

## HOW DO I GET MY COMMUNITY TO ACT?

Having read in this handbook about the seismic hazards and risks in various parts of the United States, you are probably trying to decide where your community fits in. This chapter is designed to help you determine the risk at your specific location and formulate an action plan that will fill your local needs.

Building on the advice presented in earlier chapters, a series of steps are described here to help you develop a practical and effective approach to reducing your community's exposure to seismic hazards.

### KNOW YOUR COMMUNITY'S RISK

To determine your community's seismic risk, you need to take into account:

- The nature of the earthquake hazard as determined by scientists,
- The extent to which your community is aware of and informed about seismic hazards,
- The extent of education and mitigation efforts already made, and
- The degree of risk that your community will be willing to accept.

To help you define your community's seismic situation, consult such groups as:

- Local geologists, geophysicists, and seismologists (at local academic institutions or in private practice),
- State geologists,
- The regional offices of the U.S. Geological Survey and the Federal Emergency Management Agency,
- The national earthquake information centers, and
- State and regional seismic safety organizations.

Once you determine that your community is at moderate to high risk from earthquake and related hazards (e.g., landslides), go on to the next step.

## BECOME FAMILIAR WITH YOUR LOCAL BUILDING REGULATIONS

Find out if they provide for seismic protection. If they do, determine what level of protection is provided and how that level was established. If your local building code does not provide for seismic protection or if it does not provide adequately for such protection, discuss your concerns with:

- Your local building officials, and
- Knowledgeable members of local chapters of professional societies and organizations, and academic institutions.

During such discussions, identify the possible impacts on various segments of your community of introducing new or improved seismic provisions into the regulations. Establish, insofar as possible, who will benefit and, therefore, most likely favor improved code regulations and who will be adversely affected and opposed. Try to determine if the concerns are real or imaginary.

If by now you believe that your community is at risk but have found that, for one reason or another, the responsible officials have not taken appropriate action, you will have to step up efforts to increase awareness of the seismic risk in your community.

## ORGANIZE, INFORM, AND EDUCATE

As was explained in Chapter 5, even in some cities without seismic codes, some individuals, organizations, and companies have already taken steps to increase seismic safety, and they may provide the core of a group of actively interested persons. It also might be wise to link up with adjacent and nearby jurisdictions to develop a network of communities (as well as counties and states if appropriate) in a seismic zone to engage in cooperative, comprehensive seismic safety planning.

In the past few years, a number of state and regional seismic organizations have sprung up to address the geophysical and other conditions that exist in the various seismic zones in the United States. For example, the Central United States Earthquake Consortium (CUSEC), based in Marion, Illinois, was organized recently to promote understanding of the Mississippi Valley seismic zone and to foster seismic safety efforts in the 7 states and 24 major cities that are included in that zone. Two other site-specific organizations are the Southeastern United States Seismic Safety Consortium headquartered in Charleston, South Carolina, and the Tennessee Earthquake Information Center, based in Memphis.

The many other state, regional, and national seismic organizations can provide you with contacts and scientific, educational, and organizational advice. These organizations are listed in Chapter 7.

The building process participants and seismic safety proponents meeting with the BSSC committee emphasized that three groups must be made aware

of seismic issues if an effort to change a community's seismic safety policy is to be successful:

- Public officials.
- Building community professionals (engineers, architects, etc.), and
- The general public.

These three groups can be informed and educated through articles and reports, through meetings and conferences, through video tapes and computer software, through direct and indirect technical assistance, and in a variety of other ways. The important points are that:

- You develop a coordinated approach to informing and educating them.
- You provide information and education in a manner understandable to the specific group being addressed.
- You develop information and education materials that are tailored to fill each group's specific needs.

Public officials can be addressed through such organizations as the U.S. Conference of Mayors, the National League of Cities, the International City Management Association, the National Association of County Officials and organizations of functional specialists such as city planners, financial officials, and community development specialists.

A good way to educate and inform building community professionals is to work through the local chapters of professional associations or societies like the American Institute of Architects, the American Society of Civil Engineers, the Associated General Contractors of America, and the American Consulting Engineers Council. The various building product organizations and the model code groups also can be helpful.

The general public can be approached through special purpose seismic organizations, through the local media, and through existing organizations such as public interest groups, voluntary agencies, and other benevolent groups (e.g., PTAs and PTOs, civic clubs, fraternal organizations, the League of Women Voters, and scouting organizations).

If the general public and the various building professionals in your community become fully aware of the seismic situation and conclude that the benefits to be derived from increased protection through building regulation are worth the costs, they can and most likely will be strong advocates when you proceed to the next step.

#### MOTIVATE YOUR LOCAL PUBLIC LEADERS

Local elected and appointed officials play an especially important role in seismic safety efforts. Their attitude with respect to seismic hazard

mitigation will be of critical importance in achieving seismic safety objectives. It is therefore essential that the means of educating them about seismic issues be well thought out and that they be approached at the right time.

The four BSSC interactive meetings shed some light on the degree of interest in seismic safety of elected and appointed officials.<sup>7</sup> Seismic safety code regulations did not appear to be an issue of high priority for the chief elected and appointed officials and executives of any of the cities and counties visited. The chief officials in the building departments represented at the four meetings appeared to reflect a full array of positions from pro to con regarding the adoption and/or enforcement of seismic safety code requirements.

The general consensus of opinion at the four BSSC meetings was that a movement to promote improved seismic safety for new buildings will be successful only if it has sufficient "grass roots" support to stimulate public leaders to act. In fact, the seismic safety movements in all four communities visited reflect such a "bottom up" approach, and the Charleston meeting participants urged that public officials not even be approached until a united front has been developed by other segments of the community including researchers, academicians, engineers, architects, voluntary agencies, and public interest groups.

#### INFORMATION SOURCES

In addition to the information sources identified above, the papers by Beavers and Ward in the selected readings volume provide some details concerning current practices in earthquake preparedness and mitigation and management of state and local earthquake safety programs.

Information focusing primarily on the local public policy aspects of seismic safety is included in Rubin's paper in the selected readings volume and in the following publications:

Lambright, W. Henry. 1982. "Policy Innovation in Earthquake Preparedness: A Longitudinal Study of Three States." Paper prepared for presentation at the Annual Meeting of the American Political Science Association, Denver, Colorado, September 2-5.

Lambright, W. Henry. N.d. Agenda Setting for Earthquake Preparedness: Lessons for New York State. Unpublished paper. (Contact the author at Syracuse Research Corporation, Merrill Lane, Syracuse New York 13210-4080.)

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<sup>7</sup>Although these four situations are not fully representative of all possible situations in communities throughout the United States, they probably are typical. In fact, the observations about local public leaders made on the basis of the four meetings are very much in keeping with the empirical studies of seismic mitigation efforts in California conducted by Wyner and Mann and Nilson and Olson. Rubin's paper in the selected readings volume presents a review of recent research efforts.

Lambright, W. Henry. N.d. Earthquake Preparedness: The Dynamics of Long-Term Policy Innovation. Unpublished paper. (See the note above.)

Nigg, Joanne M., and Alvin H. Mushkatel. 1984. "Structural Policy Issues for Seismic Hazard Mitigation." Unpublished paper. Contact the authors at Arizona State University, Center for Public Affairs, Tempe, Arizona 85287.

Nilson, Douglas. 1984. "How to Gain the Attention and Commitment of Political Officials: An Earthquake Primer." In Primer on Improving the State of Earthquake Hazards Mitigation and Preparedness, edited by Paula L. Gori. U.S. Geological Survey Open File Report 84-772. Reston, Virginia: U.S. Geological Survey.

Nilson, Douglas C., and Linda B. Nilson. 1981. "Seismic Safety Planning Strategies: Lessons from California." In Earthquakes and Earthquake Engineering: The Eastern United States, edited by James Beavers. Ann Arbor, Michigan: Ann Arbor Science Publishers, Inc.

Olson, R. S., and Douglas Nilson. 1980. "Public Policy Analysis and Hazard Research: Natural Complements." Social Science Journal (fall):1-25.

Petak, William J., Editor. 1985. "Emergency Management: A Challenge for Public Administrators." Special issue of Public Administration Review (January). (This journal contains more than a dozen articles about intergovernmental relations and public administration aspects of emergency management.)

Wyner, Alan J. 1984. "Earthquake and Public Policy Implementation in California." International Journal of Mass Emergencies and Disasters 2(August).

Wyner, Alan J., and Dean E. Mann. 1983. Seismic Safety Policy in California: Local Governments and Earthquakes. Santa Barbara: University of California, Department of Political Science.

**WHERE DO I GO FOR INFORMATION?****INTRODUCTION**

This list is designed to identify potential sources of seismic safety information useful at the local level. Although the list is far from exhaustive, it does include many of the associations, organizations, and centers that provide various types of data ranging from relatively general information to specific technical guidance.

Since much information is best obtained at the local level, the reader is urged to contact local academic institutions and the local chapters of the various professional organizations.

**ORGANIZATIONS**

**American Concrete Institute**  
B.O. Box 19150  
Detroit, Michigan 48219  
(313)532-2600

**American Consulting Engineers Council**  
1015 15th Street, N.W., Suite 802  
Washington, D.C. 20005  
(202)347-7474

**American Institute of Architects**  
1735 New York Avenue, N.W.  
Washington, D.C. 20006  
(202)626-7300

**American Institute of Architects Foundation**  
1735 New York Avenue, N.W.  
Washington, D.C. 20006  
(202)626-7421

**American Institute of Steel Construction**  
400 North Michigan Avenue  
Chicago, Illinois 60611  
(312)670-2400

**American Insurance Association**  
85 John Street  
New York, New York 10038  
(212)669-0400

**American Planning Association**

1313 East 60th Street  
Chicago, Illinois 60637  
(312)947-2082

**American Plywood Association**

7011 South 19th Street  
Box 11700  
Tacoma, Washington 98441-0700  
(206)565-6600

**American Society of Civil Engineers**

345 East 47th Street  
New York, New York 10017-2398  
(212)705-7496

**American Red Cross, National Office of Disaster Assistance**

18th and E Streets, N.W.  
Washington, D.C.  
(202)857-3718

**Applied Technology Council**

2471 East Bayshore Road, Suite 512  
Palo Alto, California 94303  
(415)856-8925

**Arizona State University, Office of Hazard Studies**

Center for Public Affairs  
Tempe, Arizona 85287  
(602)965-4518

**Arkansas Earthquake Advisory Council**

Arkansas Geological Commission  
3815 West Roosevelt  
Little Rock, Arkansas 72204  
(501)663-9714

**Associated General Contractors of America**

1957 E Street, N.W.  
Washington, D.C. 20006  
(202)393-2040

**Association of Bay Area Governments**

Metro Center  
P.O. Box 2050  
Oakland, California 94606  
(415)464-7900

**Association of Engineering Geologists**

Box 506  
Short Hills, New Jersey 07078  
(201)379-7470

**Association of Major City Building Officials**

200 North Spring Street  
Los Angeles, California 90012  
(213)485-2021

**Association of the Wall and Ceiling Industries International**

25 K Street, N.E.  
Washington, D.C. 20001  
(202)783-2924

**Bay Area Regional Earthquake Preparedness Project**

Metro Center  
1018th Street, Suite 152  
Oakland, California 94607  
(415)540-2713

**Bay Area Regional Earthquake Preparedness Project Policy Advisory Board**

Assistant Director, Institute of Governmental Studies  
University of California  
109 Moses Hall  
Berkeley, California 94720  
(415)642-6722

**Battelle Human Affairs Research Centers**

4000 N.E. 41st Street  
Seattle, Washington 98105  
(206)525-3130

**Brick Institute of America**

11490 Commerce Park Drive, Suite 300  
Reston, Virginia 22091  
(703)620-0010

**Building Officials and Code Administrators, International**

4051 West Flossmoor Road  
Country Club Hills, Illinois 60477  
(312)799-2300

**Building Owners and Managers Association, International**

1221 Massachusetts Avenue, N.W.  
Washington, D.C. 20005  
(202)638-2929

**Building Seismic Safety Council**

1015 15th Street, N.W., Suite 700  
Washington, D.C. 20005  
(202)347-5710

**Business and Industry Council for Earthquake Preparedness**

Director of Emergency Planning and Office Administration  
Atlantic Richfield Company  
515 South Flower Street  
Los Angeles, California 90071  
(213)486-2535

**California Seismic Safety Commission**

1900 K Street  
Sacramento, California 95814  
(916)322-4917

**Canadian National Committee on Earthquake Engineering**

National Research Council of Canada  
Division of Building Research  
Ottawa, Ontario K1A 0R6

**Central United States Earthquake Consortium**

2001 Industrial Park Drive  
Box 367  
Marion, Illinois 62959  
(618)997-5659

**Concrete Masonry Association of California and Nevada**

83 Scripps Drive, Suite 303  
Sacramento, California 95825  
(916)920-4414

**Concrete Reinforcing Steel Institute**

933 North Plum Grove Road  
Shauburg, Illinois 60195  
(312)490-1700

**Council of American Building Officials**

5205 Leesburg Pike, Suite 1201  
Falls Church, Virginia 22041  
(703)931-4533

**Earthquake Education Center**

Baptist College  
P.O. Box 10087  
Charleston, South Carolina 92411  
(803)797-4208

**Earthquake Engineering Research Institute**

2620 Telegraph Avenue  
Berkeley, California 94704  
(415)848-0972

**Federal Emergency Management Agency, Division of Earthquakes and Natural Hazards Programs**

500 C Street, S.W.  
Washington, D.C. 20472  
(202)646-2797

**Governor's Earthquake and Safety Technical Advisory Panel**

Kentucky Division of Disaster and Emergency  
EOC Building, Boone Center  
Frankfort, Kentucky 40601  
(502)564-8600

**Governor's Earthquake Emergency Task Force**  
California Office of Emergency Services  
2800 Meadowview Road  
Sacramento, California 95832  
(916)427-4285

**Illinois Earthquake Advisory Board**  
Illinois Emergency Services and Disaster Agency  
110 East Adams Street  
Springfield, Illinois 62706  
(217)782-4448

**Indiana Earthquake Advisory Panel**  
Indiana Department of Civil Defense  
B-90 State Office Building  
100 North Senate  
Indianapolis, Indiana 46204  
(317)232-3834

**Insurance Information Institute**  
110 Williams Street  
New York, New York 10038  
(212)669-9200

**Interagency Committee on Seismic Safety in Construction**  
c/o Center for Building Technology  
National Bureau of Standards  
Gaithersburg, MD 20899  
(301)921-3377

**International City Management Association**  
1120 G Street, N.W.  
Washington, D.C. 20005  
(202)626-4600

**International Conference of Building Officials**  
5360 South Workman Mill Road  
Whittier, California 90601  
(213)699-0541

**Masonry Institute of America**  
2550 Beverly Boulevard  
Los Angeles, California 90057  
(213)388-0472

**Masonry Institute of Washington**  
925 116th Street, Suite 209  
Bellevue, Washington 98004  
(206)453-8820

**Metal Building Manufacturers Association**  
1230 Keith Building  
Cleveland, Ohio 44115  
(216)241-7333

**Mississippi Seismic Advisory Panel**

Mississippi Emergency Management Agency  
P.O. Box 4501, Fondren Station  
Jackson, Mississippi 39216  
(601)352-9100

**Missouri State Earthquake Safety Advisory Council**

P.O. Box 116  
Jefferson City, Missouri 65101  
(314)751-2321

**National Academy of Sciences, Committee on Natural Disasters**

2101 Constitution Avenue, N.W.  
Washington, D.C. 20418  
(202)334-3312

**National Association of Home Builders of the U.S.**

15th and M Streets, N.W.  
Washington, D.C. 20005  
(202)822-0200

**National Bureau of Standards, Center for Building Technology**

Room B168, Building 226  
Gaithersburg, Maryland 20899  
(301)921-3471

**National Concrete Masonry Association**

2302 Horse Pen Road  
Herndon, Virginia 20072  
(703)435-4900

**National Conference of States on Buildings Codes and Standards**

481 Carlisle Road  
Herndon, Virginia 22070  
(703)437-0100

**National Coordinating Council on Emergency Management**

3126 Beltline Boulevard  
Columbia, South Carolina 29204  
(803)765-9286

**National Elevator Industry, Inc.**

1 Farm Spring  
Farmington, Connecticut 06032  
(212)986-1545

**National Emergency Managers Association**

c/o Director  
Colorado Division of Disaster Emergency Services, EOC  
Camp George West, Golden, Colorado 80401  
(303)273-1624

**National Fire Sprinkler Association**  
5715 West 76th Street  
Los Angeles, California 90045  
(914)878-4200

**National Forest Products Association**  
1619 Massachusetts Avenue, N.W.  
Washington, D.C. 20036  
(202)797-5800

**National Institute of Building Sciences**  
1015 15th Street, N.W., Suite 700  
Washington, D.C. 20005  
(202)347-5710

**National Science Foundation, Directorate for Engineering, Fundamental  
Research for Emerging and Critical Engineering Systems Division**  
1800 G Street, N.W.  
Washington, D.C. 20550  
(202)357-7710

**Natural Disaster Resource Referral Service**  
P.O. Box 2208  
Arlington, Virginia 22202  
(703)920-7176

**Natural Hazards Planning Council**  
Director, Planning Office  
P.O. Box 3088  
Christiansted, St. Croix, Virgin Islands 00820  
(809)773-1082

**Natural Hazards Research and Applications Information Center**  
University of Colorado, IBS 6  
Campus Box 482  
Boulder, Colorado 80309  
(303)492-6818

**New England Seismic Advisory Council (proposed)**  
P.O. Box 1496  
400 Worcester Road  
Framingham, Massachusetts 01701  
(617)875-1318

**Oklahoma Masonry Institute**  
3601 Classen Boulevard, Suite 108  
Oklahoma City, Oklahoma 73118  
(405)524-8795

**Portland Cement Association**  
5420 Old Orchard Road  
Skokie, Illinois 60077  
(312)966-6200

**Prestressed Concrete Institute**

201 North Wells Street  
Chicago, Illinois 60606  
(312)346-4071

**Rack Manufacturers Institute**

1326 Freeport Road  
Pittsburgh, Pennsylvania 15238  
(412)782-1624

**School Education Safety and Education Project**

State Seismologist  
Geophysics Department, AD-50  
University of Washington  
Seattle, Washington 98195  
(206)545-7563

**Soil and Foundation Engineers Association**

P.O. Box 92630  
El Taro, California 92630  
(714)859-0294

**South Carolina Seismic Safety Consortium**

Department of Civil Engineering  
The Citadel, The Military College of South Carolina  
Charleston, South Carolina 29401  
(803)792-7677  
or  
Baptist College  
P.O. Box 10087  
Charleston, South Carolina 29411  
(803)797-4208

**Southeastern United States Seismic Safety Consortium**

Department of Civil Engineering  
The Citadel, The Military College of South Carolina  
Charleston, South Carolina 29401  
(803)792-7677

**Southern Building Code Congress International**

900 Montclair Road  
Birmingham, Alabama 35213  
(205)591-1853

**Southern California Earthquake Preparedness Project**

6850 Van Nuys Boulevard  
Van Nuys, California 91405  
(213)787-5103

**Southern California Earthquake Preparedness Project Policy Advisory Board**  
Director of Emergency Planning and Office Administration  
Atlantic Richfield Company  
515 South Flower Street  
Los Angeles, California 90071  
(213)486-2535

**Steel Plate Fabricators Association, Inc.**  
2901 Finley Road, Suite 103  
Downers Grove, Illinois 60515  
(312)232-8750

**Structural Engineers Association of Arizona**  
2415 West Colter  
Phoenix, Arizona 85015  
(602)249-0963

**Structural Engineers Association of California**  
217 2nd Street  
San Francisco, California 94105  
(415)974-5147

**Structural Engineers Association of Utah**  
2126 South 1000 South  
Salt Lake City, Utah 84106

**Structural Engineers Association of Washington**  
1411 4th Avenue, Suite 1420  
Seattle, Washington 98101  
(206)624-7045

**Technical Advisory Council**  
Deputy Director, State Emergency Management Office  
Public Security Building 22  
State Office Building Campus  
Albany, New York 12226  
(518)454-2156

**Tennessee Earthquake Information Center**  
Memphis State University  
Memphis, Tennessee 38152  
(901)454-2007

**Tennessee Seismic Advisory Panel**  
Tennessee Emergency Management Agency  
Tennessee EOC, 3041 Sidco Drive  
Nashville, Tennessee 37204-1502  
(615)252-3311

**U.S. Geological Survey, Office of Earthquakes, Volcanoes, and Engineering**  
905 National Center  
Reston, Virginia 22092  
(703)860-6471

CSM Campus  
1711 Illinois Avenue, Mail Stop 966  
Golden, Colorado 80401  
(303)236-1611

345 Middlefield Road, Building 1, Mail Stop 22  
Menlo Park, California  
(415)323-8111, Ext. 2312

**U.S. Public Health Service, National Institute of Mental Health, Center  
for Mental Health—Studies of Emergencies**

5600 Fishers Lane  
Rockville, Maryland 20857  
(301)443-1910

**U.S. Small Business Administration Disaster Assistance Division**

Area 1 (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Puerto Rico, Rhode Island, Vermont, Virgin Islands)  
15-01 Broadway  
Fair Lawn, New Jersey 07410  
(201)794-8195

Area 2 (Alabama, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Kentucky, Maryland, Michigan, Minnesota, Mississippi, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, West Virginia, Wisconsin)  
75 Spring Street, S.W., Suite 822  
Atlanta, Georgia 30303  
(404)221-5822

Area 3 (Arkansas, Iowa, Kansas, Louisiana, Missouri, Nebraska, New Mexico, Oklahoma, Texas)  
2306 Oak Lane, Suite 110  
Grand Prairie, Texas 75051  
(214)767-7571

Area 4 (Alaska, Arizona, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming)  
P.O. Box 13795  
Sacramento, California 95825  
(916)484-4461

**University of Delaware, Disaster Research Center**

Newark, Delaware 19711  
(302)451-2581

**Western States Structural Engineers Association**

304 Great Western Building  
Spokane, Washington 99201

**Western States Clay Products Association**

9780 South, 5200 West  
West Jordan, Utah  
(801)561-1471

**Western Seismic Safety Council**

c/o Hugh Fowler  
Washington State Department of Emergency Services  
4220 East Martin Way  
Olympia, Washington 98504  
(206)459-9191

**DATA BASES**

**American Geological Institute**

Indexes approximately 5,000 serials on the world's geological literature.

GeoRef  
4220 King Street  
Alexandria, Virginia 22302  
(703)379-2480

**Department of Agriculture**

Data bases or computerized records maintained by agencies within the department include material on emergency disaster assistance, emergency loan distribution, insurance paid out for crop losses, avalanches, hail, and drought. AGRICOLA is a computerized bibliographic reference service dealing primarily with agriculture.

(301)344-3755

**Earthquake Engineering Research Center Library**

Extensive library on all aspects of the earthquake problem. Publications available by mail.

University of California  
47th and Hoffman Boulevard  
Richmond, California 94804  
(415)231-9403

**Federal Emergency Management Agency, Disaster Management Information System**

More than 65 elements of information on presidentially declared disasters are available on magnetic tape.

FEMA/SL-DA  
500 C Street, S.W.  
Washington, D.C. 20472  
(202)382-6423

**National Geophysical Data Center**

Maintains an earthquake data file, photo files, and a set of data bases of direct interest to Pacific tsunami research and operations  
NOAA/EDIS/NGDC  
D62  
Boulder, Colorado 80303  
(303)497-6337

**National Technical Information Service**

The source for the public sale of government-sponsored research, development, and engineering reports and other analyses prepared by federal agencies and their contractors and grantees. For general information call (703)487-4604. For information on research in progress call (703)487-4808. For information on the transfer of federal technology having potential commercial or practical applications, call (703)487-4808.

NTIS  
5285 Port Royal Road  
Springfield, Virginia 22161

**Smithsonian Institution**

Provides the Scientific Event Alert Network (SEAN) that offers monthly bulletins summarizing short lived events around the world.

SEAN NHB  
Smithsonian Institution  
Mail Stop 129  
Washington, D.C. 20560  
(202)357-1511

**U.S. Geological Survey**

For information on the books, maps, and photographs of the USGS call the Reference Librarian at the:

National Center  
(703)860-6671  
or  
Western Regional Library  
(415)323-8111  
or  
Central Regional Library  
(303)234-4133

USGS Circular 777, A Guide to Obtaining Information from the USGS, assists in obtaining USGS products and unpublished information and USGS Circular 817, Scientific and Technical, Spatial, and Bibliographic Data Bases of the U.S. Geological Survey, lists 223 USGS systems. Copies are available free from the:

USGS Branch of Distribution  
604 Pickett Street  
Alexandria, Virginia 22304

USGS Earth Resources Observation Systems (EROS) offers a computerized reference service for searches for remote sensing data. Contact:

EROS Data Center  
Sioux Falls, South Dakota 57198  
(605)594-6151

Geographic Information Systems, Methods, and Equipment for Land Use Planning lists many manual and computer-aided systems, systems design, and data sources for land use planners and managers. It is available as PB 286-643 from:

NTIS  
5285 Port Royal Road  
Springfield, Virginia 22161