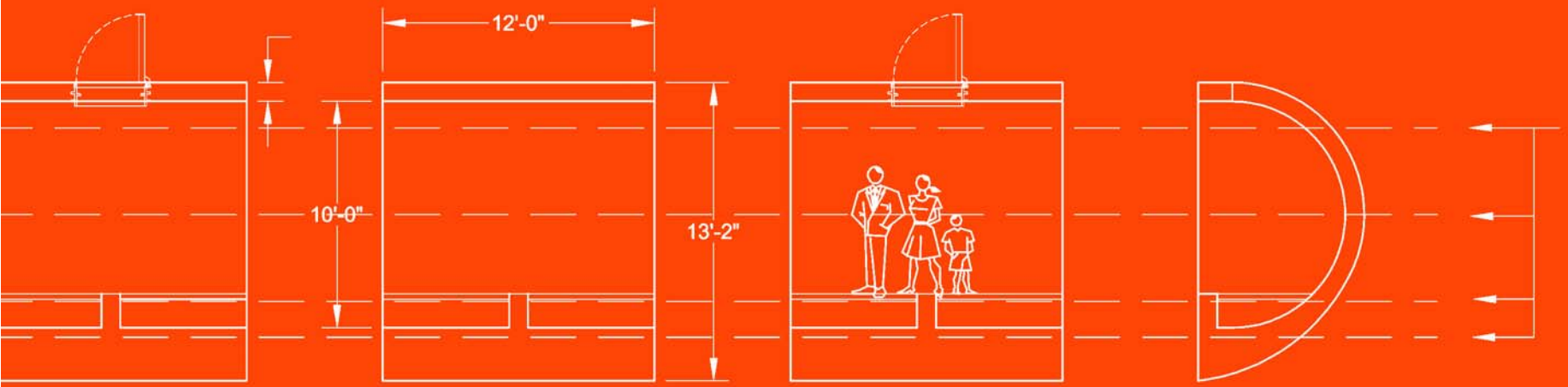
STATIM Shelter System

Storm, Tornado And Tsunami Interconnected Modules Shelters

Brahman Developments



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The urgent need

The 2004 Indonesian tsunami, 2005 Hurricane Katrina and many other recent natural catastrophes have demonstrated the need for a specialized emergency shelter for humans, prior to, and after such recurring events. But above all, disasters such as tsunamis and floods have underscored the need for an innovative and effective preparedness tool capable of protecting us from their devastation.

It is clear that an urgent need exists for a cost-effective preparedness tool such as a shelter that, among other characteristics, can be easily produced, transported and erected on-site, in such a way as to mitigate future catastrophic events; specially tsunamis and floods.

The ongoing earth changes will continue to pose a great threat to civilization, especially to communities living in low lying lands and coastlines.

Recent Tsunami Events:

- Apr. 6, 2010 -- Sumatra
- Feb. 27, 2010 -- Chile
- Jan. 12, 2010 -- Haiti
- Jan. 3, 2010 -- Solomon Islands
- Oct. 7, 2009 -- Vanuatu and Santa Cruz Islands
- Sep. 29, 2009 -- Samoa
- Aug. 10, 2009 -- Andaman Islands
- Jul. 15, 2009 -- New Zealand
- Nov. 14, 2007 -- Northern Chile
- Sep. 12, 2007 -- Sumatra
- Aug. 15, 2007 -- Peru
- Apr. 1, 2007 -- Solomon Islands
- Jan. 13, 2007 -- Kuril Islands, Russia
- Nov. 15, 2006 -- Kuril Islands, Russia
- Jul. 17, 2006 -- South Java
- Mar. 28, 2005 -- Indonesia
- Dec. 26, 2004 -- Indonesia (Sumatra)

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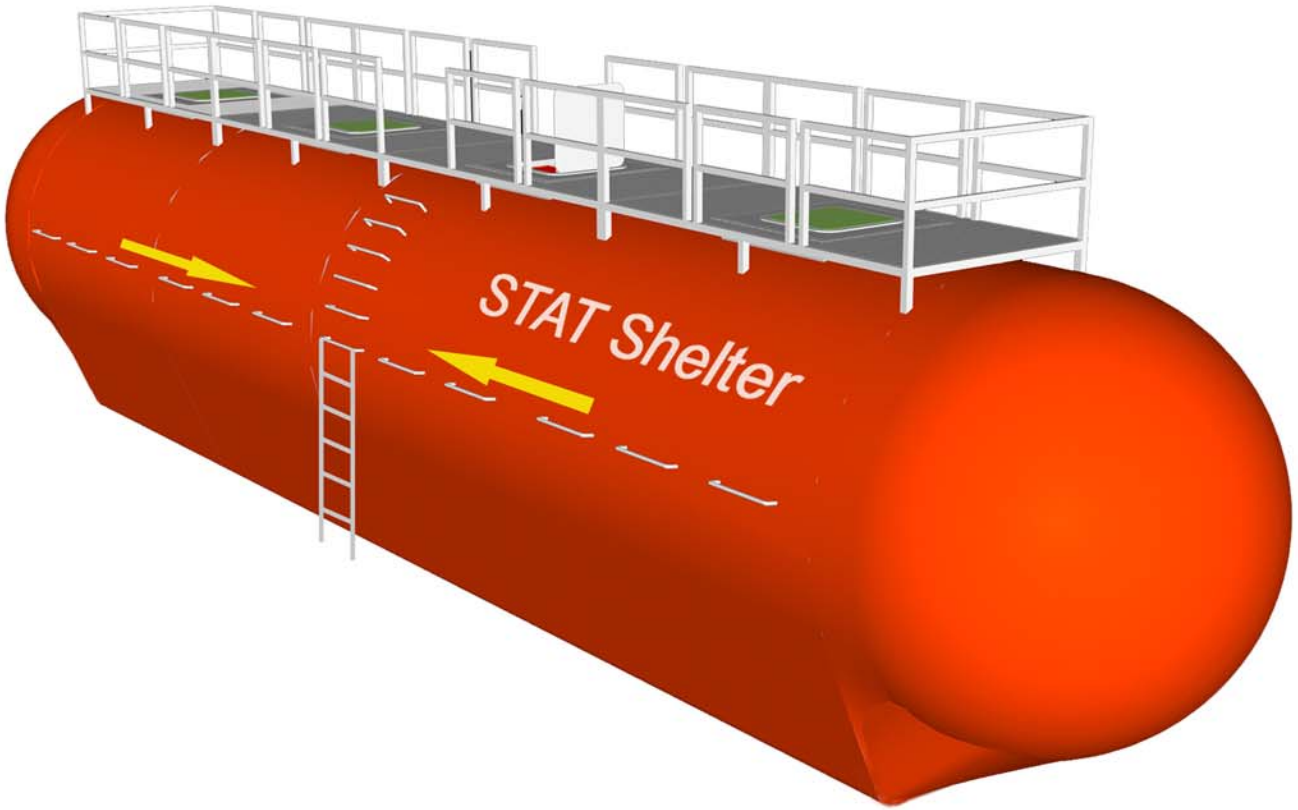

With this need in mind, we put forward a development program focused on devising a way that could allow these vulnerable communities preemptive protection from such devastating events, once and for all.

After many years of brainstorming and design work we devised a concept which we have named the ***STATIM*** *Shelter System;* (Storm, Tornado and Tsunami Interconnected Modules).

The ***STATIM*** *Shelter,* with an elegantly simple approach, manages to combine all the characteristics and capabilities required to be a feasible preparedness alternative destined to become the first line of defense on future occurrences of tsunami and flooding events. It could be considered an "inland lifeboat" for all.

The humanitarian aspects of this patented innovation will prove invaluable, and its civil applications and benefits will be worldwide.

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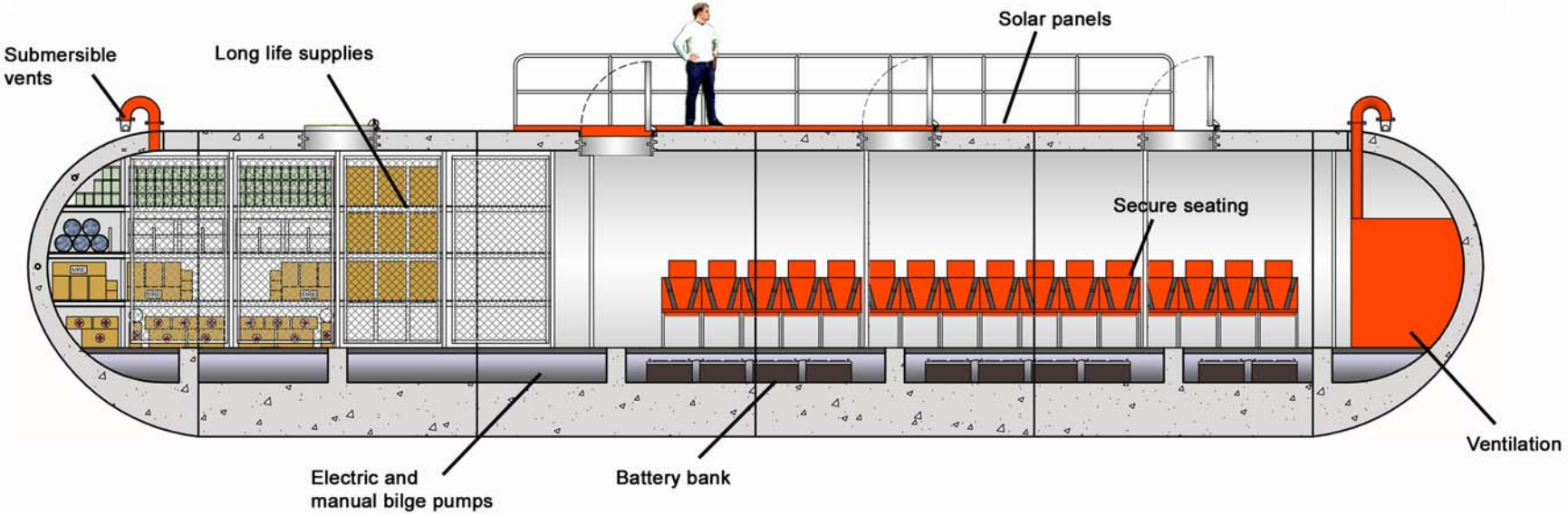

Our groundbreaking approach incorporates many requirements necessary for it to be both implementable in a large scale basis, and capable of delivering the necesary protection; making the ***STATIM*** Shelter a substantial contribution to the World.

The ***STATIM*** Shelter System is low-cost, low-technology, low-maintenance concept capable of being mass produced "in situ". It is built with widely available materials like concrete and rebar, and can be fabricated and quickly installed by low skilled labor.

Concrete is a high mass and inertia material that enables the ***STATIM*** Shelter to safely resist the initial forces of an event, sudden acceleration shocks, and also to withstanding tides of any height.

After the event the system will also aid in sustaining survivors until the available rescue resources can assist.

The requirements of such a shelter system were indeed a tall order, but the ***STATIM*** Shelter System has delivered them in the most efficient and effective approach ever available.

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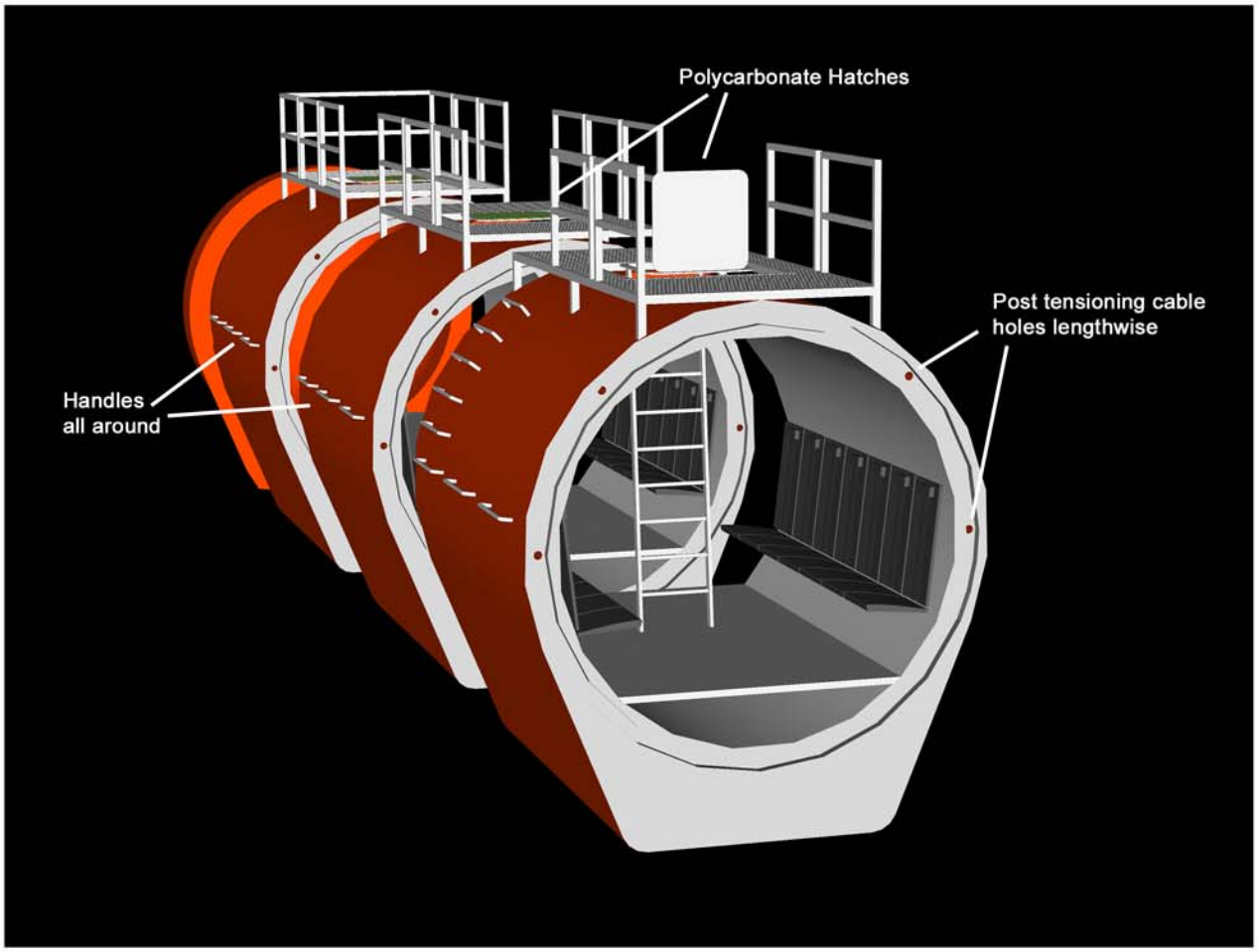

The ***STATIM*** *Shelter* is formed by joining together pre casted concrete modules via post-tensioned cables. These modules are provided with rubber gasket joints, that once compressed together, create a water tight environment just minutes after the modules are have been aligned.

With this modular technique, we are able to create shelter of variable length configurations as each specific application require. Also, it allows for the easy transport of the modules over standard roads, railways or barges. Ideally, this technique allows for the modules to be mass produced near their intended final destination, substantially reducing shipping costs for the most significant component of the system.

The ***STATIM*** *Shelters* can be fitted with a wide variety of life support and survival options depending on the specific mission.

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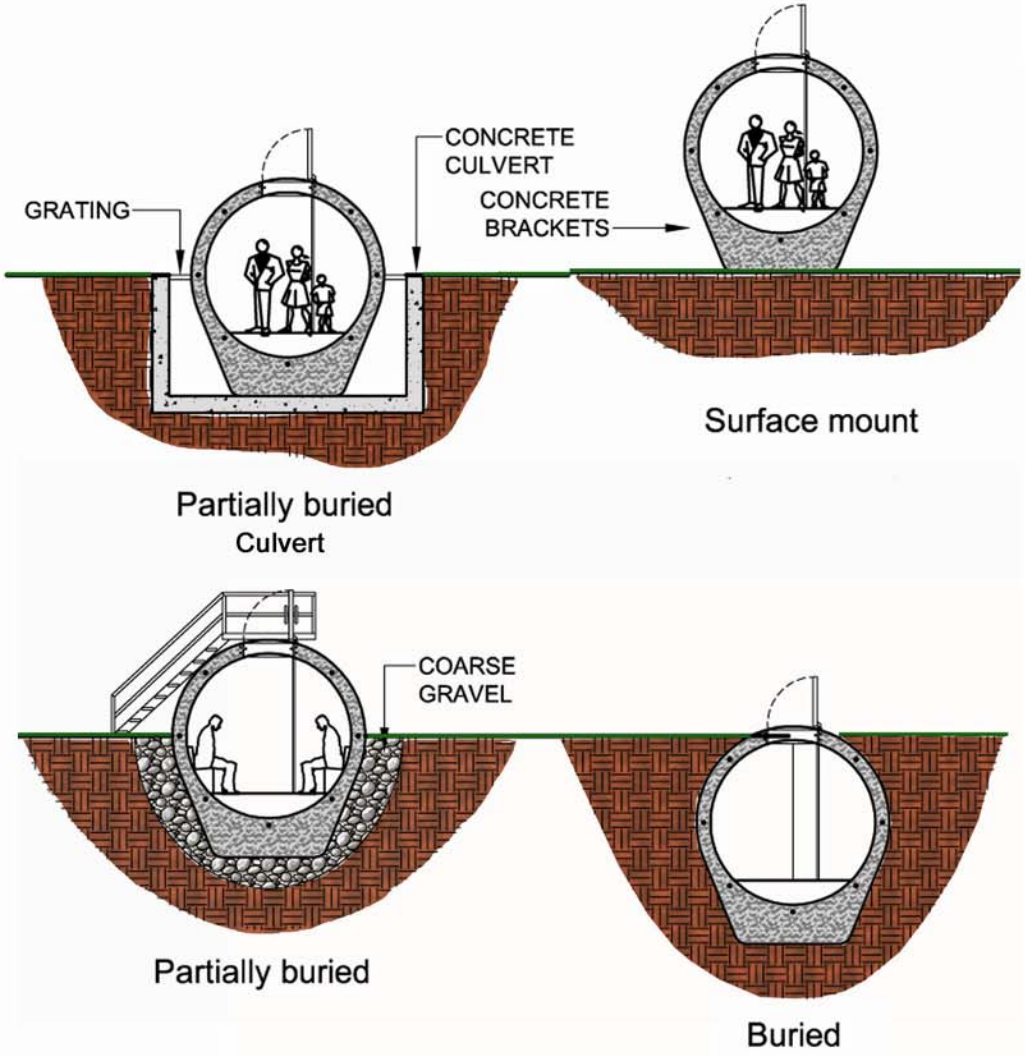

Placement configurations

The ***STATIM*** *Shelter* can be installed in several configurations. The basic configurations are intended to allow the unit to float in the event of extreme flooding or tsunami tides. The units are designed to sustain temporary inmersion, and are provided with self righting capabilities in case they are overturned by the event forces. Secure anchoring options ensure that the units remain in the location when they are afloat.

A buried configuration is intended to serve as quick installation storm and tornado shelters, or as strategic emergency supplies depots to aid after the events occur.

A military variant has been developed to serve as quick installation buried barrack or command post, with discrete heat signature and protected from surface detonations.

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Rendering depicting typical installation setup

Installation of the system

Installation of the system is straight forward, requiring only low-tech tools and minimal specialized training. The concrete modules are transported from the regional, or nearest designated pre-cast plant, in conventional low-bed trailers and can be handled by many alternatives of hoisting equipment.

Once the installation surface is pre-pared, whichever configuration is chosen, the modules are aligned and attached up to the desired length. The gasketed joints are prepared with sealant and the shell assembly is completed by adjusting the series of post-tensioning cables around the walls of the modules, running from end-cap to end-cap.

After the shell is finished the contractors proceed with the installation of the interior systems and accessories which could include: flooring panels, battery bank, LED lighting, solar panel, belted benches, interior ladder, hatches, ventilation ports, boarding deck and railings, potty and GPS interlink, among other alternatives.

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Rendering depicting a STATIM Shelter safely floating after an event.

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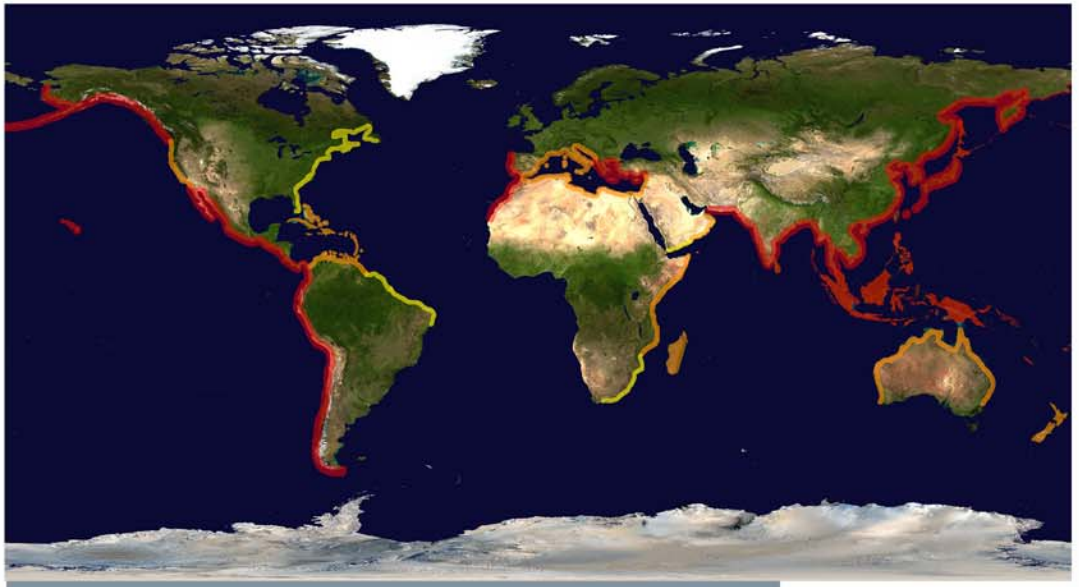
The urgent need and the opportunity

The need to prepare for natural disasters is undebatable. Although no measure will completely avoid related death and destruction, there is now a tool and resource named the ***STATIM*** *Shelter System* that indeed will reduce the impact of such disasters, and more important will provide much needed peace of mind and hope for all the people living in low lying lands and areas of high tsunami risk.

With a well planed approach and diligent execution the ***STATIM*** *Shelter* program vows to become a remarkable worldwide initiative benefiting millions of human beings.



Areas of higher tsunami risk in the World

JAKARTA Nov 2006 - *"The world could see a replay of the massive death and destruction caused by the December 2004 Indian Ocean tsunami if it fails to spend more on disaster risk reduction..."*,

Red Cross/Red Crescent

"Tsunami Hazards - A National Threat" - *"Especially vulnerable are the five Pacific States—Hawaii, Alaska, Washington, Oregon, and California—and the U.S. Caribbean islands."*

USGS Fact Sheet 2006-3023

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