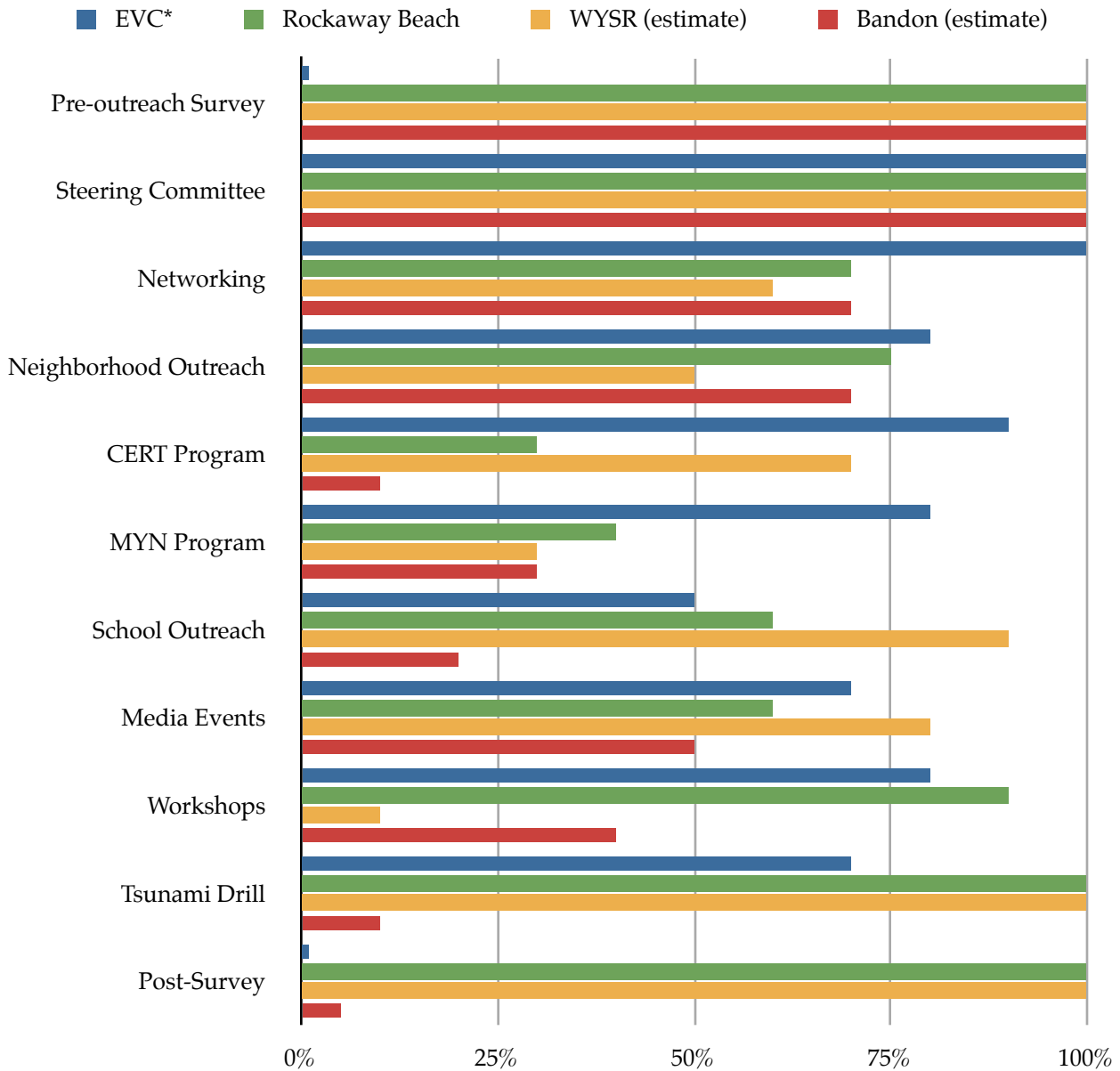


A full scale tsunami evacuation drill was scheduled for October, but was postponed and is now scheduled for 2012. Because Band has never held any type of tsunami drill, we decided we should hold a city-wide table-top tsunami exercise first for practice. Planning for this has begun and is scheduled for fall, 2011.

**Bandon Final Thoughts**

With new tsunami inundation and evacuation route maps being finalized for Bandon, there is strong momentum to keep our new grass roots movement alive. With the support of the City, it also looks like I will now be able to do several preparedness projects I've wanted to do for years. This program has been impressive in its support and resources.

**COMPLETION CHART FOR YEAR ONE TOO COMMUNITIES**



\*EVC did not participate in pre- or post- outreach surveys. Bandon has not submitted survey results.

**BUDGETS FOR YEAR ONE TOO COMMUNITIES**

**BUDGET (APRIL 1 – NOVEMBER 30, 2010):  
CITY OF ROCKAWAY BEACH FORECAST EXPENDITURES  
FOR REIMBURSEMENT BY DOGAMI:**

**CERT (for 25 people)**

Background checks	\$300
Instructor (24 hours at \$25/hr)	\$600
Manuals	\$350
Training items	\$450
Communication equipment	\$1,000
Packs, helmets, vests	\$1,250
Cost for 2-day certification of trainer	\$250

**Mobile Outreach Stations**

10' x 15' Canopy – 3 sides with stencil	\$1,150
2 Tables and 2 Folding Chairs	\$200
10' x 10' Open Air Canopy	\$250

**Non-CERT Volunteer Supplies**

Security checks	\$150
City ID badges	\$75
Other miscellaneous expenses	\$225
CO Mileage for training/ workshops	\$250

**SUM CITY OF ROCKAWAY BEACH  
SERVICES & SUPPLIES: \$6,500**

**DOGAMI has dedicated the following Services and Supplies items and estimated expenditures to be incurred by DOGAMI for the benefit of City Tsunami Outreach Project**

Map Your Neighborhood mass printing	\$1,700
Tsunami Brochures design and printing	\$300
Evacuation Maps	\$400
Event & Meeting Flyers and Notices	\$350
Vinyl Banners design and printing	\$350
Outreach Displays design and set up	\$500

**SUM DOGAMI EXPENDITURES: \$3,600**  
**SUM CITY OF ROCKAWAY BEACH  
SERVICES & SUPPLIES: \$6,500**

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**ROCKAWAY BEACH  
TOTAL EXPENDITURES: \$10,100**

**BUDGET (APRIL 1 – NOVEMBER 30, 2010):  
EMERGENCY VOLUNTEER CORPS OF NEHALEM BAY  
FORECAST EXPENDITURES FOR REIMBURSEMENT BY DOGAMI:**

**Emergency Volunteer Corps of Nehalem Bay**

Ham Radios (10/\$250)	\$2,500
1 Base station for Ham Radios	\$2,000
NOAA Radios (30/\$50)	\$1,500

FRS Radios (20/\$70)	\$1,400
Hispanic Outreach (50 participants) Training/Education	\$1,500
Outreach to Business/Ed material Help prepare/Visitor Info	\$ 625
Outreach to Rural /Farming Community Identify needs/training/Education	\$ 475
<b>SUM EVCNB SERVICES &amp; SUPPLIES:</b>	<b>\$10,000</b>

DOGAMI has dedicated the following Services and Supplies items and estimated expenditures to be incurred by DOGAMI for the benefit of the overall Tsunami Outreach Oregon Project

Regional Support for Prototype Web for Coastal Communities:  
\$1,500

<b>SUM DOGAMI EXPENDITURES:</b>	<b>\$1,500</b>
<b>SUM EVCNB SERVICES &amp; SUPPLIES:</b>	<b>\$10,000</b>

**EVCNB TOTAL EXPENDITURES: \$11,500**

**BUDGET (APRIL 1 – NOVEMBER 30, 2010):**

**CITY OF BANDON FORECAST EXPENDITURES FOR REIMBURSEMENT BY DOGAMI:**

**City services & supplies expense items:**

CERT Background checks	\$200
CERT Instructor Mileage and M&IE	\$250
CERT Manuals printing	\$350

**Outreach Tools and Projects**

Door-to-door campaign miscellaneous	\$500
Cranberry Festival mall stall	\$800
School outreach consultant	\$800
School outreach materials	\$400
Certified flaggers	\$800
Event flyers and notices printing	\$350
2 Tables and 2 folding chairs	\$200

**Non-CERT Volunteer Supplies**

Security checks	\$150
City ID badges	\$75
Other miscellaneous expenses	\$250
CO Mileage for training/workshops	\$500

**Signage**

Site Specific Evacuation Signs – hotels	\$500
“Tsunami Safe” Site Signs	\$600
Old Town & Beach Evacuation Signs	\$1,000

**SUM CITY OF BANDON SERVICES & SUPPLIES : \$7,725**

DOGAMI has dedicated the following Services and Supplies items and estimated



**expenditures to be incurred by DOGAMI:**

Map Your Neighborhood mass printing	\$1,700
Tsunami Brochures design and printing	\$300
Vinyl Banners design and printing	\$400
Outreach Displays design and set up	\$500
<b>SUM DOGAMI EXPENDITURES:</b>	<b>\$2,900</b>
<b>SUM CITY OF BANDON</b>	
<b>SERVICES &amp; SUPPLIES :</b>	<b>\$7,725</b>
<b>BANDON TOTAL EXPENDITURES</b>	<b>\$10,625</b>

**BUDGET (APRIL 1 – NOVEMBER 30, 2010):  
CITIES OF WALDPOR, YACHATS, SEAL ROCK (W/Y/SR)  
FORECAST EXPENDITURES FOR REIMBURSEMENT BY DOGAMI:**

<b>Community Outreach</b>	
Projector / bulb / case for PowerPoint	\$1,500
10,000 local brochures (or MYN)	\$1,000
School outreach projects	\$1,500
Volunteer Support (badges, vests, training)	\$1,000
<b>Signage/Canopy</b>	
Evacuation Signs	\$1,500
Beach Access Signs (Non-State Park)	\$1,200
10' x 10' Open Air Canopy	\$250
<b>Evacuation Drill</b>	
Evacuation staffed (certified flaggers)	\$1,100
<b>SUM CITIES OF W/Y/SR</b>	
<b>SERVICES &amp; SUPPLIES :</b>	<b>\$9,050</b>

**DOGAMI has dedicated the following Services and Supplies items and estimated expenditures to be incurred by DOGAMI:**

Display materials (produced by JR)	\$1,000
<b>SUM DOGAMI EXPENDITURES:</b>	<b>\$1,000</b>
<b>SUM W/Y/SR</b>	
<b>SERVICES &amp; SUPPLIES :</b>	<b>\$9,050</b>
<b>BANDON TOTAL EXPENDITURES:</b>	<b>\$10,050</b>

<b>TOTAL TSUNAMI OUTREACH OREGON</b>	
<b>EXPENDITURES:</b>	<b>\$42,275</b>