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No. 1110-1-15

11 January 2021

Engineering and Design
COOPERATION WITH STATE GEOLOGICAL SURVEYS

1. Purpose. The purpose of this pamphlet is to encourage U.S. Army Corps of Engineers (USACE) cooperation and coordination with State Geological Surveys.
2. Applicability. This pamphlet applies to USACE Headquarters (HQUSACE) elements, major subordinate commands, districts, laboratories, and field operating activities.
3. Distribution Statement. Approved for public release; distribution is unlimited.

FOR THE COMMANDER:

3 Appendixes:

A: State Geological Surveys

B: Association of American State Geologists
(AASG) Liaison Committee

C: United States Geological Survey (USGS)
Regional Directors



JOHN P. LLOYD

COL, EN

Chief of Staff

This pamphlet supersedes EP 1110-1-15, dated 31 March 1994

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4. Reference. Engineer Manual (EM) 1110-1-1804, Geotechnical Investigations https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_1110-1-1804.pdf?ver=X3odvxc01j8BV0N9mwxWCw%3d%3d.
5. Records Management (Recordkeeping) Requirements. The records management requirement for all record numbers, associated forms, and reports required by this regulation are addressed in the Army Records Retention Schedule – Army (RRS-A). Detailed information for all related record numbers are in the Army Records Information Management System (ARIMS) RRS-A at <https://www.arims.army.mil>. If any record numbers, forms, and reports are not current, addressed, and/or published correctly in ARIMS/RRS-A, see Department of the Army Pamphlet 25-403, Guide to Recordkeeping in the Army.
6. Background. The AASG Annual Meeting was held in Butte, Montana (MT) on June 9-13, 2019. It was cancelled in 2020 due to coronavirus disease, and is now planned for June 2021 in Tahoe, Nevada (NV). The organizations that attended the meeting include the USGS, USACE, American Geological Institute, American Institute of Professional Geologists, Geological Society of America, and Association of State Boards of Geologists. The purpose of the meeting is to achieve effective coordination of work with Federal and State agencies working in similar or related fields. The State Geological Surveys can improve through interchange of ideas pertaining to their administrative organization, programs, and techniques.
7. Discussion. All USACE offices should be cognizant of the location, points of contact, and resources of State Geological Surveys in USACE project areas. According to the guidance contained in EM 1110-1-1804, Geotechnical Investigations, every effort should be made to utilize the resources of these State Geological Surveys.
8. Points of Contact for State Geological Survey Offices. Appendix A provides a list of State Geological Surveys (or equivalent offices) for the 50 states and Puerto Rico. Appendix B provides a list of AASG Liaison Committee members. Appendix C provides a list of USGS Regional Contact Numbers.

Appendix A
 State Geological Surveys, January 2021

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| <p><u>ALABAMA</u> Geological Survey of Alabama Alabama State Oil and Gas Board P.O. Box 869999 Tuscaloosa, AL 35486-6999 Phone: 205-247-3679 FAX: 205-349-2861</p> | <p><u>COLORADO</u> Colorado Geological Survey 1801 19th St. Golden, CO 80401 Phone: 303-384-2649 FAX: 303-866-2461</p> |
| <p><u>ALASKA</u> Alaska Div. of Geological & Geophysical Surveys Alaska Dept. of Natural Resources 3354 College Rd. Fairbanks, AK 99709-3707 Phone: 907-451-5007 FAX: 907-451-5223</p> | <p><u>CONNECTICUT</u> Connecticut Geological Survey Dept. of Energy & Environmental Protection Office of Information Management 79 Elm Street, 6th Floor Hartford, CT 06102 Phone: 860-424-3583 FAX: 860-424-4058</p> |
| <p><u>ARIZONA</u> Arizona Geological Survey 1955 East 6th St., P.O. Box 210184 Tucson, AZ 85721 Phone: 520-621-2444</p> | <p><u>DELAWARE</u> Delaware Geological Survey 257 Academy Street University of Delaware Newark, DE 19716 Phone: 302-831-8258 FAX: 302-831-3579</p> |
| <p><u>ARKANSAS</u> Arkansas Geological Survey 3815 West Roosevelt Road Little Rock, AR 72204 Phone: 501-296-1877 FAX: 501-663-7360</p> | <p><u>FLORIDA</u> Florida Geological Survey 3000 Commonwealth Blvd, Suite 1 Tallahassee, FL 32303-73157 Phone: 850-617-0300 FAX: 844-270-4635</p> |
| <p><u>CALIFORNIA</u> California Geological Survey, Division HQ 801 K Street, MS 12-30 Sacramento, CA 95814-3531 Phone: 916-445-1825 FAX: 916-445-5718</p> | <p><u>GEORGIA</u> Georgia Department of Natural Resources Environmental Protection Division Floyd Towers East, Suite 1152 2 Martin Luther King, Jr. Dr. SE Atlanta, GA 30334 Phone: 404-463-0679 FAX: 404-651-5778</p> |

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| <p><u>HAWAII</u> Dept. of Land & Natural Resources Commission on Water Resource Management Kalanimoku Building 1151 Punchbowl Street, Room 227 Honolulu, HW 96813 Phone: 808-587-0214 FAX: 808-587-0219</p> | <p><u>KENTUCKY</u> Kentucky Geological Survey 228 Mining and Mineral Resource Building Lexington, KY 40506-0107 Phone: 859-323-0559 FAX: 859-257-1147</p> |
| <p><u>IDAHO</u> Idaho Geological Survey University of Idaho 875 Perimeter Drive, MS 3014 Moscow, ID 83844-3014 Phone: 208-885-7991</p> | <p><u>LOUISIANA</u> Louisiana Geological Survey Louisiana State University 3079 Energy, Coast and Environment Building Baton Rouge, LA 70803 Phone: 225-578-5320 FAX: 225-578-3662</p> |
| <p><u>ILLINOIS</u> Illinois State Geological Survey 121 Natural Resources Bldg. 615 E. Peabody Dr. Champaign, IL 61820-6964 Phone: 217-244-2776 FAX: 217-244-7004</p> | <p><u>MAINE</u> Maine Geological Survey Department of Agriculture, Conservation & Forestry 93 State House Station 17 Elkins Lane, Williams Pavilion Augusta, ME 04333 Phone: 207-287-2801 FAX: 207-287-2353</p> |
| <p><u>INDIANA</u> Indiana Geological Survey 420 N. Walnut Grove Bloomington, IN 47405 Phone: 812-855-7428 FAX: 812-855-2862</p> | <p><u>MARYLAND</u> Maryland Geological Survey 2300 St. Paul Street Baltimore, MD 21218-5210 Phone: 410-554-5503 FAX: 410-554-5502</p> |
| <p><u>IOWA</u> Iowa Geological Survey, University of Iowa IIHR – Hydroscience and Engineering 340A Trowbridge Hall Iowa City, IA 52242 Phone: 319-335-1422</p> | <p><u>MASSACHUSETTS</u> Dept. of Geosciences, University of Massachusetts 269 Morrill Science Center Amherst, MA 01003-9297 Phone: 413-545-4814 FAX: 413-545-1200</p> |
| <p><u>KANSAS</u> Kansas Geological Survey The University of Kansas 1930 Constant Ave Lawrence, KS 66047-3724 Phone: 785-864-2171 FAX: 785-864-5317</p> | <p><u>MICHIGAN</u> Michigan Geological Survey Dept. of Geological & Environmental Sciences Western Michigan University 1903 W. Michigan Ave Kalamazoo, MI 49008-5241 Phone: 517-284-6823 FAX: 517-241-1601</p> |

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| <p><u>MINNESOTA</u> Minnesota Geological Survey University of Minnesota 2609 West Territorial Rd. St. Paul, MN 55114-1009 Phone: 612-626-2150</p> | <p><u>NEW HAMPSHIRE</u> New Hampshire Geological Survey Dept. of Environmental Services 29 Hazen Drive, P.O. Box 95 Concord, NH 03302-0095 Phone: 603-271-1975 FAX: 603-271-3305</p> |
| <p><u>MISSISSIPPI</u> Mississippi Office of Geology Department of Environmental Quality P.O. Box 2279 Jackson, MS 39225-2279 Phone: 601-961-5544 FAX: 601-961-5521</p> | <p><u>NEW JERSEY</u> New Jersey Geological & Water Survey Water Supply & Geoscience Dept. of Environmental Protection Mail Code: 29-01, P.O. Box 420 Trenton, NJ 08625-0420 Phone: 609-292-1185 FAX: 609-633-1004</p> |
| <p><u>MISSOURI</u> Missouri Geological Survey Dept. of Natural Resources P.O. Box 250 Rolla, MO 65402-0250 Phone: 573-368-2100 FAX: 573-368-2111</p> | <p><u>NEW MEXICO</u> New Mexico Bureau of Geology & Mineral Resources New Mexico Tech 801 Leroy Place Socorro, NM 87801-4796 Phone: 575-835-5783 FAX: 575-835-6333</p> |
| <p><u>MONTANA</u> Montana Bureau of Mines & Geology 1300 W. Park Street Montana Tech Butte, MT 59701-8997 Phone: 406-496-4159 FAX: 406-496-4451</p> | <p><u>NEW YORK</u> New York State Geological Survey New York State Museum, Empire State Plaza 3140 Cultural Education Center Albany, NY 12230 Phone: 518-474-5812 FAX: 518-486-2034</p> |
| <p><u>NEBRASKA</u> Nebraska Geological Survey Conservation & Survey Div. School of Natural Resources, University of Nebraska 101 Hardin Hall Lincoln, NE 68583-0961 Phone: 402-472-7520 FAX: 402-472-2946</p> | <p><u>NORTH CAROLINA</u> North Carolina Geological Survey Div. of Energy, Mineral, and Land Resources N.C. Dept. of Environmental and Natural Resources 1612 Mail Service Center Raleigh, NC 27699-1612 Phone: 919-707-9211 FAX: 919-715-8801</p> |
| <p><u>NEVADA</u> Nevada Bureau of Mines & Geology University of Nevada-Reno Mail Stop 0178 Reno, NV 89557-0178 Phone: 775-682-6650 FAX: 775-784-1709</p> | <p><u>NORTH DAKOTA</u> North Dakota Geological Survey 600 East Boulevard, Dept. 405 Bismarck, ND 58505-0840 Phone: 701-328-8000 FAX: 701-328-8010</p> |

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| <p><u>OHIO</u> Ohio Geological Survey Dept. of Natural Resources 2045 Morse Rd., Bldg. C Columbus, OH 43229-6693 Phone: 614-265-6576 FAX: 614-268-3669</p> | <p><u>SOUTH CAROLINA</u> South Carolina Geological Survey 5 Geology Road Columbia, SC 29212 Phone: 803-896-7702 FAX: 803-896-7695</p> |
| <p><u>OKLAHOMA</u> Oklahoma Geological Survey 100 East Boyd, Suite N131 Norman, OK 73019-0628 Phone: 405-325-5216 FAX: 405-325-7069</p> | <p><u>SOUTH DAKOTA</u> Geological Survey Program Dept. of Environment & Natural Resources Akeley-Lawrence Science Center, University of South Dakota 414 E. Clark Street Vermillion, SD 57069-2390 Phone: 605-677-5227 FAX: 605-677-5895</p> |
| <p><u>OREGON</u> Oregon Dept. of Geology & Mineral Industries 800 NE Oregon Street, Suite 965 Portland, OR 97232 Phone: 971-673-1550 FAX: 971-673-1562</p> | <p><u>TENNESSEE</u> Tennessee Division of Geology William R. Snodgrass TN Tower 312 Rosa L. Parks Ave., 12th Floor Nashville, TN 37243 Phone: 615-532-1502 FAX: 615-532-0199</p> |
| <p><u>PENNSYLVANIA</u> Bureau of Geologic Survey Dept. of Conservation and Natural Resources 3240 Schoolhouse Road Middletown, PA 17057-3534 Phone: 717-702-2017 FAX: 717-702-2065</p> | <p><u>TEXAS</u> Bureau of Economic Geology The University of Texas at Austin University Station, P.O. Box X Austin, TX 78713-8924 Phone: 512-471-0209 FAX: 512-471-0140</p> |
| <p><u>PUERTO RICO</u> Dept. of Natural Resources & Environmental P.O. Box 366147 San Juan, PR 00936 Phone: 787-999-2200</p> | <p><u>UTAH</u> Utah Geological Survey 1594 West North Temple, Suite 3110 Salt Lake City, UT 84116 Phone: 801-537-3300 FAX: 801-537-3400</p> |
| <p><u>RHODE ISLAND</u> Department of Geosciences University of Rhode Island 9 East Alumni Ave, Woodward Hall Kingston, RI 02881-0816 Phone: 401-874-2187</p> | <p><u>VERMONT</u> Vermont Geological Survey Agency of Natural Resources 1 National Life Drive, Main 2 Montpelier, VT 05620-3902 Phone: 802-522-5401</p> |

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| <p><u>VIRGINIA</u> Virginia Dept. of Mines, Minerals, & Energy Division of Geology & Mineral Resources 900 Natural Resources Drive, Suite 500 Charlottesville, VA 22903 Phone: 434-951-6350 FAX: 434-951-6366</p> | <p><u>WISCONSIN</u> Wisconsin Geological & Natural History Survey 3817 Mineral Point Road Madison, WI 53705 Phone: 608-263-7921 FAX: 608-262-8086</p> |
| <p><u>WASHINGTON</u> Dept. of Natural Resources Division of Geology & Earth Resources 1111 Washington Street SE Olympia, WA 98501 Phone: 360-902-1450 FAX: 360-902-1785</p> | <p><u>WYOMING</u> Wyoming State Geological Survey P.O. Box 1347 Laramie, WY 82073 Phone: 307-766-2286 FAX: 307-766-2605</p> |
| <p><u>WEST VIRGINIA</u> West Virginia Geological Survey 1 Mont Chateau Rd. Morgantown, WV 26508-8079 Phone: 304-594-2331 FAX: 304-594-2575</p> | |

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Appendix B

Association of American State Geologists, Liaison Committee (January 2021)

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| <p>President Michigan Geological Survey Director Dept. of Geological & Environmental Sciences Western Michigan University 1903 W. Michigan Ave Kalamazoo, MI 49008-5241 269-397-8649</p> | <p>Editor Illinois State Geologist Illinois State Geological Survey 121 Natural Resources Bldg. 615 E. Peabody Dr. Champaign, IL 61820-6964 217-244-2776</p> |
| <p>President-Elect Wyoming State Director and State Geologist Wyoming State Geological Survey P.O. Box 1347 Laramie, WY 82073 307-766-2286</p> | <p>Statistician Wisconsin State Geologist Wisconsin Geological & Natural History Survey 3817 Mineral Point Road Madison, WI 53705 608-263-7921</p> |
| <p>Vice President Nevada State Geologist Nevada Bureau of Mines & Geology University of Nevada-Reno Mail Stop 0178 Reno, NV 89557-0178 775-682-6650</p> | <p>Historian Pennsylvania State Geologist Bureau of Geologic Survey Dept. of Conservation and Natural Resources 3240 Schoolhouse Road Middletown, PA 17057-3534 717-702-2017</p> |
| <p>Past-President Maryland State Geologist Maryland Geological Survey 2300 St. Paul Street Baltimore, MD 21218-5210 410-554-5503</p> | <p>Honorary Members' Representative New Jersey Geological & Water Survey Water Supply & Geoscience Dept. of Environmental Protection Mail Code: 29-01, P.O. Box 420 Trenton, NJ 08625-0420 609-292-1185</p> |
| <p>Secretary New Mexico State Geologist New Mexico Bureau of Geology & Mineral Resources New Mexico Tech 801 Leroy Place Socorro, NM 87801-4796 575-835-5783</p> | <p>Associates Members' Representative Missouri Deputy Division Director Missouri Geological Survey Dept. of Natural Resources P.O. Box 250 Rolla, MO 65402-0250 573-368-2100</p> |
| <p>Treasurer Arizona State Geologist Arizona Geological Survey 1955 East 6th St., P.O. Box 210184 Tucson, AZ 85721 520-621-2444</p> | |

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Appendix C
 United States Geological Survey – Regional Contact Numbers

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| REGION 1: North Atlantic-Appalachian 703-648-6660 | REGION 7: Upper Colorado Basin 703-648-7200 |
| REGION 2: South Atlantic-Gulf 703-715-7020 | REGION 8: Lower Colorado Basin 916-278-9551 |
| REGION 3: Great Lakes 317-600-2753 | REGION 9: Columbia-Pacific Northwest 206-225-6643 |
| REGION 4: Mississippi Basin 703-715-7020 | REGION 10: California-Great Basin 916-278-9551 |
| REGION 5: Missouri Basin 317-600-2753 | REGION 11: Alaska 907-786-7091 |
| REGION 6: Arkansas-Rio Grande-Texas-Gulf 703-715-7020 | REGION 12: Pacific Islands 206-225-6643 |