

PROJECT SUMMARY

June 6, 2005

- PROJECT:** US National Tsunami Hazard Mitigation Program
Public Information Products: B-roll footage
Tsunami Science, Warnings, and Preparedness
- AGENCY:** UNESCO IOC International Tsunami Information Centre
NOAA Public Affairs
- CONTACTS:** Dr. Laura Kong, Director, ITIC, l.kong@unesco.org
Delores Clark, NOAA Public Affairs Officer, Pacific Region,
delores.clark@noaa.gov
- PURPOSE:** Educate the public about tsunamis, tsunami warning systems, and tsunami preparedness, and the roles of US State and Local Emergency Agencies, NOAA/NWS, NOAA/OAR and NESDIS in tsunami events.
- USE:** Non-Profit Educational use only by government officials, disaster response and other authorities, and the media in explaining and educating about tsunamis and tsunami warning systems.
- PRODUCT:** Tsunami-related secondary (B-roll) footage covering tsunami science, warning system operations, and mitigation (NTHMP, preparedness, safety, evacuation, inundation mapping). B-roll consists of film footage, still photos and graphics, computer animations.
1. Total length of interview footage: 57 min 25 sec
 2. Total length of tsunami wave footage: Approx 6 minutes
 3. Tsunami science graphics, photos, and computer animations and numerical simulation distributed as digital files (Quicktime-format movie files, JPG-format files); higher resolution available upon request. Distribution by DVD/CD and Beta SP (on request).
- CREDITS:** Project funded by US National Tsunami Hazard Mitigation Program. These images are freely distributed. When used, credit should be given as is specified, or if not identified, please credit the UNESCO/IOC International Tsunami Information Centre (ITIC).

1. SHOT LIST: NOAA/ITIC TSUNAMI B-ROLL - INTERVIEWS

TRT: 57 min. 25 sec.

01:02 Tape ID Slate & Title

Date Created: Feb-23-2005

BACKGROUND INFORMATION

- 01:15 Wave generation, characteristics, recession, inundation (*animation with voiceover*)
credit: Japan Meteorological Agency
- 02:45 Dr. Walter Dudley, Professor of Oceanography, Univ. of Hawaii at Hilo: What causes tsunamis? (*roll-in graphic of subduction zone, Pacific Ring of Fire*)
credit: Hawaii State Civil Defense
- 03:17 Dr. Charles "Chip" McCreery, Geophysicist in Charge, Pacific Tsunami Warning Center explains characteristics of tsunamis & wave sizes.
- 04:40 McCreery: difference between ocean wave and tsunami wave
- 06:30 McCreery: you can't surf a tsunami.
- 07:00 McCreery: how to prepare for a tsunami.
- 08:10 Definition of Tsunami Watch and Tsunami Warning: (*graphic w/voiceover by Brian Yanagi, Earthquake & Tsunami Program Manager, Hawaii State Civil Defense*)
credit: Hawaii State Civil Defense

U.S. NATIONAL TSUNAMI HAZARD MITIGATION PROGRAM

- 08:35 R. Jeffrey LaDouce, U.S. Tsunami Program Manager and Director, National Weather Service Pacific Region describes U.S. Tsunami Program.
- 10:05 **How the federal/state partnership works and how the data is used:**
credit: Alaska Sea Grant for the following 4 segments 10:17-12:25
- 10:17 Dr. Frank Gonzalez, Physical Oceanographer, NOAA/Pacific Marine Env. Lab.
- 10:43 Dr. Eddie Bernard, Director, NOAA/Pacific Marine Environment Lab.
- 11:05 Dr. Roger Hansen, Alaska State Seismologist, Univ. of Alaska at Fairbanks Geophysical Institute
- 12:00 Paul Whitmore, Geophysicist in Charge, West Coast/Alaska Tsunami Warning Center
- 12:25 **Footage of Tsunami Detection Buoy deployment** & animation showing how data is transmitted to the U.S. Tsunami Warning Centers in Hawaii & Alaska

U.S. TSUNAMI WARNING CENTERS IN HAWAII AND ALASKA –

Richard H. Hagemeyer Pacific Tsunami Warning Center, Ewa Beach, HI

- 13:00 Dr. Charles "Chip" McCreery, Geophysicist in Charge: mission & procedures.
- 14:37 McCreery: difference between a tsunami advisory, watch, warning
- 16:00 McCreery: local tsunami warnings in Hawaii
- 17:54 McCreery: distant tsunami warnings in Hawaii
- 19:25 McCreery: issues tsunami advisory over civil defense hotline (HAWAS)
- 21:02 McCreery: local tsunami threat in Hawaii & PTWC procedures (*Roll-ins include building & grounds, adjacent government quarters, McCreery riding bicycle to work, operations area, close up of computer products and urgent local tsunami text, making announcement over civil defense hotline, NOAA Weather Radio*)
- 25:50 Hawaii siren; audio of siren. (*Graphic with voiceover emergency message*)
- 26:46 PTWC operations area (during actual alarm; communications satellite was down; geophysicists contact U.S. weather offices via satellite phone and regular phone to make sure message is received for earthquake in the western Pacific)
- 28:58 Seismograms from Dec. 26 earthquake in Sumatra
- 30:06 Outside shots: PTWC grounds, building, satellite dishes
- 31:28 Ewa Beach Park: people in the water, houses on the beach

West Coast and Alaska Tsunami Warning Center, Palmer, Alaska

Credit: Alaska Sea Grant

- 32:40 Operations Area. Geophysicist in Charge Paul Whitmore and staff geophysicists analyze data.
- 33:15 Earthquake triggers alarm (simulated). *(audio & close up)*
- 33:30 Water level data from tide gauges
- 33:58 Seismograms from West Coast stations
- 34:24 Tsunami travel time and wave height data. *(Information is used when making decision to issue watch and warning)*
- 36:00 Geophysicist reads tsunami information bulletin to Alaska Emergency Managers & warning points.
- 37:17 Outside shots: Building and grounds, signage, satellite dishes.

UNESCO IOC INTERNATIONAL TSUNAMI INFORMATION CENTRE (ITIC)

- 39:29 Dr. Laura Kong, Director: ITIC mission and activities; tsunami characteristics

NOAA TSUNAMI READY PROGRAM

- 42:30 Dr. Charles “Chip” McCreery, Geophysicist in Charge, Pacific Tsunami Warning Center: one of the best ways a community can prepare

TSUNAMI READY COMMUNITY – CANNON BEACH, OREGON

- 43:50 TsunamiReady sign on the highway at the Cannon Beach Exit
- 44:16 TsunamiReady sign posted at the beach; wave action & sea stacks in the background.
- 44:36 Tyree Wilde, National Weather Service Warning Coordination Meteorologist, Portland, Oregon ID. Wilde explains the TsunamiReady Program and how it has helped Cannon Beach be better prepared. Describes Cannon Beach unique siren program.
- 48:03 Alfred Aya, Cannon Beach Fire District ID. Aya describes procedures for monthly warning system called COWS or Community Warning System.
- 49:10 Cannon Beach Siren Test – Community Warning System (COWS) *(Audio of cow mooing)*. Main Street, reactions of visitors.
- 50:35 Jay Wilson, Oregon Emergency Management Earthquake & Tsunami Program Coordinator ID. Wilson: tsunami threat & safety tips.
- 51:25 Siren at Cannon Beach, Oregon *(no audio)*
- 51:50 Inside Cannon Beach Rural Fire Dept. District Office & Communications Room with close up of siren controls. Cleve Kooper, Fire Chief, explains procedures following notification of tsunami warning which they receive via cell phone, NWR, fax, EMWIN.
- 53:06 Pictures of 1964 earthquake and tsunami damage in the Cannon Beach area provided by local resident Dolly Hutchinson.

TSUNAMI READY COMMUNITY – SEWARD, ALASKA

- 54:10 Jeffery Austin, Seward Deputy Fire Chief, describes the Tsunami Ready Program achievements in the Seward area. *(Roll-ins include siren test)*

Credit: Alaska Sea Grant

TSUNAMI SAFETY TIPS - AUDIO ONLY

- 55:19 Dr. Laura Kong, voiceovers
- 57:25 **End**

CREDITS: NOAA, UNESCO/IOC ITIC, unless otherwise noted.