



Volume 1, Number 9, September, 1999

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September is Weather Radio Awareness Month in Washington

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Washington State Governor Gary Locke has proclaimed September as Weather Radio Awareness Month in the state. The goal of the awareness campaign is to have weather radios become as common as smoke alarms in homes and businesses through the state to help save lives and property from natural and man-made hazards.

Weather Radio is a service from the National Weather Service (NWS), a part of NOAA, the National Oceanic and Atmospheric Administration. The weather radio awareness month campaign is a partnership between the NWS and Washington State Emergency Management.

Weather Radio Features

Weather Radio has many features. Weather radio is an "all-hazards" warning system, used not only for flood and weather-related events, but also hazards like tsunamis, volcanics activity, and hazardous releases. Many weather radio models have a warning alarm feature, instantly alerting the listener to the fast-breaking warning message around the clock. Weather radios use batteries in case of power outages. These radios are a part of all home and business disaster preparedness plans, including Y2K.

Weather radio is an integral part of the Emergency Alert System (EAS), providing broadcasters and the public with emergency warning information. Weather radio broadcasts the latest weather forecasts and conditions 24-hours a day on over a dozen stations in Washington, broadcasting on VHF-FM between 162.40 and 162.55 MHz.

Awareness Month Activities

Besides Governor Locke's Proclamation as Weather Radio Awareness Month, there are several other awareness month activities. A public service announcement about NOAA Weather Radio featuring Vice President Gore will be broadcast by area media. Awareness materials will be distributed to schools and the emergency preparedness community. In addition, discounts or incentives on weather radios will be offered by selected weather radio manufacturers.

For more information about the Weather Radio Awareness Month campaign, visit the web site on the Washington State Emergency Management home-page at www.wa.gov/mil/wsem/ and visit "What's New".

Tsunami News

The Earthquake and Tsunami in Turkey

The official death toll from the August 17th earthquake in Turkey rose to 14,936 people (according to the Associated Press, Sept. 5, 1999) and Turkish authorities expect that grim number to exceed 20,000. (see <http://www.bergen.com:80/morenews/quake05199909052.htm>)

The U.S. Geological Survey's web site includes reports and photos about that event at <http://quake.wr.usgs.gov/study/turkey/index.html> EQE also reports on that event on their web site, at <http://www.eqe.com>.

The earthquake also generated a local tsunami. A preliminary report on that is at this very long address: <http://www.tsunami.civil.tohoku.ac.jp/hokusai2/topics/tsunami-news/99IZMIT/main-99IZMIT.htm>

TsuInfo Alert

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This publication is free upon request and is available in print (by surface mail) and electronically (by e-mail). *TsuInfo Alert* and the TsuInfo document delivery program are made possible by a grant from the Federal Emergency Management Agency via the Washington Military Department, Division of Emergency Management.

Participants in the TsuInfo program can request copies of reports listed in this issue from:

Library

Washington Department of Natural Resources

Division of Geology and Earth Resources

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WASHINGTON STATE DEPARTMENT OF
Natural Resources

Jennifer M. Belcher - Commissioner of Public Lands

E-MAIL LISTS/NEWSLETTERS/DISCUSSION GROUPS FOR EMERGENCY MANAGERS

compiled by
Lee Walkling

The Internet provides many opportunities for people of similar professions or interests to communicate about common concerns, questions, and projects. One method is electronic discussion groups (also known as mailing lists, listservs, and email lists).

These special interest mailing lists are maintained by software which automatically routes an email message from one member of a list to all other members of the same list. Often the lists are moderated by a list owner who filters incoming messages, usually to determine if the content is pertinent to the group's interests.

When you subscribe to a list, your name and email address is automatically added to the list. To subscribe, you must send an email to the listserv address (list manager), leaving the subject line blank, with a message SUBSCRIBE [name of list] [your first name] [your last name]. You will receive an emailed letter of welcome, usually detailing the rules and commands for that list. Keep a copy!

From then on, you will receive all postings sent to the list by its members. You can follow the discussion, join in, or post a question. You may choose to respond to the entire list or to a single member. If you want to respond to an individual, you must use their own email address, not the discussion group address. You may unsubscribe at any time.

Please remember that every list has two addresses: 1) the list manager address to which you send commands (subscribe, unsubscribe, etc.). Only the software sees these messages; and 2) the list address for posting messages to the group.

(list downloaded 8-25-99 from: <http://www.colorado.edu/hazards/sites/lists.html>):

Animals-in-Disasters List - subscribe by sending an e-mail message to listserv@listserv.aol.com, with no subject in the subject line, and the message "subscribe animals-in-disasters [your real name]" in the body of the message.

CCEP News E-Zine (the Canadian Centre for Emergency Preparedness free weekly e-mail magazine) - subscribe by completing the registration form at <http://www.ccep.ca>.

CEPRENAC - the Center for Prevention and Coordination of Disaster in Central America publishes a weekly, Spanish-language e-mail bulletin for the Central American Disaster community. To subscribe, send an e-mail message to cepreden@sinfo.net.

The Connection Newsletter - <http://www.naem.com/connection.html> comprises articles by people involved in community disaster preparedness on a daily basis. Its aim is to share good ideas about civilian disaster preparedness programs. The first edition provides background information and a sampling of exiting programs from around the country.

CSAR (computers in search and rescue) - subscribe by sending an e-mail message to csarreq@hpasdd.mayfield.hp.com with the command in the body of the message: subscribe CSAR [Your name] [Agency or SAR affiliation, if applicable]

DESASTRES-CA (a list, primarily in Spanish, for disaster managers and others concerned about hazards in Central America) - subscribe by sending an e-mail message to majordomo@ops.org.ni with the single command in the body of

the message: "subscribe desastres-ca [your e-mail address]."

Disaster Grads (a discussion list intended for informal discussion and information sharing among students - both graduate and undergraduate - who do research in the area of hazards and disasters) - subscribe by sending e-mail to listproc@lists.colorado.edu, and in the body of the message write "subscribe disaster_grads [your first name] [your last name]." For more information about this service, contact Alice Fothergill, Natural Hazards Information Center, Campus Box 482, University of Colorado, Boulder, CO 80309-0482; e-mail: alice.fothergill@colorado.edu.

DisasterInfo (disaster information relevant to the Americas from the Pan American Health Organization) - subscribe by sending an e-mail message to DisasterInfo@paho.org containing your postal and e-mail addresses.

Disaster Research (DR) (published by the Natural Hazard Center) - covers not only disaster research, but recent policy developments, new institutions and information sources, training and conferences and provides a means for subscribers to post queries to the entire readership of over 2,000 subscribers). An on-line subscription form is available from this Web site; or you can subscribe by sending an e-mail message to listproc@lists.colorado.edu with the single command in the body of the message: "subscribe hazards [your name]."

EMERCAN (a list for the Canadian emergency preparedness community) - subscribe by sending an e-mail message to listserv@hoshi.cic.sfu.ca with the single command in the body of the message: "subscribe emergan [first name, last name]."

Emergency Information Infrastructure Partnership (EIIP) hosts several e-mail discussion lists through its Emergency Management Forum (EMForum), including:

academia@emforum.org - research, reference sources, higher education

business@emforum.org - contingency planning and business continuity

eiip@emforum.org - notification of EIIP events and activities

firefighting@speccomm.com - Firefighting.Com &

Associates News

government@emforum.org - opinions, comments about

government roles

highered@emforum.org - in support of the Federal

Emergency Management Agency's Higher Education program

fostering educational programs in emergency management at

post-secondary institutions

mitigation@emforum.org - implementing "Disaster Resistant

Communities"

postings@emforum.org - the EIIP monthly newsletter

preparedness@emforum.org - planning, training, exercises,

evaluation

professional@emforum.org - jobs, conferences,

announcements, educational opportunities

recovery@emforum.org - issues in public and individual

assistance programs

response@emforum.org - serving the public during the first

critical hours

technology@emforum.org - issues in emergency information

technology

volunteers@emforum.org - vital contributions of volunteers, NGOs

actnow@emforum.org - FEMA's Act Now Preparedness Updates

firelist@speccomm.com - National Fire & Rescue News

To subscribe to any of these discussions, see the EMForum Web site - <http://www.emforum.org>.

EMERGENCY-MANAGEMENT (an e-mail discussion list for anyone interested in the protection of local communities from hazards and resulting emergencies) - subscribe by sending an e-mail message to listserv@zipcode1.office.aol.com with the single command in the body of the message: "subscribe emergency-management [your real name]."

EMERG-L (emergency services list) - subscribe by sending an e-mail message to listserv@bitnic.educom.edu with the single command in the body of the message: "subscribe EMERG-L [your name]."

EMERG-UNIV (the University and College Emergency Planning List) - send messages to emerg-univ@julian.uwo.ca. The list is manually managed; to subscribe, send an e-mail message to emerg-univ-request@julian.uwo.ca, with the subject: "subscribe" and a short note in the body of the message stating your full name, interests, affiliation, and signature information. Complete details about this campus emergency management list are available from <http://www.uwo.ca/emerg/list.html>.

Federal Emergency Management Agency's Community & Family Preparedness Program (CFP) exists to encourage and support the growing community of professional disaster preparedness educators - emergency managers, firefighters, volunteers, teachers, and the many others who lead community and family disaster preparedness efforts around the country. The CFP works with such national partners as the American Red Cross, the International Association of Emergency Managers, the National Emergency Management Association, the National Weather Service, and others, including hundreds of community-based programs organized in and outside of government. To support its mission, the CFP now publishes its newsletter, Act Now Updates, via e-mail. Persons interested in receiving the Update can subscribe via <http://www.speccomm.com:81/guest/RemoteListSummary/actnow>. Current and previous issues are available on the World Wide Web at <http://www.emforum.org/vlibrary/actnow.htm>. The program will also soon be instituting a separate, dedicated e-mail discussion list for CFP issues; interested persons can subscribe via <http://www.speccomm.com:81/guest/RemoteListSummary/CommunityPrep>. You can also post your ideas or inquiries by addressing e-mail to cfp@emforum.org.

FEMA E-Mail News Service - subscribe by sending an e-mail message to majordomo@fema.gov with the single command in the body of the message: "subscribe news."

Flood Hazard Mitigation Group - to subscribe, see <http://www.egroups.com/info/help.html>, or contact James Cohen, PE, PIM Fellow; (609) 730-0510; fax: (609) 730-0511; e-mail: jccpc@msn.com

GIS GROUP (a list for hazards GIS researchers and users) - subscribe by sending an e-mail message to majordomo@violet.berkeley.edu with the single command in the body of the message: "subscribe gis_group."

HAZMIT - (a mailing list for the global hazard mitigation community, covering both natural and anthropogenic disasters) - subscribe by sending an e-mail message to hazmit-request@mitigation.com with the command "subscribe" in either the subject

or body of the message. Alternatively, subscribe via the Web page <http://www.mitigation.com/listserv.htm>.

This World Wide Web site includes sections with news, articles and editorials, resources, discussion boards, listserves, and employment opportunities.

Ice-Snow-Hail Hazard Mitigation Group - to subscribe, see <http://www.egroups.com/info/help.html>, or contact James Cohen, PE, PIM Fellow; (609) 730-0510; fax: (609) 730-0511; e-mail: jccpc@msn.com.

The Lightning-Safety Mailing List (an automated, unmoderated discussion regarding lightning and lightning safety issues) - to join, see: <http://www.findmail.com/lightning-safety> -or- <http://www.lightningsafety.com>. For additional information, contact: rich@lightningsafety.com.

MedicCom Web site (<http://mediccom.org>) is host to a number of disaster-related mailing lists. Archives of these mailing lists can be read on-line by entering the BBS part of the Web pages. You can subscribe to these lists from the Web site. Lists include:

SITREPS (situation reports compiled from several sources)

DMATCOMM (for members of the National Disaster Medical System Disaster Medical Assistance Teams [DMATs] who deal with communications)

DMATNEWS (for members of National Disaster Medical System DMATs)

HAZMED (ideas and information about hazardous materials emergency response and medical and hospital response)

TERRORISM (discussion about terrorism response and prevention)

DISMED (discussion about disaster medicine and related issues)

MCI-TALK (discussion about the Incident Command System, methods and practices of handling multiple casualty incidents, and other emergency management issues)

You can also subscribe to these mailing lists by sending e-mail to the automated listserv processor, listserv@mediccom.org with the message, "subscribe [list name]."

Natural-Hazards-Disasters (an e-mail discussion list for anyone interested in natural hazards and disasters) - subscribe by sending an e-mail message to mailbase@mailbase.ac.uk with the command in the body of the message: "join natural-hazards-disasters [your first name, your last name]."

Networks in Emergency Management (Nets) (focuses on computer networks and networking in emergency management) - subscribe by sending an e-mail message to majordomo@sfu.ca with the single command in the body of the message: "subscribe nets-em [your e-mail address]."

OFDA-L (U.S. Agency for International Development Office of Foreign Disaster Assistance list with reports on disasters in which OFDA is involved) - subscribe by sending an e-mail message to listproc@info.usaid.gov with the single command in the body of the message: "subscribe OFDA-L [your name]."

PEDECU@ECNET.EC (a list, primarily in Spanish, for persons concerned about hazards in South America) - for more information, contact pedecu@ecnet.ec.

PRIMAtalk (an unmoderated e-mail discussion list to promote discussion of risk management in the public sector - from the Public Risk Management Association) - subscribe by sending an e-mail message to majordomo@atlantech.net with the single command in the body of the message: "subscribe prima-talk." The server will send a confirmation of your subscription and information about list usage.

QUAKE-L (all things seismic, especially current, ongoing disasters) - subscribe by sending an e-mail message to listserv@listserv.nodak.edu with the single command in the body of the message: "sub QUAKE-L [firstname, lastname]."

Response/Recover Group - to subscribe, see <http://www.egroups.com/info/help.html>, or contact James Cohen, PE, PIM Fellow; (609) 730-0510; fax: (609) 730-0511; e-mail: jccpc@msn.com.

RISKANAL (Society for Risk Analysis list) - subscribe by sending an e-mail message to listserv@listserv.pnl.gov with the single command in the body of the message: "subscribe riskanal [your name]."

RISKWeb (a Web-based discussion list that supports global conversation of risk and insurance issues. See <http://www.riskweb.com>.

SAR COMM (an e-mail list for anyone interested in search and rescue communication issues) - see <http://www.onelist.com/subscribe.cgi/sarcomm> or e-mail w9sar@amsat.org requesting a subscription.

SAR-L (an e-mail list for search and rescue personnel) - subscribe by sending an e-mail message to SAR-L-request@islandnet.com with the single command in the body of the message: "subscribe SAR-L [your name]."

U.S. Geological Survey (USGS) has established several e-mail lists that will automatically provide subscribers with the latest news releases, bulletins, and other information about USGS activities as issued by the Survey's Office of Outreach. The listserves are organized by topic: water-pr, geologic-hazards-pr, biological-pr, mapping-pr, products-pr, lecture-pr

To subscribe to any of these lists, send an e-mail message to listproc@listserver.usgs.gov and in the body of the message type: "subscribe [name of list] [your name]."

Wind Hazard Mitigation Group - to subscribe, see <http://www.egroups.com/info/help.html>, or contact James Cohen, PE, PIM Fellow; (609) 730-0510; fax: (609) 730-0511; e-mail: jccpc@msn.com

WSSPC-L (a list managed by the Western States Seismic Policy Council) - to subscribe, send an e-mail message to majordomo@nisee.ce.berkeley.edu with the single command in the body of the message: "subscribe wsspc-l [your e-mail address]."

Y2K Emergency Management (a list maintained by the International Association of Emergency Managers for discussion of Y2K issues of relevance to local emergency managers) - subscribe by sending e-mail to majordomo@asmii.com with the message "subscribe iaem-y2k [your e-mail address]."

The following lists can be subscribed to by sending an e-mail message to [listserv name]@safnet.chigate.com with the subject "subscribe." You may also subscribe by sending a message to listserv@safnet.chigate.com with the message: "subscribe [listserv name] [user name@address]." For further information, contact dan.guenthner@safnet.chigate.com.

SAFNET-L - SAF-Net Network discussions
SAFETY-L - occupational safety and health issues
HAZMAT-L - hazardous materials issues
FIREMEN-L - discussions re: firefighting and equipment
SALEM-L - state and local emergency management

MEDICAL-L - medical discussion, all are welcome
POLICE-L - law enforcement discussions

Usenet Newsgroups

Some pertinent Internet newsgroups include:
alt.disasters.misc - general disaster issues
misc.emerg-services - EMS/first response
alt.disasters.planning - emergency planning and management
alt.disasters.aviation - aviation disasters
alt.disasters.earthquake - earthquakes
sci.med.emergency - medical emergencies
alt.med.ems - EMS issues
slac.emergency.operations - emergency service discussions

(from : Natural Hazards Center, Campus Box 482,
University of Colorado, Boulder, CO 80308-0482,
<http://www.colorado.edu/hazards>

Infrequently Asked Questions

compiled by
Lee Walking

What is the IDNDR and what should I do about it?

In 1987 the United Nations proclaimed the 1990's "The International Decade for Natural Disaster Reduction," to foster worldwide cooperation. If no natural disasters happen in your vicinity for the next 90-plus days, you can chose the option of ignoring the Decade. It will be over December 31, 1999. However, it would be wise to acquaint yourself with the range of hazards that happen in your area, and make plans for each possibility.

To quote from the United Nation's website (<http://www.un.org/events/refpap37.htm> on 1-26-99), "The Decade's aim is to reduce, through concerted international action, especially in developing countries, loss of life, damage, and social and economic disruption caused by natural disasters, such as earthquakes and floods. Among its goals are: to improve the capacity of countries to mitigate the effects of natural disasters, including by establishing early-warning systems; to foster scientific and engineering knowledge in order to reduce loss of life and property; and to develop measures for assessing, predicting, preventing and mitigating natural disasters through technical assistance, technology transfer, demonstration projects, education and training. The Geneva-based secretariat for the Decade is under the authority of the Office of the Emergency Relief Coordinator."

Annually, the U.N. declares the second Wednesday of October "International Day for Natural Disaster Reduction." This year it is to be held on October 13th.

TsuInfo Alert is on the Web!

The July and August issues of *TsuInfo Alert* are now on the Web, thanks to Dave Ryder at the Washington Emergency Management Division. The July issue is at <http://www.wa.gov/mil/wsem/4-p&r/tsunami/alert7-99.htm> and the August issue is at <http://www.wa.gov/mil/wsem/4-p&r/tsunami/alert8-99.htm>

New Tsunami Mitigation Materials, August, 1999

compiled by

Connie J. Manson

Note: Free reprints of these materials are available. (See page 2 for ordering information)

Natural Hazards and Tsunami Hazard Mitigation

Atwater, B. F.; Yelin, T. S.; Weaver, C. S.; Hendley, J. W., II, 1995, Averting surprises in the Pacific Northwest: U.S. Geological Survey Fact Sheet 111-95, 2 p.

A brief, well illustrated discussion of earthquake hazards and mitigation in Washington and Oregon.

Celebi, Mehmet; Page, R. A.; Seekins, Linda, 1995, Building safer structures: U.S. Geological Survey Fact Sheet 167-95, 2 p.

A brief, well illustrated examination of construction standards for earthquake resistance.

Drabek, T. E., 1994, Disaster evacuation and the tourist industry: University of Colorado Institute of Behavioral Science Program on Environment and Behavior Monograph 57, 268 p.

How do hotel and restaurant industry managers (and others) respond to natural disasters? What are the impacts on their businesses? Highly recommended for local government officials, emergency managers, and business owners in at-risk communities.

Drabek, T. E., 1996, Disaster evacuation behavior--Tourists and other transients: University of Colorado Institute of Behavioral Science Program on Environment and Behavior Monograph 58, 354 p.

How do tourists react to natural disasters? How is that different from local residents? Highly recommended for local government officials, emergency managers, and business owners in at-risk communities.

Earthquake Engineering Research Institute, 1999, Lessons learned over time: Earthquake Engineering Research Institute Learning From Earthquakes Series, 110 p.

Case studies from recent earthquakes, primarily in California. Recommended for local emergency managers and government officials.

Ingleton, Jon, editor, 1999, Natural disaster management--A presentation to commemorate the International Decade for Natural Disaster Reduction (IDNDR) 1990-2000: Tudor Rose [Leicester, U.K.], 320 p.

Includes a succinct article about current tsunami hazards and mitigation, by Eddie Bernard.

Highly recommended for for emergency managements and government officials.

National Academy of Public Administration, 1999, Legal limits on access to and disclosure of disaster information: National Academy of Public Administration, 1 v. (downloaded 7/20/99 from <http://www.napawash.org/napa/index/html>)

The legal implications of disclosing disaster information. Highly recommended for local government officials.

U.S. Federal Emergency Management Agency, 1998, Property acquisition handbook for local communities: U.S. Federal Emergency Management Agency, 3 v.

A guide to buying at-risk properties, as a hazard mitigation measure. (See review, p. 8 of this issue.) Highly recommended for local government officials.

Regional Studies

Alaska

Hansen, R. A.; Combellick, R. A., 1998, Planning scenario earthquakes for southeast Alaska: Alaska Division of Geological and Geophysical Surveys Miscellaneous Publication 34, 5 p., 1 plate.

Harding-Lawson Associates, 1979, rev. 1997, Seismically induced ground-failure susceptibility, Anchorage, Alaska --Digitally recompiled with 1993-1994 revised topography, by S. M. Weems and R. A. Combellick: Alaska Division of Geological and Geophysical Surveys Miscellaneous Paper 32, 1 sheet, scale 1:25,000.

British Columbia

Wigen, S. O.; White, W. R. H., 1964, Tsunami of March 27-29, 1964 west coast of Canada: Canada Department of Mines and Technical Surveys, 14 p.

California

Humboldt Earthquake Education Center, 1998, Living safely in your schools on California's north coast: Humboldt Earthquake Education Center, 18 p.

Hawaii

Heliker, C. C., 1992, Volcanic and seismic hazards on the island of Hawaii: U.S. Geological Survey, 48 p.

Papua New Guinea

Dengler, L. A.; Preuss, Jane, 1999, Reconnaissance report on the Papua New Guinea tsunami of July 17, 1998: Earthquake Engineering Research Institute EERI Special Earthquake Report, 8 p.

Tappin, D. R.; Matsumoto, Takeshi; Watts, Phil; Satake, Kenji; McMurtry, G. M.; Matsuyama, Masafumi; Lafoy, Yves; Tsuji, Yoshinobu; and others, 1999, Sediment slump likely caused 1998 Papua New Guinea tsunami: Eos (American Geophysical Union Transactions), v. 80, no. 30, p. 329, 334, 340.

Technical Research

Nabelek, J. L., 1991?, Rupture characteristics of large earthquakes along the Juan de Fuca subduction zone using historical seismograms; Final report: Oregon State University [under contract to] U.S. Geological Survey, 7 p.

Shennan, Ian; Innes, J. B.; Zong, Yongqiang; Long, A. J., 1994, A litho- and biostratigraphic evaluation of the coseismic subsidence and interseismic strain accumulation in the Washington and Oregon part of the Cascadia subduction zone: University of Durham [under contract to] U.S. Geological Survey, 26 p.

Toki, Kenzo, editor, 1996, Multi-language glossary on natural disasters: Japan National Committee for International Decade for Natural Disaster Reduction, 490 p.

Directories

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second position not filled at publication date

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FAX (360) 902-1785
email: tim.walsh@wadnr.gov

STATE EMERGENCY MANAGEMENT OFFICES

For general emergency management information, contact:

Alaska Division of Emergency Services
Department of Military & Veterans Affairs
P.O. Box 5750
Fort Richardson, Alaska 99505-5750
(907) 428-7039
FAX (907) 428-7009
<http://www.ak-prepared.com/>

California Office of Emergency Services
2800 Meadowview Road
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BOOK REVIEWS

by
Lee Walkling

Property Acquisition Handbook for Local Communities (FEMA 317) 1998. free.

This is a 'how to' guide to help communities implement one specific mitigation alternative--property acquisition or 'buyouts.' It is in four parts, representing the four phases of the property acquisition process: 'To Buy or Not to Buy,' 'Application,' 'Implementation,' and 'Open Space Management.' An accompanying 'Toolkit' contains forms and other tools to aid the acquisition process." (*Natural Hazards Observer*, May 1999) The handbook is very thorough and provides time-saving information in an easy-to-use format.

Although the handbook was designed for floodplain buyouts, the process for shoreline or inundation areas is the same. FEMA sponsors the Hazard Mitigation Grant Program, as well as the Flood Mitigation Assistance Program. Those programs are explained before the reader is guided through the property acquisition process. The handbook's preface (p. v) states, "Property acquisition is effective because it is a *permanent* form of mitigation. It makes FEMA funds available to you for buying property in flood-prone areas, and dedicating that property to use as open space for all time. It enables you to remove people from harm's way...forever. In that way, it reduces future emotional and financial costs associated with your community's disaster response, recovery, and repair."

Phase 1 (To Buy or Not to Buy) lists the criteria for projects funded under HMGP, the costs and benefits of such projects, sources of funding, types of property acquisition, methods of property acquisition, property owner concerns, and the steps to get the project started, if it turns out to be the most viable alternative. Each Phase has a corresponding section in the Toolkit, which provides samples, checklists, forms, sample letters, and examples for each step of the acquisition process...an invaluable resource.

Phase 2 (Application) gives a step-by-step plan for developing a sub-grant application. Because of the precise instructions, communities can create applications that are complete and correct the first time, saving time by avoiding endless revisions. Phase 3 (Implementation) explains what is expected once the sub-grant has been approved, provides guidance through the actual acquisition of

property, and tells how to administer the FEMA funds. Phase 4 (Open Space Management) is the long term plan for the acquired property. "Federal law requires that property acquired under the Hazard Mitigation Grant Program (HMGP) must be *forever dedicated and maintained as open space.*" (p. IV-1) Situations are different in every community, so this chapter helps with decision-making. The handbook also includes a glossary, an index, and a section of reproducible forms.

Print copies of the handbook can be ordered from FEMA (800- 480-2520) or downloaded, using Adobe Acrobat Reader, from (<http://www.fema.gov/mit/handbook/index.html>).* Adobe Acrobat Reader is provided on the web page for those who don't already have it. The print copy includes a Property Acquisition Process wall poster which illustrates the steps for each of the four phases.

*I had difficulty using this URL; I went to <http://www.fema.gov/search/srchjs.htm> and typed in the title of the report. That took me to the handbook.

Discovery Recovery Yellow Pages. 1999. Systems Audit Group, Inc. 320 pp. \$98.00

This directory was designed to help users locate recovery services throughout the United States and Canada. It contains over 3,000 vendors and covers over 350 categories...from drying microfilm records to trauma counseling. The information is divided into five sections: restoration services, mobile buildings, computer and emergency equipment, planning and data recovery software, and training publications and videos. The directory also includes an alphabetical index of companies and a tutorial on disaster recovery planning. It sells for \$98.00 plus \$3.00 shipping; order from: Systems Audit Group, Inc., 25 Ellison Road, Newton, MA 02459; phone (617) 332-3496, fax (617) 332-4358, or email dryp@javanet.com Regular updates are also available.

(from: May 1999, *Natural Hazards Observer*)



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