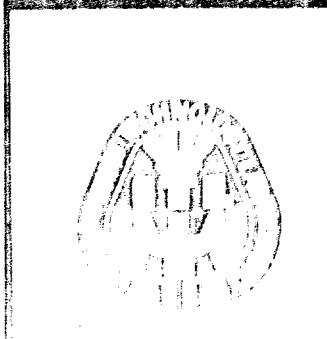


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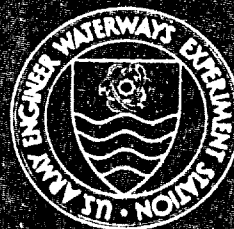


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VOLUME II

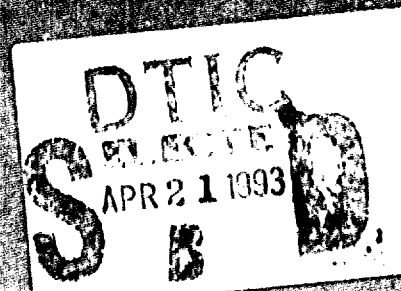
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Information Technology Laboratory

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199



June 1990
Final Report

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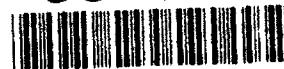
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Military engineering--bibliography

US Army Engineer Waterways Experiment Station--bibliography

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PREFACE

Description of Contents

Publications issued during the period January 1979 through January 1990 by the U. S. Army Engineer Waterways Experiment Station (WES) are listed herein and indexed according to the key-word-out-of-context method. Index terms are extracted from the report titles; one to four terms have been selected from each title. The publications are grouped according to the technical laboratories or technical support element that prepared them*; these laboratories and support element and their primary fields of interest are as follows:

Coastal Engineering Research Center: Research on waves, wind, water levels, tides, currents and the resultant coastal processes; interaction of these forces and processes with shores, beaches, inlets, inner continental shelves, and coastal and offshore structures; shore and beach erosion control; flooding and storm protection; the location, design, construction, and operation of coastal harbors and coastal and offshore structures; and navigational improvements.

Environmental Laboratory: Reports on research regarding the environmental impacts of activities of the Corps and other government agencies. Studies on environmental inventories and assessment of alternatives in constructing, operating, and maintaining authorized navigation channels; guidelines for recreation and roadside rest area waste treatment; feasibility of chemical fixation of hazardous waste; evaluation of overland flow mode of wastewater treatment; ecosystem research and simulation; and results of the Aquatic Plant Control Research Program, Dredged Material Research Program, Recreation Research Program, and Environmental and Water Quality Operational Studies.

Geotechnical Laboratory: Research studies in soil and rock mechanics; earthquake engineering; foundation design; engineering geology; vehicle mobility; and pavement technology by means of field investigations, laboratory studies, and office analysis.

* Volume I consists of all reports published under the series numbers that existed prior to the reorganization and of all miscellaneous subject reports. This volume, Volume II, includes all reports published under the series numbers established after the reorganization.

Hydraulics Laboratory: River, tidal, wave action, and structural hydraulics studies conducted by office analysis, laboratory experiment, mathematical modeling, and field measurement.

Information Technology Laboratory: Conceives, plans, manages, conducts, and coordinates research and development in the Information Management (IM) technology areas that include computer science, automation and associated fields; voice, video, data and satellite communications; audiovisual; information library and records management; printing and publications; and interdisciplinary engineering computer areas.

Structures Laboratory: Research studies of construction materials, methods, and equipment; laboratory and field investigations of concrete control, and of concrete, grouts, and grouting; studies of dynamic properties of soil and rock masses; and theoretical, analytical, and experimental studies of the design of protective structures and of underwater shock effects. Also, studies of use of explosives for excavation; emplacement of nuclear devices; crater dimensions, slopes, and throwout; safety and side effects of explosives; theoretical and model studies of hydraulic properties of explosive-excavated channels; finite element analysis of stress distributions beneath explosive-excavated slopes; small-scale studies.

Automation Technology Center: User guides for practical, user-oriented, and well tested engineering programs; analyses of problems to determine the feasibility of digital computer solutions; and theory of how to solve various engineering problems incorporating the use of computer programs and routines.

Certain reports on related subjects such as hydrology, instrumentation, etc., are listed under the heading "Miscellaneous Subjects."

The general types of Waterways Experiment Station publications currently issued are Instruction Reports, Miscellaneous Papers, and Technical Reports. These are briefly identified as follows:

Instruction Reports: Reports in which new or revised techniques and/or procedures are outlined or proposed for accomplishing a particular engineering feat.

Miscellaneous Papers: Reports of minor investigations of limited scope and/or interest; reports prepared for publication by other agencies; papers prepared for professional journals; interoffice and intraoffice memoranda of sufficient importance to warrant making of record; or memoranda concerning technical investigations written for record purposes only.

Technical Reports: Reports of major engineering and/or scientific investigations. All technical reports are numbered with the exception of preliminary reports (which may also be designated as progress or interim reports) and certain final reports describing studies of limited scope.

Distribution

Publications of the Waterways Experiment Station and other Corps of Engineers offices are distributed primarily to Department of Defense agencies and certain other agencies having an interest in the work reported. Copies remaining after the initial distribution will be furnished without charge to Federal Government agencies on request until the supply of the particular item is exhausted. Nonrestricted reports are available to the general public on request until the supply is exhausted. Thereafter, copies can be obtained on loan from the Research Library, Information Center, Information Management Division, Information Technology Laboratory, Waterways Experiment Station.

A number of reports in this list are footnoted "Statement B. See Preface." Distribution or loan of reports so footnoted is limited to U. S. Government agencies only unless permission for release can be obtained in special cases from the controlling office.

Library Loan

Library copies of all publications listed herein (except as otherwise noted), including out-of-print items and any other engineering literature on file in the Research Library, are available to Department of Defense agencies on loan from the Research Library.

The library loan privilege is also extended to other Federal and State agencies, scientific and educational institutions, and established engineering or industrial firms. In such cases, the loan period is usually limited to 30 days. Individuals

not connected with the Department of Defense can usually arrange for library loan either through the library of their business concerns or through the inter-library loan services of their local libraries. Lending to persons outside the continental limits of the United States is not done because of the extended time periods involved and risk of loss of publications in transit.

All matters concerning the distribution or loan of Waterways Experiment Station publications or of publications published and distributed by the Waterways Experiment Station for other agencies should be addressed to the Commander and Director, U. S. Army Engineer Waterways Experiment Station, ATTN: WESIM-MI-S, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199; telephone (601)634-2571. For information on electronic format of index, contact Alfrieda S. Clark at the above address or telephone (601)634-2151.

Purchase of Publications

Reports listed in this volume having AD numbers can be purchased from the National Technical Information Service, U. S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161; telephone (202) 487-4650. Costs of hard copies or microfiche copies of such reports are available from NTIS on request.

Acknowledgement

The List of Publications is updated and compiled in the Special Projects Unit, Research Library. Acknowledgement is made to the following Library Technicians for their word processing efforts in keeping the List updated: Esther M. Dunlap and Brenda Kittrell.

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CR CERC-88-1	Jul 1988	New Methods of Constructing Scale Model Armor Units, by R. J. Richter	
CR CERC-88-2	Jul 1988	Long-Term Sand Cap Stability: New York Dredged Material Disposal Site, by J. H. Parker and R. M. Valente	AD A198 651
CR CERC-89-1	Sep 1989	Wave Dissipation on a Barred Beach: A Method for Determining Sand Bar Morphology, by T. C. Lippmann and R. A. Holman	AD A213 527

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CERC-84-1 thru CERC-84-3	May 1984 thru Oct 1984	The CERCular	
CERC-85-1 thru CERC-85-4	Mar 1985 thru Nov 1985	The CERCular	
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IR CERC-84-1	Nov 1984	A User's Guide to ISRP: The Interactive Survey Reduction Program, by William Birkemeier (includes Appendixes A-D)	AD A151 160
IR CERC-85-1	May 1985	A User's Guide to the Coastal Engineering Research Center's (CERC's) Field Research Facility, by W. A. Birkemeier, H. C. Miller, S. D. Wilhelm, A. E. DeWall, and C. S. Gorbics (includes Appendixes A-E)	AD A157 966
IR CERC-85-2	May 1985	Application of the Dutch Method for Estimating Storm-Induced Dune Erosion, by F. E. Sargent and W. A. Birkemeier (includes Appendixes A-B)	AD A156 717
IR CERC-86-1	Jun 1986	A User's Guide to a Steady-State Shallow-Water Directional Spectral Wave Model, by J. M. Hubertz (includes Appendixes A-F)	AD A171 023
IR CERC-86-2		A User's Guide to SHALWV: Numerical Model for Simulation of Shallow-Water Wave Growth, Propagation, and Decay:	AD A171 638
	Jun 1986	Report 1 by S. A. Hughes and R. E. Jensen (includes Appendix A)	
	Jun 1987	Report 2 SHALWV--Hurricane Wave Modeling and Verification, by R. E. Jensen, C. L. Vincent, and C. E. Abel	AD A183 906
IR CERC-86-3	Jun 1986	WAVERTF: Wave Propagation Over Obstacles and Irregular Topography; A User's Manual, by H. S. Chen and W. A. Brown (includes Appendixes A-C)	AD A170 886
IR CERC-87-1	Feb 1987	Geotechnical Engineering in the Coastal Zone, by James Eckert and Gordon Callender (includes Appendixes A-C)	AD A180 016
IR CERC-87-2	Apr 1987	Calculation of Water Oscillation in Coastal Harbors; HARBS and HARBD User's Manual, by H. S. Chen and J. R. Houston (includes Appendixes A-C)	AD A180 543
IR CERC-87-3	Apr 1987	A User's Guide to the Littoral Environment Observation Retrieval System, by A. R. Sherlock and Andy Szuwalski (includes Appendixes A-C)	AD A181 672
IR CERC-87-4	Aug 1987	A User's Guide to the N-Line Model: A Numerical Model to Simulate Sediment Transport in the Vicinity of Coastal Structures, by N. W. Scheffner and J. D. Rosati (includes Appendixes A-B)	AD A185 280

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MP CERC-83-1	Sep 1983	Prototype Tidal Data Analysis for Mississippi Sound and Adjacent Areas, by D. G. Outlaw (includes Appendix A)	AD A134 071
MP CERC-83-2		The Development of a Numerical Solution to the Transport Equation:	
	Sep 1983	Report 1 Methodology, by R. A. Schmalz, Jr.	AD A134 829
	Sep 1983	Report 2 Computational Procedures, by R. A. Schmalz, Jr. (includes Appendixes A-D)	AD A134 830
	Sep 1983	Report 3 Test Results, by R. A. Schmalz, Jr.	AD A134 026
MP CERC-83-3	Sep 1983	Nearshore Current Model Workshop Summary, by J. M. Hubertz (includes Appendixes A-B)	AD A134 702
MP CERC-83-4	Oct 1983	An Investigation of Scour Protection for Small Footings in the Nearshore Zone, by A. E. DeWall (includes Appendixes A-B)	AD A134 701
	Jan 1984	Errata Sheet No. 1	
MP CERC-83-5	Dec 1983	Beach Changes at Milford and Fairfield Beaches, Connecticut, 1962-1971, by R. W. Morton, W. F. Bohlen, and D. G. Aubrey (includes Appendixes A-H)	AD A137 253
MP CERC-83-6	Nov 1983	Sedimentation Investigation at Masirah Island, Oman, by C. H. Everts, A. W. Garcia, and E. P. Meisburger (includes Appendixes A-F)	AD A137 142
MP CERC-83-7	Dec 1983	Sediment Budget Calculations, Oceanside, California, by J. R. Weggel and G. R. Clark	AD A137 395
MP CERC-83-8	Dec 1983	Shoreline Erosion Study, Pleasure Island, Texas, by Curtis Mason, William Grogg, and Stephen Wheeler (includes Appendix A)	AD A138 653
MP CERC-83-9		Handheld Calculator Algorithms for Coastal Engineering: Reports 1 and 2 in this series were published as CETA 82-1 and 82-4 (see Volume I)	
	Dec 1983	Report 3 by J. L. Dean and T. L. Walton, Jr. (includes Appendix A)	AD A138 369
	Apr 1985	Report 4 by J. L. Dean and T. L. Walton, Jr. (includes Appendix A)	AD A156 170
MP CERC-83-10	Dec 1983	Reconnaissance Report on Coastal Erosion at Fort Ord, California, by D. P. Smith (includes Appendixes A-B)	AD A137 419
Unnumbered	Jan 1984	Proceedings of the 40th Meeting of the Coastal Engineering Research Board; 18-20 October 1983; North Falmouth, Massachusetts, edited by R. W. Whalin (includes Appendixes A-B)	
MP CERC-84-1	Jan 1984	Los Angeles and Long Beach Harbors Model Study; Resonant Response of the Harbors for Phase I of the Los Angeles Deep-Draft Dry Bulk Export Terminal, by R. R. Bottin, Jr., and D. G. Outlaw (includes Appendix A)	AD A138 940
Unnumbered	Mar 1984	Bibliography of Publications Prior to July 1983 of the Coastal Engineering Research Center and the Beach Erosion Board, by Andre Szuwalski and Stephen Wagner (includes Appendixes A-C)	AD A145 404

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MP CERC-84-2	Mar 1984	Breakage of Concrete Armor Units; Survey of Existing Corps Structures, by D. G. Markle and D. D. Davidson (includes Appendix A)	AD A140 868
MP CERC-84-3	Mar 1984	Interpretative Analysis of Surficial Sediments as an Aid in Transport Studies of Dredged Materials, Cape Canaveral, Florida, by M. A. Ferland and L. L. Weishar	AD A140 759
MP CERC-84-4	Mar 1984	Guidelines for Predicting Maximum Nearshore Sand Level Changes on Unobstructed Beaches, by A. E. DeWall and J. A. Christenson (includes Appendixes A-B)	AD A143 443
MP CERC-84-5	Jun 1984	Los Angeles and Long Beach Harbors Model Study; Numerical Analysis of Tidal Circulation for the 2020 Master Plan, by W. C. Seabergh and D. G. Outlaw	AD A145 142
MP CERC-84-6	Jul 1984	Statistical Analysis of Visual Wave Observations and Gage/Radar Measurements, by Marc Perlin (includes Appendixes A-C)	AD A146 358
MP CERC-84-7	Jul 1984	Spatial Variability in the Nearshore Wavefield, by S. A. Hughes (includes Appendix A)	AD A146 907
Unnumbered	Aug 1984	Proceedings of the 41st Meeting of the Coastal Engineering Research Board; 5-7 June 1984; Seattle, Washington	
MP CERC-84-8	Sep 1984	Modeling Wave Transformation in the Surf Zone, by W. R. Dally, R. G. Dean, and R. A. Dalrymple (includes Appendixes A-B)	AD A146 951
MP CERC-84-9	Oct 1984	Inlet Processes at Eel Pond, Falmouth, Massachusetts, by A. E. DeWall, J. A. Tarnowski, Bruce Danielson, and L. L. Weishar (includes Appendixes A-G)	AD A147 548
MP CERC-84-10	Oct 1984	Potential Effects of New Entrance Channel to Bolsa Chica Bay, California, on Unstabilized Adjacent Shorelines, by L. Z. Hales (includes Appendixes A-E)	AD A147 549
MP CERC-84-11	Sep 1984	San Pedro Breakwater Repair Study, Los Angeles, California; Hydraulic Model Investigation, by R. D. Carver	AD A149 645
MP CERC-84-12	Nov 1984	Beach Changes at Misquamicut Beach, Rhode Island, 1962-1973, by R. W. Morton, W. F. Bohlen, D. G. Aubrey, and M. C. Miller (includes Appendixes A-G)	AD A150 233
MP CERC-84-13	Nov 1984	Deepwater Wind Wave Growth with Fetch and Duration, by C. L. Vincent (includes Appendix A)	AD A151 604
MP CERC-84-14	Dec 1984	The Great Lakes as a Test Model for Profile Response to Sea Level Changes, by E. B. Hands	AD A153 062
MP CERC-85-1	Feb 1985	History of Erosion and Erosion Control Efforts at Tybee Island, Georgia, by G. F. Oertel, J. E. Fowler, and Joan Pope (includes Appendixes A-E)	AD A156 163
MP CERC-85-2	Feb 1985	Numerical Model Investigation of Mississippi Sound and Adjacent Areas, by R. A. Schmalz, Jr. (includes Appendixes A-D)	AD A156 616
MP CERC-85-3	Mar 1985	Water Wave Refraction/Diffraction/Shoaling Investigation, Crescent City, California, by L. Z. Hales (includes Appendixes A-B)	AD A153 847

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MP CERC-85-4	Apr 1985	Iterative and Pade Solutions for the Water-Wave Dispersion Relation, by H. S. Chen and E. F. Thompson (includes Appendix A)	AD A157 796
Unnumbered	Apr 1985	Proceedings of the 42nd Meeting of the Coastal Engineering Research Board; 11-13 December 1984; Chicago, Illinois (includes Appendixes A-B)	
MP CERC-85-5	May 1985	Bechevin Bay, Alaska, Inlet Stability Study, by Y. H. Chu and H. S. Chen	AD A157 494
MP CERC-85-6	Aug 1985	Oceanographic and Meteorological Conditions During a Ship Mooring Force Study, by Curtis Mason, W. E. Grogg, Jr., and E. W. Bichner (includes Appendixes A-B)	AD A160 194
MP CERC-85-7	Jun 1985	Wave Climatology Study for Ludington Harbor, Michigan, by G. M. Horsham (includes Appendixes A-B)	AD A157 074
MP CERC-85-8	Jul 1985	Los Angeles and Long Beach Harbors Model Study; Deep-Draft Dry Bulk Export Terminal, Alternative No. 6: Resonant Response and Tidal Circulation Studies, by W. C. Seabergh	AD A159 448
Unnumbered	Aug 1985	Proceedings of the 43rd Meeting of the Coastal Engineering Research Board; 22-24 May 1985; Vicksburg, Mississippi, edited by R. W. Whalin (includes Appendixes A-F)	AD A159 991
MP CERC-85-9	Sep 1985	Side-Scan Sonar Survey of Bailey's Dam, Red River, Alexandria, Louisiana, by Joan Pope	AD A160 182
MP CERC-85-10	Sep 1985	Beach Changes on Eastern Cape Cod, Massachusetts, from Newcomb Hollow to Nauset Inlet, 1970-1974, by M. C. Miller and D. C. Aubrey (Appendixes A-F are available for loan from the Coastal Engineering Research Center, WESCW, US Army Engineer Waterways Experiment Station)	AD A163 155
MP CERC-85-11	Sep 1985	Annotated Bibliography of Sediment Transport Occurring Over Ebb-Tidal Deltas, by L. L. Weishar and M. L. Fields	AD A161 548
MP CERC-85-12	Sep 1985	Evaluation of Seismometer Wave Gage and Comparative Analysis of Wave Data at Yaquina and Coquille Bays, Oregon, by E. F. Thompson, G. L. Howell, and J. M. Smith (includes Appendix A)	AD A162 940
MP CERC-85-13	Sep 1985	Engineering Analysis of Beach Erosion at Homer Spit, Alaska, by O. P. Smith, J. M. Smith, M. A. Cialone, Joan Pope, and T. L. Walton (includes Appendixes A-E)	AD A165 132
MP CERC-86-1	Feb 1986	Beach Changes at Jones Beach, Long Island, NY, 1962-1974, by R. W. Morton, W. F. Bohlen, and D. G. Aubrey (includes Appendixes A-I)	AD A167 664
MP CERC-86-2	Feb 1986	Generalized Monitoring of SEASCAPE Installation at Cape Hatteras Lighthouse, North Carolina, by J. W. Forman	AD A167 339
MP CERC-86-3	Mar 1986	Floating Breakwater Prototype Test Program: Seattle, Washington, by E. E. Nelson and L. L. Broderick (includes Appendixes A-H)	AD A166 247
MP CERC-86-4	Mar 1986	An Annotated Bibliography of the Atlantic Remote Sensing Land-Ocean Experiment (ARSLOE), by S. E. Wagner and A. R. Sherlock (includes Appendix A)	AD A168 073

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MP CERC-86-5	Apr 1986	1984 Nearshore Surveys and Sediment Sampling, Assateague Island, Maryland, by M. W. Leffler, E. R. Smith, and Curt Mason (includes Appendixes A-D)	AD A168 726
Unnumbered	Apr 1986	Proceedings: West Coast Regional Coastal Design Conference, 7-8 November 1985, Oakland, California	AD A168 715
Unnumbered	Apr 1986	Proceedings of the 44th Meeting of the Coastal Engineering Research Board, 4-6 November 1985, Sausalito, California (includes Appendixes A-D)	AD A169 577
MP CERC-86-6	May 1986	Field Comparison of Four Nearshore Survey Systems, by J. E. Clausner, W. A. Birkemeier, and G. R. Clark	AD A169 035
MP CERC-86-7	May 1986	Calibration and Stability Characteristics of the Baylor Staff Wave Gage, by W. E. Grogg, Jr.	AD A169 607
MP CERC-86-8	Jul 1986	Stability Test of Modified Repair Options for San Pedro Breakwater, Los Angeles, California; Coastal Model Investigation, by R. C. Baumgartner, R. D. Carver, et al.	AD A171 876
MP CERC-86-9	Sep 1986	A Numerical Investigation of Astronomic Tidal Circulation in Puget Sound, by R. A. Schmalz, Jr.	AD A174 606
MP CERC-86-10	Aug 1986	Annotated Bibliography on Combined Wave Refraction and Diffraction, by P. L. -F. Liu, P. L. Boissevain, B. A. Ebersole, and N. C. Kraus	AD A175 801
MP CERC-86-11	Nov 1986	Parabolic Wave Equation for Surface Water Waves, by P. L. F. Liu	AD A175 674
MP CERC-86-12		A Numerical Investigation of Hurricane Induced Water Level Fluctuations in Lake Okeechobee:	
	Jun 1986	Report 1 Forecasting and Design, by R. A. Schmalz, Jr. (Appendixes A-G issued in separate volume)	AD A178 103
	Jun 1986	Report 2 Joint Probability Theoretics and Application, by R. A. Schmalz, Jr. (includes Appendixes A-G)	
MP CERC-86-13	Dec 1986	Drag on Naturally Rippled Beds Under Oscillatory Flows, by K. E. B. Lofquist (includes Appendixes A-I)	AD A176 862
MP CERC-86-14	Dec 1986	Yaquina Bay, Oregon, Tidal and Wave-Induced Currents Near the Jettied Inlet; Numerical Model Investigation, by M. A. Cialone	AD A179 822
Unnumbered	Dec 1986	Proceedings of the 45th Meeting of the Coastal Engineering Research Board, 14-16 May 1986, Fairbanks and Homer, Alaska (includes Appendixes A-C)	AD A179 755
* MP CERC-87-1	Dec 1987	A Method for Estimating Deterministic Water Waves Contaminated with Random Background Noise, by M. E. Andrew (includes Appendixes A-B)	AD B118 176
MP CERC-87-2	Feb 1987	Water Wave Effects at Redondo Beach King Harbor, California, by L. Z. Hales (includes Appendixes A-H)	AD A177 511
MP CERC-87-3	Feb 1987	Duck '85 Nearshore Waves and Currents Experiment, Data Summary Report, by J. M. Hubertz, C. E. Long, et al.	AD A177 419
MP CERC-87-4	Feb 1987	A Wind- and Wave-Driven Nearshore Current Model; The One-Dimensional Model, by J. M. Hubertz (includes Appendix A)	AD A178 751

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MP CERC-87-5	Feb 1987	Preliminary Design of a Landfill and Revetment on Bikini Island, Republic of the Marshall Islands, by O. P. Smith and Yen-hsi Chu (includes Appendix A)	AD A178 304
MP CERC-87-6	Mar 1987	Evaluation of Numerical Models for a Floating Breakwater, by Kozo Bando and C. J. Sonu (includes Appendixes A-B)	AD A179 788
MP CERC-87-7	Mar 1987	Short-Term Impoundment of Longshore Sediment Transport, by K. R. Bodge and R. G. Dean (includes Appendixes A-F)	AD A182 435
MP CERC-87-8	Sep 1987	Wave Transmission Characteristics of Various Floating and Bottom-Fixed Rubber-Tire Breakwaters in Shallow Water; Experimental Model Investigation, by D. G. Markle and M. A. Cialone (includes Appendix A)	AD A187 579
MP CERC-87-9	May 1987	A Numerical Model for Shoaling and Refraction of Second - Order Cnoidal Waves Over an Irregular Bottom, by T. A. Hardy and N. C. Kraus (includes Appendixes A-E)	AD A182 741
MP CERC-87-10	May 1987	A Numerical Model for Shoaling and Refraction of Third-Order Stokes Waves Over an Irregular Bottom, by M. A. Cialone and N. C. Kraus (includes Appendixes A-F)	AD A182 234
MP CERC-87-11	May 1987	Extreme Runup Statistics on Natural Beaches, by D. T. Resio	AD A182 709
MP CERC-87-12	Jun 1987	Duration of Extreme Wave Conditions, by O. P. Smith	AD A184 055
Unnumbered	Jun 1987	Proceedings of the 46th Meeting of the Coastal Engineering Research Board, 21-22 October 1986, Vicksburg, Mississippi (includes Appendixes A-D)	AD A184 177
* MP CERC-87-13	Jul 1987	Explosion-Generated Waves in Shallow Water; Field Investigation, by R. R. Bottin, Jr., and D. G. Outlaw (includes Appendix)	AD B115 071L
MP CERC-87-14	Aug 1987	Effects of Wave Action on a Hurricane Protection Structure for London Avenue Outfall Canal, Lake Pontchartrain, New Orleans, Louisiana, by R. R. Bottin, Jr., and M. G. Mize	AD A185 648
MP CERC-87-15	Sep 1987	Beach Erosion Control Study, Homer Spit, Alaska, by Yen-hsi Chu, M. B. Gravens, J. M. Smith, et al. (includes Appendixes A-F)	AD A187 016
MP CERC-87-16	Sep 1987	Nearshore Wave Transformation Study of Sites Near Port Canaveral Inlet, Florida, by W. A. Brown, R. M. Brooks, and E. F. Thompson (includes Appendixes A-B)	AD A186 965
MP CERC-87-17	Nov 1987	Flood Fight Techniques Workshop, 9-11 December 1986, New Orleans, Louisiana, by E. J. Hecker, D. D. Davidson, and D. G. Markle (includes Appendixes A-C)	AD A187 709
MP CERC-87-18	Nov 1987	Duck85 Photopole Experiment, by B. A. Ebersole and S. A. Hughes (includes Appendixes A-D)	AD A188 477

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MP CERC-87-19	Dec 1987	Lower Green Bay Hydrodynamic and Mass Transport; Numerical Model Study, by A. Swain and Sandra Bird (includes Appendix A)	AD A189 076
MP CERC-87-20	Dec 1987	Side-Scan Sonar Investigation of Breakwaters at Calumet and Burns Harbors on Southern Lake Michigan, by Andrew Morang	AD A189 415
MP CERC-87-21	Dec 1987	Floating Tire Breakwater Tests, Pickering Beach, Delaware, by P. J. Grace and J. E. Clausner	AD A189 312
MP CERC-88-1	Jan 1988	Laboratory Measurement of Spatial and Temporal Suspended Sediment Concentration Under Waves, by S. A. Hughes (includes Appendix A)	AD A191 074
MP CERC-88-2	Jan 1988	Port of Miami Numerical Model Study, by Aghimanyu Swain (includes Appendix A)	AD A190 505
MP CERC-88-3	Jan 1988	An Analytical Model of Wave-Induced Longshore Current Based on Power Law Wave Height Decay, by J. M. Smith and N. C. Kraus (includes Appendixes A-C)	AD A190 668
Unnumbered	Jan 1988	Proceedings of the 47th Meeting of the Coastal Engineering Research Board, 19-21 May 1987, Corpus Christi, Texas (includes Appendixes A-B)	
MP CERC-88-4	Feb 1988	Stable Three-Dimensional Bipерiodic Waves in Shallow Water, by N. W. Scheffner (includes Appendixes A-B)	AD A191 053
MP CERC-88-5	Feb 1988	Wave Conditions at Barnegat Inlet, New Jersey, 10 November 1984, by W. A. Brown, C. E. Abel, et.al. (includes Appendixes A-B)	AD A194 335
Unnumbered	Feb 1988	Proceedings, Workshop on Measurement and Analysis of Structural Response in Concrete Armor Units, 23-24 January 1985 (includes Appendixes A-D)	
MP CERC-88-6	Apr 1988	Monitoring Completed Coastal Projects: Operational Assessment of Floating Breakwaters, Puget Sound, Washington, by E. E. Nelson and J. M. Hemsley	AD A195 323
MP CERC-88-7	May 1988	Analysis of Sediment Transport in the Brazos River Diversion Channel Entrance Region, by M. L. Fields, L. L. Weishar, and J. E. Clausner (includes Appendixes A-B)	AD A193 979
MP CERC-88-8	May 1988	Tidal Elevations and Currents at Ponce De Leon Inlet, Florida, by J. M. Hemsley and M. J. Briggs	AD 195 872
MP CERC-88-9	Jul 1988	A Collection of Storm Erosion Field Data, by W. A. Birkemeier, R. J. Savage, and M. W. Leffler (includes Appendixes A-N)	AD A198 433
MP CERC-88-10	Jul 1988	Inlet Hydraulics at Green Harbor, Marshfield, Massachusetts, by L. L. Weishar and D. G. Aubrey (includes Appendixes A-C)	AD A198 196
MP CERC-88-11	Aug 1988	Comparison of Numerical and Physical Models of Wave Response in a Harbor, by P. L. Crawford and H. S. Chen (includes Appendix A)	AD A198 545

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MP CERC-88-12		Coastal Processes at Sea Bright to Ocean Township, New Jersey:	
	Aug 1988	Volume I Main Text and Appendix A, by N. C. Kraus N. W. Scheffner, et al.	AD A198 896
	Aug 1988	Volume II Appendixes B-G, by N. C. Kraus, M. B. Gravens, and D. J. Mark	AD A198 897
MP CERC-88-13	Aug 1988	SUPERDUCK Marine Meteorological Experiment Data Summary: Mean Values and Turbulence Parameters, by Sethu Raman and M. J. Kang (includes Appendixes A-C)	AD A199 748
Unnumbered	Aug 1988	Proceedings of the 48th Meeting of the Coastal Engineering Research Board; 4-6 November 1987; Savannah, Georgia	
MP CERC-88-14	Sep 1988	Nearshore Wind-Stress Measurements: Background Preliminary Field Work and Experiment Design, by C. E. Long and J. M. Hubertz (includes Appendix A)	AD A200 478
MP CERC-88-15	Oct 1988	Wave Refraction at Coos Bay, Oregon; Coastal Model Investigation, by E. R. Smith	AD A200 474
MP CERC-89-1	Jan 1989	Floating Breakwater Prototype Test Program: Summary of Data Analysis Efforts, by P. J. Grace and P. F. Mlakar	AD A205 250
MP CERC-89-2	Jan 1989	The Colonial Beach, Virginia, Detached Breakwater Project, by J. D. Rosati and Joan Pope	AD A205 338
MP CERC-89-3	Mar 1989	Coastal Ocean Dynamics Applications Radar (CODAR) Remote Sensing Demonstration Program, by D. B. Driver, E. F. Thompson, L. S. Lillycrop, and G. A. Barrick (includes Appendixes A-C)	AD A207 079
Unnumbered	Feb 1989	Proceedings of the 49th Meeting of the Coastal Engineering Research Board; 18-20 May 1988, Oconomowoc, Wisconsin (includes Appendixes A-B)	
MP CERC-89-4	Mar 1989	Los Angeles and Long Beach Harbors Model Enhancement Program: Current, Tide, and Wind Data Summary for 1983, by E. R. Smith (includes Appendixes A-D)	AD A207 076
MP CERC-89-5	Apr 1989	The Lakeshore Park, Ashtabula, Ohio, Breakwater Project, by J. D. Rosati, Joan Pope, Thomas Bender, and C. L. Truitt	AD A207 559
MP CERC-89-6	Jun 1989	Wave Forces on Vertical Walls: An Overview of Recent Work with Annotated Bibliography, by Theodore Green (includes Appendixes A-C)	AD A211 159
MP CERC-89-7	Jun 1989	The Effect of Breaking Waves on the Directional Spectrum of Waves in Water of Variable Depth in the Presence of Current, by C. C. Tung and Y. J. Cho (includes Appendix A)	AD A210 671
MP CERC-89-8	Jun 1989	Shore Normal Distribution of Heavy Minerals on Ocean Beaches: Southeast Atlantic Coast, by E. P. Meisburger	AD A210 258
MP CERC-89-9	Jul 1989	Physiographic and Geological Setting of the Coastal Engineering Research Center's Field Research Facility, by E. P. Meisburger, Charles Judge, and S. J. Williams	AD A210 772
MP CERC-89-10	Jul 1989	Oolites as a Natural Tracer in Beaches of Southeastern Florida, by E. P. Meisburger	AD A211 323

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MP CERC-89-11	Sep 1989	Coastal Processes from Asbury Park to Manasquan, New Jersey, by M. B. Gravens, N. W. Scheffner, and J. M. Hubertz (includes Appendixes A-D)	AD A213 533
MP CERC-89-12	Sep 1989	Typhoon Water Surface Analysis for West Coast of Saipan, Mariana Islands, by L. W. Chou	AD A213 892
MP CERC-89-13	Sep 1989	Effects of Entrance Channel Dredging at Morro Bay, California, by J. M. Kaihatu, L. S. Lillycrop, and E. F. Thompson (includes Appendixes A-D)	AD A214 472
MP CERC-89-14	Oct 1989	Numerical Model Computing Wave Propagations in an Open Coast, by T. -K. Tsay and P. L.-F. Liu (includes Appendixes A-E)	AD A215 043
MP CERC-89-16	Nov 1989	SUPERDUCK Nearshore Processes Experiment Data Summary, CERC Field Research Facility, by W. A. Birkenmeier, C. F. Baron, et al. (includes Appendixes A-H)	AD A215 700
MP CERC-89-17		Bolsa Bay, California, Proposed Ocean Entrance System Study:	
	Nov 1989	Report 4 Physical Model, by R. R. Bottin, Jr., and H. F. Acuff	AD A216 314
Unnumbered	Nov 1989	Proceedings of the 50th Meeting of the Coastal Engineering Research Board; 15-17 November 1988; Virginia Beach, Virginia (includes Appendixes A-C)	
MP CERC-89-18		SUPERDUCK Beach Sediment Sampling Experiment:	
	Dec 1989	Report 1 Data Summary and Initial Observations, by M. R. Byrnes (includes Appendixes A-B)	AD A217 409

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TR CERC-83-1		Shoreline Movements:	
	Jul 1983	Report 1 Cape Henry, Virginia, to Cape Hatteras, North Carolina, 1849-1980, by C. H. Everts, J. P. Battley, Jr., and P. N. Gibson	AD A135 069
	Jul 1983	Addendum to Shoreline Change Maps	
TR CERC-83-2	Sep 1983	Mathematical Modeling of Three-Dimensional Coastal Currents and Sediment Dispersion: Model Development and Application, by Y. P. Sheng (includes Appendixes A-F)	AD A136 857
TR CERC-83-3	Sep 1983	Jetty Stability Study, Oregon Inlet, North Carolina; Hydraulic Model Investigation, by R. D. Carver and D. D. Davidson (includes Appendix A)	AD A136 610
TR CERC-83-4	Dec 1983	Effects of Dolos Breakage on the Stability of Rubble-Mound Breakwater Trunks Subjected to Breaking and Nonbreaking Waves with no Overtopping, by D. G. Markle and D. D. Davidson (includes Appendix A)	AD A140 191
TR CERC-83-5	Dec 1983	Stability of Stone- and Dolos-Armored, Rubble-Mound Breakwater Trunks Subjected to Breaking Waves with no Overtopping, by R. D. Carver (includes Appendix A)	AD A141 545
TR CERC-84-1	Feb 1984	Annual Data Summary for 1980, CERC Field Research Facility, by H. C. Miller (includes Appendixes A-C)	AD A142 587
TR CERC-84-2	Apr 1984	Numerical Simulation of Oregon Inlet Control Structures' Effects on Storm and Tide Elevations in Pamlico Sound, by D. A. Leenknecht, J. A. Earickson, and H. L. Butler (includes Appendix A)	AD A142 920
TR CERC-84-3	Aug 1984	Barcelona Harbor, New York, Design for Harbor Improvements; Hydraulic Model Investigation, by R. R. Bottin, Jr. (includes Appendixes A-C)	AD A149 257
TR CERC-84-4	Oct 1984	Impact of I-664 Bridge/Tunnel Project on Wave Conditions at Newport News Harbor, Virginia; Hydraulic Model Investigation, by R. R. Bottin, Jr.	AD A148 185
TR CERC-84-5	Nov 1984	Buhne Point, Humboldt Bay, California, Design for the Prevention of Shoreline Erosion; Hydraulic and Numerical Model Investigations, by R. R. Bottin, Jr., and J. A. Earickson (includes Appendixes A-B)	AD A152 327
TR CERC-84-6	Nov 1984	Hurricane Alicia Storm Surge and Wave Data, by A. W. Garcia and T. H. Flor (includes Appendixes A-C)	AD A149 668
TR CERC-84-7	Dec 1984	The TMA Shallow-Water Spectrum Description and Applications, by S. A. Hughes (includes Appendix A)	AD A157 975
TR CERC-85-1	Mar 1985	Methods for Computing Confidence Intervals for Spectral Estimates in Monthly Reports of the California Coastal Data Information Program, by M. E. Andrew and L. E. Borgman (includes Appendixes A-D)	AD A156 971
TR CERC-85-2	Jun 1985	Effects of Proposed Harbor Modifications on Wave Conditions, Harbor Resonance, and Tidal Circulation at Fish Harbor, Los Angeles, California; Physical and Numerical Model Investigations, by R. R. Bottin, Jr., D. G. Outlaw, and W. C. Seabergh (includes Appendix A)	AD A157 888

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TR CERC-85-3	Jun 1985	Annual Data Summary for 1981, CERC Field Research Facility, by H. C. Miller, W. E. Grogg, Jr., et al. (includes Appendixes A-D)	AD A158 143
TR CERC-85-4	Jun 1985	Extremal Analysis of Hindcast and Measured Wind and Wave Data at Kodiak, Alaska, by M. E. Andrew, O. P. Smith, and J. M. McKee (includes Appendixes A-C)	AD A158 136
TR CERC-85-5	Sep 1985	An Investigation of Hurricane-Induced Forerunner Surge in the Gulf of Mexico, by Mahunnop Bunpaong, R. O. Reid, and R. E. Whitaker	AD A160 635
TR CERC-85-6	Sep 1985	Coastal and Inlet Processes Numerical Modeling System for Oregon Inlet, North Carolina, by S. R. Vemulakonda, Abhimanyu Swain, J. R. Houston, et al. (includes Appendix A)	AD A162 419
TR CERC-85-7	Oct 1985	Fisherman's Wharf Area, San Francisco Bay, California, Design for Wave Protection; Physical and Numerical Model Investigation, by R. R. Bottin, Jr., F. E. Sargent, and M. G. Mize (includes Appendix A)	AD A165 133
TR CERC-85-8	Nov 1985	Breakwater Rehabilitation Study, Crescent City Harbor, California; Coastal Model Investigation, by R. C. Baumgartner, R. D. Carver, and D. D. Davidson	AD A164 824
TR CERC-85-9	Nov 1985	Proceedings of the Floating Tire Breakwater Workshop, 8-9 November 1984, edited by C. T. Bishop, L. L. Broderick, and D. D. Davidson	AD A165 803
TR CERC-85-10	Dec 1985	Wave Stability Tests of Dolos and Stone Rehabilitation Designs for the East Breakwater, Cleveland, Ohio; Experimental Model Investigation, by D. G. Markle and W. G. Dubose	AD A165 836
TR CERC-85-11	Dec 1985	Mission Bay Harbor, San Diego County, California, Design for Wave and Surge Protection; Coastal Model Investigation, by R. R. Bottin, Jr., and H. F. Acuff, Jr.	AD A165 134
TR CERC-85-12	Dec 1985	Seawall and Revetment Stability Study, Cape Hatteras Lighthouse, North Carolina, by P. J. Grace and R. D. Carver	AD A166 974
TR CERC-86-1	Jan 1986	Detached Breakwaters for Shore Protection, by W. R. Dally and Joan Pope (includes Appendixes A-C)	AD A171 183
TR CERC-86-2	Feb 1986	Cost-Effective Optimization of Rubble-Mound Breakwater Cross Sections, by O. P. Smith (includes Appendixes A-E)	AD A169 319
TR CERC-86-3	Apr 1986	Seawall Boundary Condition in Numerical Models of Shoreline Evolution, by Hans Hanson and N. C. Kraus (includes Appendixes A-B)	AD A169 708
TR CERC-86-4		Regional Coastal Processes Numerical Modeling System:	
	Mar 1986	Report 1 RCPWAVE-A Linear Wave Propagation Model for Engineering Use, by B. A. Ebersole, M. A. Cialone, and M. D. Prater (includes Appendixes A-K)	AD A169 648

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TR CERC-86-5	May 1986	Annual Data Summary for 1982 CERC Field Research Facility, by H. C. Miller, M. W. Leffler, W. E. Grogg, Jr., et al. (includes Appendixes A-D)	AD A171 408
TR CERC-86-6	Aug 1986	Migration of Isles Dernieres: Past and Future, by L. D. Britsch (includes Appendix A)	AD A172 504
TR CERC-86-7	Sep 1986	Irregular Wave Overtopping of Seawall/Revetment Configurations, Roughans Point, Massachusetts; Experimental Model Investigation, by J. P. Ahrens, M. S. Heimbaugh, and D. D. Davidson (includes Appendixes A-B)	AD A172 520
TR CERC-86-8	Sep 1986	Frequency of Coastal Flooding at Roughans Point, Broad Sound, Lynn Harbor, and the Saugus-Pines River System, by T. A. Hardy and P. L. Crawford	AD A172 408
TR CERC-86-9	Sep 1986	Annual Data Summary for 1983 CERC Field Research Facility, by H. C. Miller, W. E. Grogg, Jr., et al. (includes Appendixes A-D)	AD A173 634
TR CERC-86-10	Oct 1986	Stability and Wave Transmission Response of Stone- and Dolos-Armored Rubble-Mound Breakwater Trunks Subjected to Extreme Wave Heights, by R. D. Carver and W. G. Dubose (includes Appendix A)	AD A174 437
TR CERC-86-11	Nov 1986	Annual Data Summary for 1984 CERC Field Research Facility, by H. C. Miller, W. E. Grogg, Jr., et al. (includes Appendixes A-D)	AD A175 773
TR CERC-86-12	Dec 1986	Review and Comparison of Methods for Estimating Irregular Wave Overtopping Rates, by S. L. Douglass	AD A178 346
TR CERC-87-1	Jan 1987	Sources of Coastal Engineering Information, by Yen-hsi Chu, R. B. Lund, and F. E. Camfield (includes Appendixes A-H)	AD A180 752
TR CERC-87-2		Coastal Response to Navigation Structures at Murrells Inlet, South Carolina:	
	Feb 1987	Volume I Main Text and Appendixes A and B, by S. L. Douglass	AD A179 044
	Feb 1987	Volume II Appendixes C through H, by S. L. Douglass	AD A179 045
TR CERC-87-3	Mar 1987	Design for Navigation Improvements, Wave Protection, and Breakwater Stability for Proposed Boat-Launching Facility, Laupahoehoe Point, Hawaii; Coastal Model Investigation, by R. R. Bottin, Jr., D. G. Markle, and M. G. Mize (includes Appendix A)	AD A180 448
TR CERC-87-4	Mar 1987	Wave Response of the Proposed Harbor at Agat, Guam; Numerical Model Investigation, by P. D. Farrar and H. S. Chen (includes Appendix A)	AD A180 489
TR CERC-87-5	Apr 1987	Sloping Float Breakwater Study, Oregon Inlet, North Carolina, by R. D. Carver, D. G. Markle, et al. (includes Appendix A)	AD A181 776

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TR CERC-87-7	Apr 1987	Tsunami Predictions for the Coast of Alaska: Kodiak Island to Ketchikan, by P. L. Crawford (includes Appendix A)	AD A181 775
TR CERC-87-8	Jun 1987	Feasibility Study of Quantitative Erosion Models for Use by the Federal Emergency Management Agency in the Prediction of Coastal Flooding, by W. A. Birkemeier, N. C. Kraus, et al. (includes Appendix A)	AD A184 023
TR CERC-87-9	Jul 1987	Beach and Nearshore Survey Data: 1981-1984, CERC Field Research Facility, by P. A. Howd and W. A. Birkemeier (includes Appendixes A-F)	AD A181 776
TR CERC-87-10	Jul 1987	Hurricane Elena Storm Surge Data; Report 3, by A. W. Garcia and W. S. Hegge (includes Appendix A)	AD A184 573
TR CERC-87-11	Aug 1987	Hurricane Danny Storm Surge Data; Report 4, by A. W. Garcia and W. S. Hegge (includes Appendix A)	AD A186 373
TR CERC-87-12	Aug 1987	Hurricane Kate Storm Surge Data; Report 5, by A. W. Garcia and W. S. Hegge (includes Appendix A)	AD A186 374
TR CERC-87-13		Annual Data Summary and Climatological Evaluation; CERC Field Research Facility, 1985:	
	Sep 1987	Volume I Main Text and Appendixes A-B, by H. C. Miller, Adele Militillo, et al.	AD A186 442
	Sep 1987	Volume II Appendix C, by H. C. Miller, Adele Militillo, et al.	AD A185 894
TR CERC-87-14	Sep 1987	Wave Group Analysis Based on Kimura's Method, by M. J. Briggs, (includes Appendixes A-D)	AD A187 610
TR CERC-87-15	Oct 1987	Analytical Solutions of the One-Line Model of Shoreline Change, by Magnus Larson, Hans Hanson, and N. C. Kraus (includes Appendixes A-H)	AD A188 182
TR CERC-87-16	Dec 1987	Combined Reflection and Diffraction by a Vertical Wedge, by H. S. Chen (includes Appendixes A-B)	AD A195 469
TR CERC-87-17	Dec 1987	Characteristics of Reef Breakwaters, by J. P. Ahrens (includes Appendixes A-C)	AD A189 036
TR CERC-87-18	Dec 1987	Stability of Stone- and Dolos-Armored Rubble-Mound Breakwater Heads Subjected to Nonbreaking Waves with Overtopping, by R. D. Carver, C. R. Herrington, and B. J. Wright (includes Appendix A)	AD A188 728
TR CERC-87-19	Dec 1987	Breaking Wave Spectrum in Water of Finite Depth in the Presence of Current, by C. C. Tung and N. E. Huang (includes Appendixes A-B)	AD A190 294

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TR CERC-88-1		Coastal Engineering Studies in Support of Virginia Beach, Virginia, Beach Erosion Control and Hurricane Protection Project:	
	Sep 1988	Report 2 Seawall Overtopping Evaluation, by W. J. Lillycrop, Joan Pope, and C. E. Abel (includes Appendixes A-C)	AD A199 954
TR CERC-88-3	Apr 1988	Kings Bay Coastal Processes Numerical Model, by S. R. Vemulakonda, N. W. Scheffner, J. A. Earickson, and L. W. Chou (includes Appendixes A-B)	AD A194 389
TR CERC-88-4	Apr 1988	Effectiveness of Expedient Levee-Raising Structures; Experimental Model Investigation, by D. G. Markie and M. S. Taylor	AD A194 519
TR CERC-88-5	May 1988	Approximate Upper Limit of Irregular Wave Runup on Riprap, by J. P. Ahrens and M. S. Heimbaugh (includes Appendix A)	AD A195 316
TR CERC-88-6	Jun 1988	Beach Profile Change Measured in the Tank for Large Waves, 1956-1957 and 1962, by N. C. Kraus and Magnus Larson (includes Appendixes A-D)	AD A199 657
TR CERC-88-7	Jul 1988	Beach Fill and Sediment Trap at Carolina Beach, North Carolina, by J. T. Jarrett and J. M. Hemsley	AD A197 835
TR CERC-88-8		Annual Data Summary for 1986 CERC Field Research Facility:	
	Aug 1988	Volume I Main Text and Appendix A, by H. C. Miller, Adele Militello, et al.	AD A197 853
	Aug 1988	Volume II Appendix B, by H. C. Miller, Adele Militello, et al.	AD A199 156
TR CERC-88-9	Aug 1988	Combined Diffraction and Reflection by a Vertical Wedge: PCDFRAC User's Manual, by J. M. Kaihatu and H. S. Chen (includes Appendixes A-C)	AD A199 649
TR CERC-88-10	Sep 1988	St. Paul Harbor Breakwater Stability Study, St. Paul, Alaska; Hydraulic Model Investigation, by D. L. Ward	AD A199 746
TR CERC-88-11		Unidirectional Spectral Wave Generation and Analysis in Wave Basins:	
	Sep 1988	Volume I Main Text and Appendix A, by M. J. Briggs	AD A199 749
	Sep 1988	Volume II Appendixes B through H, by M. J. Briggs	AD A199 750
TR CERC-88-12	Sep 1988	SUPERDUCK Nearshore Processes Experiment: Summary of Studies, CERC Field Research Facility, by R. A. Crowson, W. A. Birkemeier, H. M. Klein, and H. C. Miller (includes Appendix A)	AD A200 251
TR CERC-88-13	Sep 1988	St. Paul Harbor, St. Paul Island, Alaska, Design for Wave and Shoaling Protection; Hydraulic Model Investigation, by R. R. Bottin, Jr., and M. G. Mize	AD A200 353
TR CERC-88-14	Sep 1988	Jetty Rehabilitation Stability Study, Yaquina Bay, Oregon, by P. J. Grace and W. G. Dubose (includes Appendixes A-B)	AD A200 354

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR CERC-88-15	Sep 1988	Noyo River and Harbor, California, Design for Wave and Surge Protection; Coastal Model Investigation, by R. R. Bottin, Jr., H. F. Acuff, and D. G. Markle (includes Appendixes A-B)	AD A199 972
TR CERC-88-16	Nov 1988	Side-Scan Sonar Applications For Evaluating Coastal Structures, by J. E. Clausner and Joan Pope	AD A203 358
TR CERC-89-1	Feb 1989	Geomorphic and Coastal Process Analysis for Ship Channel Planning at Ship Island, Mississippi, by S. C. Knowles and J. D. Rosati	AD A206 906
TR CERC-89-2	Apr 1989	Stability Response of Stone- and Dolos-Armored, Rubble-Mound Breakwater Trunks Subjected to Spectral Waves, by R. D. Carver and B. J. Wright (includes Appendix A)	AD A208 028
TR CERC-89-3	May 1989	Investigation of Breakwater Stability at Presque Isle Peninsula, Erie, Pennsylvania, by P. J. Grace	AD A208 528
TR CERC-89-4	May 1989	Stability of Stone- and Dolos-Armored Rubble-Mound Breakwater Heads Subjected to Breaking and Nonbreaking Waves with No Overtopping, by R. D. Carver and M. S. Heimbaugh (includes Appendixes A-B)	AD A208 527
TR CERC-89-5	Jun 1989	Duck85 Surf Zone Sand Transport Experiment, by N. C. Kraus, K. J. Gingerich, and J. D. Rosati (includes Appendixes A-B)	AD A210 379
TR CERC-89-6	Jun 1989	Possible Interchange of Sediments Between a Beach and Offlying Linear Shoal, by E. P. Meisburger (includes Appendix A)	AD A210 256
TR CERC-89-7	Jul 1989	A Study of Sand Waves in the Panama City, Florida, Entrance Channel, by W. J. Lillycrop, J. D. Rosati, and D. D. McGehee (includes Appendixes A-B)	AD A211 123
TR CERC-89-8	Jul 1989 Revised	Infragravity Energy and its Implications in Nearshore Sediment Transport and Sandbar Dynamics, by Joan Oltman-Shay and K. K. Hathaway	AD A213 313
	Oct 1989	Errata Sheet	
TR CERC-89-9		SBEACH: Numerical Model for Simulating Storm-Induced Beach Change:	
	Jul 1989	Report 1 Empirical Foundation and Model Development, by Magnus Larson and N. C. Kraus (includes Appendixes A-B)	AD A212 212
TR CERC-89-10		Annual Data Summary for 1987, CERC Field Research Facility:	
	Sep 1989	Volume I Main Text and Appendixes A and B, by M. W. Leffler, K. K. Hathaway, B. L. Scarborough, et al.	AD A212 803
	Sep 1989	Volume II Appendixes C through E, by M. W. Leffler, K. K. Hathaway, B. L. Scarborough, et al.	AD A212 823
TR CERC-89-11	Sep 1989	Development of a Portable Sand Trap for use in the Nearshore, by J. D. Rosati and N. C. Kraus (includes Appendixes A-E)	AD A213 534

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR CERC-89-12	Sep 1989	Stability of Articulated Concrete Mattresses for Herbert Hoover DiKe Improvements, Lake Okeechobee, Florida; Coastal Model Investigation, by R. D. Carver, D. D. Davidson, and B. J. Wright	AD A214 463
TR CERC-89-13	Dec 1989	Wave Conditions for Proposed Harbor Development in Los Angeles Outer Harbor, Los Angeles, California; Coastal Model Investigation, by R. R. Bottin, Jr., and L. R. Tolliver	AD A218 755
TR CERC-89-14		Directional Spectral Wave Transformation in the Nearshore Region:	
	Nov 1989	Report 1 Directional Spectral Performance Characteristics, by M. J. Briggs, P. J. Grace, and R. E. Jensen (includes Appendixes A-G)	AD A215 208
TR CERC-89-16	Nov 1989	Los Angeles - Long Beach Harbor Complex 2020 Plan Harbor Resonance Analysis; Numerical Model Investigation, by F. E. Sargent	AD A215 206
TR CERC-89-18	Dec 1989	Noyo River and Harbor, California, Design for Wave Protection, Supplemental Tests; Coastal Model Investigation, by R. R. Bottin, Jr., and M. G. Mize	AD A217 027
TR CERC-89-19		GENESIS: Generalized Model for Simulating Shoreline Change:	
	Dec 1989	Report 1 Technical Reference, by Hans Hanson and N. C. Kraus (includes Appendixes A-F)	AD A217 305

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Wave Information Studies of U. S. Coastlines

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
WIS 2	Jan 1981	Atlantic Coast Hindcast, Deepwater, Significant Wave Information, by W. D. Corson, D. T. Resio, R. M. Brooks, et al. (includes Appendixes A-N)	AD A095 497
	Sep 1981	Errata Sheet No. 1	
WIS 3	May 1981	Comparisons of Hindcast and Measured Deepwater, Significant Wave Heights, by W. D. Corson and D. T. Resio (includes Appendix A)	AD A110 885
WIS 4	May 1982	Objective Specification of Atlantic Ocean Wind Fields from Historical Data, by D. T. Resio, C. L. Vincent, and W. D. Corson (includes Appendixes A-B)	AD A117 783
WIS 5	Mar 1982	The Estimation of Wind-Wave Generation in a Discrete Spectral Model, by D. T. Resio	AD A114 047
WIS 6	Mar 1982	Atlantic Coast Hindcast, Phase II: Wave Information, by W. D. Corson, D. T. Resio, R. M. Brooks, et al (includes Appendixes A-II)	AD A117 662
WIS 7	Apr 1982	Atlantic Coast Water-Level Climate, by B. A. Ebersole (includes Appendixes A-E)	AD A117 147
WIS 8	Sep 1983	Methodology for the Calculation of a Shallow-Water Wave Climate, by R. E. Jensen (includes Appendixes A-D)	AD A134 715
WIS 9	Jan 1983	Atlantic Coast Hindcast, Shallow-Water, Significant Wave Information, by R. E. Jensen (includes Appendixes A-I)	AD A129 642
WIS 10	Aug 1983	Sea-State Engineering Analysis System (SEAS), by D. S. Ragsdale (includes Appendixes A-B)	
WIS 11	May 1982	Theory and Calculation of the Nonlinear Energy Transfer Between Sea Waves in Deep Water, by B. A. Tracy and D. T. Resio (includes Appendixes A-B)	AD A117 989
WIS 12	Jan 1983	A Numerical Model for Wind-Wave Prediction in Deep Water, by D. T. Resio and B. A. Tracy (includes Appendixes A-D)	AD A125 385
	Mar 1985	Errata Sheet No. 1	
WIS 13	Sep 1984	Summary of Archived Atlantic Coast Wave Information Study: Pressure, Wind, Wave, and Water Level Data, by R. M. Brooks and W. D. Corson	AD A153 782
WIS 14	Mar 1986	Pacific Coast Hindcast, Deepwater Wave Information, by W. D. Corson, C. E. Abel, R. M. Brooks, et al. (includes Appendixes A-H)	AD A168 511
WIS 15	May 1985	Atlantic Coast Hindcast, Phase II Wave Information: Additional Extremal Estimates, by W. D. Corson and B. A. Tracy (includes Appendixes A-B)	AD A156 137
WIS 16	May 1987	Pacific Coast Hindcast Phase II, Wave Information, by W. D. Corson, C. E. Abel, et al.	AD A182 795
WIS 17	Mar 1989	Pacific Coast Hindcast Phase III, North Wave Information, by R. E. Jensen, J. M. Hubertz, and J. B. Payne (includes Appendixes A-F)	AD A207 189
WIS 18	May 1989	Gulf of Mexico Hindcast Wave Information, by J. M. Hubertz and R. M. Brooks (includes Appendixes A-F)	AD A208 899

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
WIS 19	Apr 1989	Hurricane Hindcast Methodology and Wave Statistics for Atlantic and Gulf Hurricanes from 1956-1975, by C. E. Abel, B. A. Tracy, et al. (includes Appendixes A-D)	AD A207 849

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Contract Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
CR EL-89-1	Jan 1989	Interdisciplinary Workshop on the Physical-Chemical-Biological Processes Affecting Archeological Sites, by C. C. Mathewson (includes Appendix A)	AD A206 815
* CR EL-89-2	Apr 1989	Radar Cross Section Signatures of Fixed Installations, by N. C. Currie, E. E. Martin, and P. D. Moore (includes Appendix)	AD B134 253
CR EL-89-3	Aug 1989	Reservoir Bank Erosion and Cultural Resources: Experiments in Mapping and Predicting the Erosion of Archeological Sediments at Reservoirs Along the Middle Missouri River with Sequential Historical Aerial Photographs, by J. I. Ebert, E. L. Camilli, and LuAnn Wandsnider (includes Appendixes A-B)	AD A212 709
CR EL-89-4	Sep 1989	Archeological Inundation Studies: Manual for Reservoir Managers, by J. A. Ware (includes Appendix A)	AD A213 319
* CR EL-89-5	Nov 1989	Soil Media Anomaly Detection by Remote Sensing, by D. C. Kraft, Raymond K. Moore and Richard K. Moore	AD B139 656

* Statement B. See Preface.

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Instruction Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR EL-80-1	Dec 1980	Guide for Nuclear Meter Roof Moisture Surveys, by L. E. Link, Jr., and C. A. Miller	AD A093 219
IR EL-82-1	Dec 1982	User Guide for CE-QUAL-ELV2: A Longitudinal-Vertical, Time-Varying Estuarine Water Quality Model, by E. M. Buchak and J. E. Edinger (includes Appendixes A-H)	AD A125 713
IR EL-83-1	Mar 1983	Restoration Techniques for Problem Soils at Corps of Engineers Construction Sites (Draft), by Michael Clar, Robert Kort, Homer Hopkins, et al. (includes Appendixes A-H)	
IR EL-83-2	Sep 1983	An Instruction Report on Freshwater Mussels, by A. C. Miller and D. A. Nelson	AD A133 638
IR EL-84-1	Jan 1985	A Low-Cost Transplanting Technique for Shoalgrass (<u>Haetodula wrightii</u>) and Manatee Grass (<u>Syringodium filiforme</u>), by M. S. Fonseca, W. J. Kenworthy, K. M. Cheap, et al.	AD A153 635
IR EL-85-1	Mar 1985	User Guide for WIFM-SAL: A Two-Dimensional Vertically Integrated, Time-Varying Estuarine Transport Model, by R. A. Schmalz, Jr. (includes Appendixes A-E)	AD A157 446
IR EL-85-2	May 1985	Restoration of Problem Soil Materials at Corps of Engineers Construction Sites, by C. R. Lee, J. G. Skogerboe, Kurt Eskew, et al. (includes Appendixes A-H)	AD A157 649
* IR EL-85- (Draft)	Oct 1985	CEDERR Searching: A User's Guide, by P. F. Chen (includes Appendixes A-C)	AD B101 235L
IR EL-85-3	Dec 1985	Habitat Evaluation Methods Notebook	
	Aug 1987	Change 1	
	Feb 1988	Change 2	
IR EL-88-1	Mar 1988	Visual Resources Assessment Procedure for US Army Corps of Engineers, by R. C. Smardon, J. F. Palmer, Alfred Knopf, et al. (includes Appendixes A-C)	AD A196 308

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-79-1	Apr 1979	Terrain Characteristics at DIRT-I Test Site, White Sands Missile Range, New Mexico, by C. A. Miller	AD A069 121
MP EL-79-2	Apr 1979	Effects of Freezing Temperatures and Frozen-Ground Conditions on Enclosed-Wire-in-Tube Response, by C. A. Miller	AD A069 065
MP EL-79-4	Aug 1979	Applications of MAPS to the Salinas-Monterey Urban Study, by T. M. Walski and A. C. Gibson (includes Appendixes A and C-E)	AD A074 536
	Aug 1979	Appendixes B and F-G	AD A074 543
MP EL-79-5	Nov 1979	Thermal Modeling of Battlefield Scene Components, by L. E. Link, Jr. (includes Appendixes A-B)	AD A080 915
MP EL-79-6		Military Hydrology:	
	Dec 1979	Report 1 Status and Research Requirements, by Wesley James and L. E. Link, Jr. (includes Appendixes A-d)	AD A081 038
	Jul 1980	Report 2 Formulation of a Long-Range Concept for Streamflow Prediction Capability, by W. P. James	AD A088 448
	Jun 1981	Report 3 A Review of Army Doctrine on Military Hydrology, by D. L. Stinson (includes Appendix A)	AD A103 082
	Nov 1981	Report 4 Evaluation of an Automated Water Data Base for Support to the Rapid Deployment Joint Task Force (RDJTF), by H. W. Calkins and T. R. Johnson (includes Appendix A)	AD A109 590
	Oct 1984	Report 6 Assessment of Two Currently "Fieldable" Geophysical Methods for Military Ground-Water Detection, by D. K. Butler and J. L. Llopis (includes Appendix A)	AD A148 988
	Sep 1985	Report 8 Feasibility of Utilizing Satellite and Radar Data in Hydrologic Forecasting, by B. T. Miers and G. L. Huebner (includes Appendix A)	AD A160 615
	Feb 1985	Report 9 State-of-the-Art Review and Annotated Bibliography of Dam-Breach Flood Forecasting, by R. A. Wurbs (includes Appendix A)	AD A155 383
	Jun 1986	Report 10 Assessment and Field Examples of Continuous Wave Electromagnetic Surveying for Groundwater, by D. K. Butler	AD A171 170
		Report 12 Case Study Evaluation of Alternative Dam-Breach Flood Wave Models:	
	Nov 1986	Volume I Main Report, by R. A. Wurbs	AD A175 159
	Nov 1986	Volume II Teton Case Study, by R. A. Wurbs (includes Appendixes A-E)	AD A177 068

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MP EL-79-6 (Cont'd)		Report 12 (Cont'd)	
	Nov 1986	Volume III Hypothetical Prismatic Channel Case Study by R. A. Wurbs (includes Appendixes A-F)	AD A175 160
	Nov 1986	Volume IV Laurel Run Case Study, by R. A. Wurbs (includes Appendixes A-E)	AD A177 533
	Jun 1986	Report 13 Comparative Evaluation of Dam-Breach Flood Forecasting Methods, by R. A. Wurbs	AD A170 641
	Aug 1989	Report 14 Breach Erosion of Earth-Fill Dams and Flood Routing (BEED) Model, by V. P. Singh and P. D. Scarlatos (includes Appendixes A-D)	AD A214 990
	Nov 1987	Report 15 The Seismic Refraction Compression-Shear Wave Velocity Ratio as an Indicator of Shallow Water Tables: A Field Test, by Christine Schuyler-Rossie (includes Appendixes A-B)	AD A189 709
	Jun 1989	Report 16 Assessment of Shuttle Imaging Radar and Landsat Imagery for Ground-Water Exploration in Arid Environments, by H. C. MacDonald, B. C. Clark, D. S. Taylor, et al.	AD A209 527
	Jul 1989	Report 17 A Quasi-Conceptual Linear Model for Synthesis of Direct Runoff with Potential Application to Ungaged Basins, by V. P. Singh (includes Appendixes A-C)	AD A212 624
MP EL-80-1	Jan 1980	Digital Terrain and Mobility Data Bases for E-FOSS, by H. W. West, Daniel Krivitzky, and D. D. Randolph (includes Appendix A)	AD A080 920
	Jul 1980	Errata Sheet No. 1	
MP EL-80-2	Jun 1980	Survey of Marine Wetland and Estuarine Water Quality and Ecological Problems in Corps of Engineers Field Offices, by Peter Hamilton (includes Appendix A)	AD A088 171
MP EL-80-3	Sep 1980	Marine Wetland and Estuarine Processes and Water Quality Modeling; Workshop Report and Recommendations, by Peter Hamilton (includes Appendix A)	AD A089 961
MP EL-80-4	Oct 1980	The Relation of Flood Timing and Duration to Variation in Selected Bottomland Hardwood Communities of Southern Arkansas, by R. T. Huffman	AD A098 020
Unnumbered		Report of the Third Sensor Technology Symposium, 25-27 September 1979:	
*	Nov 1980	Volume I Unclassified Papers	AD B057 291L
MP EL-80-5	Dec 1980	Biological Assessment of Upper Mississippi River Sediments, by Richard Peddicord, Henry Tatem, Alfreda Gibson, and Susan Pedron (includes Appendix A)	AD A094 248
MP EL-81-1	Jan 1981	Water Main Repair/Replacement for Binghamton, N. Y., by T. M. Walski and Anthony Pelliccia (includes Appendixes A-C)	AD A095 361

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-81-2	Jan 1981	Selected References on Innovative/Alternative Waste-water Collection Systems for Corps of Engineers Recreation Areas, by F. M. Kelsi and M. J. Cullinane, Jr.	AD A096 112
MP EL-81-3	Jul 1981	Rayleigh Wave Velocity Measurements Using Broad Band Frequency Sources, by Otis Williams (includes Appendixes A-C)	AD A102 797
MP EL-81-4	Aug 1981	Inclusion of a Simple Vegetation Layer in Terrain Temperature Models for Thermal Infrared (IR) Signature Prediction, by L. K. Balick, R. K. Scoggins, and L. E. Link, Jr. (includes Appendix A)	AD A104 469
MP EL-81-5	Sep 1981	Ecological Investigation of a Greentree Reservoir in the Delta National Forest, Mississippi, by C. J. Newling (includes Appendixes A-C)	AD A120 408
MP EL-81-6	Sep 1981	Plant Bioassay of Material from the Blue River Dredging Project, by B. L. Folsom, Jr., C. R. Lee, and K. M. Preston (includes Appendix A)	AD A104 986
MP EL-81-7	Sep 1981	Innovation/Alternative Wastewater Collection Systems for Corps of Engineers Recreation Areas, by M. J. Cullinane, Jr.	AD A105 497
MP EL-81-8	Sep 1981	Site Characterization for the MBCE/DIRT II Battle-field Environment Tests, by J. B. Mason and K. S. Long (includes Appendix A)	AD A107 338
MP EL-81-9	Nov 1981	Estuarine Laterally Averaged Numerical Dynamics; The Development and Testing of Estuarine Boundary Conditions in the LARM Code, by J. E. Edinger and E. M. Buchak	AD A109 712
MP EL-81-10	Dec 1981	Site Characterization for AAH/HELLFIRE Battlefield Obscuration Validation Tests at Redstone Arsenal, Ala., by J. B. Mason and K. S. Long (includes Appendix A)	AD A110 067
MP EL-81-11	Dec 1981	Feeding Habits and Food of the Fishes of Mississippi Sound and Adjacent Coastal Areas; A Bibliography with Abstracts, by D. G. Clarke and H. L. Horstmann	AD A111 277
MP EL-81-12	Dec 1981	Animal Substrate Relationships and Productivity of Invertebrate Macrobenthos of Mississippi Sound and Adjacent Coastal Areas; A Bibliography with Abstracts, by J. D. Lunz and H. L. Horstmann	AD A111 297
MP EL-82-1	Jan 1982	Evaluation of Marsh/Estuarine Water Quality and Ecological Models: An Interim Guide, by R. W. Hall, Jr.	AD A111 298
Unnumbered	May 1982	Report of Freshwater Mollusks Workshop, 19-20 May 1981, compiled by C. A. Miller	AD A118 221
MP EL-82-2	Sep 1982	Computer-Aided Watershed Analysis, by V. E. LaGarde	AD A129 681
MP EL-82-3	Sep 1982	Toxic Metal Removal from Electroplating Wastewater Using Silylated Silica Gel, by P. G. Malone and R. A. Karn	AD A120 030
MP EL-82-4	Oct 1982	An Evaluation of Methods for Measuring Surface Temperature, by Gunter Hubner and C. L. Gladen	AD A122 790

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-82-5	Oct 1982	Water Supply Analysis for the Guam Comprehensive Study, by T. M. Walski	AD A122 614
MP EL-82-7	Oct 1982	An Annotated Bibliography for Cleanup of Hazardous Waste Disposal Sites, by A. J. Green	AD A138 833
MP EL-83-1	Jan 1983	Design of Gravel Bar Habitat for the Tombigbee River Near Columbus, Miss., by A. C. Miller, R. H. King, and J. E. Glover (includes Appendixes A-B)	AD A125 814
MP EL-83-2	Mar 1983	Site Characterization for Smoke Week III Battlefield Obscuration Tests at Eglin Air Force Base, Florida, by J. B. Mason and K. S. Long (includes Appendix A)	AD A129 621
MP EL-83-3	Jun 1983	Two-Equation, Depth-Integrated Turbulence Closure for Modeling Geometry-Dominated Flows, by R. S. Chapman	AD A132 347
MP EL-83-4	Sep 1983	Site Characterization and Debris Measurement in the Joint Munitions Dust Test Series at Fort Polk, Louisiana, by J. B. Mason and K. S. Long	AD A134 729
MP EL-83-5	Sep 1983	Computer Modeling of Hydrodynamics and Solute Transport in Canals and Marinas; Literature Review and Guidelines for Future Development, by Raymond Walton	AD A133 850
MP EL-83-6	Sep 1983	Proceedings of Symposium on Cost Estimating for Water Supply Planning Studies, edited by T. M. Walski	AD A134 010
**MP EL-83-8	Sep 1983	Using a Remotely Sensed Spatial Database for Environmental Analysis, by T. J. Hodgini (includes Appendixes A-B)	
Unnumbered	Oct 1983	Report of Freshwater Mussels Workshop; 26-27 October 1982, compiled by A. C. Miller	AD A139 620
MP EL-84-1	Jan 1984	Survey of Automated Statewide Natural Resource Information Systems, by E. M. Causey (includes Appendix A)	AD A139 017
* MP EL-84-2	Apr 1984	Short Perimeter Intrusion Radar and Ported Coaxial Cable Sensor Slot/Seal Study, by L. N. Godwin (includes Appendix A)	AD B083 557L
* MP EL-84-3	May 1984	A Review of Research and Doctrine on Mine Deployment in Urban Terrain, by T. J. Hodgini	AD B083 713L
MP EL-84-4	Jun 1984	An Implicit, Wiggle-Free, and Accurate Upstream Finite-Difference Algorithm for the One-Dimensional Transport-Diffusion Equation, by D. R. Basco (includes Appendix A)	AD A143 141
MP EL-84-5	May 1984	Handbook for the Institutional and Financial Implementation of Water Utilities, by M. J. Cullinane, Jr., and J. S. Condra (includes Appendixes A-G)	AD A143 022
Unnumbered		Report of the Fourth Sensor Technology Symposium, 26-28 April 1983:	
*	Jul 1984	Volume I Unclassified Papers	AD B091 801

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* Unnumbered	Aug 1984	Battlefield Dust Environment Workshop, by J. B. Mason and Adarsh Deepak (includes Appendixes A-D)	AD B086 446L
MP EL-84-6	Sep 1984	Results of Fort Carson, Colorado, Terrain Dust Obscuration Tests Using Explosives; Soil, Crater, and Dust Cloud Properties, by K. S. Long, J. B. Mason, and B. P. Durst	AD A148 501
MP EL-84-7	Oct 1984	Restoration of Pyritic Soils and the Quantification of Erosion Control, by C. R. Lee and J. R. Skogerboe	AD A149 217
MP EL-84-8	Dec 1984	Overwash Processes and Foredune Ecology, Nauset Spit, Massachusetts, by R. E. Zaremba and S. P. Leatherman	AD A157 433
* Unnumbered	Dec 1984	Battlefield Dust Environment Symposium I, edited by J. B. Mason and Adarsh Deepak	AD B089 363L
Unnumbered	Dec 1984	Proceedings of the Ground-Water Detection Workshop, 12-14 January 1982, Vicksburg, Mississippi, compiled by E. A. Dardeau, Jr.	AD A154 053
MP EL-85-1	Apr 1985 Reprinted	Status and Source of Habitat Models and Literature Reviews, December 1984, by T. H. Roberts, L. J. O'Neil, and W. E. Jabour	AD A156 899
MP EL-85-2	Aug 1985	Selection of Turbulence and Mixing Parameterizations for Estuary Water Quality Models, by K. W. Bedford (includes Appendix A)	AD A159 510
MP EL-85-3	Sep 1985	Southwest Mississippi Tributaries Study Area Environmental Inventory--Wildlife Resources, by W. A. Mitchell and C. O. Martin (includes Appendixes A-E)	AD A161 894
MP EL-85-4	Sep 1985	Water Supply Analysis Study for the Island of Saipan, by J. S. Condra (includes Appendixes A-F)	AD A161 830
MP EL-85-5	Oct 1985	Environmental Planning and Management Alternatives for the Tennessee-Tombigbee Corridor, by J. E. Henderson and J. W. Teaford (includes Appendixes A-C)	AD A164 307
MP EL-85-6	Oct 1985	Culture and Toxicity Tests Using Los Angeles District Bioassay Animals, <i>Acanthomyxis</i> and <i>Neanthes</i> , by H. E. Tatem and A. S. Portzer (includes Appendix A)	AD A165 468
MP EL-85-7	Nov 1985	Innovative Solidification Techniques for Hazardous Wastes at Army Installations, by T. E. Myers (includes Appendix A)	AD A163 448
MP EL-85-8	Nov 1985	Species Selection for Habitat Assessments, by T. H. Roberts and L. J. O'Neil	
MP EL-85-9	Oct 1985	Water Quality Studies: Richard B. Russell and Clarks Hill Lakes; First Annual Interim Report, by W. F. James, R. H. Kennedy, S. P. Schreiner, et al. (includes Appendix A)	AD A164 329
* Unnumbered	Oct 1985	Battlefield Dust Environment Symposium II, by K. S. Long and Adarsh Deepak	AD B103 395
MP EL-85-10	Dec 1985	Effects of Water Level Changes on Fishes of the Yazoo River Basin, Mississippi, by K. J. Killgore and A. C. Miller (includes Appendixes I-IV)	AD A164 145

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-86-1	Jan 1986	A Review and Evaluation of Reliability Concepts for Design of Water Distribution Systems, by L. W. Mays and M. J. Cullinane (includes Appendixes A-B)	AD A165 859
MP EL-86-2	Jan 1986	Remedial Investigation of Contaminant Mobility at Naval Weapons Station, Concord, California, by C. R. Lee, L. J. O'Neil, E. J. Clairain, et al. (includes Appendixes)	AD A165 127
	Jun 1988	Subtitle Appendix 2.5 - 1986/87 Data, by C. R. Lee, L. J. O'Neil, D. L. Brandon, et al.	AD A195 946
MP EL-86-3	Feb 1986	Feasibility Study of Contamination Remediation at Naval Weapons Station, Concord, California, by M. J. Cullinane, Jr., C. R. Lee, L. J. O'Neil, and E. J. Clairain	AD A165 623
	Sep 1988	Volume I Remedial Action Alternatives, by M. J. Cullinane, Jr., C. R. Lee, and L. J. O'Neil (includes Appendixes A-C)	AD A199 116
MP EL-86-4	Mar 1986	Water Quality Study of Proposed Reregulation Dam Downstream of Wolf Creek Dam, Cumberland River, Kentucky, by J. L. Martin	AD A167 132
MP EL-86-5	Jun 1986	Calibration of a Water Quality Model for Lake Ashatabutla, North Dakota, by J. H. Wlosinski (includes Appendixes A-C)	AD A171 871
MP EL-86-6	Jun 1986	Bioassessment Methodologies for the Regulatory Testing of Freshwater Dredged Material; Proceedings of a Workshop, by T. M. Dillon and A. B. Gibson (includes Appendixes A-E)	AD A170 870
MP EL-86-7	Jun 1986	A Survey for Live Mussels in the Black and Spring Rivers, Arkansas, 1985, by A. C. Miller and P. D. Hartfield	AD A171 515
MP EL-86-8	Aug 1986	Long-term Effectiveness of Capping in Isolating Dutch Kills Sediment from Biota and the Overlying Water, by J. M. Brannon, R. E. Hoeppel, Issac Smith, Jr., and Douglas Gunnison (includes Appendix A)	AD A172 353
MP EL-86-9	Aug 1986	Investigation of Water Quality and Fisheries of the Black River Lake-Cocodrie Lake Area, Louisiana, by L. G. Sanders, R. E. Coleman, and R. C. Gunkel	AD A172 169
MP EL-86-10	Oct 1986	A Source Manual of Raptors Occurring on Corps of Engineers Lands in the Pacific Northwest Region, by T. L. Fleming and M. F. Passmore	AD A175 885
MP EL-86-11	Nov 1986	Effects of Flow Alterations on Trout Habitat in the Cumberland River Below Wolf Creek Dam, Kentucky, by J. L. Martin, L. T. Curtis, and J. M. Nestler (includes Appendixes A-E)	AD A176 481
MP EL-86-12	Dec 1986	Water Quality Studies: Richard B. Russell and Clarks Hill Lakes: Second Annual Interim Report (includes Appendix A)	AD A181 412
MP EL-87-1	Mar 1987	Effects of Norfolk Harbor Deepening on Management of Craney Island Disposal Area, by D. F. Hayes (includes Appendixes A-C)	

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-87-2	Mar 1987	Comparative Effects on Trout Habitat of Hydropower Modification with and Without Reregulation in the Cumberland River Below Wolf Creek Dam, Kentucky, by L. T. Curtis, J. M. Nestler, and J. L. Martin	AD A179 787
MP EL-87-3	Apr 1987	A Study of <u>Orconectes Shoupi</u> , Mill Creek Basin, Tennessee, 1985, by A. C. Miller and P. D. Hartfield (includes Appendixes A-B)	AD A181 210
MP EL-87-4	Apr 1987	Application of the Habitat Evaluation Procedures in the Cypress Bayou Basin, Texas, by K. J. Killgore and P. M. Hathorn (includes Appendixes A-J)	AD A182 788
MP EL-87-5	Jun 1987	A Survey for Molluscs in the White River Near Newport, Arkansas, 1986, by A. C. Miller and J. L. Harris (includes Appendix A)	AD A182 973
MP EL-87-6	Apr 1987	Preliminary Assessment of Bioaccumulation of Metals and Organic Contaminants at the Times Beach Confined Disposal Site, Buffalo, N.Y., by J. M. Marquenie, J. W. Simmers, and S. H. Kay	AD A183 958
MP EL-87-7	Jul 1987	Use of Habitat Evaluation Procedures in Estuarine and Coastal Marine Habitats, by D. A. Nelson	AD A185 613
MP EL-87-8	Aug 1987	Physical Effects of Commercial Navigation Traffic in Large Waterways; Summary of a Workshop Held in Louisville, Kentucky, 4 March 1986, by A. C. Miller and T. S. Siemsen	AD A184 446
MP EL-87-9		Disposal Alternatives for PCB-Contaminated Sediments From Indiana Harbor, Indiana:	
	Aug 1987	Volume I Main Text	
	Aug 1987	Volume II Appendixes A-J	
MP EL-87-10	Oct 1987	Investigation of the Fisheries of Africa, Buck, and Judd Lakes, Louisiana, by L. G. Sanders and J. A. Baker	AD A188 978
* MP EL-87-11	Oct 1987	Red River Water Quality Modeling Study, by J. L. Martin	AD B118 378L
MP EL-87-12	Nov 1987	Management of Environmental Resources of Cutoff Bends Along the Tennessee-Tombigbee Waterway, by F. D. Shields, Jr. (includes Appendixes A-B)	AD A190 426
MP EL-87-13	Nov 1987	Recent Developments in the Analysis of Metals in Water, Wastewater, and other Matrices, by L. W. Jones, M. J. Cullinane, Jr., and J. N. Jones (includes Appendixes A-D)	AD A189 416
MP EL-87-14	Nov 1987	Community Habitat Suitability Models for Warmwater Fishes, by A. C. Miller, K. J. Killgore, B. S. Payne, and Johnny Franklin	AD A190 427
MP EL-87-15	Dec 1987	Development of a Model to Predict Longitudinal Water Temperatures for the Rogue River, Oregon, by D. E. Hamlin and J. M. Nestler (includes Appendixes A-B)	AD A189 074
MP EL-88-1	Feb 1988	Demonstrations of Innovative and Conventional Dredging Equipment at Calumet Harbor, Illinois, by D. F. Hayes, T. N. McLellan, and C. L. Truitt (includes Appendixes A-B)	AD A191 064
MP EL-88-2	Feb 1988	Predicting Internal Roughness in Water Mains, by T. M. Walski, W. W. Sharp, and F. D. Shields, Jr.	AD A194 321

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-88-3	Feb 1988	Proceedings of the US Army Corps of Engineers Riparian Zone Restoration and Management Workshop, 24-27 February 1986, by C. O. Martin and H. H. Allen (includes Appendixes A-C)	AD A203 237
MP EL-88-4	Mar 1988	Biological and Physical Conditions at a Newly Placed Gravel Bar Habitat in the Tombigbee River, by A. C. Miller, K. J. Killgore, R. H. King, and T. J. Naimo (includes Appendix A)	AD A193 879
* MP EL-88-5	Apr 1988	Terrain Characterization for Artillery-Delivered Expendable Jammer (ADEXJAM) Test Program, by R. Williams, T. E. Berry, and F. A. Clark (includes Appendix A)	AD B120 738L
MP EL-88-6	Apr 1988	Eutrophication Assessment and Management at Tioga, Hammond, Cowanesque, Whitney Point, and East Sidney Lakes, Pennsylvania-New York, by R. H. Kennedy, S. L. Ashby, R. F. Gaugush, and R. C. Gunkel, Jr. (includes Appendixes A-D)	AD A193 422
MP EL-88-7	Apr 1988	Ported Coaxial Cable Sensor (PCCS) Predeployment Site Characterization Survey Report, Ellsworth Air Force Base, South Dakota, by R. D. Sumner (includes Appendix A)	
MP EL-88-8	Jun 1988	Mussels of the East Fork of the Tombigbee River, Monroe and Itawamba Counties, Mississippi, by A. C. Miller and P. D. Hartfield (includes Appendix A)	AD A197 129
MP EL-88-9	Aug 1988	Work Plan for Three-Dimensional Time-Varying, Hydrodynamic and Water Quality Model of Chesapeake Bay, by M. S. Dortch, C. F. Cerco, D. L. Robey, et al. (includes Appendix A)	AD A199 326
MP EL-88-10	Aug 1988	Predicted Effects of Hydropower Uprate on Trout Habitat in the Cumberland River, Downstream of Wolf Creek Dam, Kentucky, by J. M. Nestler, J. A. Gore, L. T. Curtis, and J. L. Martin (includes Appendixes A-E)	AD A200 562
MP EL-88-11	Sep 1988	Biological and Physical Effects of Missouri River Spur Dike Notching, by C. H. Pennington, F. D. Shields, Jr., J. W. Sjostrom, and K. A. Myers (includes Appendix A)	AD A199 779
* MP EL-88-12	Sep 1988	Dominant Terrain Conditions in the Proposed Montana SICBM/HML Basing Area, by M. R. Kress	AD B128 443
MP EL-88-13	Sep 1988	Summary of Corps of Engineers Methodologies for Modeling Water Quality of Estuaries and Coastal Embayments, by R. W. Hall, M. S. Dortch, and S. L. Bird	AD A199 898
MP EL-88-14		Characteristics of Operational Environments for Wide-Area Mine Design and Evaluation:	
*	Nov 1988	Report 1 Preliminary Evaluation, by P. L. Doiron, Bruce Sabol, and C. A. Miller	AD B129 067L
MP EL-88-15	Nov 1988	Evaluation of Dredged Material for use as Sanitary Landfill Cover, by M. E. Poindexter (includes Appendixes A-B)	AD A203 107
* Unnumbered	Nov 1988	Battlefield Dust Environment Symposium III, edited by R. R. Williams and R. E. Davis	AD B128 953
MP EL-88-16	Dec 1988	Water Quality Studies: Richard B. Russell and J. Strom Thurmond Lakes; Third Annual Interim Report, by J. J. Hains, R. C. Gunkel, Jr., J. H. Carroll, et al. (includes Appendix A)	AD A203 523

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP EL-88-17	Dec 1988	Dye Tracer Study at the Saginaw Bay, Michigan, Confined Disposal Facility, by P. R. Schroeder and B. M. McEnroe (includes Appendix A)	AD A203 682
MP EL-88-18	Dec 1988	Investigation of Environmental Problems in the Big Eau Pleine Reservoir, Wisconsin, by Douglas Gunnison and J. W. Barko	AD A203 691
MP EL-89-1	Apr 1989	Responses to Comments, by C. R. Lee, M. J. Cullinane, Jr., L. J. O'Neil, et al.	AD A206 781
MP EL-89-2	Apr 1989	Proceedings of the Fifth Corps Chemist Meeting, 17-18 May 1988, by A. B. Strong, K. F. Myers, and G. M. Warren	AD A208 420
MP EL-89-3	May 1989	Theoretical Models for Evaluation of Volatile Emissions to Air During Dredged Material Disposal with Applications to New Bedford Harbor, Massachusetts, by L. J. Thibodeaux (includes Appendixes A-B)	AD A208 915
MP EL-89-4	Jun 1989	A Workshop to Investigate Techniques to Analyze Physical and Biological Effects of Commercial Navigation Traffic, by A. C. Miller and B. S. Payne	AD A209 570
MP EL-89-5	Jun 1989	Physical Changes in Cutoff Bends Along the Tennessee-Tombigbee Waterway, by F. D. Shields, Jr., and A. C. Gibson (includes Appendixes A-B)	AD A210 277
MP EL-89-6	Jun 1989	Dust and Erosion Control Methods for US Army Construction Projects in Honduras, by T. R. Higgins and R. A. Price (includes Appendixes A-D)	AD A211 237
* MP EL-89-7	Jun 1989	Environmental Site Characterization for the Wide Area Mine (WAM) Sensor Demonstration, Yuma Proving Ground, August 1988, by Bruce Sabol, Tommy Berry, Clay Bount, and Ben Carnes (includes Appendixes A-B)	AD B134 516
MP EL-89-8	Sep 1989	Mitigation Database: Tracking Mitigation Activities in the Section 404 Permitting Program, by J. S. Wakeley (includes Appendix A)	AD A213 893
* MP EL-89-9	Oct 1989	Millimetre Wave Reflectance Measurements of Radar Cross-Section Reduction Materials, by K. R. Long (includes Appendixes A-B)	AD B138 336
MP EL-89-10		Fort Monmouth, New Jersey, Water Distribution Systems:	
	Sep 1989	Volume I Preliminary Assessment, by W. W. Sharp, D. V. Chase, and P. R. Schroeder	AD A214 466
MP EL-89-11	Oct 1989	Phase I Studies: Impacts of Commercial Navigation Traffic on Freshwater Mussels--A Review, by A. C. Miller (includes Appendix A)	AD A214 464
MP EL-90-1	Jan 1990	Water Quality Studies: Richard B. Russell and J. Strom Thurmond Lakes; Fourth Annual Interim Report, by S. L. Ashby, R. H. Kennedy, J. H. Carroll, and R. C. Gunkel, Jr. (includes Appendix A)	AD A217 801

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR EL-79-1	Feb 1979	Acoustic-to-Seismic Coupling; Properties and Applications to Seismic Sensors, by M. D. Flohr and D. H. Cress (includes Appendixes A-D)	AD A067 348
TR EL-79-2	May 1979	Proceedings of the Military Hydrology Workshop, 17-19 May 1978, Vicksburg, Mississippi	AD A069 404
TR EL-79-3	Jun 1979	Plan for Development of Systematic Procedures to Aid Corps Districts in Flood Damage Calculations, by V. E. LaGarde (includes Appendixes A-B)	AD A074 232
TR EL-79-4	Jun 1979	Fisheries and Limnological Studies on West Point Reservoir, Alabama-Georgia, by W. D. Davies, W. L. Shelton, D. R. Bayne, and J. M. Lawrence (includes Appendix A)	AD A073 061
TR EL-79-5	Jul 1979	Water Quality Evaluation of Proposed Twin Valley Lake, Wild Rice River, Minnesota, by D. E. Ford, K. W. Thornton, W. B. Ford III, and A. S. Lessem (includes Appendixes A-F)	AD A074 550
TR EL-79-6	Jul 1979	Properties of Steady Viscosity-Stratified Flow to a Line Sink, by T. M. Walski (includes Appendixes A-E)	AD A073 371
TR EL-79-7	Aug 1979	Planning Manual for Systematic River Basin Floodplain Studies, by Gert Aron (includes Appendixes A-D)	AD A076 441
TR EL-80-1	Apr 1980	Remote-Sensing Procedures for Detecting and Monitoring Various Activities Regulated by the Mobile District, by Horton Struve and W. L. Kirk (includes Appendixes A-E)	AD A087 584
* TR EL-80-2	Mar 1980	Testing Piezoelectric Line Transducers, by M. D. Flohr and D. H. Cress (includes Appendix A)	AD B047 454L
TR EL-80-3		A Computer Model for Evaluating Terrain Shielding of Helicopter Flight Paths from Ground Weapons:	
*	Jun 1980	Report 1 Exposure of a Hovering Helicopter to Ground Weapons of Unspecified Location, by Timothy Trott and Douglas Hildreth (includes Appendix A)	AD B050 517L
*	Jun 1980	Report 2 Dynamic Survival Probabilities Along Helicopter Paths Over Defended Terrain, by Timothy Trott and Douglas Hildreth (includes Appendixes A-F)	AD B049 981L
*	Dec 1982	Report 3 Survival Probabilities During Antiarmor Attacks of Defended Targets, by Timothy Trott (includes Appendixes A-H)	AD B071 343L
TR EL-80-4	Jul 1980	Area Strip Mine Reclamation Using Dredged Material: A Field Demonstration, by E. R. Perrier, J. L. Llopis, and P. A. Spaine (includes Appendixes A-B)	AD A088 612
TR EL-80-5	Jul 1980	Literature Review of Marine Wetland and Estuarine Water Quality and Ecosystem Models, by Peter Hamilton and K. W. Fucik	AD A088 656
TR EL-80-6	Aug 1980	Laboratory and Pilot Scale Evaluation of Coagulation, Clarification, and Filtration for Upgrading Sewage Lagoon Effluents, by M. J. Cullinane, Jr., and R. A. Shafer (includes Appendixes A-B)	AD A088 906

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR EL-80-7	Jul 1980	Suitability of Dredged Material for Reclamation of Surface-Mined Land, Ottawa, Illinois, Demonstration Project, by Wyman Harrison and Abraham Van Luik (includes Appendixes A-J)	AD A088 586
TR EL-80-8	Dec 1980	Effects of Upland Disposal of Dredged Material on Groundwater Quality, by Robert Morrison, Robert Stearns, and K. Y. Chen (includes Appendixes A-C)	AD A099 300
TR EL-80-9	Sep 1980	Fate and Enumeration Problems of Fecal Coliform Bacteria in Runoff Waters from Terrestrial Ecosystems, by R. E. Hoeppe1, R. G. Rhett, and C. R. Lee (includes Appendixes A-B)	AD A090 719
* TR EL-80-10	Oct 1980	Algorithms for Camouflage Effectiveness Measurements Using Digital Imagery, by Klemens Vattrodt (includes Appendix A)	AD B052 607L
TR EL-81-1	Jan 1981	Procedural Guide for Designation Surveys of Ocean Dredged Material Disposal Sites, by W. E. Pequegnat, L. H. Pequegnat, B. M. James, E. A. Kennedy, R. R. Fay, and A. D. Fredericks (includes Appendixes A-D)	AD A096 955
TR EL-81-2	Mar 1981	Thermal Modeling of Terrain Surface Elements, by L. K. Balick, L. E. Link, R. K. Scoggins, and J. L. Solomon (includes Appendixes A-B)	AD A098 019
TR EL-81-3	Mar 1981	Evaluation of Underdrainage Techniques for the Densification of Fine-Grained Dredged Material, by D. P. Hammer	AD A099 336
* TR EL-81-4	May 1981	Major Wetland Forest Communities of the U. S. Army Engineer District, Vicksburg: A Phytosociological Assessment, by E. E. Dale, G. T. Johnson, and P. M. Kuroda (includes Appendixes A-D; Appendixes C-D are available in microfiche form only)	
TR EL-81-5	Jun 1981	Field Survey of Heavy Metal Uptake by Naturally Occurring Saltwater and Freshwater Marsh Plants, by J. W. Simmers, B. L. Folsom, Jr., C. R. Lee, and D. J. Bates (includes Appendixes A-G)	AD A101 662
TR EL-81-6	Aug 1981	Thermal Vegetation Canopy Model Studies, by J. A. Smith, K. J. Ranson, D. Nguyen, and L. E. Link (includes Appendixes A-D)	AD A106 422
TR EL-81-7	Oct 1981	Design, Construction, and Analysis of Fabric-Reinforced Embankment Test Section at Pinto Pass, Mobile, Alabama, by Jack Fowler (includes Appendixes A-D)	AD A107 556
TR EL-81-8	Sep 1981	Considerations in Selecting Bioassay Organisms for Determining the Potential Environmental Impact of Dredged Material, by P. J. Shuba, S. R. Petrocelli, and R. E. Bentley (includes Appendix A)	AD A105 246
TR EL-81-9	Sep 1981	Field Investigations of Overland Flow Treatment of Municipal Lagoon Effluent, by R. E. Peters, C. R. Lee, and D. J. Bates (includes Appendixes A-N)	AD A107 889

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR EL-81-11	Dec 1981	Development of a Management Plan for Craney Island Disposal Area, by M. R. Palermo, F. D. Shields, and D. F. Hayes (includes Appendixes A-D; Appendixes A and C-D are available in microfiche form only)	AD A111 440
TR EL-81-12	Dec 1981	Influence of Disposal Environment on Availability and Plant Uptake of Heavy Metals in Dredged Material, by B. L. Folsom, Jr., C. R. Lee, and D. J. Bates (includes Appendix A)	AD A112 279
TR EL-81-13	Oct 1981	Impacts of Flooding Regime Modification on Wildlife Habitats of Bottomland Hardwood Forests in the Lower Mississippi Valley, by C. V. Klimas, C. O. Martin, and J. W. Teaford (includes Appendix A)	AD A113 296
* TR EL-82-1	Mar 1982	Prediction of Extended Range Antiarmor Munition (ERAM) Performance in Forested and Nonforested Environments, by T. D. Hutto and H. W. West (includes Appendix A)	AD B064 252L
* TR EL-82-2	Mar 1982	High-Resolution Digital Terrain Data Bases for the Wide-Area Antiarmor Munitions (WAAM) Program, by T. D. Hutto and H. W. West (includes Appendix A)	AD B064 507L
TR EL-82-3	May 1982	Verification of Cost Estimating Procedures for MAPS Computer Program, by A. K. Lindsey and T. M. Walski (includes Appendixes A-C)	AD A116 981
TR EL-82-4		Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (also designated as Report No. FWS/OBS-82/11)	
		<u>GULF OF MEXICO</u>	AD A147 771
	Feb 1983	Atlantic Croaker, by D. R. Lassuy	AD A180 397
	Feb 1983	Brown Shrimp, by D. R. Lassuy	AD A180 395
	Feb 1983	Gulf Menhaden, by D. R. Lassuy	AD A180 396
	Feb 1983	Spotted Seatrout, by D. R. Lassuy	AD A180 398
	Oct 1983	Bay Anchovy and Striped Anchovy, by H. R. Robinette	AD A180 402
	Oct 1983	Sea Catfish and Gafftopsail Catfish, by R. J. Muncy and W. M. Wingo	AD A180 399
	Sep 1984	Pinfish, by R. J. Muncy	AD A180 388
	Sep 1984	White Shrimp, by R. J. Muncy	AD A162 648
	Mar 1985	Grass Shrimp, by Gary Anderson	AD A162 649
	Mar 1985	Sheepshead, by C. A. Jennings	AD A180 390
	Apr 1985	Common Rangia, by M. W. LaSalle and A. A. de la Cruz	AD A162 637
	Apr 1985	Southern Flounder, by R. E. Reagan, Jr., and W. M. Wingo	AD A180 391
	Jun 1985	Red Drum, by R. E. Reagan, Jr.	AD A162 650

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TR EL-82-4 (Cont'd)		<u>GULF OF MEXICO</u> (Cont'd)	
	Apr 1986	Black Drum, by F. C. Sutter, R. S. Waller, and T. D. McIlwain	AD A181 585
	Jun 1986	Blue Crab, by H. M. Perry and T. D. McIlwain	AD A173 691
	Jul 1986	American Oyster, by J. G. Stanley	AD A181 584
	Mar 1987	Sand Seatrout and Silver Seatrout, by F. C. Sutter and T. D. McIlwain	AD A183 071
	Aug 1988	Red Snapper, by David Moran	AD A200 514
		<u>MID ATLANTIC</u>	AD A147 772
	Oct 1983	Alewife/Blueback Herring, by C. W. Fay, R. J. Neves, and G. B. Pardue	AD A180 383
	Oct 1983	Atlantic Silverside, by C. W. Fay, R. J. Neves, and G. B. Pardue	AD A180 384
	Oct 1983	Bay Scallop, by C. W. Fay, R. J. Neves, and G. B. Pardue	AD A180 385
	Oct 1983	Striped Bass, by C. W. Fay, R. J. Neves, and G. B. Pardue	AD A180 382
	Oct 1983	Surf Clam, by C. W. Fay, R. J. Neves, and G. B. Pardue	AD A180 401
	Feb 1985	Hard Clam, by J. G. Stanley	AD A162 643
	Apr 1985	American Shad, by Chet MacKenzie, L. S. Weiss-Glanz, and J. R. Moring	AD A162 647
	Jun 1985	Mummichog and Striped Killifish, by B. J. Abraham	AD A162 641
	Jul 1986	American Oyster, by J. G. Stanley and M. A. Sellers	AD A181 593
	Aug 1986	Softshell Clam, by B. J. Abraham and P. L. Dillon	AD A181 592
	Feb 1989	Bay Anchovy, by Timothy Morton	AD A211 440
	Feb 1989	Bluefish, by G. B. Pottern, M. T. Huish, and J. H. Kerby	AD A206 343
	Feb 1989	Spot, by J. M. Phillips, M. T. Huish, J. H. Kerby, and D. P. Moran	AD A210 182
	Mar 1989	Blue Crab, by Jennifer Hill, D. L. Fowler, and M. J. Van Den Avyle	AD A210 181
	Aug 1989	Atlantic Menhaden, by S. G. Rogers and M. J. Van Den Avyle	AD A214 302
	Aug 1989	Summer and Winter Flounder, by B. H. Grimes, M. T. Huish, J. H. Kerby, and David Moran	AD A214 306
	Aug 1989	Weakfish, by L. P. Mercer	AD A214 304
	Sep 1989	Atlantic Marsh Fiddler, by B. H. Grimes, M. T. Huish, J. H. Kerby, and David Moran	AD A216 438

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TR EL-82-4 (Cont'd)		<u>NORTH AND MID-ATLANTIC</u>	
	Jun 1989	Blue Mussel, by R. I. E. Newell	AD A212 654
	Aug 1989	Tautog and Cunner, by P. J. Auster	AD A214 300
		<u>NORTH ATLANTIC</u>	AD A147 769
	Oct 1983	Hard Clam, by J. G. Stanley and Rachael DeWitt	AD A180 387
	Oct 1983	White Perch, by J. G. Stanley and D. S. Danie	AD A180 386
	Jul 1984	American Oyster, by M. A. Sellers and J. G. Stanley	AD A151 614
	Jul 1984	Atlantic Salmon, by D. S. Danie, J. G. Trial, and J. G. Stanley	AD A151 190
	Apr 1985	American Lobster, by Chet MacKenzie and J. R. Moring	AD A162 642
	Apr 1986	Atlantic Herring, by K. H. Kelly and J. R. Moring	AD A172 602
	Jun 1986	Softshell Clam, by C. R. Newell and Herbert Hidu	AD A174 837
	Jun 1986	Sand Lance, by P. J. Auster and L. L. Stewart	AD A174 485
	Jul 1986	Alewife/Blueback Herring, by D. M. Mullen, C. W. Fay, and J. R. Moring	AD A181 580
	Jul 1986	American Shad, by L. S. Weiss-Glanz, J. G. Stanley, and J. R. Moring	AD A181 581
	Aug 1986	Sea Scallop, by D. M. Mullen and J. R. Moring	AD A181 582
	Aug 1987	American Eel, by D. E. Facey and M. J. Van Den Avyle	AD A189 643
	Aug 1987	Atlantic Tomcod, by L. L. Stewart and P. J. Auster	AD A189 596
	Apr 1988	Sandworm and Bloodworm, by W. H. Wilson, Jr., and R. E. Ruff	AD A197 785
	Jan 1989	Winter Flounder, by Jack Buckley	AD A206 184
	Aug 1989	Rainbow Smelt, by Jack Buckley	AD A214 305
		<u>PACIFIC NORTHWEST</u>	AD A181 578
	Oct 1983	Chinook Salmon, by D. A. Beauchamp, M. F. Shepard, and G. B. Pauley	AD A147 263
	Apr 1986	Coho Salmon, by J. C. Laufle, G. B. Pauley, and M. F. Shepard	AD A172 613
	Aug 1986	Steelhead Trout, by G. B. Pauley, B. M. Bortz, and M. F. Shepard	AD A181 589
	Aug 1986	Dungeness Crab, by G. B. Pauley, D. A. Armstrong, and T. W. Heun	AD A181 590
	Aug 1986	Amphipods, by D. J. Grosse, G. B. Pauley, and David Moran	AD A181 591
	Aug 1987	Common Littleneck Clam, by K. K. Chew and A. P. Ma	AD A189 654

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TR EL-82-4 (Cont'd)		<u>PACIFIC NORTHWEST</u> (Cont'd)	
	Mar 1988	Chum Salmon, by G. B. Pauley, K. L. Bowers, and G. L. Thomas	AD A196 467
	Sep 1988	Pacific Oyster, by G. B. Pauley, B. Van Der Raay, and David Troutt	AD A203 409
	Jan 1989	Pacific Razor Clam, by D. R. Lassuy and Douglas Simmons	AD A206 183
	Jan 1989	Pink Salmon, by S. A. Bonar, G. B. Pauley, and G. L. Thomas	AD A206 185
	Jan 1989	Ghost Shrimp and Blue Mud Shrimp, by Susanna Horing, Anita Sterling, and S. D. Smith	AD A206 132
	Jan 1989	Sea-Run Cutthroat Trout, by G. B. Pauley, Kevin Oshima, K. L. Bowers, and G. L. Thomas	AD A206 069
	Jul 1989	English Sole, by D. R. Lassuy	AD A214 303
		<u>PACIFIC SOUTHWEST</u>	AD A147 773
	Feb 1985	California Grunion, by R. A. Fritzsche, R. H. Chamberlain, and R. A. Fisher	AD A181 579
	Mar 1985	Black, Green, and Red Abalones, by J. S. Ault	AD A162 638
	Apr 1986	Spiny Lobster, by W. N. Shaw	AD A172 611
	Apr 1986	Northern Anchovy, by S. T. Kucas, Jr.	AD A172 724
	Apr 1986	Common Littleneck Clam, by W. N. Shaw	AD A173 101
	Apr 1986	Chinook Salmon, by M. A. Allen and T. J. Hassler	AD A172 723
	Apr 1986	California Halibut, by S. T. Kucas and T. J. Hassler	AD A172 677
	Jun 1986	Steelhead, by R. A. Barnhart	AD A173 662
	Aug 1987	Coho Salmon, by T. J. Hassler	AD A190 950
	Feb 1988	Pacific Herring, by R. A. Barnhart	AD A192 216
	Mar 1988	Striped Bass, by T. J. Hassler	AD A195 550
	Sep 1988	California Sea Mussel and Bay Mussel, by W. N. Shaw, T. J. Hassler, and D. P. Moran	AD A201 996
	Jan 1989	Amphipods, by D. J. Grosse and G. B. Pauley	AD A206 131
	Feb 1989	Pismo Clam, by W. N. Shaw and T. J. Hassler	AD A206 133
	Jul 1989	Pile Perch, Striped Seaperch, and Rubberlip Seaperch, by R. A. Fritzsche and T. J. Hassler	AD A212 125
	Aug 1989	Pacific and Speckled Sanddabs, by J. P. Rackowski and E. K. Pkitch	AD A214 301
	Sep 1989	Brown Rockfish, Copper Rockfish, and Black Rockfish, by David Stein and T. J. Hassler	AD A216 437

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TR EL-82-4 (Cont'd)		<u>SOUTH ATLANTIC</u>	AD A147 770
	Oct 1983	Atlantic Menhaden, by S. G. Rogers and M. J. Van Den Avyle	AD A180 379
	Oct 1983	Summer Flounder, by S. G. Rogers and M. J. Van Den Avyle	AD A180 380
	Mar 1984	Blue Crab, by M. J. Van Den Avyle and D. L. Fowler	AD A180 381
	Jul 1984	American Eel, by M. J. Van Den Avyle	AD A151 188
	Jul 1984	Atlantic Sturgeon, by M. J. Van Den Avyle	AD A151 189
	Sep 1984	White Shrimp, by R. J. Muncy	AD A180 389
	Apr 1986	American Shad, by D. E. Facey and M. J. Van Den Avyle	AD A172 695
	Jul 1986	American Oyster, by V. G. Burrell, Jr.	AD A181 583
	Aug 1987	Hard Clam, by A. G. Eversole	AD A189 696
	Jan 1989	Brown Shrimp, by S. C. Larson, M. J. Van Den Avyle, and E. L. Bozeman, Jr.	AD A206 070
	Jan 1989	Spot, by L. S. Hales and M. J. Van Den Avyle	AD A206 295
	Apr 1989	Bluefish, by J. D. Oliver, M. J. Van Den Avyle, and E. L. Bozeman, Jr.	AD A210 168
	Jul 1989	Black Sea Bass, by L. P. Mercer	AD A213 090
	Aug 1989	Alewife and Blueback Herring, by E. L. Bozeman, Jr. and M. J. Van Den Avyle	AD A215 677
		<u>SOUTH FLORIDA</u>	
	Oct 1983	Pink Shrimp, by L. M. Bielsa, W. H. Murdich, and R. F. Labisky	AD A180 393
	Oct 1983	Snook, by William Seaman, Jr., and Mark Collins	AD A180 392
	Mar 1984	Stone Crab, by W. J. Lindberg and M. J. Marshall	AD A180 394
	Apr 1985	Striped Mullet, by M. R. Collins	AD A162 639
	May 1985	White Mullet, by M. R. Collins	AD A162 640
	Apr 1986	Florida Pompano, by Carter Gilbert and John Parsons	AD A172 746
	Jun 1986	Gray, Lane, Mutton and Yellowtail Snappers, by S. A. Bortone and J. L. Williams	AD A173 781
	Jun 1986	King and Spanish Mackerel, by M. F. Godcharles and M. D. Murphy	AD A173 749
	Jul 1986	Southern, Gulf, and Summer Flounders, by C. R. Gilbert	AD A181 588
	Aug 1986	Spotted Seatrout, by D. R. Johnson and William Seaman, Jr.	AD A181 587
	Aug 1986	Spiny Lobster, by J. M. Marx and W. F. Herrnkind	AD A181 586
	Aug 1987	Long-Spined Black Sea Urchin, by J. C. Ogden and R. C. Carpenter	AD A191 540
	Aug 1987	Reef-Building Corals, by J. W. Porter	AD A189 595

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TR EL-82-4 (Cont'd)		<u>SOUTH FLORIDA</u> (Cont'd)	
	Jul 1989	Ladyfish and Tarpon, by A. V. Zale and S. G. Merrifield	AD A213 081
	Aug 1989	Black, Red, and Nassau Groupers, by D. E. Jory and E. S. Iversen	AD A214 299
TR EL-82-5	Aug 1982	Summary of a Workshop on Plant Canopy Structure; 27-30 April 1981, Oak Ridge, Tenn., edited by L. K. Balick and B. A. Hutchinson	AD A119 461
TR EL-82-6	Sep 1982	Algae and Phosphorus Removal from Sewage Lagoon Effluents by In Situ Chemical Addition, by M. J. Cullinane, Jr., and R. A. Shafer (includes Appendix A)	AD A118 483
TR EL-82-8	Oct 1982	Spectral Measurements of Reflectance, Radiance, and Emissivity, by Gunter Hubner (includes Appendixes A-C)	AD A122 388
TR EL-83-1	Mar 1983	Mississippi Sound and Adjacent Areas Study Plan for Data-Handling and Analysis, by Victor LaGarde	AD A129 558
TR EL-83-2	Jun 1983	The Role of Physical-Chemical Factors in Structuring Subtidal Marine and Estuarine Benthos, by D. R. Kendall	AD A132 389
	Mar 1985	Errata Sheet No. 1	
**TR EL-83-3	Sep 1983	Adaptation of Seismic-Acoustic Sensor Logics to Site Properties, by M. D. Flohr	AD B095 194L
* TR EL-84-1	Feb 1984	Theory of Field Structure for Ported Coaxial Cable Embedded in Lossy Media, by J. H. Richmond and R. J. Garbacz (includes Appendixes A-C)	AD B081 405L
**TR EL-84-2	Mar 1984	Output Response Characteristics of a Ported Coaxial Cable Sensor (PCCS), by C. A. Miller, M. D. Flohr, and J. R. Lundien (includes Appendixes A-B)	AD B087 993L
TR EL-84-3	Mar 1984	Algorithm for Determining the Effectiveness of Water Conservation Measures, by W. G. Richards, D. J. McCall, and A. K. Deb	AD A142 230
TR EL-84-4		Ecological Effects of Rubble Weir Jetty Construction at Murrells Inlet, South Carolina:	
	Apr 1984	Volume I Colonization and Community Development on New Jetties, by R. F. Van Dolah, D. M. Knott, and D. R. Calder (includes Appendixes A-H)	AD A145 591
	Jun 1984	Volume II Changes in Macrobenthic Communities of Sandy Beach and Nearshore Environments, by D. M. Knott, R. F. Van Dolah, and D. R. Calder (includes Appendixes A-I)	AD A149 211
	Aug 1987	Volume III Community Structure and Habitat Utilization of Fishes and Decapods Associated with the Jetties, by R. F. Van Dolah, P. H. Wendt, C. A. Wenner, et al.	AD A187 676
TR EL-84-5	Apr 1984	Application of Procedures for Testing and Evaluating Water Distribution Systems, by T. M. Walski (includes Appendix A)	AD A144 558

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR EL-84-6	Jun 1984	Simplified Procedure for Calculating Chemical Doses for Water Stabilization for Prevention of Internal Corrosion and Scaling, by J. M. Morgan, T. M. Walski, and M. W. Corey (includes Appendixes A-C)	AD A144 670
TR EL-84-9	Nov 1984	An Analysis of Short- to Medium-Range Seismic Attenuation Tests Using a Multilayered Viscoelastic Seismic Propagation Model, by B. L. Carnes and J. R. Lundien (includes Appendixes A-B)	AD A149 771
TR EL-85-1	Feb 1985	Design and Specification of Low Pressure Sewer Systems for Recreation Areas, by M. J. Cullinane, Jr.	AD A156 986
* TR EL-85-2	Feb 1985	Air Base Camouflage Techniques, by L. E. Link, J. O. Curtis, and Donald Willhouse (includes Appendixes A-D)	AD B090 313L
TR EL-85-3	Mar 1985	Two-Dimensional QUICKEST; Solution of the Depth-Averaged Transport-Dispersion Equation, by R. W. Hall and R. S. Chapman	AD A154 725
TR EL-85-5	Mar 1985	Cost of Water Distribution System Infrastructure Rehabilitation, Repair, and Replacement, by T. M. Walski (includes Appendix A)	AD A157 492
* TR EL-85-6	May 1985	Target Sensitivity with Ported Coaxial Cable Buried in Stratified Earth, by J. H. Richmond (includes Appendixes A-D)	AD B093 943L
TR EL-85-7	Jul 1985	Guidelines for Water Quality Laboratory Operations, by J. N. Jones and M. J. Cullinane, Jr. (includes Appendixes A-F)	AD A158 817
* TR EL-85-8	Aug 1985	Evolution of Soviet Doctrine on <u>Maskirovka</u> of Fixed Installations, by C. L. Smith and J. P. Zebrowski (includes Appendixes A-B)	AD B097 166L
TR EL-85-9	Aug 1985	Transplanting of the Seagrasses <u>Zostera Marina</u> and <u>Halodule Wrightii</u> for Sediment Stabilization and Habitat Development on the East Coast of the United States, by M. S. Fonseca, W. J. Kenworthy, G. W. Thayer, et al.	AD A160 224
TR EL-85-10	Sep 1985	Ecological Effects of Rubble-Mound Breakwater Construction and Channel Dredging at West Harbor, Ohio (Western Lake Erie), by B. A. Manny, D. W. Schloesser, C. L. Brown, and J. R. P. French III (includes Appendixes A-J)	AD A161 755
TR EL-85-11	Oct 1985	Water Distribution System Optimization, by Johannes Gessler and T. M. Walski (includes Appendixes A-F)	AD A163 493
TR EL-85-12	Dec 1985	Results of Dust Obscuration Tests (DOT) Using Explosives, Fort Carson, Colorado, by K. S. Long and R. R. Williams (includes Appendixes A-B)	AD A169 267
* TR EL-85-13	Oct 1985	Use of Texture Analysis Methods in the Characterization of Minefields and Background in High-Resolution Multispectral Imagery, by C. A. Harlow and M. M. Trivedi	AD B099 011
* TR EL-85-14	Dec 1985	Effects of Soil State and Geometry on Leaky Coaxial Cable Sensor Response, by J. H. Ballard and C. A. Miller	AD B102 260L

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TR EL-86-1		Prediction of Scatterable Mine/Minefield Deployment Performance in Realistic Battlefield Environments:	
*	Jun 1988	Report 1 Concepts, First-Generation Model, and Prototype Digital Terrain Data Bases, by P. L. Doiron, Sr., and H. W. West (includes Appendix A)	AD B123 684
TR EL-86-2	Jan 1986	Life History and Environmental Requirements of Loggerhead Sea Turtles, by D. A. Nelson	AD A166 236
TR EL-86-2	Aug 1988 Revised	Life History and Environmental Requirements of Loggerhead Sea Turtles, by D. A. Nelson	AD A200 168
TR EL-86-3	Feb 1986	Airborne Sensor Potential for Habitat Evaluation Procedures (HEP), by B. S. Payne and K. S. Long	AD A167 314
TR EL-86-4	Jul 1986	Ruffed Grouse (<u>Bonasa umbellus</u>): Section 4.1.1, US Army Corps of Engineers Wildlife Resources Management Manual, by J. A. Crawford (includes Appendix A)	AD A170 875
TR EL-86-5	Jul 1986	Osprey (<u>Pandion haliaetus</u>): Section 4.3.1, US Army Corps of Engineers Wildlife Resources Management Manual, by C. J. Henny (includes Appendix A)	AD A171 604
TR EL-86-6	Jul 1986	Eastern Gray Squirrel (<u>Sciurus carolinensis</u>): Section 4.7.1, US Army Corps of Engineers Wildlife Resources Management Manual, by J. W. Teaford (includes Appendix A)	AD A171 417
TR EL-86-7	Jul 1986	Impassable Wire Fences: Section 5.2.3, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy	AD A170 585
TR EL-86-8	Jul 1986	Gallinaceous Guzzlers: Section 5.4.1, US Army Corps of Engineers Wildlife Resources Management Manual, by Ted Johnson and R. A. (Wilson) Jacobs (includes Appendix)	AD A171 437
TR EL-86-9	Jul 1986	Greentree Reservoirs: Section 5.5.3, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell and C. J. Newling	AD A171 200
TR EL-86-10	Jul 1986	Beaver Pond Management: Section 5.5.2, US Army Corps of Engineers Wildlife Resources Management Manual, by J. W. Teaford	AD A171 201
TR EL-86-11	Jul 1986	Squirrel Nest Boxes: Section 5.1.1, US Army Corps of Engineers Wildlife Resources Management Manual, by J. W. Teaford	AD A170 640
TR EL-86-12	Jul 1986	Wood Duck Nest Boxes: Section 5.1.2, US Army Corps of Engineers Wildlife Resources Management Manual, by K. T. Riddlehuber and J. W. Teaford	AD A171 605
TR EL-86-13	Jul 1986	Brush Piles: Section 5.3.1, US Army Corps of Engineers Wildlife Resources Management Manual, by C. O. Martin and J. L. Steele, Jr.	AD A171 203
TR EL-86-14	Jul 1986	Half-Cuts: Section 5.3.2, US Army Corps of Engineers Wildlife Resources Management Manual, by J. L. Steele, Jr., and C. O. Martin	AD A171 537

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TR EL-86-15	Jul 1986	Waterfowl Nest Baskets: Section 5.1.3, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy	AD A171 196
TR EL-86-16	Jul 1986	Special Wire Fences: Section 5.2.2, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy	AD A171 197
TR EL-86-17	Jul 1986	Mechanical Site Preparation Techniques: Section 5.7.1, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr, M. C. Landin, and C. O. Martin (includes Appendix)	AD A171 195
TR EL-86-18	Jul 1986	Elevated Quail Roosts: Section 5.1.5, US Army Corps of Engineers Wildlife Resources Management Manual, by J. R. Kosciuk and E. P. Peloquin	AD A171 629
TR EL-86-19	Jul 1986	Conventional Wire Fences: Section 5.2.1, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy and C. O. Martin	AD A171 593
TR EL-86-20	Jul 1986	Wooden Fences: Section 5.2.4, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy and C. O. Martin	AD A171 606
TR EL-86-21	Jul 1986	Osprey Nest Platforms: Section 5.1.6, US Army Corps of Engineers Wildlife Resources Management Manual, by C. O. Martin, W. A. Mitchell and D. A. Hammer (includes Appendix A)	AD A171 751
TR EL-86-22	Jul 1986	Chufa (<u>Cyperus esculentus</u>): Section 7.4.1, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell and C. O. Martin	AD A171 202
TR EL-86-23	Jul 1986	Bicolor Lespedeza (<u>Lespedeza bicolor</u>): Section 7.3.2, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell	AD A171 198
TR EL-86-24	Jul 1986	Doveweeds (<u>Croton spp.</u>): Section 7.4.2, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy and C. O. Martin	AD A171 199
TR EL-86-25	Jul 1986	Chapter 1. Introduction, US Army Corps of Engineers Wildlife Resources Management Manual, by C. O. Martin	AD A171 588
TR EL-86-26	Jul 1986	Winterfat (<u>Ceratoides lanata</u>): Section 7.5.2, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser and P. L. Dittberner	AD A171 609
TR EL-86-27	Jul 1986	Switchgrass (<u>Panicum virgatum</u>): Section 7.1.2, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and W. A. Mitchell	AD A172 486
TR EL-86-28	Jul 1986	Tall Wheatgrass (<u>Agropyron elongatum</u>): Section 7.1.3, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and D. R. Dietz	AD A172 501
TR EL-86-29	Jul 1986	Partridge Pea (<u>Cassia fasciculata</u>): Section 7.3.3, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy and C. O. Martin	AD A171 608
TR EL-86-30	Jul 1986	Alfalfa (<u>Medicago sativa</u>): Section 7.3.1, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and W. A. Mitchell	AD A173 140

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TR EL-86-31	Jul 1986	Smooth Brome (<u>Bromus inermis</u>): Section 7.1.1, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser and P. L. Dittberner	AD A171 607
TR EL-86-32	Jul 1986	Grass Seeder, Section 8.4.5, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A172 698
TR EL-86-33	Jul 1986	Antelope Bitterbrush (<u>Purshia tridentata</u>): Section 7.5.1, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and C. O. Martin	AD A172 521
TR EL-86-34	Jul 1986	White Clover (<u>Trifolium repens</u>): Section 7.3.5, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, D. R. Dietz, and W. A. Mitchell	AD A172 480
TR EL-86-35	Jul 1986	Disk Plows and Disk Harrows: Section 8.2.5, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	
TR EL-86-36	Jul 1986	Common Chokecherry (<u>Prunus virginiana</u>): Section 7.5.4, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, D. R. Dietz, and W. A. Mitchell	AD A172 437
TR EL-86-37	Jul 1986	Alkali Sacaton (<u>Sporobolus airoides</u>): Section 7.1.4, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and D. R. Dietz	AD A172 519
TR EL-86-38	Jul 1986	Yellow Sweetclover (<u>Malilotus officinalis</u>): Section 7.3.4, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and W. A. Mitchell	AD A172 508
TR EL-86-39	Jul 1986	Fourwing Saltbush (<u>Atriplex canescens</u>): Section 7.5.3, US Army Corps of Engineers Wildlife Resources Management Manual, by C. H. Wasser, P. L. Dittberner, and W. A. Mitchell	AD A171 550
TR EL-86-40	Jul 1986	Root Plows: Section 8.2.2, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A171 538
TR EL-86-41	Jul 1986	Rangeland Drill: Section 8.4.3, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A172 689
TR EL-86-42	Jul 1986	Chains and Cables: Section 8.2.1, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A172 428
TR EL-86-43	Jul 1986	Land Imprinters: Section 8.2.7, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	
TR EL-86-44	Jul 1986	Power Grubbers: Section 8.2.3, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A173 284
TR EL-86-45	Jul 1986	Spring- and Spike-Tooth Harrows: Section 8.2.6, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr and W. A. Mitchell	AD A173 285

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TR EL-86-46	Jul 1986	Rotary Spreaders: Section 8.3.1, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	
TR EL-86-47	Jul 1986	Manure Spreaders: Section 8.3.2, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A173 214
TR EL-86-48	Jul 1986	Pasture Drills: Section 8.4.2, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	
TR EL-86-49	Jul 1986	Press Seeder and Punch Seeder: Section 8.4.4, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A173 134
TR EL-86-50	Jul 1986	Steep-Slope Seeder: Section 8.4.6, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A173 135
TR EL-86-51	Jul 1986	Hydroseeders/Mulchers: Section 8.4.7, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	
TR EL-86-52	Jul 1986	White-Tailed Deer Track Count Census: Section 6.4.2, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell	AD A173 207
TR EL-86-53	Jul 1986	Deer Spotlight Census: Section 6.4.3, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell (includes Appendix)	AD A173 136
TR EL-86-54	Aug 1986	Snowy Plover (<i>Charadrius alexandrinus</i>): Section 4.4.1, US Army Corps of Engineers Wildlife Resources Management Manual, by R. A. (Wilson) Jacobs	AD A172 493
TR EL-86-55	Jul 1986	Chisel Plows: Section 8.2.4, US Army Corps of Engineers Wildlife Resources Management Manual, by T. B. Doerr	AD A172 547
TR EL-86-57	Dec 1986	Radar Evaluation of Railroad Embankments, by J. R. Lundien (includes Appendixes A-B)	AD A176 414
* TR EL-87-1	Mar 1987	Acoustic-to-Seismic Coupling; Applications of the Biot-Stoll Model for Wave Propagation, by J. M. Sabatier and Keith Attenborough (includes Appendixes A-C)	AD B112 075L
TR EL-87-2	Apr 1987	Environmental Considerations for Dune-Stabilization Projects, by P. L. Knutson and Kenneth Finkelstein	AD A181 897
TR EL-87-3	May 1987	Archaeological Site Preservation Techniques: A Preliminary Review, by R. M. Thorne, P. M. Fay, and J. J. Hester (includes Appendix A)	AD A182 619
TR EL-87-4	Jun 1987	Application of CE-QUAL-W2 to the Savannah River Estuary, by R. W. Hall	AD A185 072
TR EL-87-5	Oct 1987	Avian Line-Transect Methods: Section 6.3.2, US Army Corps of Engineers Wildlife Resources Management Manual, by J. S. Wakeley	AD A187 024
TR EL-87-6	Oct 1987	Avian Plot Methods: Section 6.3.3, US Army Corps of Engineers Wildlife Resources Management Manual, by J. S. Wakeley	AD A188 737

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TR EL-87-7	Oct 1987	Avian Territory Mapping: Section 6.3.4, US Army Corps of Engineers Wildlife Resources Management Manual, by J. S. Wakeley	AD A186 918
TR EL-87-8	Jul 1987	Transplanting of the Seagrasses, <u>Halodule Wrightii</u> , <u>Syringodium Filiforme</u> , and <u>Thalassia Testudinum</u> for Sediment Stabilization and Habitat Development in the Southeast Region of the United States, by M. S. Fonseca, W. J. Kenworthy, and G. W. Thayer	AD A184 990
TR EL-87-9		New York Water Supply Infrastructure Study:	
	Jul 1987	Volume III The Bronx and Queens, by T. M. Walski and Roy Wade (includes Appendix A)	AD A183 861
	Apr 1988	Volume IV Staten Island, by T. M. Walski, Roy Wade, and W. W. Sharp	AD A193 187
	Jan 1990	Volume V Analysis of Replacement Policy, by J. W. Male, T. M. Walski, and A. H. Slutsky (includes Appendixes A-B)	
TR EL-87-10	Aug 1987	Data Base Acquisition for Multiple-Sensor Processing, by J. C. Duke, Jr.	AD A185 001
TR EL-87-11	Aug 1987	Laboratory Investigation of Organic Contaminant Immobilization by Proprietary Processing of Basin F Liquid, Rocky Mountain Arsenal, Denver, Colorado, by T. E. Myers and M. E. Zappi	AD A184 391
TR EL-87-12	Aug 1987	The Use of Fertilizer to Enhance Transplants of the Seagrasses <u>Zostera Marina</u> and <u>Halodule Wrightii</u> , by M. S. Fonseca, W. J. Kenworthy, Keith Rittmaster, and G. W. Thayer	AD A188 172
TR EL-87-13	Oct 1987	Gravel Bar Mussel Communities: A Community Model, by A. C. Miller, B. S. Payne, T. J. Naimo, and W. D. Russell-Hunter (includes Appendix A)	AD A187 388
TR EL-87-14	Oct 1987	Environmental Effects of Navigation Traffic: Laboratory Exposure Studies of the Effects on Mussels of Intermittent to Turbulence and Suspended Solids, by B. S. Payne, A. C. Miller, and D. W. Aldridge	AD A188 728
TR EL-87-15	Oct 1987	Physical Effects of Beach Nourishment on Sea Turtle Nesting, Delray Beach, Florida, by D. A. Nelson, Karen Mauck, and John Fletemeyer (includes Appendix A)	AD A189 051
TR EL-87-16	Nov 1987	Techniques for Improving Energy Efficiency at Water Supply Pumping Stations, by L. E. Ormsbee, T. M. Walski, D. V. Chase, and W. W. Sharp (includes Appendixes A-G)	AD A189 077
TR EL-87-17	Nov 1987	Adsorption and Desorption of 2,4,6-Trinitrotoluene by Soils, by J. C. Pennington (includes Appendix A)	AD A189 719
* TR EL-88-1	Jan 1988	Airfield Camouflage with Large-Area Smoke Screens, by W. M. Farmer, R. E. Davis, E. S. Stallings, and R. R. Williams (includes Appendix A)	AD B118 702L
TR EL-88-2	Jan 1988	Effects of Surface Water Withdrawal on Fishes in Rivers of Northeast Louisiana, by K. J. Killgore and N. H. Douglas (includes Appendixes A-B)	AD A190 601

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TR EL-88-3	Jan 1988	Evaluation of Products for Control of Mosquitoes at Disposal Sites in the Galveston District, by A. F. Cofrancesco, Jr., and J. W. Floss	AD A192 448
TR EL-88-4	Jan 1988	Bush Honeysuckles (<i>Lonicera spp.</i>): Section 7.5.5, US Army Corps of Engineers Wildlife Resources Management Manual, by R. J. Field and W. A. Mitchell	AD A192 377
TR EL-88-5	Feb 1988	Investigation and Evaluation of the Performance of Solidified Cellulose and Starch Xanthate Heavy Metal Sludges, by R. M. Bricka	AD A192 317
TR EL-88-7	Mar 1988	Coupling Hydrodynamics to a Multiple-Box Water Quality Model, by S. L. Bird and Ross Hall	AD A193 188
TR EL-88-8	Jun 1988	Guidelines for the Organization of Archeological Site Stabilization Projects: A Modeled Approach, by R. M. Thorne (includes Appendix A)	AD A196 661
TR EL-88-9	Jul 1988	Flowering Dogwood (<i>Cornus florida</i>): Section 7.5.9, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell, P. A. Gibbs, and C. O. Martin	AD A198 841
* TR EL-88-10	Jul 1988	Terrain-Characterization and Wide-Area Terrain Mapping for the Hardened Mobile Launcher System Evaluation, by M. R. Kress, F. A. Clark, and H. W. West (includes Appendixes A-D)	AD B125 165L
TR EL-88-11	Aug 1988	Evaluation of Proposed Dredged Material Disposal Alternatives for New York/New Jersey Harbor, Phase I, by M. E. Poindexter, Douglas Gunnison, D. F. MacIntyre, and G. F. Goforth (includes Appendixes A-D)	AD A198 773
TR EL-88-12	Sep 1988	Soil Sorption and Plant Uptake of 2,4,6-Trinitrotoluene, by J. C. Pennington (includes Appendixes A-B)	AD A200 502
TR EL-88-13	Sep 1988	Techniques to Increase Efficiency and Reduce Effort in Applications of the Habitat Evaluation Procedures (HEP), by J. S. Wakeley and L. J. O'Neil (includes Appendix A)	AD A200 040
TR EL-88-14	Sep 1988	Water Quality Modeling Study of Proposed Reregulation Dam Downstream from Buford Dam, Chattahoochee River, Georgia, by M. J. Zimmerman and M. S. Dortch	AD A200 039
TR EL-88-15		New Bedford Harbor Superfund Project, Acushnet River Estuary Engineering Feasibility Study of Dredging and Dredged Material Disposal Alternatives:	
	Oct 1988	Report 1 Study Overview, by M. R. Francingues, Jr., D. E. Averett, and M. J. Otis (includes Appendix A)	AD A200 178
	Dec 1988	Report 2 Sediment and Contaminant Hydraulic Transport Investigations, by A. M. Teeter (includes Appendix A)	AD A205 136
	Mar 1989	Report 3 Characterization and Elutriate Testing of Acushnet River Estuary Sediment, by D. E. Averett (includes Appendix A)	AD A207 045
	Oct 1988	Report 4 Surface Runoff Quality Evaluation for Confined Disposal, by J. G. Skogerboe, R. A. Price, and D. L. Brandon	AD A200 462

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TR EL-88-15 (Cont'd)	Apr 1989	Report 5 Evaluation of Leachate Quality, by T. E. Myers and J. M. Brannon (includes Appendixes A-C)	AD A207 818
	Oct 1988	Report 6 Laboratory Testing for Subaqueous Capping, by T. C. Sturgis and Douglas Gunnison	AD A200 177
	Nov 1988	Report 7 Settling and Chemical Clarification Tests, by Roy Wade (includes Appendix A)	AD A201 647
	Oct 1988	Report 8 Compatibility of Liner Systems with New Bedford Harbor Dredged Material Contaminants, by R. A. Shafer	AD A201 112
	Jan 1989	Report 9 Laboratory-Scale Application of Solidification/Stabilization Technology, by T. E. Myers and M. E. Zappi (includes Appendixes A-B)	AD A206 744
	Nov 1988	Report 10 Evaluation of Dredging and Dredging Control Technologies, by M. R. Palermo	AD A203 526
	Jul 1989	Report 11 Evaluation of Conceptual Dredging and Disposal Alternatives, by D. E. Averett, M. R. Palermo, M. J. Otis, and P. B. Rubinoff (includes Appendixes A-D)	AD A211 895
	Jan 1990	Report 12 Executive Summary, by D. E. Averett and M. J. Otis (includes Appendix A)	AD A217 259
TR EL-88-16	Nov 1988	Battlefield Dust from Exploding Munitions: Contribution by Cratering from Artillery and Mortar Projectiles, by J. N. Strange and A. D. Rooke, Jr.	AD A203 028
TR EL-88-17	Nov 1988	Prediction of Dust Propensity for Military Operations in Desert Areas, by W. K. Dornbusch, J. N. Strange, and A. D. Rooke, Jr. (includes Appendixes A-C)	AD A202 899
TR EL-88-18	Nov 1988	Reliability of the Federally Owned Water Main System, by D. V. Chase, L. E. Ormsbee, and T. M. Walski (includes Appendixes A-C)	AD A201 281
TR EL-88-19	Nov 1988	Songbird Nest Boxes: Section 5.1.8, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell	AD A202 556
TR EL-88-20	Nov 1988	Plant Uptake of 2,4,6-Trinitrotoluene, 4-Amino-2,6-Dinitrotoluene, and 2-Amino-4,6-Dinitrotoluene Using ¹⁴ C-Labeled and Unlabeled Compounds, by J. C. Pennington (includes Appendixes A-B)	AD A203 690
* TR EL-88-21	Dec 1988	Analysis of Ground Surface Slope and Static Deflection for Targets of Military Interest, by C. A. Miller	AD B129 091L
TR EL-88-22	Dec 1988	Effects of Soil pH and Treatment Level on Persistence and Plant Uptake of 2,4,6-Trinitrotoluene, by B. L. Folsom, Jr., J. C. Pennington, C. L. Teeter, et al. (includes Appendix A)	AD A203 144
TR EL-88-23	Dec 1988	Distance Sampling Techniques: Section 6.2.2, US Army Corps of Engineers Wildlife Resources Management Manual, by L. E. Marcy (includes Appendixes A-C)	AD A203 524

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TR EL-88-24	Dec 1988	An Evaluation of Stabilization/Solidification of Fluidized Bed Incinerator Ash (K048 and K051), by R. M. Bricka, Teresa Holmes, and M. J. Cullinane (includes Appendixes A-D)	AD A203 516
TR EL-89-1	Jan 1989	Evaluation of Dredged Material Disposal Alternatives for US Navy Homeport at Everett, Washington, by M. R. Palermo, R. A. Shafer, J. M. Brannon, et al. (includes Appendixes A-I)	AD A206 957
TR EL-89-2	Feb 1989	Engineering and Economic Analysis of Containment Area/Wetlands Disposal Options in New York Harbor, by M. E. Poindexter (includes Appendixes A-F)	AD A206 659
* TR EL-89-4	Apr 1989	Thermal Modeling of Petroleum, Oil, and Lubricants (POL) Bulk Storage Tanks, by B. K. Hodge (includes Appendixes A-B)	AD B132 304
TR EL-89-5	Apr 1989	American Woodcock (<u>Scolopax minor</u>): Section 4.1.2, US Army Corps of Engineers Wildlife Resources Management Manual, by T. H. Roberts (includes Appendix A)	AD A208 252
TR EL-89-6	Apr 1989	Storage Capacity Evaluation for Crane Island Expansion Alternatives, by M. E. Poindexter-Rollings (includes Appendixes A-C)	AD A208 124
TR EL-89-7	May 1989	Reservoir Analysis Model for Battlefield Operations, by G. J. Sullivan (includes Appendixes A-F)	AD A208 529
* TR EL-89-8	May 1989	Coupling Between Airborne Sound and the Ground: Models and Applications, by Keith Attenborough (includes Appendixes A-B)	AD B133 720
TR EL-89-9	May 1989	Fisheries Investigation on the Lower White River, Arkansas, by J. A. Baker, R. L. Kasul, K. J. Killgore, and L. G. Sanders	AD A208 914
TR EL-89-10		Species Profiles: Life Histories and Environmental Requirements of Coastal Vertebrates and Invertebrates, Pacific Ocean Region:	
	Jul 1989	Report 1 Green Turtle, <u>Chelonia mydas</u> , by R. G. Forsyth and G. H. Balazs	AD A213 441
	Nov 1989	Report 2 Humpback Whale, <u>Megaptera Novaeangliae</u> , by E. T. Nitta and J. J. Naughton	AD A217 911
	Nov 1989	Report 4 The Hawaiian Anchovy or Nehu, <u>Engrasicholina Purpurea</u> (<u>Engraulidae</u>), by T. A. Clarke	AD A216 653
* TR EL-89-11	Aug 1989	Infrared Target Background Analytical Models, by R. A. Weiss and R. K. Scoggins (includes Appendix A)	AD B136 087
TR EL-89-12	Aug 1989	Browntop Millet (<u>Panicum ramosum</u>): Section 7.1.5, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell and W. H. Tomlinson, Jr.	AD A212 491
TR EL-89-13	Aug 1989	Japanese Millet (<u>Echinochloa crusgalli</u> var. <u>frumentacea</u>): Section 7.1.6, US Army Corps of Engineers Wildlife Resources Management Manual, by W. A. Mitchell	AD A212 492
TR EL-89-14	Sep 1989	Artificial Potholes--Blasting Techniques: Section 5.5.4, US Army Corps of Engineers Wildlife Resources Management Manual, by C. O. Martin and L. E. Marcy (includes Appendixes A-B)	AD A213 541

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TR EL-89-15	Oct 1989	Environmental Effects of Navigation Traffic: Studies on Fish Eggs and Larvae, by W. D. Pearson, K. J. Killgore, B. S. Payne, and A. C. Miller	AD A214 294
TR EL-89-16	Oct 1989	Enhancement of Plant Establishment on Dredged Material Sites with Mycorrhizal Fungi and Clay Amendments, by J. K. Mitchell	AD A214 292
TR EL-89-17	Nov 1989	Habitat Utilization by Juvenile Pink and Chum Salmon in Upper Resurrection Bay, Alaska, by M. W. Faurot, S. W. Landino, R. R. Reisenbichler, and D. G. Clarke (includes Appendixes A-E)	AD A216 315
TR EL-89-18	Dec 1989	Quality Assurance Guidelines for Organic Analysis, by R. A. Karn and A. B. Strong (includes Appendix A)	AD A217 875

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A-79-1	Jul 1979	Aquatic Plant Control Research Program	
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IR A-79-1	Jun 1979	Test Plan for the Large-Scale Operations Management Test of Insects and Pathogens for Control of Water-hyacinth in Louisiana, by D. R. Sanders, Sr., E. E. Addor, R. F. Theriot, and E. A. Theriot (includes Appendix A)	AD A116 836
IR A-81-1	Nov 1981	The Use of Insects to Manage Alligatorweed	AD A113 605
IR A-84-1	Aug 1984	Use of the White Amur for Aquatic Plant Management, by A. C. Miller and J. L. Decell (includes Appendixes A-E)	AD A146 815
IR A-84-2	Nov 1984	Handbook for Obtaining and Using Aerial Photography to Map Aquatic Plant Distribution, by J. M. Leonard (includes Appendixes A-B)	

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MP A-79-1	Apr 1979	The White Amur as a Biological Control Agent of Aquatic Weeds in the Panama Canal, by P. E. Custer, F. D. Halverson, J. M. Malone, C. V. Chong, and R. F. Theriot	AD A070 828
MP A-79-2	Aug 1979	Insects for Biological Control of Aquatic Plants, by T. D. Center	AD A074 385
MP A-79-3	Aug 1979	Evaluation of Chemicals for Aquatic Plant Control, by K. K. Steward	AD A074 204
MP A-79-4	Sep 1979	Investigation of Two Insect Species for Control of Eurasian Watermilfoil, by G. R. Buckingham, C. A. Bennett, and B. M. Ross	AD A075 788
MP A-79-5	Oct 1979	Introduction of the Waterhyacinth Weevil (<u>Neochetina Eichhorniae</u> Warner) into Puerto Rico, by Leonce Bonnefil, M. A. Rodriguez, Evangelio Lebron, and Eduardo de Aragon	AD A076 983
MP A-79-6	Oct 1979	Field Evaluation of <u>Cercospora Rodmanii</u> as a Biological Control of Waterhyacinth; Inoculum Rate Studies, by K. E. Conway, R. E. Cullen, T. E. Freeman, and J. A. Cornell	AD A077 187
MP A-79-7	Oct 1979	Proceedings, Research Planning Conference on the Aquatic Plant Control Program, 16-19 October 1978, Seattle, Washington (includes Appendix A)	AD A077 528
MP A-79-8	Nov 1979	Study of Waterhyacinths Showing Possible Resistance to 2,4-D Chemical Control Programs, by W. T. Haller and M. T. El Seed	AD A081 048
MP A-80-1	May 1980	Exploration for Natural Enemies of <u>Hydrilla verticillata</u> in Eastern Africa, by R. W. Pemberton (includes Appendixes A-C)	AD A085 875
MP A-80-2	Sep 1980	Evaluation of Controlled Release Herbicides in Outdoor Pools, by J. A. Foret and J. R. Barry	AD A090 530
MP A-80-3	Oct 1980	Proceedings, 14th Annual Meeting, Aquatic Plant Control Research Planning and Operations Review, 26-29 November 1979, Lake Eufaula, Oklahoma	AD A091 303
MP A-80-4	Oct 1980	Biological Control Agents on Waterhyacinth at Nineteen Locations in Louisiana, by J. A. Foret, J. R. Barry, and E. A. Theriot (includes Appendix A)	AD A092 656
MP A-80-5	Oct 1980	Recording Fathometer Techniques for Determining Distribution and Biomass of <u>Hydrilla Verticillata</u> Royle, by M. J. Maceina and J. . . Shireman (includes Appendixes A-B)	AD A092 715
MP A-80-6	Dec 1980	Field Studies and Laboratory Rearing of <u>Arzama Dansa</u> Wlk., a Biological Control Agent Against Waterhyacinth, by R. G. Baer and P. C. Quimby, Jr.	AD A093 080
MP A-81-1	Feb 1981	Workshop on Modeling of Aquatic Macrophytes, by J. H. Wlosinski	AD A096 821
MP A-81-2	Jun 1981	Evaluation of the Infectivity of a <u>Cercospora Rodmanii</u> Formulation Using Two Application Systems, by E. A. Theriot, R. F. Theriot, and D. P. Sanders, Sr.	AD A102 050

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MP A-81-3	Oct 1981	Proceedings, 15th Annual Meeting, Aquatic Plant Control Research Planning and Operations Review, 17-20 November 1980	AD A107 083
MP A-82-1	Feb 1982	Organisms Impacting Waterhyacinth in the Panama Canal, by D. R. Sanders, Sr., R. F. Theriot, and E. A. Theriot	AD A114 401
MP A-82-2	Apr 1982	Release of Potentially Cold-Tolerant Alligatorweed Flea Beetles (<u>Agasicles Hygrophila</u> Selman and Vogt) into the United States from Argentina, by G. R. Buckingham and Drion Boucias	AD A114 902
MP A-82-3	Jun 1982	Proceedings, 16th Annual Meeting, Aquatic Plant Control Research Planning and Operations Review, 17-19 November 1981, St. Paul, Minnesota	AD A115 848
MP A-82-4	Aug 1982	Improving Technology for Chemical Control of Aquatic Plants, by K. K. Steward (includes Appendix A)	AD A118 691
MP A-82-5	Aug 1982	Large-Scale Operations Management Test of Use of the White Amur for Control of Problem Aquatic Plants; Selected Life History Information of Animal Species on Lake Conway, Florida, by N. J. Zittleman, R. R. Williams, and E. G. Buglewicz (includes Appendixes A-C)	AD A118 693
MP A-82-6	Oct 1982	Compatibility of a <u>Cercospora Rodmanii</u> Formulation with Selected Herbicide Spray Additives, by J. C. Pennington and E. A. Theriot	AD A122 555
MP A-82-7	Dec 1982	Implementation of the Large-Scale Operations Management Test in the State of Washington, by E. A. Dardeau, Jr., and R. L. Lazor	AD A124 224
MP A-82-8	Dec 1982	Impact of Augmented Field Populations of <u>Arzama Densa</u> Larvae on Waterhyacinth, by A. F. Cofrancesco, Jr.	AD A125 007
MP A-83-1	Jan 1983	Recording Fathometer Techniques for Hydrilla Distribution and Biomass Studies, by J. V. Shireman and M. J. Maceina	AD A125 794
MP A-83-2	Mar 1983	Study of a Naturally Occurring Hydrilla Inhibitor, by D. F. Martin	AD A129 105
MP A-83-3	Jun 1983	Proceedings, 17th Annual Meeting, Aquatic Plant Control Research Program, 16-18 November 1982, Sacramento, California	AD A132 647
MP A-83-4	Jun 1983	Microbiological Control of Eurasian Watermilfoil, by H. B. Gunner	AD A134 619
MP A-83-5	Jul 1983	Large-Scale Operations Management Test of Use of the White Amur for Control of Problem Aquatic Plants; The Herpetofauna of Lake Conway: Species Accounts, by G. T. Bancroft, J. S. Godley, D. T. Gross, et al. (includes Appendixes A-B)	AD A132 465
MP A-83-6	Jun 1983	Compatibility and Infectivity of a <u>Cercospora Rodmanii</u> Formulation with Enhancing Agents, by J. C. Pennington and E. A. Theriot	AD A134 603

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MP A-83-7	Aug 1983	White Amur Bibliography, by C. R. Smith and J. V. Shireman (includes Appendixes I-II)	AD A134 340
MP A-83-8	Oct 1983	Simulated Mechanical Control of Aquatic Plants in Buffalo Lake, Wisconsin, by B. M. Sabol	AD A135 831
MP A-83-9	Oct 1983	U. S. Department of Agriculture/Corps of Engineers Cooperative Aquatic Plant Control Research--Annual Report for FY 1981; Biological and Chemical Control Technologies	AD A137 242
MP A-84-1	Feb 1984	Effects of Endothall Treatment on Phosphorus Concentration and Community Metabolism of Aquatic Communities, by W. F. James (includes Appendixes 1-10)	AD A141 830
MP A-84-2	Aug 1984	US Department of Agriculture/Corps of Engineers Cooperative Aquatic Plant Control Research--Annual Report for FY 1982; Biological and Chemical Control Technologies	AD A151 313
MP A-84-3	Apr 1984	Field Methods to Measure Aquatic Plant Treatment Method Efficacy, by K. J. Killgore and B. S. Payne (includes Appendix A)	AD A142 222
MP A-84-4	Jun 1984	Proceedings, 18th Annual Meeting, Aquatic Plant Control Research Program, 14-17 November 1983, Raleigh, North Carolina	AD A142 827
MP A-84-5	Sep 1984	Field Evaluation of Garlon 3A (Triclopyr) and 14-ACE-B (2,4-D BEE) for the Control of Eurasian Watermilfoil, by K. D. Getsinger and H. E. Westerdahl	AD A147 973
MP A-84-6	Nov 1984	Culture Methodology for Experimental Investigations Involving Rooted Submersed Aquatic Plants, by R. M. Smart and J. W. Barko	AD A149 744
MP A-84-7	Dec 1984	Management of Eurasian Watermilfoil in the Columbia River Basin, by K. J. Killgore, Jr.	AD A150 567
MP A-84-8	Dec 1984	Use of Herbicide/Adjuvant Formulations for the Control of <u>Myriophyllum Spicatum</u> L., by K. J. Killgore (includes Appendixes A-C)	AD A153 250
MP A-85-1	Feb 1985	Mortality of Third Instar <u>Sameodes Albiguttalis</u> Larvae Due to Constant Low Temperature Exposures in the Laboratory, by R. M. Stewart	AD A154 680
MP A-85-2	May 1985	A Mathematical Model of Submersed Aquatic Plants, by C. D. Collins, R. A. Park, and C. W. Boylen (includes Appendixes A-B)	AD A156 774
MP A-85-3	Sep 1985	US Department of Agriculture/Corps of Engineers Cooperative Aquatic Plant Control Research--Annual Report for FY 1983; Chemical Control Technology, by T. K. Van, K. K. Steward, A. O. Jones, and R. D. Conant, Jr.	AD A161 867
MP A-85-4	Jun 1985	Proceedings, 19th Annual Meeting, Aquatic Plant Control Research Program, 26-29 November 1984, Galveston, Texas	AD A159 937
MP A-85-5	Aug 1985	Monoecious <u>Hydrilla</u> in the Potomac River (includes Appendixes A-B)	AD A160 176

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MP A-86-1	Mar 1986	Bioengineering Technology Meeting; September 28-29, 1983, US Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, by J. C. Pennington	AD A168 160
MP A-86-2	Jun 1986	Proceedings, 20th Annual Meeting, Aquatic Plant Control Research Program, 18-21 November 1985, Atlanta, Georgia	AD A171 445
MP A-86-3	May 1986	Evaluation of 2,4-D/Adjuvant Mixtures in Flowing Water, by K. D. Getsinger and H. E. Westerdahl (includes Appendixes A-B)	AD A169 290
MP A-86-4	Jul 1986	Biological Control Agents of <u>Hydrilla verticillata</u> ; Final Report on Surveys in East Africa, 1918-1984, by R. H. Markham (includes Appendix A)	AD A171 590
MP A-87-1	May 1987	Evaluation of the Diver-Operated Dredge and Bottom-Covering Materials for Control of Hydrilla in the Potomac River, by K. J. Killgore	AD A182 443
MP A-87-2	Nov 1987	Proceedings, 21st Annual Meeting, Aquatic Plant Control Research Program, 17-21 November 1986, Mobile, Alabama	
MP A-88-1	Feb 1988	Evaluation of Endothall/Adjuvant Mixtures in Flowing Water, by K. D. Getsinger and H. E. Westerdahl	AD A193 219
MP A-88-2	Mar 1988	Chemical Control of Hydrilla in Flowing Water: Herbicide Uptake Characteristics and Concentrations Versus Exposure, by T. K. Van and R. D. Conant, Jr.	AD A195 324
MP A-88-3	Apr 1988	Alligatorweed Survey of Ten Southern States, by A. F. Cofrancesco, Jr. (includes Appendix A)	AD A197 509
MP A-88-4	Apr 1988	The Rhizosphere Microbiology of Rooted Aquatic Plants, by Douglas Gunnison and J. W. Barko	AD A194 063
MP A-88-5	Jun 1988	Proceedings, 22nd Annual Meeting, Aquatic Plant Control Research Program, 16-19 November 1987, Portland, Oregon	AD A198 883
MP A-88-6	Jul 1988	Persistence of Dichlobenil in Lake Seminole, Georgia, by W. R. Green and H. E. Westerdahl	AD A197 464
MP A-88-7	Jul 1988	Feasibility of Relating Phenology and Carbohydrate Partitioning to Improve Aquatic Plant Control, by G. J. Pesacreta and K. T. Luu	AD A197 865
MP A-88-8	Nov 1988	2,4-D Concentration and Exposure Time Relationships for the Control of Eurasian Watermilfoil, by W. R. Green and H. E. Westerdahl	AD A205 315
MP A-89-1	Jun 1989	Proceedings, 23rd Annual Meeting, Aquatic Plant Control Research Program, 14-17 November 1988, West Palm Beach, Florida	AD A209 315
MP A-89-2	Mar 1989	Triclopyr (Garlon 3A) Dissipation in Lake Seminole, Georgia, by W. R. Green, H. E. Westerdahl, J. C. Joyce, and W. T. Haller (includes Appendix A)	AD A208 582
MP A-89-3	Apr 1989	Review of Senescence as an Important Factor Determining the Relationship Among Aquatic Plants, Their Epiphytes, and Pathogens, by Eliska Rejmankova (includes Appendix A)	AD A208 580
MP A-90-1	Jan 1990	Plan of Study for Determining Economic Values of Aquatic Plant Management, by J. E. Henderson	AD A217 874

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TR A-79-1	Apr 1979	Time Course Studies on 2,4-D Amine Residues in Slow-Moving Waters, by J. A. Foret and J. R. Barry (includes Appendix A)	AD A069 970
TR A-79-2	Oct 1979	Remote Sensing of Aquatic Plants, by K. S. Long	AD A081 737
TR A-79-3	Nov 1979	Evaluation of Two Fluridone Formulations for the Control of Hydrilla in Gatun Lake, Panama Canal Zone, by D. R. Sanders, Sr., R. F. Theriot, W. R. Arnold, and S. D. West	AD A081 458
TR A-80-1	Oct 1980	Growth and Metabolism of Three Introduced Submersed Plant Species in Relation to the Influences of Temperature and Light, by J. W. Barko, R. M. Smart, D. G. Hardin, and M. S. Matthews	AD A092 833
TR A-81-1	Jan 1981	Biological Control of Aquatic Plants with Pathogenic Fungi, by T. E. Freeman, R. Charudattan, K. E. Conway, et al. (includes Appendixes A-D)	AD A095 985
TR A-81-2	Jan 1981	Improving Technology for Chemical Control of Aquatic Weeds, by K. K. Steward	AD A095 933
TR A-81-3	Feb 1981	Release and Establishment of <u>Sameodes Albiguttalis</u> for Biological Control of Waterhyacinth, by T. D. Center	AD A097 852
TR A-81-4	Feb 1981	Investigation of Two Insect Species for Control of Eurasian Watermilfoil, by G. R. Buckingham, C. A. Bennett, and B. M. Ross (includes Appendixes A-D)	AD A100 314
TR A-81-5	Jun 1981	Evaluation of a Formulation of <u>Cercospora Rodmanii</u> for Infectivity and Pathogenicity of Waterhyacinth, by E. A. Theriot, R. F. Theriot, and D. R. Sanders, Sr.	AD A102 051
TR A-81-6	Dec 1981	Evaluation of the Model CE-QUAL-R1 for Use by the Aquatic Plant Control Research Program, by J. H. Wlosinski	AD A110 826
TR A-82-1	Feb 1982	Simulation for Harvesting of Aquatic Plants, by E. R. Perrier and A. C. Gibson	AD A114 027
TR A-82-2	Feb 1982	Environmental Fate, Effects, and Health Hazards of Fenac, by H. C. Sikka, E. J. Pack, H. T. Appleton, et al. (includes Appendix A)	AD A114 030
TR A-82-3	Jun 1982	Sediment-Submersed Macrophyte Relationships in Freshwater Systems, by J. W. Barko, R. M. Smart, M. S. Matthews, and D. G. Hardin	AD A118 147
TR A-82-4	Aug 1982	Radiotelemetry Tracking at Lake Conway, Florida, by M. P. Keown and R. M. Russell, Jr. (includes Appendixes A-B)	AD A118 694
TR A-82-5	Oct 1982	Insects and Other Macroinvertebrates Associated with Eurasian Watermilfoil in the United States, by J. K. Balciunas (includes Appendixes A-C)	AD A123 755
TR A-82-6	Dec 1982	The 2,4-D Threshold Concentrations for Control of Eurasian Watermilfoil and Sago Pondweed, by J. F. Hall, H. E. Westerdahl, R. E. Hoeppel, and Lena Williams	AD A124 444

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TR A-83-1	Jan 1983	Aerial Survey Techniques to Map and Monitor Aquatic Plant Populations--Four Case Studies, by E. A. Dardeau, Jr.	AD A128 990
TR A-83-2	Jan 1983	Inventory and Assessment of Aquatic Plant Management Methodologies, by E. A. Dardeau, Jr., and E. A. Hogg (includes Appendixes A-B)	AD A125 747
TR A-83-3	Jan 1983	Field Evaluation of Two Endothall Formulations for Managing Hydrilla in Gatun Lake, Panama, by H. E. Westerdahl (includes Appendixes A-E)	AD A129 196
TR A-83-4	Feb 1983	Determination of Chemical Threshold Concentrations Using 2,4-D to Control Selected Aquatic Macrophytes--A Pilot Study to Evaluate a Laboratory System, by H. E. Westerdahl, R. E. Hoepfel, Edgar Hummert, and Lena Williams	AD A139 801
TR A-83-5	Oct 1983	Effects of Organic Amendments to Sediment on Freshwater Macrophyte Growth, by J. W. Barko, R. M. Smart, M. S. Hennington, D. G. McFarland, and L. D. Ferguson	AD A136 972
TR A-84-1	Jan 1984	Growth Response of <u>Myriophyllum Spicatum</u> and <u>Hydrilla Verticillata</u> when Exposed to Continuous, Low Concentrations of Fluridone, by J. F. Hall, H. E. Westerdahl, and T. J. Stewart	AD A140 846
TR A-84-2	Jan 1984	Efficacy of <u>Sameodes Albiguttalis</u> as a Biocontrol of Waterhyacinth, by T. D. Center, W. C. Durden, and D. A. Corman	AD A141 321
TR A-84-3	Feb 1984	Interactive Influences of Light and Temperature on the Growth and Morphology of Submersed Freshwater Macrophytes, by J. W. Barko, D. G. Hardin, and M. S. Matthews	AD A139 801
TR A-84-4	May 1984	Rearing, Storing, and Efficacy Studies on <u>Arzama Densa</u> for Release Programs Against Waterhyacinth, by R. G. Baer and P. C. Quimby, Jr.	AD A145 832
TR A-84-5	Aug 1984	Evaluation of <u>Fusarium Roseum</u> 'Culmorum' as a Biological Control Agent for <u>Hydrilla Verticillata</u> , by R. Charudattan, T. E. Freeman, R. E. Cullen, and F. M. Hofmeister	AD A145 228
TR A-85-1		Large-Scale Operations Management Test (LSOMT) of Insects and Pathogens for Control of Waterhyacinth in Louisiana:	
	Jan 1985	Volume I Results for 1979-1981, by D. R. Sanders, Sr., E. A. Theriot, and Patricia Perfetti	AD A156 759
	Dec 1986	Volume II Results for 1982-1983, by D. R. Sanders, Sr., and E. A. Theriot	AD A176 436
TR A-85-2	Jun 1985	Evaluation of Polymers for Controlled Delivery of Herbicides for Aquatic Plant Control, by F. W. Harris (includes Appendix A)	AD A157 948
TR A-85-3	Sep 1985	Biological Control of <u>Hydrilla Verticillata</u> (L.f.) Royle With Lytic Enzyme-Producing Microorganisms, by J. C. Pennington (includes Appendix A)	AD A163 031

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR A-85-4	Dec 1985	Final Report on the Overseas Surveys (1981-1983) for Insects to Control Hydrilla, by J. K. Balciunas (includes Appendixes A-K)	AD A165 419
TR A-86-1	Jan 1986	Effects of Sediment Composition on Growth of Submersed Aquatic Vegetation, by J. W. Barko and R. M. Smart (includes Appendixes A-C)	AD A166 657
TR A-86-2	May 1986	Effects of Water Chemistry on Aquatic Plants: Growth and Photosynthesis of <u>Myriophyllum Spicatum</u> L., by R. M. Smart and J. W. Barko (includes Appendixes A-B)	AD A168 898
TR A-87-1	Apr 1987	An Ecological Study of Hydrilla in the Potomac River; Waterfowl Segment, by R. V. Folker (includes Appendixes A-B)	AD A182 556
TR A-88-1	Feb 1988	Field Evaluation of Microbiological Control Agents on Eurasian Watermilfoil, by H. B. Gunner, Yuthana Limpamara, and P. J. Weilerstein (includes Appendix A)	AD A195 393
TR A-88-2	Apr 1988	Interactions Between Macrophyte Growth and Sediment Nutrient Availability, by J. W. Barko, R. M. Smart, R. L. Chen, and D. G. McFarland	AD A195 394
TR A-88-3	Apr 1988	A Survey of the Continental United States for Pathogens of Eurasian Watermilfoil, by W. C. Zattau (includes Appendixes A-D)	AD A196 576
* TR A-88-4	Apr 1988	A Study of Formulations for the Controlled Release of Aquatic Herbicides, by R. L. Dunn, J. D. Strobel, B. H. Perkins, et al. (includes Appendix A)	AD B122 397L
TR A-88-5	Apr 1988	Effects of Water Chemistry on Aquatic Plants: Interrelationships Among Biomass Production, Plant Nutrition, and Water Chemistry, by R. M. Smart and J. W. Barko	AD A194 189
TR A-88-6	Apr 1988	A Survey of the Fauna Associated with <u>Pistia Stratiotes</u> L. (Waterlettuce) in Florida, by F. A. Dray, Jr., C. R. Thompson, D. H. Habeck, et al.	AD A194 188
TR A-88-7	Jun 1988	Biological Control of Waterhyacinth in the California Delta, by R. M. Stewart, A. F. Cofrancesco, Jr., and L. G. Bezark	AD A198 024
TR A-88-8		Simulation Model of Waterhyacinth and its Biocontrol Agents:	
	Jul 1988	Report 1 First-Generation Model, by K. S. Akbay, J. W. Wooten, and F. G. Howell (includes Appendixes A-C)	AD A197 856
TR A-88-9		Aquatic Plant Identification and Herbicide Use Guide:	
	Nov 1988	Volume I Aquatic Herbicides and Application Equipment, edited by H. E. Westerdahl and K. D. Getsinger (includes Appendixes A-H)	AD A199 571
	Nov 1988	Volume II Aquatic Plants and Susceptibility to Herbicides, edited by H. E. Westerdahl and K. D. Getsinger	AD A203 243

* Statement B. See Preface.

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TR A-88-10	Nov 1988	Host Specificity and Biology of the Weevil <u>Neohydronomus pulchellus</u> Hustache, Biological Control Agent of Waterlettuce (<u>Pistia stratiotes</u> L.) in Florida, by C. R. Thompson and D. H. Habeck	AD A205 872
TR A-88-11	Dec 1988	Effects of Submersed Aquatic Macrophytes on Physical and Chemical Properties of Surrounding Water, by J. W. Barko and G. L. Godshalk	AD A203 108
TR A-89-1	Apr 1989	Evaluation of Fungi for Biological Control of Hydrilla verticillata (L.f.) Royle, by G. F. Joye, E. A. Theriot, and Susan Hennington	AD A208 579
TR A-89-2	Oct 1989	Allelopathic Aquatic Plants for Aquatic Plant Management; A Feasibility Study, by S. D. Elakovich and J. W. Wooten (includes Appendix A)	AD A217 441
TR A-89-3	Nov 1989	The Habitat Value of Aquatic Macrophytes for Macroinvertebrates, by A. C. Miller, D. C. Beckett, C. M. Way, and E. J. Bacon (includes Appendix A)	AD A215 675

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Information Exchange Bulletins

<u>Volume</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
D-79-1 thru D-79-4	Apr 1979 thru Dec 1979	Dredged Material Research; Notes, News, Reviews, etc.	
D-80-1	May 1980	Dredged Material Research; Notes, News, Reviews, etc.	
D-80-2	Nov 1980	Dredged Material Research; Notes, News, Reviews, etc.	
D-81-1	Jun 1981	Dredged Material Research; Notes, News, Reviews, etc.	
D-81-2	Aug 1981	Dredged Material Research; Notes, News, Reviews, etc.	
D-82-1 thru D-82-4	Jan 1982 thru Dec 1982	Dredged Material Research; Notes, News, Reviews, etc.	
D-83-1	Jan 1983	Dredged Material Research; Notes, News, Reviews, etc.	
# D-83-2 thru D-83-4	May 1983 thru Oct 1983	Environmental Effects of Dredging	
D-84-1 thru D-84-6	Jan 1984 thru Nov 1984	Environmental Effects of Dredging	
D-85-1 thru D-85-4	Mar 1985 thru Oct 1985	Environmental Effects of Dredging	
D-86-1 thru D-86-6	Jan 1986 thru Nov 1986	Environmental Effects of Dredging	
D-87-1 thru D-87-6	Feb 1987 thru Oct 1987	Environmental Effects of Dredging	
D-88-1 thru D-88-6	Jan 1988 thru Dec 1988	Environmental Effects of Dredging	
D-89-1 thru D-89-2	Jul 1989 thru Sep 1989	Environmental Effects of Dredging	

Title changed to Environmental Effects of Dredging with Vol. D-83-2, May 1983. This publication is part of the Dredging Operations Technical Support (DOTS) Program.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR D-84-1	Apr 1984	Preliminary Users' Manual, 3-D Mathematical Model of Coastal, Estuarine, and Lake Currents (CELC3D), by Y. P. Sheng (includes Appendixes A-B)	AD A142 070

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP D-82-1	Oct 1982	Habitat Development at Eight Corps of Engineers Sites: Feasibility and Assessment, edited by M. C. Landin (includes Appendixes A-D)	AD A122 662
MP D-83-1	Jun 1985	Comparison of the Heavy-Metal Uptake of <u>Cyperus Esculentus</u> and of Agronomic Plants Grown on Contaminated Dutch Sediments, by W. van Driel, K. W. Smilde, and B. van Luit (includes Appendixes A-N)	AD A158 216
MP D-83-2	Oct 1983	Aquaculture in Dredged Material Containment Areas; Proceedings, edited by Jurij Homziak and J. D. Lunz	AD A135 075
MP D-84-1	Dec 1984	Evaluation of Three Fish Species as Bioassay Organisms for Dredged Material Testing, by N. I. Rubinstein, W. T. Gilliam, and N. R. Gregory	AD A153 983
MP D-85-1	Aug 1985	Management Strategy for Disposal of Dredged Material: Contaminant Testing and Controls, by N. R. Francingues, Jr., M. R. Palermo, C. R. Lee, and R. K. Peddicord	AD A158 406
MP D-85-2	Sep 1985	Bioaccumulation and Effects on Reproduction in Aquatic Organisms: An Assessment of the Current Literature, by T. M. Dillon and A. B. Gibson	AD A163 202
MP D-86-1	Feb 1986	Interim Guidance for Predicting the Quality of Effluent Discharged from Confined Dredged Material Disposal Areas, by M. R. Palermo	AD A168 140
MP D-86-2	Jun 1986	Effectiveness of Capping in Isolating Dutch Kills Sediment from Biota and the Overlying Water, by J. M. Brannon, R. E. Hoeppe, T. C. Sturgis, Issac Smith, Jr. and Douglas Gunnison (includes Appendix A)	AD A170 381
MP D-86-3	Jun 1986	Feasibility of Using Mycorrhizal Fungi for Enhancement of Plant Establishment on Dredged Material Disposal Sites: A Literature Review, by J. C. Pennington (includes Appendix A)	AD A170 443
MP D-86-4	Aug 1986	Dye Tracer Studies at the Kenosha, Manitowoc, Milwaukee, and Kewaunee Harbors Confined Disposal Facilities, by S. A. Pranger and P. R. Schroeder (includes Appendixes A-E)	AD A172 170
MP D-86-5	Sep 1986	Changing Concepts and Improved Methods for Evaluating the Importance of PCBs as Dredged Sediment Contaminants, by V. A. McFarland, J. U. Clarke, and A. B. Gibson (includes Appendix A)	AD A174 177
MP D-86-6	Oct 1986	Survey of Equipment and Construction Techniques for Capping Dredging Material, by W. H. Sanderson and A. L. McKnight	AD A174 650
MP D-86-7	Dec 1986	Wetlands Investigations on Akers Ranch in Big Valley, California, by D. R. Sanders, Sr., E. J. Clairain, Jr., R. F. Theriot, and P. H. Jones (Appendixes A-D available from the authors upon request)	AD A177 297
MP D-87-1	Mar 1987	Prediction of Surface Runoff Water Quality from Black Rock Harbor Dredged Material Placed in an Upland Disposal Site, by J. G. Skogerboe, C. R. Lee, R. A. Price, et al.	AD A182 235

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP D-87-2	Mar 1987	Development of a Simplified Column Test for Evaluation of Thickness of Capping Material Required to Isolate Contaminated Dredged Material, by Douglas Gunnison, J. M. Brannon, T. C. Sturgis, and Issac Smith, Jr.	AD A179 929
MP D-87-3	Mar 1987	Regulatory Identification of Petroleum Hydrocarbons in Dredged Material; Proceedings of a Workshop, by J. U. Clarke and A. B. Gibson (includes Appendixes A-C)	AD A180 082
MP D-88-1	Feb 1988	Development and Application of Techniques for Predicting Leachate Quality in Confined Disposal Facilities; Background and Theory, by D. O. Hill, T. E. Myers, and J. M. Brannon (includes Appendixes A-D)	AD A190 598
MP D-88-2	Feb 1988	The Corps' Environmental Effects of Dredging Programs, by R. M. Engler, T. R. Patin, and R. F. Theriot	AD A190 597
MP D-88-3	Apr 1988	Planning-Level Cost Estimates of Dredged Material Containment Islands in New York Harbor, by T. M. Walski and T. E. Schaefer, Jr. (includes Appendixes A-C)	AD A194 812
MP D-88-4	Sep 1988	Preliminary Investigation of the Short-Term Effects of Storms on Sedimentary Characteristics and the Nearshore Fauna Using the Sediment Profiling Camera System, by C. A. Miller-Way and D. A. Nelson	AD A200 176
MP D-89-1	Feb 1989	Analyses of Impacts of Bottom Sediments from Grand Calumet River and Indiana Harbor Canal on Water Quality, by J. M. Brannon, Douglas Gunnison, D. E. Averett, et al. (includes Appendixes A-C)	AD A206 507
MP D-89-2	Feb 1989	Preliminary Recommendations for a Congener-Specific PCB Analysis in Regulatory Evaluation of Dredged Material, by J. U. Clarke, V. A. McFarland and B. D. Pierce (includes Appendix A)	AD A206 661
MP D-89-3	Oct 1989	Evaluation of Hopper Loading and Overflow for Saginaw River, Michigan, by M. R. Palermo and R. E. Randall (includes Appendixes A-B)	AD A214 997

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR D-83-1	Jan 1983	Procedures for Prediction of Consolidation in Soft Fine-Grained Dredged Material, by K. W. Cargill (includes Appendixes A-F)	AD A125 320
TR D-83-2	Jul 1983	Chemical Clarification Methods for Confined Dredged Material Disposal, by P. A. Schroeder	AD A134 731
TR D-83-3	Oct 1983	Evaluation of the 1980 Capping Operations at the Experimental Mud Dump Site, New York Bight Apex, by J. M. O'Connor and S. G. O'Connor (includes Appendixes A-D, available in Microfiche form only)	AD A138 435
TR D-83-4	Oct 1983	Accumulation of PCBs, Mercury, and Cadmium by <u>Nereis Virans</u> , <u>Mercenaria Mercenaria</u> , and <u>Palaeomonetes Pugio</u> from Contaminated Harbor Sediments, by N. I. Rubinstein, Emile Lores, and Norman Gregory (includes Appendix A)	AD A136 856
TR D-84-1	Jan 1984	Transformation, Fixation, and Mobilization of Arsenic and Antimony in Contaminated Sediments, by J. M. Brannon (includes Appendixes A-C)	AD A139 032
TR D-84-2	Jun 1984	Biological Consequences of Bioaccumulation in Aquatic Animals: An Assessment of the Current Literature, by T. M. Dillon	AD A144 161
TR D-84-3	Sep 1984	Long-Term Impact of Dredged Material Disposal in Lake Erie Off Ashtabula, Ohio, by K. J. Salamon (includes Appendixes A-F)	AD A146 720
TR D-84-4	Sep 1984	Long-Term Impacts Induced by Disposal of Contaminated River Sediments in Elliott Bay, Seattle, Washington, by R. N. Dexter, D. E. Anderson, and E. A. Quinlan (includes Appendixes A-E)	AD A148 815
TR D-84-5	Nov 1984	Long-Term Impact of Dredged Material at Two Open-Water Sites: Lake Erie and Elliott Bay; Evaluative Summary, by H. E. Tatem	AD A152 029
TR D-84-6	Nov 1984	Dietary Accumulation of PCBs from a Contaminated Sediment Source by a Demersal Fish Species (<u>Leiostomus Xanthurus</u>), by N. I. Rubinstein, W. T. Gilliam, and N. R. Gregory	AD A149 415
TR D-84-7	Nov 1984	Potential for Biomagnification of Contaminants Within Marine and Freshwater Food Webs, by S. H. Kay	AD A150 747
TR D-85-1	Jan 1985	Application of Sister Chromatid Exchange in Marine Polychaetes to Black Rock Harbor Sediment; Laboratory Documentation Phase, by G. G. Pesch, Cornelia Mueller, C. E. Pesch, James Heltshe, and P. S. Schauer (includes Appendixes A-B)	AD A157 372
TR D-85-2	Feb 1985	Bioaccumulation of Contaminants from Black Rock Harbor Dredged Material by Mussels and Polychaetes, by James Lake, G. L. Hoffman, and S. C. Schimmel (includes Appendixes A-B on microfiche)	AD A164 319
TR D-85-3	Feb 1985	Laboratory Evaluation of Adenylate Energy Charge as a Test for Stress in <u>Mytilus Edulis</u> and <u>Nephtys Incisa</u> Treated with Dredged Material, by G. E. Zarogian, Carol Pesch, Paul Schauer, and Diane Black (includes Appendix A)	AD A157 374

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TR D-85-4	Jul 1985	Mathematical Model of the Consolidation/Desiccation Processes in Dredged Material, by K. W. Cargill (includes Appendixes A-E)	AD A158 730
TR D-85-5	Jul 1985	Long-Term Monitoring of Habitat Development at Upland and Wetland Dredged Material Disposal Sites, 1974-1982, by C. J. Newling and M. C. Landin (includes Appendix A)	AD A159 106
TR D-85-6	Sep 1985	Utility of the Scope for Growth Index to Assess the Physiological Impact of Black Rock Harbor Suspended Sediment on the Blue Mussel, <i>Mytilus edulis</i> : A Laboratory Evaluation, by W. G. Nelson, Dianne Black, and Donald Phelps (includes Appendix A)	AD A161 056
TR D-85-7	Sep 1985	Use of Bioenergetics to Investigate the Impact of Dredged Material on Benthic Species: A Laboratory Study with Polychaetes and Black Rock Harbor Material, by D. M. Johns, Ruth Gutjahr-Gobell, and Paul Schauer (includes Appendix A)	AD A161 050
TR D-85-8	Sep 1985	Application of Laboratory Population Responses for Evaluating the Effects of Dredged Material, by J. H. Gentile, K. J. Scott, Suzanne Lussier, and Michele Redmond (includes Appendixes A-C)	AD A160 507
TR D-85-9	Sep 1985	Chemical and Biological Characterization of Black Rock Harbor Dredged Material, by P. F. Rogerson, S. C. Schimmel, and Gerald Hoffman (includes Appendixes A-B; Appendix B is on microfiche)	AD A164 065
TR D-85-10	Nov 1985	Effectiveness of Capping in Isolating Contaminated Dredged Material from Biota and the Overlying Water, by J. M. Brannon, R. E. Hoeppe, T. C. Sturgis, Issac Smith, Jr., and Douglas Gunnison (includes Appendix A)	AD A165 251
TR D-86-1	Feb 1986	Histopathological Effects of Black Rock Harbor Dredged Material on Marine Organisms; A Laboratory Investigation, by P. P. Yevich, C. A. Yevich, K. J. Scott, et al.	AD A168 126
TR D-86-2	Mar 1986	The Duwamish Waterway Capping Demonstration Project: Engineering Analysis and Results of Physical Monitoring, by C. L. Truitt (includes Appendixes A-B)	AD A168 169
TR D-86-3	Jun 1986	Colonial Waterbird Habitats and Nesting Populations in North Carolina Estuaries: 1983 Survey, by J. F. Parnell, D. M. DuMond, and D. A. McCrimmon	AD A171 626
TR D-86-4	Aug 1986	Development of a Modified Elutriate Test for Estimating the Quality of Effluent From Confined Dredged Material Disposal Areas, by M. R. Palermo (includes Appendixes A-B)	AD A173 526
TR D-87-1	Mar 1987	Beneficial Uses of Dredged Material; Proceedings of the First Interagency Workshop, 7-9 October 1986, Pensacola, Florida, by M. C. Landin and H. K. Smith	AD A179 756
TR D-87-2	Jun 1987	Design and Management of Dredged Material Containment Areas to Improve Hydraulic Performance, by F. D. Shields, Jr., E. L. Thackston, P. R. Schroeder, and D. P. Bach (includes Appendixes A-C)	AD A187 235

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TR D-87-3	Jul 1987	The Assessment of Black Rock Harbor Dredged Material Impacts on Laboratory Population Responses, by J. H. Gentile, K. J. Scott, S. M. Lussier and M. S. Redmond (includes Appendixes A-B)	AD A184 569
TR D-87-4	Jul 1987	Impact of Open-Water Disposal of Black Rock Harbor Dredged Material on Benthic Recolonization at the FVP Site, by John Scott, Donald Rhoads, Jeffrey Rosen, et al. (includes Appendixes A-B)	AD A184 166
TR D-87-5	Jul 1985	Sister Chromatid Exchange in Marine Polychaetes Exposed to Black Rock Harbor Sediment, by G. G. Pesch, C. E. Pesch, A. R. Malcolm, et al. (includes Appendixes A-B)	AD A184 570
TR D-87-6	May 1988	Comparison of Field and Laboratory Bioaccumulation of Organic and Inorganic Contaminants from Black Rock Harbor Dredged Material, by J. L. Lake, Walter Galloway, and Gerald Hoffman (includes Appendixes A-C)	AD A197 118
TR D-87-7	Sep 1987	Effects of Black Rock Harbor Dredged Material on the Blue Mussel, <u>Mytilus edulis</u> , After Laboratory and Field Exposures, by W. G. Nelson, D. K. Phelps, W. B. Galloway, et al. (includes Appendixes A-B)	AD A189 465
TR D-87-8	Sep 1987	Effects of Black Rock Harbor Dredged Material on the Histopathology of the Blue Mussel <u>Mytilus edulis</u> and Polychaete Worm <u>Nephtys incisa</u> After Laboratory and Field Exposures, by P. P. Yevich, Carolyn Yevich, Gerald Pesch, and William Nelson (includes Appendixes A-C)	AD A188 152
TR D-88-1	Feb 1988	Field Evaluations of the Quality of Effluent from Confined Dredged Material Disposal Areas, by M. R. Palermo (includes Appendixes A-C)	AD A191 975
TR D-88-2	Feb 1988	Verification of Procedures for Designing Dredged Material Containment Areas for Solids Retention, by D. E. Averett, M. R. Palermo, and Roy Wade (includes Appendixes A-D)	AD A191 080
TR D-88-3	Mar 1988	Bioenergetic Effects of Black Rock Harbor Dredged Material on the Polychaete <u>Nephtys incisa</u> : A Field Verification, by D. M. Johns and Ruth Gutjahr-Gobell (includes Appendixes A-B)	AD A194 228
TR D-88-4	Jun 1988	A Field and Laboratory Study Using Adenylate Energy Charge as an Indicator of Stress in <u>Mytilus edulis</u> and <u>Nephtys incisa</u> Treated with Dredged Material, by G. E. Zarogian, P. F. Rogerson, Gerald Hoffman, et al. (includes Appendixes A-B)	AD A198 107
TR D-88-5	Sep 1988	Synthesis of Research Results: Applicability and Field Verification of Predictive Methodologies for Aquatic Dredged Material Disposal, by J. H. Gentile, G. G. Pesch, J. Lake, et al.	AD A200 175
TR D-88-6	Oct 1988	Summary of the US Army Corps of Engineers/US Environmental Protection Agency Field Verification Program, by R. K. Peddicord (includes Appendix A)	AD A200 173
TR D-88-7	Oct 1988	Synthesis of the Results of the Field Verification Program Upland Disposal Alternative, by B. L. Folsom, Jr., J. G. Skogerboe, M. R. Palermo, et al.	AD A200 174

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TR D-88-8	Nov 1988	Inland Waterways: Proceedings of a National Workshop on the Beneficial Uses of Dredged Material, 27-30 October 1987, St. Paul, Minnesota, edited by M. C. Landin (includes Appendix A)	AD A204 670
TR D-88-9	Dec 1988	Refinement of Column Settling Test Procedures for Estimating the Quality of Effluent from Confined Dredged Material Disposal Areas, by M. R. Palermo and E. L. Thackston (includes Appendix A)	AD A203 359
TR D-89-1	Dec 1989	Long-Term Monitoring of Eleven Corps of Engineers Habitat Development Field Sites Built of Dredged Material, 1974-1987, by M. C. Landin, J. W. Webb, and P. L. Knutson (includes Appendix A)	AD A220 267
TR D-89-2	Feb 1989	Synthesis of the Results of the Field Verification Program, Wetland Disposal Alternative, by J. W. Simmers, R. G. Rhett, S. H. Kay, and B. L. Folsom	AD A206 743

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Title changed to Water Operations Technical Support with Vol. E-86-1, January 1986. This publication is part of the Environmental and Water Quality Operational Studies (EWQOS) Program.

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IR E-82-1	Apr 1982 Revised Dec 1982 Revised Jul 1986	CE-QUAL-R1: A Numerical One-Dimensional Model of Reservoir Water Quality; User's Manual (includes Appendixes A-F)	AD A116 538
IR E-82-2	May 1982	Handbook of Environmental Quality Measurement and Assessment: Methods and Techniques, by J. E. Henderson	AD A114 914
IR E-82-3	Dec 1982	User Guide for LARM2: A Longitudinal-Vertical, Time-Varying Hydrodynamic Reservoir Model, by E. M. Buchak and J. E. Edinger (includes Appendixes A-I)	AD A124 441
IR E-84-1	Apr 1984	Fluorometric Techniques for Tracing Reservoir Inflows, by M. C. Johnson	AD A143 135
IR E-86-1	Feb 1986	General Guidelines for Monitoring Contaminants in Reservoirs, by J. B. Waide	AD A167 999
IR E-86-2	Jun 1986	Statistical Methods for Reservoir Water Quality Investigation, by R. F. Gaugush (includes Appendix A)	AD A171 046
IR E-86-3	Jul 1986	Handbook on Reservoir Releases for Fisheries and Environmental Quality, by J. M. Nestler, C. H. Walburg, J. F. Novotny, K. E. Jacobs, and W. D. Swink	AD A172 710
IR E-86-4	Aug 1986	Simplified, Steady-State Temperature and Dissolved Oxygen Model: User's Guide, by J. L. Martin (includes Appendix A)	AD A172 690
IR E-86-5	Aug 1986	CE-QUAL-W2: A Numerical Two-Dimensional, Laterally Averaged Model of Hydrodynamics and Water Quality; User's Manual	AD A172 930
IR E-87-1	Mar 1986	Sampling Design for Reservoir Water Quality Investigations, by R. F. Gaugush (includes Appendix A)	AD A180 443
IR E-87-2	Mar 1987	SELECT: A Numerical, One-Dimensional Model for Selective Withdrawal, by J. E. Davis, J. P. Holland, M. L. Schneider, and S. C. Wilhelms (includes Appendixes A-E)	AD A181 125

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MP E-80-1		Aquatic Habitat Studies on the Lower Mississippi River, River Mile 480 to 530:	
	Mar 1981	Report 1 Introduction, by A. C. Miller	AD A097 596
	Mar 1981	Report 2 Aquatic Habitat Mapping, by S. P. Cobb and J. R. Clark	AD A097 659
	Apr 1981	Report 3 Benthic Macroinvertebrate Studies--Pilot Report, by D. B. Mathis, S. P. Cobb, L. G. Sanders, A. D. Magoun, and C. R. Bingham	AD A104 800
	Dec 1980	Report 4 Diel Periodicity of Benthic Macroinvertebrate Drift, by C. R. Bingham, S. P. Cobb, and A. D. Magoun (includes Appendix A)	AD A094 425
	May 1981	Report 5 Fish Studies--Pilot Report, by C. H. Pennington, H. L. Schramm, Jr., M. E. Potter, and M. P. Farrell (includes Appendix A)	AD A101 542
	Apr 1981	Report 6 Larval Fish Studies--Pilot Report, by H. L. Schramm, Jr., and C. H. Pennington	AD A099 329
	Feb 1982	Report 7 Management of Ecological Data in Large River Ecosystems, by M. P. Farrell, A. D. Magoun, Karen Daniels, C. H. Pennington, and R. H. Strand	AD A116 990
	Feb 1982	Report 8 Summary, by T. D. Wright	AD A117 519
MP E-80-2	Dec 1980	Management of Water Quality Data Within the Corps of Engineers, 1979, by M. H. Smith and P. L. Doiron (includes Appendixes A-H)	AD A094 421
MP E-81-1	Feb 1981	Workshop on Riverine Water Quality Modeling, by L. S. Johnson, D. E. Ford, and D. L. Robey (includes Appendixes A-B)	AD A096 831
MP E-81-2	Jun 1981	Estimating Phytoplankton Biomass and Productivity, by J. J. Janik, W. D. Taylor, and V. W. Lambou	AD A101 413
	Oct 1981	Errata Sheet No. 1	
	Mar 1985	Errata Sheet No. 2	
MP E-81-3	Sep 1981	Dissolved Nitrogen Measurements at Clarks Hill Reservoir, Georgia-South Carolina, by D. K. Merritt and Daniel Leggett	AD A105 075
MP E-82-1	Feb 1982	Assessment of Implanted Substrate Samplers for Macroinvertebrates Inhabiting Stone Dikes of the Lower Mississippi River, by D. B. Mathis, C. R. Bingham, and L. G. Sanders	AD A113 127
MP E-82-2	Jun 1982	Potential Biological Impacts of Navigation Traffic, by T. D. Wright	AD A116 991
MP E-82-3	Jul 1982	Grab Samplers for Benthic Macroinvertebrates in the Lower Mississippi River, by C. R. Bingham, D. B. Mathis, L. G. Sanders, and Eva McLemore	AD A118 077

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MP E-82-5	Aug 1982	Effects of Permanently Raised Water Tables on Forest Overstory Vegetation in the Vicinity of the Tennessee-Tombigbee Waterway, by C. V. Klimas	AD A118 103
MP E-82-6	Dec 1982	Microbiological Water Quality of Impoundments: A Literature Review, by G. A. Burton, Jr.	AD A123 470
MP E-83-1	May 1983	Phosphorus Dynamics in an Arkansas Reservoir: The Importance of Seasonal Loading and Internal Recycling, by R. H. Kennedy, R. H. Montgomery, and W. F. Jones	AD A129 009
MP E-83-2	Jul 1983	Effects of Fluctuating Reservoir Water Levels on Fisheries, Wildlife, and Vegetation; Summary of a Workshop, 24-26 February 1981, edited by H. H. Allen and L. R. Aggus	AD A132 603
MP E-83-3	Oct 1983	Seasonal and Spatial Distribution of Zooplankton in a Flood Control Reservoir and Tailwater, by J. F. Novotny and R. D. Hoyt	AD A135 911
MP E-84-1	Jan 1984	Evaluation Techniques for CE-QUAL-R1: A One-Dimensional Reservoir Water Quality Model, by J. H. Wlosinski (includes Appendixes A-C)	AD A140 766
MP E-84-2	Jan 1984	Richard B. Russell Dam and Reservoir: Potential Water Quality Effects of Initial Filling and Decomposition of Vegetation, by Douglas Gunnison, J. M. Brannon, R. L. Chen, Isaac Smith, Jr., and T. C. Sturgis (includes Appendixes A-C)	AD A141 349
MP E-84-3	Feb 1984	The Hydrometeorology of DeGray Lake, Arkansas, by Bryan Ford and A. B. Stein (includes Appendixes A-C)	AD A140 099
MP E-84-4	Jun 1984	Convection Schemes for Use with Curvilinear Coordinate Systems - A Survey, by J. F. Thompson	AD A147 093
MP E-84-5	Jul 1984	Anaerobic and Aerobic Rate Coefficients for Use in CE-QUAL-R1, by R. L. Chen, J. M. Brannon, and D. Gunnison	AD A145 499
MP E-85-1	Oct 1985	Prey Selection and Feeding Patterns of Fish in a Southern United States Hydropower Tailwater, by D. H. Barwick, P. L. Hudson, and J. M. Nestler	AD A163 142
MP E-86-1	Feb 1986	Initial Evaluation of a Computer Algorithm for Simulating Anaerobic Conditions in Reservoirs and Lakes, by M. J. Zimmerman	AD A168 000
MP E-86-2	May 1986	Morphologic Effects of Lower Mississippi River Dike Fields, by N. R. Nunnally, and L. B. Beverly (includes Appendix A)	AD A169 012
MP E-86-3	Aug 1986	Macroinvertebrate Gear Evaluation, by L. G. Sanders, C. R. Bingham, and D. C. Beckett	AD A171 648
MP E-86-4	Aug 1986	Experimental Manipulations of Phytoplankton in Eau Claire Reservoir, by J. W. Barko, A. R. Klemmer, D. G. McFarland, and M. S. Hennington	AD A172 873

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MP E-87-2	Apr 1987	Supplemental Limnological Studies at Richard B. Russell and Clarks Hill Lakes, 1983-1985, edited by R. H. Kennedy (includes Appendixes A-E)	AD A182 696
MP E-87-3	Jul 1987	Proceedings: CE Workshop on Reservoir Releases (includes Appendix A)	AD A183 860
MP E-89-1	Jul 1989	Formulation of Water Quality Models for Streams, Lakes, and Reservoirs: Modeler's Perspective, by H. G. Stefan, R. B. Ambrose, Jr., and M. S. Dortch	AD A211 198

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TR E-79-1	Apr 1979	Artificial Destratification of Reservoirs; Hydraulic Laboratory Investigation, by M. S. Dortch (includes Appendix A)	AD A070 465
TR E-79-2	Aug 1979	Flood Tolerance in Plants: A State-of-the-Art Paview, by T. H. Whitlow and R. W. Harris (includes Appendixes A-G)	AD A075 938
TR E-79-3	Oct 1979	Plant-Mediated Phosphorus Mobilization from Sediments: Potential Influence on Freshwater Phosphorus Cycling, by J. W. Barko, R. M. Smart, M. S. Matthews, and D. G. Hardin	AD A077 623
TR E-80-1	Jan 1980	A Compilation of Common Algal Control and Management Techniques, by J. J. Janik, W. D. Taylor, and J. W. Barko (includes Appendix A)	AD A082 013
TR E-80-2	Jan 1980	Judicial Review Under NEPA--Lessons for Users of Various Approaches to Environmental Impact Assessment, by R. A. Liroff (includes Appendixes A-E)	AD A081 652
TR E-80-3	Apr 1980	Trophic State of Lakes and Reservoirs, by W. D. Taylor, V. W. Lambou, L. R. Williams, and S. C. Hern	AD A084 827
TR E-80-4	Mar 1980	Simulation Modeling of Zooplankton and Benthos in Reservoirs: Documentation and Development of Model Constructs, by G. R. Leidy and G. R. Ploskey (includes Appendixes A-E)	AD A090 932
TR E-80-5	Dec 1980	Tracer Measurement of Reaeration: Application to Hydraulic Models; Hydraulic Model Investigation, by S. C. Wilhelms	AD A096 774
TR E-81-1	Feb 1981	Evaluation of Techniques to Estimate Annual Water Quality Loadings to Reservoirs, by H. E. Westerdahl, W. B. Ford III, Jane Harris, and C. R. Lee	AD A096 773
TR E-81-2	Feb 1981	A Review of Numerical Reservoir Hydrodynamic Modeling, by B. H. Johnson (includes Appendixes A-C)	AD A097 823
TR E-81-3	Mar 1981	Jet Entrainment in Pumped-Storage Reservoirs, by P. J. W. Roberts (includes Appendix A)	AD A098 156
TR E-81-4	Mar 1981	User's Manual for the Evaluation and Sensitivity Analysis Program (ESAP), by Jeryl Mumpower and Lee Bollacker (includes Appendixes A-D)	AD A099 307
TR E-81-5	Mar 1981	Reaeration Through Gated-Conduit Outlet Works, by S. C. Wilhelms and D. R. Smith (includes Appendixes A-C)	AD A099 378
TR E-81-6	Apr 1981	Characterization of Anaerobic Chemical Processes in Reservoirs: Problem Description and Conceptual Model Formulation, by Douglas Gunnison and J. M. Brannon	AD A099 674
TR E-81-7	May 1981	Proceedings of Workshop on Algal Management and Control, 9-12 March 1980, Pacific Grove, Calif.	AD A101 554
TR E-81-8	May 1981	Water Quality, Macroinvertebrates, and Fisheries in Tailwaters and Related Streams; An Annotated Bibliography, by C. H. Walburg, J. F. Novotny, K. E. Jacobs, et al.	AD A101 369

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	May 1981	Report 1 Phase I: Data Base Development, by W. W. Walker, Jr. (includes Appendix A)	AD A101 553
	Apr 1983	Errata Sheet No.1	
	Mar 1985	Errata Sheet No. 2	
	Sep 1982	Report 2 Phase II: Model Testing, by W. W. Walker, Jr. (includes Appendixes A-G)	AD A134 690
	Mar 1985	Errata Sheet No. 1	
	Mar 1985	Report 3 Phase II: Model Refinements, by W. W. Walker, Jr. (includes Appendixes A-B)	AD A155 483
	Jul 1987	Report 4 Phase III: Applications Manual, by W. W. Walker, Jr.	AD A188 261
TR E-81-10	Jul 1981	Gas Transfer in Hydraulic Jumps, by S. C. Wilhelms, Lancelot Clark, J. R. Wallace, and D. R. Smith (includes Appendix A)	AD A103 132
TR E-81-11	Aug 1981	Factors Affecting Fish Production and Fishing Quality in New Reservoirs, with Guidance on Timber Clearing, Basin Preparation, and Filling, by G. R. Ploskey	AD A103 428
TR E-81-12	Sep 1981	Effects of Reservoir Releases on Tailwater Ecology: A Literature Review, by C. H. Walburg, J. F. Novotny, K. E. Jacobs, et al. (includes Appendixes A-E)	AD A105 058
TR E-81-13		Phytoplankton-Environmental Interactions in Reservoirs:	
	Sep 1981	Volume I Papers Presented at Workshop, 10-12 April 1979, Monterey, California, edited by M. W. Lorenzen	AD A108 019
	Sep 1981	Volume II Discussion of Workshop Papers and Open Literature, by M. W. Lorenzen, D. B. Procella, and T. M. Grieb	AD A108 284
TR E-81-14	Nov 1981	A Study of Cutoff Bendways on the Tombigbee River, by C. H. Pennington, J. A. Baker, F. G. Howell, and C. L. Bond	AD A108 896
TR E-82-1	Feb 1982	Optimal Control of Reservoir Discharge Quality Through Selective Withdrawal; Hydraulic Laboratory Investigation, by D. G. Fontane, J. W. Labadie, and Bruce Loftis	AD A112 007
TR E-82-2	Feb 1982	Reaeration Tests, Enid Lake Outlet Works, by C. H. Tate, Jr. (includes Appendixes A-B)	AD A113 593
TR E-82-3	May 1982	Environmental Aspects of Artificial Aeration and Oxygenation of Reservoirs: A Review of Theory, Techniques, and Experiences, by R. A. Pastorok, M. W. Lorenzen, and T. C. Ginn (includes Appendix A)	AD A117 528
TR E-82-4	Apr 1982	Review of Environmental Consequences of Waterway Design and Construction Practices as of 1979, by E. L. Thackston and R. B. Sneed	AD A118 078

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TR E-82-6	May 1982	Aquatic Biota of Bank Stabilization Structures on the Missouri River, North Dakota, by R. M. Burress, D. A. Krieger, and C. H. Pennington (includes Appendix A)	AD A118 483
TR E-82-7	Jul 1982	Environmental Features for Flood-Control Channels, by F. D. Shields, Jr. (includes Appendix A)	AD A120 544
TR E-82-8	Sep 1982	Assessment of Environmental Considerations in the Design and Construction of Waterway Projects, by F. D. Shields, Jr., and M. R. Palermo (includes Appendix A)	AD A121 361
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TR E-83-1	Jan 1983	Developments in LARM2: A Longitudinal-Vertical, Time-Varying Hydrodynamic Reservoir Model, by J. E. Edinger and E. M. Buchak (includes Appendix A)	AD A124 442
TR E-83-2	Jan 1983	Fishes of Selected Aquatic Habitats on the Lower Mississippi River, by C. H. Pennington, J. A. Baker, and C. L. Bond (includes Appendix A)	AD A125 995
TR E-83-3	Feb 1983	A Review of the Effects of Water-Level Changes on Reservoir Fisheries and Recommendations for Improved Management, by G. R. Ploskey	AD A125 777
TR E-83-4	Feb 1983	Larval Fish of Selected Aquatic Habitats on the Lower Mississippi River, by J. V. Conner, C. H. Pennington, and T. R. Bosley	AD A126 769
TR E-83-5	Feb 1983	Techniques for Reaeration of Hydropower Releases, by C. E. Bohac, J. W. Boyd, E. D. Harshbarger, and A. R. Lewis (includes Appendixes A-B)	AD A126 771
TR E-83-6	Feb 1983	Effects of Reservoir Releases on Water Quality, Macro-invertebrates, and Fish in Tailwaters: Field Study Results, by C. H. Walburg, J. F. Novotny, K. E. Jacobs, and W. D. Swink (includes Appendixes A-G)	AD A126 770
TR E-83-7	Jul 1983	An Assessment of Reservoir Density Currents and Inflow Processes, by D. E. Ford and M. C. Johnson (includes Appendixes A-D)	AD A137 303
TR E-83-8	Mar 1983	A Boundary-Fitted Coordinate Code for General Two-Dimensional Regions with Obstacles and Boundary Intrusions, by J. F. Thompson	AD A129 482
TR E-83-9	Mar 1983	Water Quality Optimization Through Selective Withdrawal, by A. B. Poore and Bruce Loftis (includes Appendix A)	AD A128 270
TR E-83-10	Apr 1983	Benthic Macroinvertebrates of Selected Aquatic Habitats of the Lower Mississippi River, by D. C. Beckett, C. R. Bingham, L. G. Sanders, et al. (includes Appendixes A-B)	AD A130 380

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TR E-83-12	May 1983	Movement, Transport, and Scour of Particulate Organic Matter and Aquatic Invertebrates Downstream from a Peaking Hydropower Project, by William Matter, Patrick Hudson, John Nestler, and Gary Saul (includes Appendix A)	AD A130 379
TR E-83-13	May 1983	Literature Survey of Reservoir Contaminant Problems, by R. A. Khalid, R. P. Gambrell, B. A. Taylor, and W. H. Patrick, Jr. (includes Appendixes A-B; reproduced on microfiche)	AD A130 371
TR E-83-14	Jun 1983	Evaluating Changes in Dike Field Fishes with Community Information Indices, by H. N. Polovino, M. P. Farrell, and C. H. Pennington	AD A132 052
TR E-83-15	Oct 1983	Coefficients for Use in the U. S. Army Corps of Engineers Reservoir Model, CE-QUAL-R1, by C. D. Collins and J. H. Wlosinski	AD A135 773
TR E-83-16	Oct 1983	Characterization of Aerobic Chemical Processes in Reservoirs: Problem Description and Model Formulation, by R. L. Chen, Douglas Gunnison, and J. M. Brannon	AD A135 812
TR E-84-1	Jan 1984	Riverine Influences on the Water Quality Characteristics, West Point Lake, by R. H. Kennedy, R. C. Gunkel, Jr., and J. V. Carlile	AD 141 328
TR E-84-2	Feb 1984	A Comparative Study of Sediment Quality in Four Reservoirs, by R. C. Gunkel, Jr., R. F. Gaugush, R. H. Kennedy, et al. (includes Appendix A)	AD A140 750
TR E-84-3	Mar 1984	Fish of Two Dike Pools in the Lower Mississippi River, by R. W. Nailon and C. H. Pennington	AD A143 636
TR E-84-4	Sep 1984	Environmental Guidelines for Dike Fields, by C. W. Burch, P. R. Abell, M. A. Stevens, et al. (includes Appendixes A-D)	AD A147 440
	May 1985	Errata Sheet No. 1	
TR E-84-5	Apr 1984	Investigation of Water Quality and Plankton in Selected Aquatic Habitats on the Lower Mississippi River, by B. M. Sabol, L. E. Winfield, and D. G. Toczydlowski (includes Appendix A)	AD A142 794
TR E-84-6	Jun 1984	Measurements of Dissolved Gases at Corps of Engineers Projects, by S. C. Wilhelms (includes Appendix A)	AD A142 727
TR E-84-7	Jun 1984	Parametric Investigation of Localized Mixing in Reservoirs, by J. P. Holland (includes Appendix A)	AD A144 276
TR E-84-8	Jul 1984	Effects of Water Levels and Hydrology on Fisheries in Hydropower Storage, Hydropower Mainstream and Flood Control Reservoirs, by G. R. Ploskey, L. R. Aggus, and J. M. Nestler (includes Appendixes A-D)	AD A146 239
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TR E-84-9	Aug 1984	Fish and Invertebrates of Revetments and Other Habitats in the Willamette River, Oregon, by R. C. Hjort, P. L. Hulett, L. D. LaBolle, and H. W. Li (includes Appendixes A-C)	AD A147 441
TR E-84-10	Oct 1984	Investigation and Discussion of Techniques for Hypolimnion Aeration/Oxygenation, by J. P. Holland and C. H. Tate, Jr. (includes Appendix A)	AD A148 701
TR E-84-11	Nov 1984	Environmental Features for Streambank Protection Projects, by J. E. Henderson and F. D. Shields, Jr. (includes Appendix A)	AD A150 660
TR E-85-1	Jan 1985	Reaeration at Navigation Locks, by S. C. Wilhelms	AD A153 813
TR E-85-2		Limnological Studies at Eau Galle Lake, Wisconsin:	
	Mar 1985	Report 1 Introduction and Water Quality Monitoring Studies, edited by R. H. Kennedy (includes Appendixes A-B)	AD A157 073
		Report 2 Special Studies and Summary, edited by R. H. Kennedy and R. C. Gunkel, Jr.	
TR E-85-3	May 1985	Incorporation of Environmental Features in Flood Control Channel Projects, by N. R. Nunnally and F. D. Shields (includes Appendixes A-F)	AD A157 815
TR E-85-5	Jun 1985	Effects of Reservoir Water Levels on Year-Class Development and the Abundance of Harvestable Fish, by G. R. Ploskey, L. R. Aggus, and J. M. Nestler (includes Appendix A)	AD A158 040
TR E-85-6	Jul 1985	Biota of Selected Aquatic Habitats of the McClellan-Kerr Arkansas River Navigation System, by L. G. Sanders, J. A. Baker, C. L. Bond, and C. H. Pennington	AD A161 036
TR E-85-7	Aug 1985	Environmental Features for Streamside Levee Projects, by J. R. Hynson, P. R. Adamus, J. O. Elmer, et al. (includes Appendixes A-F)	AD A161 020
TR E-85-8	Aug 1985	WESSEL: Code for Numerical Simulation of Two-Dimensional Time-Dependent Width-Averaged Flows with Arbitrary Boundaries, by J. F. Thompson and R. S. Bernard (includes Appendixes A-E)	AD A160 990
TR E-85-9	Aug 1985	Numerical Modeling of Two-Dimensional Width-Averaged Flows Using Boundary-Fitted Coordinate Systems, by J. F. Thompson and R. S. Bernard (includes Appendix A)	AD A160 991
TR E-85-10	Aug 1985	Hydroacoustic Fishery Assessment Techniques: A Feasibility Study on the Mississippi River, by Paul Kanciruk and C. H. Pennington	AD A161 001
TR E-85-11	Oct 1985	Confirmation of the Water Quality Model CE-QUAL-R1 Using Data from Eau Galle Reservoir, Wisconsin, by J. H. Wlosinski and C. D. Collins (includes Appendixes A-C)	AD A164 226
TR E-85-12	Oct 1985	Entrainment Descriptions for Mathematical Modeling of Pumped-Storage Inflows in Reservoirs, by P. J. W. Roberts and M. S. Dortch (includes Appendixes A-C)	AD A164 397

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TR E-85-14	Dec 1985	Physical Modeling of Reservoir Hydrodynamics, by M. S. Dortch, S. C. Wilhelms, and J. P. Holland (includes Appendixes A-B)	AD A165 968
TR E-85-15	Dec 1985	Fish Recruitment and Movement in a Flood Control Reservoir and Tailwater, by K. E. Jacobs, W. D. Swink, J. M. Nestler, and L. T. Curtis	AD A166 048
TR E-86-1	Jan 1986	Shoreline Revegetation Studies at Lake Texoma on the Red River, Texas-Oklahoma, by J. E. Lester, C. V. Klimas, H. H. Allen, and S. G. Shetron (includes Appendix A)	AD A166 314
TR E-86-2	Jan 1986	Approaches to Revegetate Shorelines at Lake Wallula on the Columbia River, Washington-Oregon, by R. D. Comes and Timothy McCreary (includes Appendix A)	AD A166 943
TR E-86-3	Mar 1986	Lakeshore Revegetation Studies at Lake Oahe, South Dakota, by G. R. Hoffman, S. G. Shetron, C. V. Klimas, and H. H. Allen (includes Appendix A)	AD A168 142
TR E-86-4	Mar 1986	Reservoir Site Preparation: Summary Report, by Douglas Gunnison, J. M. Brannon, and R. L. Chen (includes Appendix A)	AD A168 001
TR E-86-5	Jun 1986	Environmental Effects of Dikes and Revetments on Large Riverine Systems, by M. B. Sandheinrich and G. J. Atchison (includes Appendix A)	AD A171 000
TR E-86-6	Jul 1986	Aquatic Biota Associated with Channel Stabilization Structures and Abandoned Channels in the Middle Missouri River, by G. J. Atchison, R. W. Bachmann, J. G. Nickum, J. B. Barnum, and M. B. Sandheinrich	AD A171 653
TR E-86-7	Jul 1986	An Assessment of Reservoir Mixing Processes, by D. E. Ford and L. S. Johnson (includes Appendixes A-B)	AD A171 650
TR E-86-8	Jul 1986	Size Distribution of Planktonic Autotrophy and Microheterotrophy in DeGray and West Point Reservoirs: A Comparative Study, by B. L. Kimmel and A. W. Groeger	AD A171 651
TR E-86-9	Jul 1986	Evaluation of Larval Fish Sampling Gears for Use on Large Rivers, by T. R. Bosley, C. H. Pennington, M. E. Potter, and S. S. Knight	AD A171 652
TR E-86-10	Aug 1986	Effects of Flow Alterations on Trout, Angling, and Recreation in the Chattahoochee River Between Buford Dam and Peachtree Creek, by J. M. Nestler, Janet Fritschen, R. T. Milhous, and Jay Troxel (includes Appendixes A-C)	AD A172 725
TR E-86-11	Sep 1986	Mixing in Rivers, by E. R. Holley and G. H. Jirka	AD A174 931
TR E-86-12	Sep 1986	Water Quality, Macroinvertebrates, Larval Fishes, and Fishes of the Lower Mississippi River--A Synthesis, by D. C. Beckett and C. H. Pennington (includes Appendixes A-B)	AD A175 419
TR E-86-13	Nov 1986	Reservoir Shoreline Revegetation Guidelines, by H. H. Allen and C. V. Klimas (includes Appendixes A-B)	AD A175 368

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TR E-87-1	Mar 1987	Application of a Two-Dimensional Model of Hydrodynamics and Water Quality (CE-QUAL-W2) to DeGray Lake, Arkansas, by J. L. Martin (includes Appendix A)	AD A182 202
TR E-87-2	Mar 1987	Improved Description of Selective Withdrawal Through Point Sinks, by D. R. Smith, S. C. Wilhelms, J. P. Holland, et al. (includes Appendixes A-B)	AD A812 515
TR E-87-3	Mar 1987	Improvement of Hydropower Release Dissolved Oxygen with Turbine Venting, by S. C. Wilhelms, M. L. Schneider, and S. E. Howington (includes Appendixes A-D)	AD A181 372
TR E-87-4	Mar 1987	Proceedings of the DeGray Lake Symposium, edited by R. H. Kennedy and Joe Nix	AD A183 751
TR E-87-5	Mar 1987	Vertical, Horizontal, and Diel Distribution of Invertebrate Drift in the Lower Mississippi River, by D. C. Beckett and R. L. Kasul	AD A181 439
TR E-87-6	May 1987	Hydrodynamics and Modeling of Reregulation Pools, by R. C. Berger, Jr. (includes Appendixes A-D)	
TR E-89-1		Water Quality Management for Reservoirs and Tailwaters:	
	Jan 1989	Report 1 In-Reservoir Water Quality Management Techniques, by G. D. Cooke and R. H. Kennedy	AD A208 942
TR E-89-2	Jul 1989	Sediment-Water Interactions and Contaminants in Corps of Engineers Reservoir Projects, by Douglas Gunnison, J. M. Brannon, A. L. Mills, and L. K. Blum	AD A211 153

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IR R-81-1	Aug 1981	A Guide to Cultural and Environmental Interpretation in the U. S. Army Corps of Engineers, by D. B. Propst and J. W. Roggenbuck (includes Appendix A)	AD A104 250
IR R-83-1	Mar 1983	Computing Cost-Effectiveness of Alternative Sanitary Facilities, by M. R. Waring, R. W. Hodgson, T. M. Walski, and A. K. Lindsey (includes Appendixes A-C)	AD A130 979
IR R-84-1	May 1984	Supplements to a Guide to Cultural and Environmental Interpretation in the U. S. Army Corps of Engineers	AD A147 037
IR R-86-1	Apr 1986	An Example of a Mailed Contingent Valuation Survey Method in a Marina Feasibility Study, by R. W. Hodgson	AD A169 498
IR R-86-2	Dec 1986	Field Guide for Low-Maintenance Vegetation Establishment and Management (includes Appendixes A-C)	AD A176 309
IR R-87-1	Mar 1987	Guidelines for Determining Key Indicators of Recreation Use, by M. R. Waring (includes Appendixes A-C)	AD A181 326

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MP R-80-2	Sep 1980	Development of a Methodology for Preparing Performance Standards for Operation and Maintenance Activities at Corps of Engineers Recreation Areas, by W. H. Bumgardner (includes Appendixes A-J)	AD A091 560
MP R-81-1	Mar 1981	A Methodology for the Systematic Collection, Storage, and Retrieval of Trend Data for the U. S. Army Engineers Recreation Program, by D. B. Propst and R. V. Abbey	AD A098 274
MP R-81-2	Aug 1981	Impact of the Energy Crisis on Corps of Engineers Recreation Program, by D. B. Propst (includes Appendix A)	AD A104 799
MP R-82-1	Feb 1982	Innovative Roadway Design for Recreation Areas, by J. W. Epps, M. W. Corey, and M. J. Cullinane	AD A113 248
MP R-82-2	Apr 1982	Development and Evaluation of the Campground Receipt Study, by G. L. Curtis, R. S. Jackson, W. J. Hansen, and J. A. Rorabacher (includes Appendixes A-B)	AD A114 128
MP R-82-3	Oct 1982	Summary of the 1981 Campground Receipt Study, by G. L. Curtis and W. J. Hansen (includes Appendixes A-D)	AD A122 095
MP R-83-1	Aug 1983	Perceptions of the Corps of Engineers' Recreation Concession Program, by W. H. Bumgardner	AD A132 824
MP R-83-2	Dec 1983	Summary of the 1982 Campground Receipt Study, by G. L. Curtis (includes Appendixes A-C)	AD A140 532

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MP R-85-2	Mar 1985	Summary of the 1983 Campground Receipt Study, by J. A. Fritschen (includes Appendixes A-D)	AD A156 395
MP R-86-1	Aug 1986	Summary of the 1984 Campground Receipt Study, by L. R. Lawrence and J. A. Fritschen (includes Appendixes A-B)	AD A174 447
MP R-87-1	Mar 1987	Catalog of Computer Programs for Project Management, by J. A. Fritschen and L. R. Lawrence (includes Appendix A)	AD A181 138
MP R-88-1	Apr 1988	Use of IMPLAN with Public Area Recreation Visitor Survey (PARVS) Pretest Data: Findings and Recommendations, by D. B. Propst (includes Appendixes A-C)	AD A196 058
MP R-89-1	Sep 1989	Proceedings, 14th Annual Meeting, Natural Resources Research Program, 19-20 April 1989, Omaha, Nebraska	AD A214 437
MP R-89-2	Oct 1989	Operational Management Plans: Status, Content, and Implementation, by L. D. Peyman-Dove, M. R. Waring, and J. P. Titre (includes Appendix A)	AD A213 976

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TR R-80-1	Sep 1980	Recreation Carrying Capacity Design and Management Study (includes Appendixes A-F)	AD A090 704
TR R-81-1	Mar 1981	Recreation Research and Demonstration System: Its Selection, Operation, and Potential Utility, by W. J. Hart (includes Appendixes A-G)	AD A099 751
TR R-82-1	Oct 1982	Summary Report: Visitor Safety and Security at Corps of Engineers Projects, by R. S. Jackson	AD A122 005
TR R-83-1	Mar 1983	Alternative Approaches to Operating and Maintaining Recreation Areas, by W. H. Bumgardner (includes Appendix A)	AD A125 745
TR R-87-1	Jul 1987	Summary of the 1985 Campground Receipt Study, by Larry Lawrence (includes Appendixes A-B)	AD A183 214

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TR Y-82-1	Aug 1982	Use of Vegetation in Delineating Wetland Borders in Upper Missouri River Basin; North-Central United States, by W. C. Johnson, R. A. Mayes, and T. L. Sharik (includes Appendixes A-C)	AD A120 798
TR Y-82-2	Aug 1982	A Literature Survey on the Wetland Vegetation of Alaska, by A. R. Batten and D. F. Murray	AD A120 573
TR Y-83-1	Oct 1983	Evaluation of Methods for Sampling Vegetation and Delineating Wetlands Transition Zones in Southern Louisiana, January 1979-May 1981, by S. W. Fletcher (includes Appendixes A-C)	AD A138 643
TR Y-83-2	Aug 1985	Wetlands Functions and Values Study Plan, by E. J. Clairain, Jr., D. R. Sanders, Sr., H. K. Smith, and C. V. Klimas	AD 159 630
	Mar 1984	Appendix A Analysis of Methodologies for Assessing Wetlands Values, by R. I. Lonard, E. J. Clairain, Jr., R. T. Huffman, et al.	AD A142 120
	Dec 1983	Appendix B Survey of U. S. Army Corps of Engineers Wetlands Values Information Needs, by S. W. Forsythe, E. J. Clairain, Jr., and H. K. Smith (includes Appendix A)	AD A139 002
TR Y-84-1	Apr 1984	Delineation of Wetland Boundaries Using Vegetation Within the Altamaha River Basin of Georgia, by B. F. Vaughan, Jr., R. J. Cooper, J. H. Braswell, and Robin Hart (includes Appendixes A-E)	AD A142 590
TR Y-84-2	Apr 1984	Evaluation of Methods for Sampling Vegetation and Delineating Wetlands Transition Zones in Coastal West-Central Florida, January 1979-May 1981, by Robin Hart (includes Appendixes A-E)	AD A144 677
TR Y-86-1	Feb 1986	A Concept and Procedure for Developing and Utilizing Vegetation Flood Tolerance Indices in Wetland Delineation, by R. F. Theriot and D. R. Sanders, Sr.	AD A166 359
TR Y-86-2	Oct 1986	Wetlands and Water Quality: A Regional Review of Recent Research in the United States on the Role of Freshwater and Saltwater Wetlands as Sources, Sinks, and Transformers of Nitrogen, Phosphorus, and Various Heavy Metals, by S. W. Nixon and Virginia Lee	AD A176 942

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Unnumbered		Wetland Evaluation Technique (WET):	
	Oct 1987	Volume II Methodology, by P. R. Adamus, ARA, Inc., E. J. Clairain, Jr., et al. (includes Appendixes A-G)	AD A189 968

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Unnumbered	Mar 1982	Management of Bottom Sediments Containing Toxic Substances; Proceedings of the 6th U. S./Japan Experts Meeting, 16-18 February 1981, Tokyo, Japan	AD A116 778
Unnumbered	Oct 1983	Management of Bottom Sediments Containing Toxic Substances; Proceedings of the 7th U. S./Japan Experts Meeting, 2-4 November 1981, New York City, USA	AD A136 740
Unnumbered	Jul 1984	Management of Bottom Sediments Containing Toxic Substances; Proceedings of the 8th U. S./Japan Experts Meeting, 8-10 November 1982, Tokyo, Japan, edited by T. R. Patin	AD A149 291
Unnumbered	Mar 1985	Management of Bottom Sediments Containing Toxic Substances: Proceedings of the 9th U. S./Japan Experts Meeting, 17-19 October 1983, Jacksonville, Florida, edited by T. R. Patin	AD A157 863
Unnumbered	Oct 1985	Management of Bottom Sediments Containing Toxic Substances: Proceedings of the 10th U. S./Japan Experts Meeting, 30-31 October 1984, Kyoto, Japan, edited by T. R. Patin	AD A163 709
Unnumbered	Mar 1987	Third United States - The Netherlands Meeting on Dredging and Related Technology, 10-14 September 1984, Charleston, South Carolina	AD A182 670
Unnumbered	Apr 1987	Management of Bottom Sediments Containing Toxic Substances: Proceedings of the 11th U. S./Japan Experts Meeting, 4-6 November 1985, Seattle, Washington, edited by T. R. Patin	AD A186 119
Unnumbered	Jan 1988	Beneficial Uses of Dredged Material: Proceedings of the North Atlantic Regional Conference, 12-14 May 1987, Baltimore, Maryland, edited by M. C. Landin	AD A192 350

* This section includes reports published under the Dredging Operations Technical Support (DOTS) Program, Long-Term Effects of Dredging Operations (LEDO) Program, and Field Verification Program (FVP)

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		<u>VESSEL POSITIONING, SURVEY CONTROLS, AND DREDGE MONITORING SYSTEMS</u>	
DRP-4-01	Nov 1989	Laboratory Tests of Production Meter Instruments	
		<u>MANAGEMENT OF DREDGING PROJECTS</u>	
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EEDP-01-8	Mar 1987	Simplified Approach for Evaluation Bioavailability of Neutral Organic Chemicals in Sediment	
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		<u>MANAGEMENT</u> (Cont'd)	
EEDP-06-11	Jan 1990	Preliminary Guidelines and Conceptual Framework for Comprehensive Analysis of Migration Pathways (CAMP) of Contaminated Dredged Material	
		<u>BENEFICIAL USES</u>	
EEDP-07-1	Dec 1986	Building, Developing, and Managing DM Islands for Bird Habitat	
EEDP-07-2	May 1988	Wetlands Created for DM Stabilization and Wildlife Habitat in Moderate to High Wave Energy Environments	
EEDP-07-3	Feb 1988	Construction of a Submerged Gravel Bar Habitat Using Dredged Material	
EEDP-07-4	Mar 1988	Construction of a Shallow-Water Gravel Bar Habitat Using Dredged Material	
EEDP-07-5	Feb 1989	The Value of Gravel Disposal Mounds in River Side Channels for Freshwater Mussels	
		<u>MISCELLANEOUS</u>	
EEDP-08-1	Nov 1988	The Value of Wing Dams for Freshwater Mussels	
		<u>EQUIPMENT</u>	
EEDP-09-1	Dec 1986	Guide to Selecting a Dredge for Minimizing Resuspension of Sediment	
EEDP-09-2	Mar 1988	Sediment Resuspension by Selected Dredges	
EEDP-09-3	Apr 1988	A Preliminary Evaluation of Contaminant Release at the Point of Dredging	
EEDP-09-4	Jan 1989	Equipment Mobility in Confined Dredged Material Disposal Areas; Field Evaluations	
EEDP-09-5	Jan 1990	Selecting Equipment for Use in Dredged Material Containment Areas	

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Contract Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
CR GL-87-1	Sep 1987	Statistical Analysis of Geotechnical Data, by Gregory Baecher (includes Appendixes A-B)	AD A186 797
CR GL-87-2	Sep 1987	Statistical Quality Control of Engineered Embankments, by Gregory Baecher	AD A186 796
CR GL-87-3	Sep 1987	Error Analysis for Geotechnical Engineering, by Gregory Baecher (includes Appendix A)	AD A186 795
CR GL-87-4	Sep 1987	Uncertainty Analysis for Dam Projects, by Gregory Baecher	AD A187 515
CR GL-87-5	Sep 1987	A Study of Lateral Pressures on Basement Walls Due to Swelling Soils, by W. K. Wray (includes Appendix A)	AD A186 423
CR GL-88-1	Nov 1988	True Triaxial and Directional Shear Cell Experiments on Dry Sand, by S. Sture, M. M. Alawi, and H. -Y. Ko (includes Appendixes A-C)	AD A201 282
CR GL-89-1	Feb 1989	Rock Quality Designation (RQD) After Twenty Years, by D. U. Deere and D. W. Deere (includes Appendix A)	AD A207 597
CR GL-89-2		Re-Evaluation of the Lower San Fernando Dam:	
	Sep 1989	Report 1 An Investigation of the February 9, 1971 Slide	
		Volume I Text, by Gonzalo Castro, T. O. Keller, and S. S. Boynton	AD A214 589
		Volume II Appendixes A-F, by Gonzalo Castro, T. O. Keller, and S. S. Boynton	AD A214 794
	Sep 1989	Report 2 Examination of the Post-Earthquake Slide of February 9, 1971, by H. B. Seed, R. B. Seed, L. F. Harder, and H. -L. Jong (includes Appendix I)	AD A214 427
	Sep 1989	Report 3 The Behavior of Undrained Contractive Sand and its Effect on Seismic Liquefaction Flow Failures on Earth Structures, by Andres Vasquez-Herrera and Ricardo Dobry (includes Appendixes I-IV)	AD A215 417

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Instruction Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR GL-83-1	Apr 1983	Geotechnical Construction Control Data Base System: User's Manual, by E. V. Edris, Jr., D. P. Hammer, and Wipawi Vanadit-Ellis (includes Appendixes A-E)	AD A130 606
IR GL-84-1	Sep 1984	Boring Information and Subsurface Data Base Package: User's Guide, by W. E. Strohm, Jr., and J. B. Palmerton (includes Appendixes A-C)	AD A148 623
	Nov 1984	Errata Sheet No. 1	
IR GL-85-1	Sep 1985	Microcomputer Boring and Subsurface Data Package: User's Guide, by W. E. Strohm, Jr. (includes Appendixes A-E)	AD A162 469
IR GL-85-2	Oct 1985	Piezometer Data Base Package User's Guide, by E. V. Edris, Jr., and Wipawi Vanadit-Ellis (includes Appendixes A-B)	AD A163 264
IR GL-87-1		User's Guide: UTEXAS2 Slope-Stability Package:	
	Aug 1987	Volume I User's Manual, by E. V. Edris, Jr., and S. G. Wright (includes Appendixes A-D)	AD A187 674
	Feb 1989	Volume II Theory, by CAGE, G-CASE Task Group on Slope Stability (includes Appendixes A-B)	AD A207 044

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-79-1	Feb 1979	Limited Evaluation of the Holland Vertical-Cut Belt Loader, by C. E. Green	AD A065 867
MP GL-79-2	Feb 1979	Comparison of the Ride and Shock Responses of the M60 STB and M60 HSS/ATB Hybrid Tanks, by N. R. Murphy	AD A066 941
MP GL-79-3	Mar 1979	Evaluation of Three Constitutive Models for Soils, by P. C. Lucia and J. M. Duncan (includes Appendix A)	AD A068 222
MP GL-79-4	Mar 1979	Evaluation of the Effectiveness of Membranes for Prevention of Crack Reflection in Thin Overlays, by P. J. Vedros, Jr. (includes Appendixes A-B)	AD A067 986
MP GL-79-5	Mar 1979	The Mechanisms by Which Fabrics Stabilize Aggregate Layers on Soft Subgrades, by T. C. Kinney and E. J. Barenberg	AD A069 064
MP GL-79-6	Mar 1979	Mobility Performance of the M578 Light Recovery Vehicle and Other Selected Vehicles, by D. D. Randolph (includes Appendixes A-C)	AD A068 082
* MP GL-79-7	Apr 1979	MISERS BLUFF Series: Phase II, Far-Field Seismic Investigations, by S. S. Cooper and R. E. Wahl	AD B036 727L
* MP GL-79-8	Nov 1979	MISERS BLUFF Series: Phase II, Ground Motion Measurements in the Strong-Motion Region, by S. S. Cooper and R. E. Wahl (includes Appendixes A-B)	AD B044 834L
MP GL-79-9	Apr 1979	Proposed Guidelines for Laboratory Testing of Geological Materials for Nuclear Power Facilities, by A. G. Franklin and W. F. Marcuson III (includes Appendixes A-C)	AD A071 095
Unnumbered	May 1979	Airfield Damage Repair; Field Reference Document, by V. C. Barber, H. L. Green, and G. M. Hammit	
MP GL-79-10	May 1979	Mobility Performance of Selected Truck/Trailer Combinations in the HIMO West Germany Study Area (TACV Addendum), by D. D. Randolph (includes Appendixes A-C)	AD A068 870
MP GL-79-11	Jun 1979	Liquefaction Analysis for LaCrosse Nuclear Power Station, by W. A. Bieganousky and W. F. Marcuson III	AD A072 778
MP GL-79-12	May 1979	Effects of Back-Pressure Saturation Techniques on Results of R Triaxial Compression Tests, by R. T. Donaghe and F. C. Townsend (includes Appendixes A-C)	AD A071 053
MP GL-79-13	Jun 1979	Response and Stability of Earth Dams During Strong Earthquakes, by S. K. Sarma (includes Appendixes A-G)	AD A073 010
MP GL-79-14	Jul 1979	Develop Safety Practices for Electrokinetic Treatment of Mine Waste, by C. E. Green (includes Appendix A)	AD A072 925
MP GL-79-15	Jul 1979	Proposed Guidelines for Site Investigations for Foundations of Nuclear Power Plants, by A. G. Franklin (includes Appendixes A-E)	AD A073 219
MP GL-79-16	Jul 1979	State-of-the-Art of Undisturbed Sampling of Cohesionless Soils, by W. F. Marcuson III and A. G. Franklin	AD A073 620

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-79-17	Aug 1979	Use of Shear Waves in Seismic Refraction Surveying, by A. G. Franklin	AD A073 372
MP GL-79-18	Aug 1979	Structural Evaluation of Open-Graded Bases for Highway Pavements, by W. R. Barker and R. C. Gunkel (includes Appendixes A-C)	AD A075 111
MP GL-79-19	Aug 1979	Results of Geotechnical Computer Usage Survey, by D. P. Hammer and R. D. Bennett (includes Appendix A)	AD A073 826
MP GL-79-20	Aug 1979	Visit to Japan to Observe Damage Which Occurred During the Near Izu Oshima Earthquakes, January 14 and 15, 1978, by W. F. Marcuson III (includes Appendix A)	AD A075 448
MP GL-79-21	Sep 1979	Overview for Design of Foundations on Expansive Soils, by L. D. Johnson (includes Appendixes A-D)	AD A076 551
MP GL-79-22	Oct 1979	Study of Ground Motions at Soil Sites During Two California Earthquakes, by Ricardo Dobry, Sohan Singh, and W. E. Bond	AD A077 629
MP GL-80-1	Jan 1980	Rayleigh-Wave Velocity Determinations for Cottonwood Creek Project, California, by J. R. Curro, Jr.	AD A082 051
MP GL-80-2	Mar 1980	Use of Fabrics and Other Measures for Retarding Reflective Cracking of Asphaltic Concrete Overlays, by R. D. Jackson	AD A085 851
MP GL-80-3	Apr 1980	Minimum Concrete Strength for Pavements and Floor Slabs, by R. S. Rollings	
MP GL-80-4	Jun 1980	Evaluation of Soil Suction from Filter Paper, by D. R. Snethen and L. D. Johnson (includes Appendixes A-C)	AD A087 019
MP GL-80-5	Jun 1980	Interpretation of Data from Uphole Refraction Surveys, by A. G. Franklin (includes Appendix A)	AD A087 775
MP GL-80-7	Aug 1980	Investigation for South Fill Area, United States Military Academy, West Point, New York, by H. M. Taylor, Jr., J. K. Poplin, and G. B. Mitchell (includes Appendixes A-F)	AD A089 751
MP GL-80-9	Dec 1980	Analysis of an Assemblage of Discs Employing Interactive Graphics, by J. B. Palmerton (includes Appendix A)	AD A095 735
MP GL-80-10	Sep 1980	The Joint Occurrence of Earthquakes and Floods, by M. E. Hynes-Griffin	AD A090 721
MP GL-80-11	Sep 1980	Bonded Concrete Overlays: Construction and Performance, by M. I. Darter and E. J. Barenberg (includes Appendixes A-B)	AD A090 609
MP GL-80-12	Aug 1980	Multiple-Port Piezometer Installation at Rocky Mountain Arsenal, by M. A. Vispi	AD A090 131
MP GL-80-13	Sep 1980	Microgravimetric Techniques for Geotechnical Applications, by D. K. Butler	AD A090 274
MP GL-80-14	Sep 1980	Recycled Materials--Applications to Air Force Pavements, by E. R. Brown	AD A090 610
MP GL-80-15	Sep 1980	Mathematical Analysis of Landside Seepage Berms, by R. A. Barron (includes Appendix A)	AD A092 014

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-80-16	Oct 1980	Experimental Ride and Shock Tests with the Loopwheel Development Vehicle, by N. R. Murphy, Jr. (includes Appendixes A-B)	AD B052 380L
MP GL-80-17	Nov 1980	Traffic Slope Tests of Military Inventory Items and Their Effectiveness in Riverine Egress Tests, by G. L. Carr and W. E. Willoughby	AD A093 309
MP GL-80-18	Dec 1980	Dynamic Foundation Investigation for MMW Radar Facility, Roi Namur, Kwajalein Atoll, Marshall Islands, by R. E. Wahl and J. L. Llopis	AD A095 072
MP GL-80-19	Dec 1980	Storage of Residual Fuel Oil in Underground Unlined Rock Caverns, by D. C. Banks (includes Appendixes A-D)	AD A095 384
Unnumbered	Dec 1980	Airfield Bomb Damage Repair Methods; Field Training Document, by P. J. Vedros, Jr.	AD A095 461
MP GL-81-1	Mar 1981	In Situ Seismic Investigation of Coyote Dam, by R. E. Wahl, J. L. Llopis, and R. F. Ballard, Jr.	AD A098 051
MP GL-81-2	Jul 1981	Site Effects on Power Spectral Densities and Scaling Factors, by F. K. Chang	AD A102 899
	Nov 1981	Errata Sheet No. 1	
MP GL-81-3	Aug 1981	Overview for Design and Construction of Drilled Shafts in Cohesive Soils, by L. D. Johnson, W. C. Sherman, Jr., and M. M. Al-Hussaini (includes Appendixes A-B)	AD A105 429
MP GL-81-4	Aug 1981	Evaluation of Membrane-Type Materials for Streambank Erosion Protection, by D. W. White, Jr. (includes Appendix A)	AD A100 474
MP GL-81-5	Sep 1981	Probabilistic Modeling of Subgrade Soil Strengths, by Y. T. Chou	AD A104 336
MP GL-81-6	Sep 1981	Field Test Evaluation of Regulated-Set Cement Concrete Repair Procedures, by R. L. Hutchinson, C. L. Rone, and R. H. Denson	
MP GL-81-7	Sep 1981	Geological and Seismological Investigations at Ririe Dam, Idaho, by D. M. Patrick and C. B. Whitten (includes Appendixes A-B)	AD A104 833
MP GL-81-8	Oct 1981	Evaluation of Membrane Interlayers for Prevention of Crack Reflection in Thin Overlays, by P. J. Vedros, Jr.	AD A107 585
MP GL-81-10	Nov 1981	Precast Concrete Pavements, by R. S. Rollings and Y. T. Chou (includes Appendix A)	AD A108 802
MP GL-82-1	Mar 1982	Geotechnical Computer Program Survey, compiled and edited by E. V. Edris, Jr., and Wipawi Vanadit-Ellis	AD A114 106
MP GL-82-2	Mar 1982	Geophysical Investigation at Gathright Dam, by S. S. Cooper, J. P. Koestler, and A. G. Franklin (includes Appendixes A-B)	AD A114 402
MP GL-82-3	Mar 1982	Consolidation of Soft Layers by Finite Strain Analysis, by K. W. Cargill (includes Appendixes A-C)	AD A114 112

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-82-4	Mar 1982	Analysis of Field Compaction Data, DeGray Dam, Caddo River, Arkansas, by W. E. Strohm, Jr., and V. H. Torrey III	AD A117 835
MP GL-82-5	Apr 1982	Assessment of the Liquefaction Hazards Resulting from Explosive Removal of the Bird's Point-New Madrid Fuze Plug Levee, by S. G. Sanders (includes Appendix A)	AD A114 992
MP GL-82-6	Apr 1982	Frequency Response Characteristics of Military Vehicles, by R. A. Weiss (includes Appendix A)	AD A115 660
MP GL-82-7	Sep 1982	User's Guide for Computer Program HEAVE, by L. D. Johnson (includes Appendix A)	
MP GL-82-8	Aug 1982	Geotechnical Centrifuges Observed in the Soviet Union, 6-29 September 1979, by P. A. Gilbert (includes Appendixes A-G)	AD A119 656
MP GL-82-9	Aug 1982	Engineering and Geologic Investigation of Potential Sources of Aggregate, Fort Irwin, California, by S. L. Webster and L. M. Smith (includes Appendix A)	AD A118 994
MP GL-82-10	Sep 1982	The Effect of End Platens, Method of Loading, and Specimen Size in Monotonic Triaxial R Tests, by H. V. Johnson (includes Appendixes A-D)	AD A121 541
MP GL-82-11	Sep 1982	Prediction of Pavement Roughness, by W. R. Barker (includes Appendixes A-C)	AD A120 008
MP GL-82-12	Sep 1982	Geomorphic Investigation of the Bayou Bodcau and Tributaries Project Area, Louisiana, by L. M. Smith	AD A119 988
MP GL-82-13	Sep 1982	Modeling of Electrokinesis, by J. B. Warriner and P. A. Taylor	AD A120 453
MP GL-82-14	Sep 1982	Preliminary Investigation of a Proposed Pearl River Cutoff Through the Old Jackson Sanitary Landfill, by D. R. Alexander and Charlie Whitten (includes Appendixes A-C)	AD A120 455
MP GL-82-15	Sep 1982	The Use of Downhole Geophysical Methods to Detect Zones of Poor-Quality Rock or Voids, by S. S. Cooper	AD A121 501
MP GL-82-16	Sep 1982	Analytical and Data Processing Techniques for Interpretation of Geophysical Survey Data with Special Application to Cavity Detection, by D. K. Butler, A. F. Gangi, R. E. Wahl, D. E. Yule, and D. E. Barnes (includes Appendixes A-K)	AD A121 196
	Dec 1982	Errata Sheet No. 1	
MP GL-82-17	Oct 1982	Evaluation of Sod Saver Blocks and M. C. Gill Panels for Tactical Bridge Access/Egress Applications, by D. A. Ellison	AD A121 884
MP GL-82-18	Dec 1982	In Situ Seismic Investigation of Black Butte Dam, by J. L. Llopis and R. E. Wahl (includes Appendix A)	AD A123 949
MP GL-83-1	Mar 1983	Geophysical Survey Analyses and Interpretation: Newton Dam, Utah, by D. K. Butler and J. R. Curro, Jr. (includes Appendixes A-D)	
* MP GL-83-2	Mar 1983	Airfield Pavement Evaluation, K-16 Seoul Airbase, Seoul, Korea, by D. M. Coleman (includes Appendix A)	AD B074 046L

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-83-3	Apr 1983	Airfield Pavement Evaluation, K-3 Pohang Airbase, Pohang, Korea, by D. M. Coleman and H. M. Taylor, Jr. (includes Appendix A)	AD B074 047L
* MP GL-83-4	Apr 1983	Airfield Pavement Evaluation, R-813 Chinhae Airbase, Chinhae, Korea, by D. M. Coleman (includes Appendix A)	AD B074 896L
* MP GL-83-5	Apr 1983	Airfield Pavement Evaluation, T-8 Cheong-Eup Landing Strip, Cheong-Eup, Korea, by D. M. Coleman (includes Appendix A)	AD B074 895L
* MP GL-83-6	Apr 1983	Airfield Pavement Evaluation, K-9 Pusan Airbase, Pusan, Korea, by D. M. Coleman (includes Appendix A)	AD B075 001L
* MP GL-83-7	Apr 1983	Airfield Pavement Evaluation, T-2 Kumi Landing Strip, Kumi, Korea, by D. M. Coleman (includes Appendix A)	AD B074 969L
* MP GL-83-8	Apr 1983	Airfield Pavement Evaluation, T-8 Eonyang Landing Strip, Eonyang, Korea, by D. M. Coleman (includes Appendix A)	AD B074 894L
* MP GL-83-9	Jun 1983	Airfield Pavement Evaluation, K-59 Air Force Base, Chongju, Korea, by D. R. Alexander (includes Appendix A)	AD B075 644L
* MP GL-83-10	Jun 1983	Airfield Pavement Evaluation, K-18 Air Force Base, Kangnung, Korea, by D. R. Alexander (includes Appendix A)	AD B075 605L
* MP GL-83-11	Jun 1983	Airfield Pavement Evaluation, K-46 Air Force Base, Hoengsong, Korea, by D. R. Alexander and H. M. Taylor, Jr. (includes Appendix A)	AD B075 794L
* MP GL-83-12	Jun 1983	Airfield Pavement Evaluation, R-217 Airbase, Pochon, Korea, by D. R. Alexander (includes Appendix A)	AD B076 184L
* MP GL-83-13	Jun 1983	Airfield Pavement Evaluation, R-404 Airbase, Yanggu, Korea, by D. R. Alexander (includes Appendix A)	AD B075 757L
* MP GL-83-14	Jun 1983	Airfield Pavement Evaluation, R-407 Airbase, Sokch'o, Korea, by D. R. Alexander (includes Appendix A)	AD B075 772L
* MP GL-83-15	Jun 1983	Airfield Pavement Evaluation, K-58 Air Force Base, Yechon, Korea, by D. R. Alexander (includes Appendix A)	AD B075 795L
* MP GL-83-16	Jun 1983	Airfield Pavement Evaluation, K-5 Air Force Base, Taejon, Korea, by D. R. Alexander (includes Appendix A)	AD B075 787L
* MP GL-83-17	Jun 1983	Airfield Pavement Evaluation, A-306 Airfield Chuncheon, Korea, by D. R. Alexander (includes Appendix A)	AD B076 383L
* MP GL-83-18	May 1983	Airfield Pavement Evaluation, R-113 Airbase, Susaek, Korea, by D. R. Alexander (includes Appendix A)	AD B076 183L
MP GL-83-19	Aug 1983	Seismic Analysis of Tunnel Boring Machine Signals at Kerckhoff Tunnel, by R. J. Greenfield (includes Appendix A)	AD A132 629
MP GL-83-20	Sep 1983	Evaluation of Revised Manual Compaction Rammers and Laboratory Compaction Procedures, by R. C. Horz	AD A133 179
* MP GL-83-21	May 1983	Airfield Pavement Evaluation, T-14 Kimpo Landing Strip, Seoul, Korea, by D. M. Coleman (includes Appendix A)	AD B076 598L

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-83-22	Jul 1983	Airfield Pavement Evaluation, R-222 Airbase, Ganamri, Korea, by D. R. Alexander (includes Appendix A)	AD B077 128L
MP GL-83-23	Sep 1983	Seismic Design, Analysis, and Remedial Measures to Improve Stability of Existing Earth Dams, by W. F. Marcuson III and A. G. Franklin	AD A133 437
MP GL-83-24	Sep 1983	Cyclic Rotation of Principal Planes to Investigate Liquefaction of Sands, by R. T. Donaghe and P. A. Gilbert	AD A133 819
* MP GL-83-25	Jun 1983	Airfield Pavement Evaluation, A-511 (Camp Humphreys), Pyongtaek, Korea, by D. R. Alexander (includes Appendix A)	AD B077 428L
MP GL-83-26	Sep 1983	Proceedings, Seminar on Probabilistic Methods in Geotechnical Engineering, edited by M. E. Hynes-Griffin and L. L. Buege	AD A136 497
MP GL-83-27	Sep 1983	Compendium of Abstracts on Statistical Applications in Geotechnical Engineering, edited by M. E. Hynes-Griffin and G. W. Deer (includes Appendixes A-G)	AD A136 355
* MP GL-84-1	Feb 1984	Airfield Pavement Evaluation, Hunter Army Airfield, Savannah, Georgia, by R. W. Grau	AD B080 742L
MP GL-84-2	Apr 1984	Microgravity Survey of Wilson Dam Powerplant Switchyards, Florence, Alabama, by D. K. Butler and D. E. Yule (includes Appendix A)	AD A142 325
MP GL-84-3	May 1984	Geophysical Investigations in Support of Clearwater Dam Comprehensive Seepage Analysis, by J. P. Koester, D. K. Butler, S. S. Cooper, and J. L. Llopis (includes Appendix A)	AD A142 324
MP GL-84-4	May 1984	Stabilization of Moving Land Masses by Cast-in-Place Piles, by J. B. Palmerton	AD A142 689
MP GL-84-7	Jun 1984	Improved Surfacing Materials for Tracked Vehicular Traffic, by R. D. Jackson	AD A142 697
MP GL-84-8	Jun 1984	Probabilistic Rock Slope Engineering, by S. M. Miller (includes Appendix A)	AD A144 826
MP GL-84-9	Jul 1984	Nondestructive Vibratory Testing and Evaluation Procedure for Military Roads and Streets, by D. M. Coleman (includes Appendixes A-D)	AD A145 039
MP GL-84-10	Jul 1984	Scale and Time Effects in Hydraulic Fracturing, by Hadi Widjaja, J. M. Duncan, and H. B. Seed (includes Appendixes A-B)	AD A144 639
* MP GL-84-11	Jul 1984	Fuel-Resistant Pavement Sealers, by J. E. Shoenberger	AD B085 128L
MP GL-84-12	Jul 1984	Soil Destabilization for Vehicle Barriers, by H. G. Brown and W. R. Barker	AD A146 721
MP GL-84-13	Jul 1984	Rationalizing the Seismic Coefficient Method, by M. E. Hynes-Griffin and A. G. Franklin (includes Appendix A)	AD A144 730
MP GL-84-14	Jul 1984	Microearthquake Monitoring Sponsored by the Corps of Engineers, by R. B. Meade	AD A146 798

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-84-15	Jul 1984	Influence of Consolidation Shear Stresses and Relative Density on Threshold Strain and Pore Pressure During Cyclic Straining of Saturated Sand, by Rune Dyvik, Ricardo Dobry, G. E. Thomas, and W. G. Pierce (includes Appendixes A-B)	AD A146 431
MP GL-84-16	Aug 1984	Geophysical Seepage Detection Studies, Mill Creek Dam, Walla Walla, Washington, by D. K. Butler, R. E. Wahl, and M. K. Sharp (includes Appendixes A-D)	AD A146 409
MP GL-84-17	Sep 1984	The Current State-of-the-Art of Rock Cutting and Dredging, by H. J. Hignett	AD A150 500
MP GL-84-18	Sep 1984	Active Detection of Tunnels by Induced Seismic Spectra, by R. F. Ballard, Jr., T. B. Kean II, R. D. Lewis, and G. E. Smith, Jr.	AD A149 776
MP GL-84-20	Nov 1984	Predicted and Actual Performance of a Structure in Expansive Soils, by M. E. Simmons (includes Appendixes A-C)	AD A149 669
* MP GL-84-21	Nov 1984	Membrane Surfacing of LACV-30 Path at Fort Story, Virginia, by R. H. Grau	AD B089 381L
MP GL-85-1	Jan 1985	Seismic Design of Gravity Retaining Walls, by R. V. Whitman and Samson Liao (includes Appendix A)	AD A152 325
MP GL-85-2	Feb 1985	Review of Rigid Pavement Design for Vehicular Parking Areas, by J. C. Potter	AD A154 284
MP GL-85-3	Mar 1985	Synthesis of Railroad Design Methods, Track Response Models, and Evaluation Methods for Military Railroads, by D. M. Coleman (includes Appendixes A-B)	AD A155 656
* MP GL-85-4	Mar 1985	Airfield Pavement Evaluation, Campbell Army Airfield, Fort Campbell, Kentucky, by R. W. Grau	AD B092 124L
* MP GL-85-5	Mar 1985	Airfield Pavement Evaluation, Lawson Army Airfield, Fort Benning, Georgia, by R. W. Grau	AD B092 125L
* MP GL-85-6	Apr 1985	Trafficability Tests with the Finnish SISU A-45 Cargo Truck Towing the SISU FA-303 Powered Trailer, by D. W. Moore (includes Appendix A)	AD B091 885L
* MP GL-85-7	Apr 1985	Airfield Pavement Evaluation, Mackall Army Airfield, Camp Mackall, Hoffman, North Carolina, by D. M. Coleman	AD B192 507L
MP GL-85-8	May 1985	Criteria for Limit Equilibrium Slope Stability Program Package, by the CAGE Task Group on Slope Stability (includes Appendix A)	AD A155 665
* MP GL-85-9	Jun 1985	Airfield Pavement Evaluation, Post Army Airfield, Fort Sill, Oklahoma, by R. A. Bentsen	AD B093 230L
* MP GL-85-10	May 1985	Airfield Pavement Evaluation, Marshall Army Airfield, Fort Riley, Kansas, by R. A. Bentsen and D. D. Mathews	AD B093 231L
* MP GL-85-11	Jun 1985	Airfield Pavement Evaluation, Robert Gray Army Airfield, Fort Hood, Texas, by D. R. Alexander	AD B094 557
MP GL-85-12	May 1985	Analysis of Strong-Motion Data From the Mount Borah, Idaho, Earthquake of 28 October 1983, by F. K. Chang (includes Appendixes A-C)	AD A157 585

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-85-13	Aug 1985	Computer Techniques for Producing Color Maps, by A. N. Williamson, Jr. (includes Appendix A)	AD A161 159
MP GL-85-14	Sep 1985	Use of X-ray Radiographic Techniques in the Evaluation Of Soil Liners, by P. G. Malone, J. H. May, K. W. Brown, and J. C. Thomas (includes Appendix A)	AD A161 243
MP GL-85-15	Nov 1985	Potential Applications of Alkali-Activated Alumino-Silicate Binders in Military Operations, by P. G. Malone, C. A. Randall, Jr., and Thaddeus Kirkpatrick	AD A166 196
MP GL-85-16	Aug 1985	BOSEF: Beam on Swelling Elastic Foundation, by J. P. Stewart (includes Appendixes A-B)	AD A160 700
* MP GL-85-17	Aug 1985	Airfield Pavement Evaluation, Butts Army Airfield, Fort Carson, Colorado, by R. A. Bentsen	AD B095 572L
* MP GL-85-18	Aug 1985	Airfield Pavement Evaluation, Hood Army Airfield, Fort Hood, Texas, by R. A. Bentsen and C. W. Dorman	AD B095 633L
MP GL-85-19	Sep 1985	Rock Failure Criteria for Design of Underground Structural Supports, by G. A. Nicholson (includes Appendix A)	AD A159 807
* MP GL-85-20	Sep 1985	Airfield Pavement Evaluation, Biggs Army Airfield, Fort Bliss, Texas, by R. A. Bentsen	AD B097 167L
MP GL-85-21	Aug 1985	Crater Repair of North Auxiliary Airfield, South Carolina, by S. J. Alford and A. J. Bush III	AD A160 156
* MP GL-85-22	Oct 1985	Terrain Characterization for Recovery and Towing Tests With the Light Armored Vehicle, by W. E. Willoughby and D. W. Moore (includes Appendixes A-D)	AD B097 977L
MP GL-85-23	Sep 1985	Potential for Using Loess in Sand Asphalt Mixtures, by E. R. Brown and R. T. Graham	AD A164 197
* MP GL-85-24	Sep 1985	Airfield Pavement Evaluation, Gray Army Airfield, Fort Lewis, Washington, by R. A. Bentsen	AD B096 766L
MP GL-85-25	Sep 1985	Equations for Nonbonded Concrete Overlays, by Y. T. Chou	AD A163 173
MP GL-85-26	Sep 1985	Comparative Study of Nondestructive Pavement Testing, WES NDT Methodologies, by J. W. Hall, Jr., and D. R. Alexander	AD A163 379
MP GL-85-27	Sep 1985	Reliability of the Flexible Pavement Design Model, by J. C. Potter	AD A162 004
* MP GL-85-28	Nov 1985	Rigid Airfield Pavement Distress Prediction, by S. D. Kohn	AD B098 740L
MP GL-85-29	Dec 1985	Geophysical Seepage Studies at Center Hill Dam, Tennessee, by D. E. Yule, J. L. Llopis, and M. K. Sharp	AD A164 133
* MP GL-85-30	Nov 1985	Airfield Bomb Damage Repair Methods, by P. J. Vedros and G. M. Hammitt II	AD B098 766L
* MP GL-85-31	Dec 1985	Airfield Damage Repair Exercise in Europe, 1982; Progressive Crater Repair, by G. M. Hammitt II and L. D. McCallister (includes Appendixes A-C)	AD B098 716L

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-85-32	Dec 1985	Airfield Damage Repair Exercise in Europe, 1983, by A. W. Semple and J. W. Horne (includes Appendixes A-B)	AD B098 765L
* MP GL-85-33	Dec 1985	Airfield Damage Repair (ADR) Training and Evaluation Outlines, by J. W. P. Patin, and G. M. Hammitt II (includes Appendix A)	AD B098 705L
* MP GL-85-34	Dec 1985	Airfield Damage Repair Exercise in Europe, 1984, by A. W. Semple and J. W. Horne (includes Appendixes A-C)	AD B098 715L
* MP GL-86-1	Jan 1986	Airfield Damage Repair Techniques of 18th Engineer Brigade in Europe, by Theodore Stroup, David Reed, and G. M. Hammitt II	AD B100 443L
* MP GL-86-2	Jan 1986	Airfield Damage Repair, by V. C. Barber, H. L. Green, and G. M. Hammitt II (includes Appendixes A-C)	AD B103 198
MP GL-86-3	Jan 1986	Cracking and Seating of Portland Cement Concrete Pavement Prior to Asphalt Concrete Overlay; Facilities Technology Application Test, FY 84, by L. N. Godwin	AD A169 532
MP GL-86-4	Feb 1986	Asphalt Pavement Recycling Primer, by T. W. Vollar	AD A166 439
MP GL-86-5	Jan 1986	Field Evaluation of the Water Wedge for Cutting Portland Cement Concrete Pavements for Repair and Restoration of Paved Surfaces (REREPS), by D. M. Coleman	AD A166 346
* MP GL-86-6	Jan 1986	Precast Concrete Slab Design for Repair and Restoration of Paved Surfaces (REREPS), by W. N. Brabston and T. W. Vollar	AD B100 280L
* MP GL-86-7	Jan 1986	Airfield Pavement Evaluation, Allen Army Airfield, Fort Greely, Alaska, by D. R. Alexander	AD B101 186L
* MP GL-86-8	Feb 1986	Airfield Pavement Evaluation, Fritzsche Army Airfield, Fort Ord, California, by R. A. Bentsen and D. D. Mathews	AD B102 045L
* MP GL-86-9	Mar 1986	Airfield Pavement Evaluation, Hunter-Liggett Army Airfield, Fort Hunter-Liggett, California, by S. D. Kohn	AD B102 402L
* MP GL-86-10	Feb 1986	Airfield Pavement Evaluation, Bryant Army Airfield (Fort Richardson), Anchorage, Alaska, by D. R. Alexander	AD B102 172L
* MP GL-86-11	Mar 1986	Airfield Pavement Evaluation, Wainwright Army Airfield (Fort Wainwright), Fairbanks, Alaska, by R. W. Grau	AD B102 271L
* MP GL-86-12	Mar 1986	Airfield Pavement Evaluation, Barstow-Daggett Airport, Daggett, California, by R. A. Bentsen	AD B102 156L
* MP GL-86-13	Mar 1986	Airfield Pavement Evaluation, Los Alamitos Army Airfield, Los Alamitos, California, by R. A. Bentsen	AD B102 291L
* MP GL-86-14	Apr 1986	Airfield Pavement Evaluation, Polk Army Airfield, Fort Polk, Louisiana, by R. A. Bentsen	AD B102 408L
* MP GL-86-15	May 1986	Evaluation of AM-2 MOD 5 Production Landing Mat, by C. W. Dorman and T. B. Rosser III	AD B104 872L
* MP GL-86-16	May 1986	Airfield Pavement Evaluation, Simmons Army Airfield, Fort Bragg, North Carolina, by T. B. Rosser	
* MP GL-86-17	Jun 1986	Airfield Pavement Evaluation, Harvey Barracks Army Airfield, Kitzingen, Federal Republic of Germany, by P. S. McCaffrey, Jr.	AD B104 900L

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-86-18	Jul 1986	Airfield Pavement Evaluation, Cairns Army Airfield, Fort Rucker, Alabama, by R. A. Bentsen	AD B105 069L
MP GL-86-19	Aug 1986	Facilities Technology Application Tests; Fuel-Resistant Pavement Sealers, by J. E. Shoenberger and E. R. Brown (includes Appendixes A-B)	AD A171 473
* MP GL-86-20	Aug 1986	Airfield Pavement Evaluation, McCoy Army Airfield, Camp McCoy, Wisconsin, by P. S. McCaffrey, Jr., and J. D. Perkins, Jr.	AD B105 071L
MP GL-86-21	Jul 1986	Structural Enhancement of Railroad Track Structures Using Asphalt Underlayment, by D. M. Coleman (includes Appendix A)	AD A172 953
* MP GL-86-22	Aug 1986	Airfield Pavement Evaluation, Volk Field, Air National Guard, Camp Douglas, Wisconsin, by P. S. McCaffrey, Jr.	AD B105 240L
MP GL-86-23	Aug 1986	Review of Rigid Pavement Design for Concrete Floor Slabs on Grade, by J. C. Potter	AD A171 808
MP GL-86-24	Sep 1986	Future Research Needs For Dredgeability of Rock: Rock Dredging Workshop, 1985, by H. J. Smith	AD A172 291
MP GL-86-25	Aug 1986	Mohicanville Reinforced Dike No. 2, Design Memorandum, by Jack Fowler, R. E. Leach, J. F. Peters, and R. C. Horz (includes Appendixes A-D)	AD A173 269
MP GL-86-26	Aug 1986	Verification of Design and Construction Techniques for Gaillard Island Dredged Material Disposal Area, Mobile, Alabama, by Jack Fowler, H. N. Blakeney, and M. L. Hayden (includes Appendixes A-G)	AD A173 512
* MP GL-86-27	Sep 1986	Transient Electromagnetic Methods for Ground-Water Assessment, by D. K. Butler and D. V. Fitterman (includes Appendix A)	AD B105 936L
MP GL-86-28	Sep 1986	Light-Initiated Detonation Systems, by S. S. Cooper, P. G. Malone, S. W. Bartholomew, and W. J. Necker	AD A172 551
* MP GL-86-29	Sep 1986	Ingress/Egress and Swim Tests with the Bradley Fighting Vehicle System, by W. E. Willoughby (includes Appendixes A-B)	AD B106 140L
* MP GL-86-30	Oct 1986	Airfield Pavement Evaluation, Sampson Field, Seneca Army Depot, New York, by M. J. Horihan	AD B107 224L
* MP GL-86-31	Oct 1986	Airfield Pavement Evaluation, Selah Creek Airstrip, Yakima Firing Center, Washington, by M. J. Horihan	AD B107 322L
* MP GL-86-32	Oct 1986	Airfield Pavement Evaluation, Wheeler-Sack Army Airfield, Fort Drum, New York, by M. J. Horihan	AD B107 321L
MP GL-86-33	Nov 1986	Evaluation of Buried, Concrete-Lined, Corrugated Metal Pipe, by J. C. Potter (includes Appendix A)	AD A176 379
MP GL-86-34	Nov 1986	Evaluation of Asphalt Rubber and Engineering Fabrics as Pavement Interlayers, by R. C. Ahlrich	AD A176 526
* MP GL-86-35	Nov 1986	Airfield Pavement Evaluation, Amedee Army Airfield, Sierra Army Depot, Herlong, California, by M. A. Kennedy	
* MP GL-86-36	Nov 1986	Airfield Pavement Evaluation, Michael Army Airfield, Dugway Proving Ground, Dugway, Utah, by M. A. Kennedy	

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-86-37	Nov 1986	Airfield Pavement Evaluation, Ray S. Miller Army Airfield, Camp Ripley, Minnesota, by M. A. Kennedy	
MP GL-86-38	Dec 1986	Soft Soil Stabilization Study for Wilmington Harbor South Dredge Material Disposal Area, by R. M. Koerner, Jack Fowler, and C. A. Lawrence	AD A177 446
MP GL-86-39	Nov 1986	A Guide for Design and Construction of Roller-Compacted Concrete Pavements, by D. W. Pittman and S. A. Ragan	AD A176 367
MP GL-86-40	Dec 1986	Dustproofing Unsurfaced Tank Trails, Grafenwohr Training Area, Federal Republic of Germany, June 15-29, 1985, by R. A. Mass (includes Appendixes A-B)	AD A178 942
* MP GL-86-41	Dec 1986	Airfield Pavement Evaluation, Moore Army Airfield, Fort Devens, Massachusetts, by M. A. Kennedy	
* MP GL-86-42	Dec 1986	Development Test 1 of Access/Egress Roadway System, by D. W. White, Jr. (includes Appendix A)	AD B110 208L
MP GL-87-1	Mar 1987	Response Spectral Analysis of Franklin Falls Dam, New Hampshire, by F. K. Chang (includes Appendixes A-C)	AD A180 004
MP GL-87-2	Jul 1987	Skiffes Creek Dredged Material Disposal Area Alternatives, Fort Eustis, Virginia, by Jack Fowler, W. L. Hanks, and T. S. Holloway (includes Appendixes A-E)	
MP GL-87-3	Apr 1987	Stabilization of Very Soft Soils Using Geosynthetics, by Jack Fowler	AD A180 245
MP GL-87-4	May 1987	Perimeter Dike Stability Analyses, Craney Island Disposal Area, Norfolk District, Norfolk, Virginia, by Jack Fowler, E. V. Edris, Jr., W. L. Hanks, and T. S. Holloway	AD A182 764
MP GL-87-5	Apr 1987	Pavement Evaluation Concepts Using Nondestructive Structural Evaluation and Pavement Condition Index, by J. W. Hall, Jr.	AD A181 373
* MP GL-87-6	Apr 1987	Airfield Pavement Evaluation, Phillips Army Airfield, Aberdeen Proving Ground, Maryland, by R. A. Bentsen, W. P. Grogan, and M. A. Kennedy	
* MP GL-87-7	Apr 1987	Airfield Pavement Evaluation, Forney Army Airfield, Fort Leonard Wood, Missouri, by M. J. Horihan	
MP GL-87-8	May 1987	Subsurface Investigation of A Liquefaction-Induced Lateral Spread, Thousand Springs Valley, Idaho, by R. D. Andrus, and T. L. Youd (includes Appendixes A-D)	AD A182 912
MP GL-87-9	Jun 1987	Geotechnical Feasibility Study Replacement of Extension of the Craney Island Disposal Area, Norfolk, Virginia, by S. J. Spigolon and Jack Fowler (includes Appendix A)	AD A182 458
* MP GL-87-10	Jun 1987	Airfield Pavement Evaluation, Godman Army Airfield, Fort Knox, Kentucky, by M. J. Horihan	AD B114 017L
* MP GL-87-11	Jun 1987	Airfield Pavement Evaluation, Blackstone Army Airfield, Camp Pickett, Virginia, by M. A. Kennedy and W. P. Grogan	AD B114 052L

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP GL-87-13	Jun 1987	Airfield Pavement Evaluation, Sherman Army Airfield, Fort Leavenworth, Kansas, by M. J. Horihan	
* MP GL-87-14	Jul 1987	Airfield Pavement Evaluation, Felker Army Airfield, Fort Eustis, Virginia, by M. A. Kennedy	
* MP GL-87-15	Jul 1987	Airfield Pavement Evaluation, Grayling Army Airfield, Camp Grayling, Michigan, by T. B. Rosser III	
MP GL-87-16	Jul 1987	Open-Graded Bases for Airfield Pavements, by W. R. Barker	AD 184 461
MP GL-87-17	Jul 1987	Condition Survey and Paver Implementation, Eielson Air Force Base, Alaska, by R. A. Bentsen	AD A185 211
* MP GL-87-18	Aug 1987	Airfield Pavement Evaluation, Davison Army Airfield, Fort Belvoir, Virginia, by M. A. Kennedy, M. J. Horihan, and P. S. McCaffrey, Jr.	AD B115 451 L
MP GL-87-19	Aug 1987	Dustproofing Unsurfaced Areas: Facilities Technology Application Test Demonstration, FY 86, by J. P. Armstrong (includes Appendixes A-C)	AD A185 185
MP GL-87-20	Aug 1987	Roller-Compacted Concrete Pavement Construction at Wright-Patterson AFB, Ohio, by D. W. Pittman	
MP GL-87-21	Sep 1987	Development of a Laboratory Technique for Correcting Results of Undrained Triaxial Shear Tests on Soils Containing Coarse Particles for Effects of Membrane Compliance, by R. B. Seed and Hossain Anwar	AD A185 542
MP GL-87-22	Sep 1987	Examination of Existing Shear Wave Velocity and Shear Modulus Correlations in Soils, by D. W. Sykora (includes Appendixes A-B)	AD A214 721
MP GL-87-23	Aug 1987	Measurement of Horizontal and Vertical Swell Pressures From A Triaxial Laboratory Test; A Feasibility Study, by L. D. Johnson (includes Appendixes A-D)	AD A185 496
MP GL-87-24	Sep 1987	Liquefaction Susceptibility of Fine-Grained Soils--Preliminary Study Report, by N. -Y. Chang (includes Appendix A)	AD 187 521
MP GL-87-25	Sep 1987	An Examination of Slope Stability Computation Procedures for Sudden Drawdown, by S. G. Wright	AD A187 240
MP GL-87-26	Sep 1987	Creation of a Data Base of Seismic Shear Wave Velocities for Correlation Analysis, by D. W. Sykora (includes Appendixes A-B)	
MP GL-87-27	Sep 1987	A Review of Radon Emanation and Mobilization in Minerals and Rocks, by C. P. Cameron (includes Appendix A)	AD A189 764
MP GL-87-28	Sep 1987	Suitability of Sites for Hazardous Waste Disposal, Concord Naval Weapons Station, Concord, California, by R. J. Lutton, R. D. Bennett, C. C. McAneny, and D. N. Wong	AD A186 985
MP GL-87-29	Nov 1987	Condition Survey and PAVER Implementation, MacDill Air Force Base, Florida, by R. A. Bentsen and P. S. McCaffrey, Jr.	AD A188 916

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-87-30	Nov 1987	Condition Survey and PAVER Implementation, MacDill Auxiliary Field No. 1 (Avon Park Range), Florida, by R. A. Bentsen and P. S. McCaffrey, Jr.	AD A189 973
* MP GL-87-31	Dec 1987	Expedient Landing Strips and Airfield Damage Repair for C-130 Aircraft in Support of Airborne/Air Assault Missions, by G. M. Hammitt II and R. S. Rollings (includes Appendixes A-F)	AD B118 464L
MP GL-88-1	Feb 1988	A Lateral-Load Test of a Full-Scale Pile Group in Sand, by C. S. Morrison and L. C. Reese (includes Appendixes A-C)	AD A194 216
MP GL-88-2	Feb 1988	Behavior of a Large-Scale Pile Group Subjected to Cyclic Lateral Loading, by D. A. Brown and L. C. Reese (includes Appendixes A-B)	
MP GL-88-3	Feb 1988	Development of a Laboratory Test to Identify the Scour Potential of Soils at Piles Supporting Offshore Structures, by S. -T. Wang and L. C. Reese (includes Appendix)	AD A193 332
MP GL-88-4	Feb 1988	An Investigation of the Behavior of Vertical Piles in Cohesive Soils Subjected to Repetitive Lateral Loads, by J. H. Long and L. C. Reese	AD A194 440
MP GL-88-5	Mar 1988	Development and Initial Testing of the Automated Military Cone Penetrometer, by W. E. Perkins (includes Appendixes A-D)	AD A194 841
MP GL-88-6	Mar 1988	Proceedings of the Workshop on Design, Construction, and Research for Ribbed Mat Foundations, by L. D. Johnson (includes Appendixes A-D)	AD A194 571
* MP GL-88-7	Apr 1988	Airfield Pavement Evaluation, Sharpe Army Airfield, Sharpe Army Depot, Stockton, California, by T. B. Rosser III	AD B121 126L
* MP GL-88-8	Apr 1988	Airfield Pavement Evaluation, Haley Army Heliport, Fort Sheridan, Illinois, by J. A. Harrison	AD B122 255L
* MP GL-88-9	May 1988	Airfield Pavement Evaluation, Libby Army Airfield, Fort Huachuca, Arizona, by T. B. Rosser III	AD B122 099L
MP GL-88-10	Jun 1988	Experimental Research into the Behavior of Piles and Pile Groups Subjected to Cyclic Lateral Loading, by L. C. Reese, D. A. Brown, and S. -T. Wang	AD A196 799
MP GL-88-11	Jun 1988	Analysis of the Pile Load Test Program at the Lock and Dam 26 Replacement Project, by L. M. Tucker and Jean-Louis Briaud	AD A196 924
MP GL-88-12	Jun 1988	Lateral Pile-Group Interaction Factors for Free-Headed Pile Groups in Sand From Full-Scale Experiments, by Mauricio Ochoa and M. W. O'Neill (includes Appendixes A-D)	AD A197 363
* MP GL-88-13	Jun 1988	Airfield Pavement Evaluation, Condran Army Airfield, White Sands Missile Range, New Mexico, by T. B. Rosser III	AD B123 827L
MP GL-88-14	Jun 1988	A Pressuremeter Method for Single Piles Subjected to Cyclic Lateral Loads in Sand, by R. L. Little and Jean-Louis Briaud (includes Appendixes A-B)	AD A197 287

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-88-15	Jun 1988	Geophysical Site Investigation, Ohio River Navigation Project--Olmstead Site, by D. E. Yule and M. K. Sharp	AD A196 639
* MP GL-88-16	Jul 1988	Condition Survey, Campbell Army Airfield, Fort Campbell, Kentucky, by T. B. Rosser III	AD B123 883L
* MP GL-88-17	Jul 1988	Airfield Pavement Evaluation, Kelly Army Heliport, Fort Sam Houston, Texas, by P. S. McCaffrey, Jr.	AD B124 143L
* MP GL-88-18	Jul 1988	Airfield Pavement Evaluation, Muir Army Airfield, Fort Indiantown Gap, Annville, Pennsylvania, by W. P. Grogan	AD B122 474L
* MP GL-88-19	Jul 1988	Condition Survey, Lawson Army Airfield, Fort Benning, Georgia, by W. P. Grogan	
* MP GL-88-20	Jul 1988	Condition Survey, Mackall Army Airfield, Camp Mackall, Hoffman, North Carolina, by W. P. Grogan	AD B122 909L
* MP GL-88-21	Jul 1988	Airfield Pavement Evaluation, Laguna Army Airfield, Yuma Proving Ground, Arizona, by P. S. McCaffrey, Jr.	AD B124 488L
* MP GL-88-22	Jul 1988	Condition Survey, Marshall Army Airfield, Fort Riley, Kansas, by T. B. Rosser III	AD B123 690
* MP GL-88-23	Jul 1988	Condition Survey, Post Army Airfield, Fort Sill, Lawton, Oklahoma, by T. B. Rosser III	AD B123 691L
* MP GL-88-24	Jul 1988	Airfield Pavement Evaluation, Redstone Army Airfield, Redstone Arsenal, Huntsville, Alabama, by W. P. Grogan	AD B123 530L
* MP GL-88-25	Jul 1988	Condition Survey, Hunter Army Airfield, Savannah, Georgia, by T. B. Rosser III	AD B123 692L
* MP GL-88-26	Jul 1988	Airfield Pavement Evaluation, Tipton Army Airfield, Fort George G. Meade, Maryland, by J. A. Harrison	AD B123 693L
MP GL-88-27	Aug 1988	Full Scale Cyclic Lateral Load Tests on Six Single Piles in Sand, by R. L. Little and Jean-Louis Briaud (includes Appendixes A-D)	AD A199 115
MP GL-88-28	Aug 1988	Axial Response of Three Vibratory and Three Impact Driven H-Piles in Sand, by L. M. Tucker and Jean-Louis Briaud	AD A199 126
MP GL-88-29	Aug 1988	Pavement Crack and Joint Sealants, by L. N. Lynch	AD A198 544
MP GL-88-30	Sep 1988	Substandard Materials for Pavement Construction, by R. S. Rollings	AD A199 763
* MP GL-88-31	Sep 1988	Condition Survey, Robert Gray Army Airfield, Fort Hood, Texas, by T. B. Rosser III	AD B126 960L
* MP GL-88-32	Sep 1988	Condition Survey, Hood Army Airfield, Fort Hood, Texas, by T. B. Rosser III	AD B127 907L
MP GL-88-33	Sep 1988	Evaluation of Quarrying and Asphalt Construction Equipment, by R. R. Johnson	AD A199 764
MP GL-88-34	Dec 1988	Earthquake-Induced Liquefaction of Fine-Grained Soils--Considerations from Japanese Research, by J. P. Koester	AD A207 046

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-88-35	Dec 1988	Conceptual Design Interim Ground-Water Recharge System, RMA North Boundary Area, by R. J. Lutton	
* MP GL-89-2	Mar 1989	Airfield Pavement Evaluation, Bucholz Army Airfield, Kwajalein Atoll, Marshall Islands, by W. P. Grogan	AD B131 746L
* MP GL-89-3	Mar 1989	Joint Sealant Study and Field Performance Survey, by L. N. Lynch (includes Appendixes A-B)	AD B131 767L
* MP GL-89-4	Apr 1989	Light Engineer Force Crater-Repair Demonstration, Fort Bragg, North Carolina, by T. P. Williams (includes Appendix A)	AD B131 756L
MP GL-89-5		Study of Embankment Performance During Overtopping and Throughflow:	
	Apr 1989	Report 1 Feasibility Study, by H. -Y. Ko, R. J. Dunn, and Ebrahim Simantob	AD A207 755
	Apr 1989	Report 2 Hydraulic Study and Modeling of Models, by H. -Y. Ko, R. J. Dunn, and Ebrahim Simantob	AD A207 756
	Apr 1989	Report 3 Model-Prototype Comparison Studies, by H. -Y. Ko, R. J. Dunn, and Ebrahim Simantob (includes Appendix A)	AD A207 954
MP GL-89-7	Apr 1989	Subsurface Conditions at Site 16 Lone Star Army Ammunition Plant, Texas, by R. J. Lutton, J. D. Broughton, D. E. Yule, et al. (includes Appendixes A-C)	AD A208 125
* MP GL-89-8	Apr 1989	Airfield Pavement Evaluation, Dyess Army Airfield, Roi-Namur, Kwajalein Atoll, Marshall Islands, by W. P. Grogan	AD B132 836
MP GL-89-9	Apr 1989	Development of Failure Criteria of Rigid Pavement Thickness Requirements for Military Roads and Streets, Elastic Layered Method, by Y. T. Chou	AD A207 903
* MP GL-89-10	Jun 1989	Airfield Pavement Evaluation, Wright Army Airfield, Fort Stewart, Georgia, Facilities Engineering Application Program (FEAP), by J. A. Harrison	AD B130 633L
* MP GL-89-11	Jun 1989	Condition Survey, Gray Army Airfield, Fort Lewis, Washington, by P. S. McCaffrey, Jr.	AD B134 434L
* MP GL-89-12	Jul 1989	Condition Survey, Hunter-Liggett Army Airfield, Fort Hunter-Liggett, California, by W. P. Grogan	AD B134 932L
* MP GL-89-13	Jul 1989	Condition Survey, Michael Army Airfield, Dugway Proving Ground, Dugway, Utah, by T. B. Rosser III	AD B135 240L
* MP GL-89-14	Aug 1989	Improvement in Hard Rock Percussion Drilling, by J. L. Gatz and M. A. Vispi	AD B136 376L
MP GL-89-15	Sep 1989	Acoustic Emission Monitoring of Cofferdam Performance, Locks and Dam 26 (Replacement), by Ground Engineering, Inc.	AD A212 820

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP GL-89-16	Sep 1989	Spectral Characteristics of Small Magnitude Earthquakes with Application to Western and Eastern North American Tectonic Environments: Surface Motions and Depth Effects, by R. B. Darragh, R. K. Green, and F. T. Turcotte	AD A212 488
MP GL-89-17	Sep 1989	Estimated Ground Motions for a New Madrid Event, by W. J. Silva, R. D. Darragh, R. K. Green, and F. T. Turcotte	AD A212 821
MP GL-89-18	Sep 1989	Geophysical Investigation at Hazardous Waste Management Site 16, Radford Army Ammunition Plant, Radford, Virginia, by J. L. Llopis and K. J. Sjostrom	AD A212 665
MP GL-89-19	Sep 1989	Condition Survey Report, Robins Air Force Base, Georgia, by R. A. Bentsen and D. D. Mathews	AD A213 181
* MP GL-89-20	Sep 1989	Condition Survey, Fritzsche Army Airfield, Fort Ord, California, by D. D. Mathews	AD B137 072L
MP GL-89-21	Sep 1989	Investigation of the Ida-Raisinville Sanitary Sewer Pipe Distress, by R. E. Leach, G. S. Wong, and G. B. Mitchell (includes Appendixes A-B)	AD A213 111
MP GL-89-22	Sep 1989	The Effects of the Construction Process on Selected Fresh and Hardened Properties of Roller-Compacted Concrete (RCC) Pavements, by D. W. Pittman (includes Appendixes A-D)	AD A213 735
* MP GL-89-23	Sep 1989	Condition Survey, Butts Army Airfield, Fort Carson, Colorado, by D. D. Mathews	AD B137 146
MP GL-89-24	Sep 1989	Analysis of Data From Instrumentation Program: Lock and Dam No. 1, Red River Waterway, Louisiana, by Wipawi Vanadit-Ellis, R. L. Hall, and P. W. Graham (includes Appendix A)	AD A214 677
MP GL-89-25	Oct 1989	A Geographic Information System (GIS) for the Southern Louisiana Deltaic Environments, by A. N. Williamson and L. D. Britsch	AD A214 676
MP GL-89-26	Nov 1989	Lunar Surface Mobility Studies, Past and Future, by G. W. Turnage and D. C. Banks	AD A216 451
MP GL-89-27	Nov 1989	Design and Construction of Mat Foundations, by L. D. Johnson (includes Appendixes A-G)	AD A216 450
* MP GL-89-28	Dec 1989	Condition Survey, Polk Army Airfield, Fort Polk, Louisiana, by J. A. Harrison and D. D. Mathews (includes Appendix A)	AD B138 925L
MP GL-89-29	Dec 1989	Blast Effects Monitoring Study at Hazardous Waste Site Clean-Up, Meddybemps, Maine, by D. E. Yule, N. J. Sydow, and J. L. Pickens (includes Appendix A)	AD A216 290
MP GL-89-30	Dec 1989	Geotextile Reinforced Embankments on Soft Foundations, by Jack Fowler	AD A218 009
MP GL-90-1	Jan 1990	Evaluation of Asphalt Binder Modifiers, by G. L. Anderton (includes Appendix)	AD A217 273

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TR GL-79-1	Jan 1979	An Assessment of the Inland Water Crossing Performance of Selected Tactical Support Vehicles (WACROSS), by C. J. Nuttall, Jr. (includes Appendixes A-F)	AD A065 409
TR GL-79-2	Mar 1979	Traffic Tests of Expedient Airfield Construction Concepts for Possible Application in the National Petroleum Reserve Alaska (NPRA), by C. D. Burns	AD A069 581
* TR GL-79-3	Mar 1979	Ride and Shock Test Results and Mobility Assessment of Selected 1/4- to 1-1/4-Ton Vehicles, by J. H. Robinson, D. D. Randolph, and B. G. Schreiner (includes Appendixes A-D)	AD B037 460L
TR GL-79-4	Apr 1979	Development of a Structural Design Procedure for Rigid Airport Pavements, by Frazier Parker, Jr., W. R. Barker, R. C. Gunkel, and E. C. Odom (includes Appendixes A-G)	AD A069 548
* TR GL-79-5	May 1979	Ride and Shock Test Results and Mobility Assessment of Selected 10-Ton Cargo Trucks, by B. G. Schreiner and D. D. Randolph (includes Appendixes A-C)	AD B039 606L
TR GL-79-6	May 1979	A Terrain-Vehicle Interaction Model for Analysis of Steering Performance of Track-Laying Vehicles, by G. Y. Baladi and Behzad Rohani (includes Appendixes A-D)	AD A072 815
Unnumbered	Jul 1979	Evaluation of Materials for Contingency Runways, by C. L. Rone, A. L. Sullivan, and J. H. Shamburger (published as Civil and Environmental Engineering Development Office Technical Report No. 78-46)	AD A073 679
TR GL-79-7		Engineering Geology and Geomorphology of Streambank Erosion:	
	Sep 1979	Report 1 Eel River Basin, California, by L. M. Smith and D. M. Patrick	AD A075 729
	Oct 1981	Report 2 Yazoo River Basin Uplands, Mississippi, by C. B. Whitten and D. M. Patrick	AD A114 662
	Feb 1982	Report 3 The Application of Waterborne Geophysical Techniques in Fluvial Environments, by J. R. May	AD A114 656
	Sep 1982	Report 4 Supplemental Update to Report 3, by J. R. May	AD A119 835
TR GL-79-8	Jul 1979	Analysis of Grid Cell Reinforced Pavement Bases, by J. K. Mitchell, T-C. Kao, and Edward Kavazanjian, Jr.	AD A073 137
* TR GL-79-9	Jul 1979	Ride and Shock Test Results and Mobility Assessment of Czechoslovakia TATRA 13, U. S. M520E 1 GOER, and U. S. M656 Cargo Trucks, by B. G. Schreiner and D. D. Randolph (includes Appendixes A-C)	AD B040 135L
* TR GL-79-10	Jul 1979	Mobility Performance of the GL-CM Candidate Vehicles and Other Selected Vehicles, by D. D. Randolph (includes Appendixes A-C)	AD B040 463L
TR GL-79-11	Aug 1979	Evaluation of Drilled and Grouted-in-Place Dowels for Load Transfer of Portland Cement Concrete, Tyndall Air Force Base, Florida, by R. W. Grau	AD A075 112

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-79-12	Sep 1979	Use of Lime in Levee Restoration, by F. C. Townsend (includes Appendixes A-D)	AD A075 787
TR GL-79-13	Sep 1979	Evaluation of Sample Disturbance on Soils Using the Concept of "Reference Strain," by V. P. Ornevlch (includes Appendixes A-E)	AD A077 913
TR GL-79-14	Sep 1979	Susceptibility of Dispersive Clay at Grenada Dam, Mississippi, to Piping and Rainfall Erosion, by E. B. Perry (includes Appendix A)	AD A076 007
TR GL-79-15	Sep 1979	Rational Design of Tunnel Supports: An Interactive Graphics Based Analysis of the Support Requirements of Excavations in Jointed Rock Masses, by M. D. Voegelé (includes Appendixes A-C)	AD A084 693
TR GL-79-16	Sep 1979	Evaluation of Effects of Panama Canal Deepening Upon the Stability of La Pita Hill, by W. O. Miller (includes Appendixes A-C)	AD A075 778
* TR GL-79-17	Sep 1979	Ride and Shock Test Results and Mobility Assessment of German M.A.N., U. S. M520E 1 GOER, and U. S. M656 Cargo Trucks, by B. G. Schreiner and D. D. Randolph (includes Appendixes A-C)	AD B041 656L
TR GL-79-18	Sep 1979	Centrifugal Model Analysis of Coal Waste Embankment Stability, by F. C. Townsend, D. J. Goodings, A. N. Schofield, and M. M. Al-Hussaini (includes Appendixes A-C)	
TR GL-79-19	Sep 1979	Tunnel Design by Rock Mass Classifications, by Z. T. Bieniawski	AD A076 540
TR GL-79-19	Revised Jan 1990	Tunnel Design by Rock Mass Classifications, by Z. T. Bieniawski (includes Appendixes A-D)	AD A219 783
TR GL-79-20		Investigation of Beach Sand Trafficability Enhancement Using Sand-Grid Confinement and Membrane Reinforcement Concepts:	
	Nov 1979	Report 1 Sand Test Sections 1 and 2, by S. L. Webster	AD A078 652
	Feb 1979	Report 2 Sand Test Sections 3 and 4, by S. L. Webster	AD A098 383
TR GL-79-21	Nov 1979	Utilization of Marginal Construction Materials for LOC, by R. W. Grau	AD A078 725
TR GL-79-22	Nov 1979	Geotechnical Properties of Oil Shale Retorted by the PARAHO and TOSCO Processes, by F. C. Townsend and R. W. Peterson (includes Appendixes A-E)	AD A082 317
TR GL-79-23	Sep 1979	Geotechnical Containment Alternatives for Industrial Waste Basin F, Rocky Mountain Arsenal, Denver, Colorado; A Quantitative Evaluation, by S. P. Miller (includes Appendix A)	AD A083 631
TR GL-79-24	Dec 1979	Field Tests of Plastic Pipe for Airport Drainage Systems, by W. J. Horn (includes Appendixes A-B)	AD A087 135

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TR GL-80-1		Nondestructive Testing for Light Aircraft Pavements:	
	Jan 1980	Phase I Evaluation of Nondestructive Testing Devices, by A. J. Bush III	AD A083 597
TR GL-80-2	Mar 1980	Analytical and Graphical Methods for the Analysis of Slopes in Rock Masses, by A. J. Hendron, Jr., E. J. Cording, and A. K. Aiyer (includes Appendix A)	AD A084 685
TR GL-80-3	Mar 1980	Documentation and Analysis of Rock Island Under-seepage Data, by R. W. Cunny (includes Appendixes A-B)	AD A083 138
TR GL-80-4	Jun 1980	Evaluation of Geophysical Methods for Cavity Detection at the WES Cavity Test Facility, by D. K. Butler and W. L. Murphy (includes Appendixes A-B)	AD A088 101
TR GL-80-5	Jul 1980	Development of a Quantitative Method to Predict Critical Shear Stress and Rate of Erosion of Natural Undisturbed Cohesive Soils, by Kandiah Arulanandan, Ernest Gillogley, and Ryan Tully (includes Appendixes A-I; Appendixes A-D and F-H reproduced on microfiche, no hard copies are available)	AD A091 716
TR GL-80-6	Sep 1980	Partial Field Validation of the Surfzone Transition Analytical Methodology (STAM), by G. W. Turnage (includes Appendixes A-B)	AD A090 720
* TR GL-80-7	Oct 1980	Test Areas for High Mobility/Agility (HIMAG) Chassis Test Program, by B. G. Schreiner and C. E. Green (includes Appendix A)	AD B053 529L
TR GL-81-1	Jan 1981	Ride Test Results for the FAMECE Dumper and Comparison Vehicles, by W. E. Willoughby	AD A096 261
TR GL-81-2	Jan 1981	15 Mile Road/Edison Corridor Sewer Tunnel Failure Study, Detroit Area, Michigan, by Dick Albert, G. C. Hoff, Brian Lorence, et al. (includes Appendixes A-G)	AD A096 440
* TR GL-81-3	Mar 1981	Ride and Shock Test Results and Mobility Predictions of the Swedish Scania SBAT III Cargo Truck, by B. G. Schreiner (includes Appendixes A-E)	AD B057 072L
TR GL-81-4	May 1981	Field Test Sections on Expansive Soil, by L. D. Johnson (includes Appendixes A-F)	AD A100 474
TR GL-81-6		Structural Analysis Computer Programs for Rigid Multi-Component Pavement Structures with Discontinuities--WESLIQID AND WESLAYER:	
	May 1981	Report 1 Program Development and Numerical Presentations, by Y. T. Chou (includes Appendixes A-B)	AD A104 545
	May 1981	Report 2 Manual for the WESLIQID Finite Element Program, by Y. T. Chou (includes Appendix A)	AD A104 546
	May 1981	Report 3 Manual for the WESLAYER Finite Element Program, by Y. T. Chou	AD A104 547
TR GL-81-7	Aug 1981	C-5A Operational Utility Evaluation Soil Tests and Analysis, by R. W. Grau	AD A105 555

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-81-8	Sep 1981	Evaluation of Quality and Performance of Stone as Riprap or Armor, by R. J. Lutton, B. J. Houston, and J. B. Warriner (includes Appendixes A-B)	AD A107 901
* TR GL-81-9	Sep 1981	Mobility Performance of the German M.A.N. 10-Ton Tractor when Towing GL-CM Semitrailers, by D. D. Randolph, R. P. Smith, and R. G. Temple (includes Appendixes A-B)	AD B060 123L
TR GL-81-10	Oct 1981	Tunnel Cost-Estimating Methods, by R. D. Bennett (includes Appendix A)	AD A107 890
TR GL-81-11	Oct 1981	Investigation of Compaction Criteria for Airport Pavement Subgrade Soils, by W. N. Brabston (includes Appendix A)	AD A108 518
TR GL-81-12		Bomb Crater Repair Techniques for Permanent Airfields:	
	Oct 1981	Report 1 Series 1 Tests, by D. L. Cooksey	AD A108 716
* TR GL-81-13		Armored Combat Vehicle Technology (ACVT) Program:	
	Nov 1981	Volume I Results of HIMAG Chassis Tests, by N. R. Murphy, Jr. (includes Appendixes A-E)	
	Nov 1981	Volume II Data from HIMAG Chassis Tests, by N. R. Murphy, Jr.	
TR GL-82-1	Mar 1982	Study to Investigate the Effects of Skin Friction on the Performance of Drilled Shafts in Cohesive Soils, by Woodward-Clyde Consultants, Houston, Texas. In 3 volumes	AD A114 305
TR GL-82-2		Natural Processes Influencing Terrain Attributes:	
	Jun 1982	Report 1 Prediction of Residual Soil Texture in Humid Temperate Climates of the Federal Republic of Germany and Selected Analogous Portions of the United States--Pilot Study, by W. K. Dornbusch, Jr.	AD A116 939
TR GL-82-3	Jul 1982	New Pressure Test for Determining Coefficient of Permeability of Rock Masses, by R. D. Bennett and R. F. Anderson (includes Appendix A)	AD A116 982
TR GL-82-4	Jun 1982	Steerability Analysis of Tracked Vehicles on Soft Soil; Theoretical Predictions Versus Field Measurements, by Behzad Rohani and G. Y. Baladi (includes Appendixes A-D)	AD A117 834
* TR GL-82-5	Jun 1982	Mobility Assessment of German M.A.N. 10-Ton Tractors Towing Pershing Semitrailers, by D. D. Randolph and R. G. Temple (includes Appendixes A-C)	AD B066 219L
TR GL-82-6		Regional Groundwater Study of Rocky Mountain Arsenal, Denver, Colorado:	
*	Jul 1982	Report 1 Hydrogeological Definition, by J. H. May (includes Appendixes A-F)	AD B068 471L
*	Sep 1984	Report 2 Contaminant Distribution, by P. A. Spaine, D. W. Thompson, and J. H. Dildine	AD B086 321L

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TR GL-82-7	Sep 1982	Membrane-Soil Composite Layers in the Design, Construction, and Performance of an Expedient Bridge and Approach, by G. L. Regan	AD A120 563
TR GL-82-8	Sep 1982	The PQS Probe: Simultaneous Measurement of Penetration Resistance and Pore Pressure, by S. S. Cooper and A. G. Franklin	AD A120 422
TR GL-82-9	Sep 1982	Tunnel Detection, by R. F. Ballard, Jr.	AD A121 447
TR GL-82-10	Sep 1982	Mobility Analysis of Selected Lightweight Armored Wheeled Concept Vehicles, by D. D. Randolph and Keafur Grimes (includes Appendixes A-D)	AD A120 737
TR GL-82-11		MX Road Design Criteria Studies:	
*	Sep 1982	Report 2 Investigation of a Proprietary Material for Dust Control, by C. R. Styron III and A. C. Spivey, Jr. (includes Appendix A)	AD B069 056L
TR GL-82-12		Mobility Assessment of the Roland Wheeled Vehicle System:	
	Nov 1982	Report 1 Results of Field Tests, by B. G. Schreiner and C. E. Green (includes Appendixes A-B)	AD A123 287
	Sep 1982	Report 2 Mobility Assessment Using the Army Mobility Model, by Keafur Grimes and D. D. Randolph (includes Appendixes A-C)	AD A121 483
TR GL-83-1		Cavity Detection and Delineation Research:	
	Mar 1983	Report 1 Microgravimetric and Magnetic Surveys: Medford Cave Site, Florida, by D. K. Butler (includes Appendixes A-B)	AD A124 574
	Jun 1983	Report 2 Seismic Methodology: Medford Cave Site, Florida, by J. R. Curro, Jr.	AD A131 322
	May 1983	Report 3 Acoustic Resonance and Self-Potential Applications: Medford Cave and Manatee Springs Sites, Florida, by S. S. Cooper	AD A130 822
	Mar 1983	Report 4 Microgravimetric Survey: Manatee Springs Site, Florida, by D. K. Butler, C. B. Whitten, and F. L. Smith (includes Appendix A)	AD A125 900
	Jul 1983	Report 5 Electromagnetic (Radar) Techniques Applied to Cavity Detection, by R. F. Ballard, Jr. (includes Appendix A)	AD A132 923
* TR GL-83-2	Jan 1983	Mobility Performance of Candidate Vehicles for Corps Support Weapon System, by R. P. Smith	AD B071 566L
TR GL-83-3	Mar 1983	Concrete Block Pavements, by R. S. Rollings	AD A129 535
TR GL-83-4	Apr 1983	Evaluation of the Erosion Potential of Embankment Core Materials Using the Laboratory Triaxial Erosion Test Procedure, by R. L. Sanchez, A. I. Strutynsky, and M. L. Silver (includes Appendixes A-G)	AD A130 977

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TR GL-83-5	Sep 1983	Surface and Subsurface Geologic Conditions Along Selected Reaches of the Mississippi River from Rosedale, Miss. to Lake Providence, La., by W. L. Murphy	AD A133 099
* TR GL-83-6	Aug 1983	Ride and Shock Test Results and Mobility Performance Evaluation of Small Emplacement Excavator (SEE) Tractor in Selected Study Areas, by C. E. Green, D. D. Randolph, and Keafur Grimes (includes Appendixes A-C)	AD B076 525L
* TR GL-83-7	Aug 1983	Ride and Shock and Limited Drawbar Test Results of the Truck Tractor, 10-Ton, 8x8, M.A.N. with GLCM Semitrailer, by J. H. Robinson (includes Appendixes A-B)	AD B077 516L
* TR GL-83-8	Aug 1983	Mobility Comparison of the High-Mobility Multipurpose Wheeled Vehicles (HMMWV) and the Commercial Utility Cargo Vehicles (CUCV), by R. P. Smith (includes Appendixes A-C)	AD B076 556L
* TR GL-83-9	Aug 1983	Mobility Performance of the GLCM/TEL and Other Selected Vehicles in the Mid-East and Far East Study Areas, by Keafur Grimes (includes Appendixes A-D)	AD B077 142L
* TR GL-83-10	Sep 1983	Ride and Shock Test Results and Mobility Assessment of HMMWV Candidate Vehicles, by C. E. Green, D. D. Randolph, and Keafur Grimes (includes Appendixes A-D)	AD B077 158L
* TR GL-83-11	Sep 1983	Hydrogeology of Basin A/South Plants Area, Rocky Mountain Arsenal, Denver, Colorado, Phase I, by J. H. May, J. D. Crabtree, R. W. Hunt, and W. L. Murphy (includes Appendixes A-C)	AD B077 543L
* TR GL-83-12	Sep 1983	Adaptation and Condensation of the Army Mobility Model for Cross-Country Mobility Mapping, by G. W. Turnage and J. L. Smith (includes Appendix A)	AD B077 797L
TR GL-83-13	Oct 1983	Design of Gravity Dams on Rock Foundations: Sliding Stability Assessment by Limit Equilibrium and Selection of Shear Strength Parameters, by G. A. Nicholson (includes Appendixes A-B)	AD A137 225
TR GL-83-14	Oct 1983	In Situ and Laboratory Shear Devices for Rock: A Comparison, by G. A. Nicholson	AD A137 226
TR GL-83-15	Sep 1983	In Situ Determination of Liquefaction Potential Using the PQS Probe, by W. E. Norton (includes Appendixes A-F)	AD A136 853
TR GL-83-16	Oct 1983	Repair and Restoration of Paved Surfaces; FY 82, Phase II, Backfilling of Craters, by V. C. Barber	AD A135 745
* TR GL-83-17	Dec 1983	Results of Soft-Soil, Acceleration, Turning, and Maneuver Tests with WES M113/2E HOTROD, GM XM1, GM ATR, and a Contemporary M113, by C. E. Green (includes Appendix A)	AD B081 029L
TR GL-83-18	Dec 1983	Development of Probabilistic Rigid Pavement Design Methodologies for Military Airfields, by M. W. Witczak, J. Uzan, and M. Johnson	AD A138 212

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* TR GL-83-19	Dec 1983	Mobility Assessment of Mobile Protected Weapons System (MPWS) Candidate Vehicles, by D. D. Randolph and Keafur Grimes (includes Appendixes A-D)	AD B079 676L
TR GL-84-1		Steerability Analysis of Multiaxial Wheeled Vehicles:	
	Jan 1984	Report 1 Development of a Soil-Wheel Interaction Model, by G. Y. Baladi, Behzad Rohani, and D. E. Barnes (includes Appendixes A-C)	AD A144 696
TR GL-84-2	Feb 1984	Evaluation of Properties of Recycled Asphalt Concrete Hot Mix, by E. R. Brown (includes Appendix A)	AD A140 479
* TR GL-84-3	Feb 1984	Mobility Test Results for the Light Armored Vehicles (LAV) at Twentynine Palms, California, by W. E. Willoughby (includes Appendixes A-D)	AD B083 124L
TR GL-84-4	Feb 1984	Effects of Military Traffic on Buried, High-Pressure Pipe, by J. C. Potter	AD A140 319
TR GL-84-5	Mar 1984	Methodology for Design and Construction of Drilled Shafts in Cohesive Soils, by L. D. Johnson (includes Appendixes A-I)	AD A144 419
TR GL-84-6	Jun 1984	Engineering Criteria for Use of Geotextile Fabrics in Pavement and Railroad Construction, by R. H. Grau	AD A144 813
TR GL-84-7	Jun 1984	Geological-Seismological Evaluation of Earthquake Hazards at Surry Mountain Dam site, New Hampshire, by E. L. Krinitzsky (includes Appendixes A-B)	AD A143 097
TR GL-84-8	Jun 1984	Geological-Seismological Evaluation of Earthquake Hazards at West Thompson Dam site, Connecticut, by E. L. Krinitzsky (includes Appendixes A-B)	AD A143 078
* TR GL-84-9	Sep 1984	Results of Mobility Tests on the Surrogate Fast Attack Vehicle, by R. H. Gillespie (includes Appendixes A-E)	AD B019 276L
TR GL-84-10	Sep 1984	Investigation of Density Variation in Triaxial Test Specimens of Cohesionless Soil Subjected to Cyclic and Monotonic Loading, by P. A. Gilbert (includes Appendixes A-E)	AD A148 944
* TR GL-84-11	Sep 1984	Tactical Mobility Study, by J. H. Robinson and T. C. Dean (includes Appendixes A-E)	AD B087 564L
	Feb 1985	Errata Sheet No. 1	
* TR GL-84-12	Sep 1984	Mobility Test Results of the Tracked Armor Protected Amphibious Vehicle, LVTP7, by C. E. Green (includes Appendix A)	AD B088 053L
TR GL-84-13	Oct 1984	Foundation Grouting Practices at Corps of Engineers Dams, by John Albritton, Lawson Jackson, and Robert Bangert (includes Appendixes I-II)	AD A152 527

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TR GL-84-14		Engineering Geology of Selected Areas, US Army Engineer Division, Lower Mississippi Valley:	
	Dec 1984	Report 1 The American Bottom Area, MO-IL:	
		Volume I Main Text, by L. M. Smith and F. L. Smith	AD A154 258
		Volume II Plates, by L. M. Smith and F. L. Smith	
TR GL-85-1	Jan 1985	State-of-the-Art Construction Technology for Deep Tunnels and Shafts in Rock, by R. D. Bennett, H. J. Hignett, Stig Johansson, et al. (includes Appendixes A-D)	
TR GL-85-2	Mar 1985	Nondestructive Tests for the Evaluation of Railroad Track Foundations and Lime Slurry Pressure Injection Stabilization, by R. H. Ledbetter (includes Appendixes A-D)	AD A157 453
TR GL-85-3	Apr 1985	Geotechnical Descriptions of Rock and Rock Masses, by W. L. Murphy	AD A157 493
* TR GL-85-4	Apr 1985	Mobility Assessment of the Heavy Expanded Mobility Tactical Truck (HEMTT) Initial Production Vehicles, by B. G. Schreiner, D. W. Moore, and Keafur Grimes (includes Appendixes A-H)	AD B093 140L
TR GL-85-5		The Vaiont Slide, A Geotechnical Analysis Based on New Geologic Observations of the Failure Surface:	
	Jun 1985	Volume I Main Text, by A. J. Hendron, Jr., and F. D. Patton	AD A158 192
	Jun 1985	Volume II Appendixes A through G, by A. J. Hendron, Jr., and F. D. Patton	AD A158 193
* TR GL-85-6	May 1985	Field Test Results and Mobility Predictions for the Yugoslav FAP 2026 Cargo Truck, by B. G. Schreiner (includes Appendixes A-B)	AD B094 298L
* TR GL-85-7	Jun 1985	Mobility Performance of the BV206, M116AAI, M116WES, M113SIT, and Standard M113, by C. E. Green and G. L. Mason, Jr. (includes Appendixes A-I)	AD B094 172L
TR GL-85-8	Jun 1985	A Review of Developments in Agricultural Science Applicable to Military Soil Moisture Prediction Requirements, by L. F. Hall (includes Appendixes A-C)	AD A157 670
TR GL-85-9	Sep 1985	Strength and Deformation Properties of Earth-Rock Mixtures, by R. T. Donaghe and V. H. Torrey III	AD A160 701
* TR GL-85-10	Sep 1985	Feasibility of Acoustic/Seismic Assessment of Damage and Hazards During Rapid Excavation Associated with Deep-Based Facilities, by D. K. Butler	AD B096 714
TR GL-85-11	Sep 1985	Dustproofing Unsurfaced Areas; Facilities Technology Application Test Demonstrations, FY 84, by C. R. Styron III, R. A. Hass, and Karen Kelley (includes Appendix A)	AD A163 161

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* TR GL-85-12	Sep 1985	Development of a Terrain and Road Data Base for HML Transporter Concepts, by G. L. Mason, Jr., R. P. Smith, M. W. Gray, and R. B. Ahlvin (includes Appendixes A-G)	AD B096 658L
* TR-GL-85-13	Oct 1985	Severity Ranking of Courses Used for High-Mobility Multipurpose Wheeled Vehicle (HMMV) Tests at Camp Roberts, Fort Hunter Liggett, and Aberdeen Proving Ground, by C. J. Nuttall, Jr., C. E. Green, T. C. Dean, and M. W. Gray (includes Appendixes A-B)	AD B098 079L
TR GL-86-1		Correlation of Nondestructive Pavement Evaluation Test Results of Conventional Quality Control and In-Situ Strength Tests on an MX Road Test Section:	
	Feb 1986	Volume I Main Text, by D. R. Alexander	AD A167 672
	Feb 1986	Volume II Appendix A, by D. R. Alexander	AD A167 671
* TR GL-86-2	Mar 1986	Results of Mobility Tests on the Mobile Protected Gun System Improved Suspension Program, by R. H. Gillespie and N. R. Murphy, Jr. (includes Appendixes A-H)	AD B101 867L
TR GL-86-3		Geomorphological Investigation of the Atchafalaya Basin, Area West, Atchafalaya Delta, and Terrebonne Marsh:	
	Apr 1986	Volume I by Lawson Smith, Joseph Dunbar, and L. D. Britsch	AD A168 865
TR GL-86-4	May 1986	Pavement Recycling: Facilities Technology Application Test (FTAT) Demonstration, FY 84, Fort Gillem, Georgia, by Timothy Vollor (includes Appendix A)	AD A169 284
TR GL-86-5	May 1986	Evaluation of Waterways Experiment Station Developed Aluminum Access/Egress Modules, by S. D. Triplett and D. W. White, Jr.	AD A171 511
TR GL-86-6		Evaluation and Repair of War-Damaged Port Facilities:	
	May 1986	Report 1 Port Construction History, Inspection Techniques, and Major Port Characteristics, by C. J. Smith (includes Appendixes A-E)	AD A170 416
TR GL-86-7		Seismic Stability Evaluation of Alben Barkley Dam and Lake Project:	
	Jun 1986	Volume II Geological and Seismological Evaluation, by E. L. Krinitzsky (includes Appendixes A-C)	AD A170 665
	Mar 1989	Volume III Field and Laboratory Investigations, by R. S. Olsen, P. F. Bluhm, M. E. Hynes, et al. (includes Appendixes A-J)	AD A206 745
TR GL-86-8	Sep 1986	Geological-Seismological Evaluation of Earthquake Hazards at Prompton and Francis E. Walter Damsites, Pennsylvania, by E. L. Krinitzsky (includes Appendixes A-C)	AD A172 938
* TR GL-86-10	Jul 1986	Mobility Performance Evaluation of the First Article Preproduction SEE Tractor, by C. E. Green	AD B105 012L
TR GL-86-12	Jul 1986	Evaluation of Fleximat as an Assault Egress Surfacing, by S. D. Triplett	AD A171 621

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TR GL-86-13	Jul 1986	The Large Strain, Controlled Rate of Strain (LRCRS) Device for Consolidation Testing of Soft Fine-Grained Soils, by K. W. Cargill (includes Appendixes A-F)	AD A171 591
TR GL-86-14	Sep 1986	Performance Prediction of Low Volume Airfield Pavement, by A. J. Bush III (includes Appendixes A-C)	AD A172 270
TR GL-86-15	Aug 1986	Probabilistic and Reliability Analysis of the California Bearing Ratio (CBR) Design Method for Flexible Airfield Pavements, by Y. T. Chou (includes Appendixes A-B)	AD A173 231
TR GL-86-16	Sep 1986	Geological-Seismological Evaluation of Earthquake Hazards at Franklin Falls Dam Site, New Hampshire, by E. L. Krinitzsky and J. B. Dunbar (includes Appendixes A-D)	AD A173 230
TR GL-86-17	Oct 1986	Technical Evaluation Reports of Airfield Damage Repair Solution, by G. M. Hammitt II, J. W. P. Patin, and Robert Devens (includes Appendixes A-H)	AD A181 083
TR GL-86-18	Dec 1986	Comparison of Measures of Vibration Affecting Occupants of Military Vehicles, by N. R. Murphy, Jr., and F. H. Ahmad	AD A178 359
* TR GL-86-19	Nov 1986	Sand-Grid Demonstration Roads Constructed for JLOTS II Test at Fort Story, Virginia, by S. L. Webster (includes Appendixes A-C)	AD B108 654L
TR GL-86-20	Dec 1986	Dustproofing Unsurfaced Areas: Facilities Technology Application Test (FTAT) Demonstration, FY 85, by R. A. Hass (includes Appendixes A-D)	AD A176 861
TR GL-86-21		Evaluation and Repair of War-Damaged Port Facilities:	
	Oct 1986	Report 4 Concepts for Expedient War-Damage Repair of Pier and Wharf Support Structures, by Eastport International Inc. (includes Appendix A)	AD A178 055
* TR GL-87-1	Feb 1987	Mobility Performance of Candidate Vehicles for the Ground-Based Sensor Component of the Forward Area Air Defense System (FAADS), by J. H. Robinson, R. P. Smith, R. B. Ahlvin and A. B. Reaves (includes Appendixes A-C)	AD B109 587L
TR GL-87-2	Feb 1987	Investigation of Anchor Systems for the Mobile Aircraft Arresting System (MAAS), by G. L. Carr	AD A178 478
TR GL-87-3	Feb 1987	Advanced Construction Procedures; Confined Bases for Airport Pavements, by J. C. Potter	AD A174 851
TR GL-87-4	Mar 1987	Geological-Seismological Evaluation of Earthquake Hazards at Blackfoot Dam, Idaho, by E. L. Krinitzsky (includes Appendixes A-B)	AD A181 076
* TR GL-87-5	Mar 1987	Results of Mobility Tests with Nuclear, Biological, and Chemical Surrogate Reconnaissance Systems, by C. E. Green, D. M. Rogillio, and D. E. Strong (includes Appendix A)	AD B113 300L

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* TR GL-87-6	Mar 1987	Evaluation of the M2 Bradley Fighting Vehicle System (BFVS) Crossing Gaps in Selected Areas in the Federal Republic of Germany, by J. H. Robinson, T. C. Dean, R. F. Unger, and R. P. Smith (includes Appendix A)	AD 8110 728L
* TR GL-87-7		Stresses in M1 Tank Tracks:	
	Apr 1987	Report 1 Initial Field and Simulation Studies, by N. R. Murphy, Jr., A. S. Lessem, and B. E. Reed (includes Appendix A)	AD 8113 494L
TR GL-87-8	Apr 1987	Maximum Theoretical Specific Gravity of Bituminous Paving Mixtures, by R. R. Johnson and K. L. Kelley	AD A181 599
* TR GL-87-9	Apr 1987	Mobility Predictions of Selected Foreign Vehicles and Comparison US Vehicles in the Federal Republic of Germany and the Middle East Study Areas, by P. A. Morris and T. C. Dean (includes Appendixes A-C)	AD 8113 659L
TR GL-87-10	Apr 1987	Uniaxial Tensile Test for Soil, by D. A. Leavell and J. F. Peters (includes Appendixes A-D)	AD A183 770
* TR GL-87-11	May 1987	Digital Mobility-Terrain Data Base Development and Mobility Evaluations in the Puckapunyal and Batchelor Areas in Australia, by T. C. Dean, J. H. Robinson, and C. D. Bullock (includes Appendixes A-C)	AD 8112 149L
TR GL-87-12		Evaluation and Repair of War-Damaged Port Facilities:	
	Jun 1987	Report 3 Concepts for Expedient War-Damaged Repair of Pier and Wharf Decking, by C. T. Jähren (includes Appendixes A-D)	AD A183 488
TR GL-87-13	Jul 1987	Geological Investigation of the Mississippi River Deltaic Plain: Land Loss and Land Accretion, by J. R. May and L. D. Britsch	
TR GL-87-14		Seismic Stability Evaluation of Folsom Dam and Reservoir Project:	
	Apr 1989	Report 2 Interface Zones, by D. W. Sykora and M. E. Hynes (includes Appendixes A-D)	AD A207 331
	Mar 1989	Report 3 Concrete Gravity Dam, by R. L. Hall, S. C. Woodson, and J. M. Nau (includes Appendixes A-G)	AD A205 949
	Mar 1988	Report 4 Mormon Island Auxiliary Dam - Phase I, by M. E. Hynes-Griffin, R. E. Wahl, R. T. Donaghe, and Takashi Tsuchida (includes Appendixes A-B)	AD A194 227
	Nov 1988	Report 5 Seismic Stability Evaluation of Dike 5, by R. E. Wahl and M. E. Hynes (includes Appendix A)	AD A201 387
	Apr 1989	Report 6 Right and Left Wing Dams, by R. E. Wahl, M. E. Hynes, D. E. Yule, and D. J. Elton (includes Appendix A)	AD A206 660

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-87-14 (Cont'd)		Seismic Stability Evaluation of Folsom Dam and Reservoir Project: (Cont'd)	
	Jul 1988	Report 7 Upstream Retaining Wall, by H. J. Leeman, Jr., M. E. Hynes, W. V. Ellis, and Takashi Tsuchida (includes Appendix A)	AD A193 450
	Oct 1988	Report 8 Mormon Island Auxiliary Dam - Phase II, by R. E. Wahl, S. G. Crawford, M. E. Hynes, et al. (includes Appendixes A-B)	AD A201 228
TR GL-87-15	Jul 1987	Comparative Study of Nondestructive Pavement Testing, MacDill Air Force Base, Florida, by J. W. Hall, Jr. (includes Appendixes A-C)	AD A186 082
* TR GL-87-16	Jul 1987	Mobility Assessment of US and German Tracked Recovery Vehicles in the Federal Republic of Germany Study Area, by P. A. Morris and R. B. Ahlvin (includes Appendixes A-D)	AD B115 889L
* TR GL-87-17	Jul 1987	Soft Soil and Side Slope Field Test Results for the Ground-Launched Cruise Missile Transporter-Erector-Launcher, by R. F. Unger (includes Appendixes A-C)	AD B115 103L
TR GL-87-18	Aug 1987	Cost-Effective Surfacing for Tracked-Vehicle Traffic, by J. E. Shoenberger	AD A185 543
TR GL-87-19	Aug 1987	Dry-Soil Compaction Investigation, by W. N. Brabston	AD A185 485
* TR GL-87-20	Aug 1987	A Theoretical Study of the Radiation Patterns of a Tunnel-Boring Machine (Infinite Medium), by A. F. Gangi (includes Appendixes A-D)	AD B115 180L
* TR GL-87-21	Aug 1987	Survivable Tire Test Results, by C. E. Green, M. W. Gray, R. H. Johnson, and R. H. Multer (includes Appendix A)	AD B115 890L
TR GL-87-22	Aug 1987	Laboratory Tests on Granular Filters for Embankment Dams, by E. B. Perry (includes Appendixes A-E)	AD A185 623
* TR GL-87-23	Sep 1987	Development of an Anchorage System for the Access/Egress Roadway Surfacing, by D. W. White, Jr.	AD B117 724L
TR GL-87-24	Sep 1987	Probabilistic and Reliability Design Procedures for Flexible Airfield Pavements-Elastic Layered Method, by Y. T. Chou (includes Appendixes A-B)	AD A187 533
TR GL-87-25	Oct 1987	Comparative Evaluation of 10-lb Sliding Weight and Sleeve-Type Manual Compaction Rammers for Pavement Design and Quality Control Applications, by W. N. Brabston	AD A188 379
* TR GL-87-26	Nov 1987	Mobility Performance of Candidate Vehicle for the Fiber Optic Guided Missile (FOG-M) Component of the Forward Area Air Defense System (FAADS), by J. H. Robinson, R. P. Smith, and A. M. Reaves (includes Appendixes A-C)	AD B117 535L
* TR GL-88-1	Feb 1988	Test Results for Verification of M113A2 Swim Product Improvement and an Interim Training Procedure for Swimming the Vehicle, by C. E. Green and D. M. Rogillio (includes Appendixes A-D)	AD B120 904L

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-88-2	Feb 1988	Life Cycle Cost for Drainage Structures, by J. C. Potter (includes Appendix A)	AD A191 569
TR GL-88-3		Stresses in M1 Tank Tracks:	
*	Apr 1988	Report 2 Initial Thermal Field and Simulation Studies, by N. R. Murphy, Jr., and A. S. Lessem	AD B123 021L
TR GL-88-6	May 1988	Geophysical Investigation In Support of Beaver Dam Comprehensive Seepage Investigation, by J. L. Llopis and D. K. Butler	AD A195 588
TR GL-88-8		Test Results for the Hard Mobile Launcher Mobility Test Program at Yuma Proving Ground, Yuma, Arizona:	
*	Jun 1988	Volume I Main Text, by R. H. Gillespie, G. L. Mason, Jr., B. G. Schreiner, et al. (includes Appendixes A-I)	AD B124 136L
TR GL-88-9		Retrogressive Failure in Sand Deposits of the Mississippi River:	
	Jun 1988	Report 1 Field Investigations, Laboratory Studies and Analysis of the Hypothesized Failure Mechanism, by Victor Torrey III, J. B. Dunbar, and R. W. Peterson (includes Appendixes A-D)	AD A198 760
	Jun 1988	Report 2 Empirical Evidence in Support of the Hypothesized Failure Mechanism and Development of the Levee Safety Flow Slide Monitoring System, by V. H. Torrey III (includes Appendixes A-C)	AD A198 065
* TR GL-88-10	Jul 1988	An Empirical Constitutive Relationship for Rock Mass Based on Rock Mass Classification, by G. A. Nicholson (includes Appendixes A-D)	
* TR GL-88-11	Aug 1988	Mobility Assessment of German M.A.N. 10-Ton Tractors Towing Selected Pershing Semitrailers, by C. P. Rabalais (includes Appendixes A-D)	AD B124 455L
TR GL-88-12	Aug 1988	Experimental Evaluation of Variables Affecting the Testing of Pavements by the Spectral-Analysis-of-Surface-Waves Method, by D. R. Hiltunen (includes Appendixes)	AD A199 281
* TR GL-88-13	Aug 1988	Updated Soil Moisture-Strength Prediction (SMSP) Methodology, by J. G. Kennedy, E. S. Rush, G. W. Turnage, and P. A. Morris (includes Appendixes A-C)	AD B126 187L
* TR GL-88-14	Sep 1988	Mobility Assessment of SLF-Propelled Air Cushion Assisted Vehicles (ACAV) and Selected Logistical-Over-the-Shore (LOTS) Vehicles, by Keafur Grimes	
* TR GL-88-15	Sep 1988	Methodology for Development of Digital Terrain Data for the Automated Model of Dismounted Combat, by C. D. Bullock (includes Appendix A)	AD B127 041L
	Jul 1989	Errata Sheet No. 1	

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR GL-88-16		Evaluation and Repair of War-Damaged Port Facilities:	
	Sep 1988	Report 2 Port Vulnerability, Pier and Wharf Repair and Storage Area Repair, by C. J. Smith, D. L. Cooksey, F. M. Warren and E. F. O'Neill III (includes Appendixes A-E)	AD A200 457
* TR GL-88-17	Sep 1988	Test Results of the Hard Mobile Launcher Mobility Test Bed at Malmstrom AFB, Great Falls, Montana, by G. L. Mason, Jr. and R. H. Gillespie (includes Appendixes A-G)	AD B127 902L
* TR GL-88-18	Sep 1988	Mobility Analysis for the TRADOC Wheeled Versus Tracked Vehicle Study, by R. F. Unger (includes Appendixes A-C)	AD B126 025L
* TR GL-88-19	Sep 1988	Mobility Models Utilizing Acceleration and Deceleration, by G. B. McKinley (includes Appendixes A-D)	AD B126 034L
TR GL-88-20		Thermodynamics of Frictional Materials:	
	Nov 1988	Report 1 Constitutive Theory of Soils with Dilatant Capability, by K. C. Valanis and J. F. Peters (includes Appendix A)	AD A202 994
TR GL-88-21	Nov 1988	Computer Controlled Microwave Oven System for Rapid Water Content Determination, by P. A. Gilbert (includes Appendixes A-B)	AD A203 684
TR GL-88-27		Geology and Hydrogeology of the Ammunition Burning Ground, Crane Naval Weapons Support Center:	
*	Oct 1988	Volume I Main Text, by R. W. Hunt	AD B127 350L
*	Oct 1988	Volume II Plates, by R. W. Hunt	AD B127 351L
	Oct 1988	Volume III Boring Logs and Well Installation Diagrams, by R. W. Hunt	
* TR GL-89-2	Jan 1989	Test Results for the Hard Mobile Launcher Mobility Test Bed at Malmstrom AFB, Great Falls, Montana, 1988, by R. H. Gillespie, G. L. Mason, Jr., and C. R. May (includes Appendixes A-D)	AD B130 333L
TR GL-89-3		Evaluation of Nondestructive Test Equipment for Airfield Pavements:	AD A207 159
	Jan 1989	Phase I Calibration Test Results and Field Data Collection, by R. A. Bentsen, A. J. Bush III, and Andrew Harrison	AD A207 159
* TR GL-89-4	Mar 1989	Evaluating the Effect of Off-Road Obstacles on Unit Movement, by A. W. Harrell (includes Appendixes A-D)	AD B131 807L
TR GL-89-5	Apr 1989	Design Criteria for Aggregate-Surfaced Roads and Airfields, by Y. T. Chou (includes Appendixes A-C)	AD A207 059
TR GL-89-6	Apr 1989	The Influence of Soil Surface Conditions on the Traction of Wheeled and Tracked Military Vehicles, by D. W. Moore (includes Appendix A)	AD A208 253

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* TR GL-89-7	Jul 1989	Comparison of the Tactical Mobility of the Light Medium Tactical Vehicle (LMTV) and Alternative Vehicles, by D. D. Randolph, Keafur Grimes, and C. P. Rabalais (includes Appendixes A-E)	
TR GL-89-8		Stresses in M1 Tank Tracks:	
*	Jul 1989	Report 3 Initial Validation of Track Analysis Codes and Development of a Track Design Workstation, by A. S. Lessem and B. E. Reed	AD B134 517L
* TR GL-89-9	Aug 1989	Mobility Evaluation of the Technology Demonstrator 5-Ton Truck Testbed, by D. W. Moore (includes Appendixes A-B)	AD B136 377L
TR GL-89-10	Sep 1989	In Situ Seismic Investigation of Folsom Dam and Reservoir Project, by J. L. Llopis	AD A212 861
TR GL-89-11	Aug 1989	Start-Up Performance of Ground-Water Recharge Trenches, Rocky Mountain Arsenal, by R. J. Lutton (includes Appendix A)	AD A212 485
TR GL-89-12	Sep 1989	Geophysical Assessment of Foundation Conditions: Right Abutment, Mill Creek Dam, by D. K. Butler, D. E. Yule, J. L. Llopis, and M. K. Sharp (includes Appendixes A-D)	AD A213 188
TR GL-89-13	Sep 1989	LEVEEMSU: A Software Package Designed for Levee Underseepage Analysis, by T. F. Wolff (includes Appendixes A-G)	AD A214 060
* TR GL-89-14	Sep 1989	Development of Finite-Element-Based Design Procedure for Sheet-Pile Walls, by D. A. Leavell, J. D. Peters, E. V. Edris, and T. L. Holmes (includes Appendixes A-C)	AD A214 479
* TR GL-89-16	Dec 1989	Design, Development, and Operation of a Directional Shear Cell, by J. R. Arthur, F. Cutler, T. Dunstan, et al. (includes Appendix A)	AD A216 300

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Video Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
VR GL-85-1	Sep 1985	Displacement of Rock Blocks in Unlined Channels, by J. B. Palmerton	
VR GL-88-1	Dec 1987	Geotextile Reinforced Dike Test Section, Craney Island, Norfolk District, by Jack Fowler	

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Contract Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
CR HL-88-1	Aug 1988	An Evaluation of the Standard Elutriate Test as an Estimator of Contaminant Release at the Point of Dredging, by D. D. Ludwig, J. H. Sherrard, and R. A. Amende (includes Appendixes A-B)	AD A198 542

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Instruction Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR HL-79-1	Feb 1979	A User's Manual for the Tsunami Inundation Numerical Model, by J. R. Houston and H. L. Butler (includes Appendix A)	AD 8034 516L
IR HL-81-1	Sep 1981	A Guide to the Planning and Hydraulic Design of Jet Pump Remedial Sand Bypassing Systems, by T. W. Richardson and E. C. McNair, Jr. (includes Appendixes A-C)	AD A105 904
IR HL-84-1	May 1984	Operation Manual: Pressure-Momentum Method of Discharge Measurement, by R. G. McGee (includes Appendixes A-D)	AD A144 815
IR HL-85-1	Jul 1985	User's Manual for the Generalized Computer Program System: Open-Channel Flow and Sedimentation, TABS-2; Main Text, by W. A. Thomas and W. H. McAnally, Jr.	AD A159 249
IR HL-85-1	Aug 1985	User's Manual for the Generalized Computer Program System: Open-Channel Flow and Sedimentation, TABS-2; Main Text and Appendixes A Through O, by W. A. Thomas and W. H. McAnally, Jr. (Published in loose-leaf form)	AD A162 390

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP HL-79-1	Jan 1979	Levee Wash Protection by Trees; Hydraulic Model Investigation, by D. G. Markle	AD A065 189
MP HL-79-2	Mar 1979	The Dynamic Loop Effect on the Mississippi River, Project Design Flood Flow Line, by C. J. Huval	AD A069 277
MP HL-79-3	Mar 1979	Spillway Velocity Measurement and Flip Bucket Trajectory, Raystown Dam, Juniata River, Pennsylvania, by T. L. Fagerburg (includes Appendix A)	AD A068 983
MP HL-79-4	Apr 1979	Mission Bay, California, Littoral Compartment Study, by L. Z. Hales (includes Appendixes A-E)	AD A070 027
MP HL-79-5	May 1979	Numerical Analysis of Tidal Circulation for Long Beach Outer Harbor Proposed Landfill, by D. G. Outlaw and D. C. Raney (includes Appendix A)	AD A069 796
	May 1979	Appendix B Tidal Circulation Velocity Patterns, by D. G. Outlaw and D. C. Raney	
MP HL-79-6	May 1979	Recent Automation Changes in Model Velocity Analysis and Data Acquisition by Miniature Price Meters, by D. L. Durham, H. C. Greer III, and K. A. Turner (includes Appendixes A-D)	AD A072 692
	Aug 1979	Errata Sheet No. 1	
MP HL-79-7	Jul 1979	Pumping Stations - Field Performance Investigation, by B. P. Fletcher	AD A078 773
MP HL-79-8	Oct 1979	Stilling Basins for Outlet Works, by T. E. Murphy	AD A078 907
MP HL-80-1	Jan 1980	Planning of Automated Data Acquisition and Process Control Systems (ADACS), by R. H. Multer	AD A081 043
* MP HL-80-2	Feb 1980	Corps of Engineers Experiences with Flow-Induced Vibrations, by F. M. Neilson and E. B. Pickett	AD B046 732L
MP HL-80-3	Sep 1980	VAHM - A Vertically Averaged Hydrodynamic Model Using Boundary-Fitted Coordinates, by B. H. Johnson (includes Appendix A)	AD A094 247
MP HL-80-4	Sep 1980	Lock Design, Bottom Longitudinal Filling and Emptying System, by T. E. Murphy	AD A089 970
MP HL-80-5	Oct 1980	Old River Overbank Structure Outlet Modifications; Hydraulic Model Investigation, by R. R. Copeland	AD A092 802
MP HL-81-1	Jan 1981	Stability of Rubble-Mound Breakwater; Maalaea Harbor, Maui, Hawaii; Hydraulic Model Investigation, by R. D. Carver and D. G. Markle	AD A096 822

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP HL-81-2	Jan 1981	Nanticoke River, Maryland, Dye Dispersion Study; Chesapeake Bay Hydraulic Model Investigation, by D. R. Richards, S. R. Rives, and D. F. Bastian	AD A095 895
MP HL-81-3	Jun 1981	Numerical Analysis of Harbor Resonance: Respose in East Channel, Los Angeles Harbor, by D. G. Outlaw and J. R. Houston	AD A103 426
MP HL-81-4	Sep 1981	Advective Effects in the Numerical Simulation of Long Large Amplitude Wave Behavior, by H. L. Butler	AD A105 231
MP HL-81-5	Aug 1981	Significant Stresses of Arrested Saline Wedges, by G. H. Keulegan	AD A105 121
MP HL-81-6	Dec 1981	Air Demand Tests, Libby Dam, Kootenai River, Montana, by E. D. Hart	AD A110 425
MP HL-82-1	Oct 1982	Tsunami Response of Barbers Point Harbor, Hawaii, by P. D. Farrar and J. R. Houston (includes Appendixes A-B)	AD A122 299
MP HL-82-2	Dec 1982	Air Demand and Vibration Measurements, Wynoochee Dam, Wynoochee River, Washington, by E. D. Hart	AD A123 915
MP HL-83-1	Jan 1983	Bank Protection Techniques Using Spur Dikes, by R. R. Copeland	AD A125 156
MP HL-83-2	Apr 1983	Wave Stability Study of Riprap-Filled Cells; Hydraulic Model Investigation, by D. G. Markle	AD A129 428
MP HL-83-3	May 1983	Wave and Seepage-Flow Effects on Sand Streambanks and Their Protective Cover Layers; Demonstration Hydraulic Models, by D. G. Markle	AD A130 595
MP HL-83-4	Jun 1983	Indian Creek Pumping Station Hydraulic Prototype Tests, Mankato, Minnesota, by R. G. McGee	AD A130 388
MP HL-83-5	Jul 1983	Poststorm Reconnaissance of Tropical Storm Chris, by T. H. Flor (includes Appendix A)	AD A131 948
MP HL-83-7	Oct 1983	Sedimentation Study for the Rochester, Minnesota, Flood-Control Project, by D. T. Williams	AD A135 520
MP HL-83-8	Oct 1983	Tampa Bay Dredged Material Disposal Site Analysis, by D. T. Williams (includes Appendix A)	AD A134 862
MP HL-84-1	Apr 1984	Estimated Flooding from Hypothetical Flow Conditions on the Lower Fox River, Wisconsin, by R. W. McCarley	AD A141 911
MP HL-84-2	May 1984	Documentation of Wave-Height and Tidal Analysis Programs for Automated Data Acquisition and Control Systems, by K. A. Turner and D. L. Durham (includes Appendixes A-G)	AD A142 679
MP HL-84-3	Sep 1984	Techniques to Reduce the Sediment Resuspension Caused by Dredging, by G. L. Raymond	AD A146 898

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP HL-84-4	Sep 1984	A Discussion of Adaptive Grids and Their Applicability in Numerical Hydrodynamic Modeling, by B. H. Johnson, J. F. Thompson, and A. J. Baker (includes Appendix A)	AD A151 843
MP HL-85-1	Feb 1985	An Experiment in Mixing and Interfacial Stress, by G. H. Keulegan (includes Appendix A)	AD A155 010
MP HL-85-2	Mar 1985	Investigation of Tidally Induced Turbulent Flow, by N. W. Scheffner (includes Appendixes A-D)	AD A157 841
MP HL-85-3	May 1985	Impact of Proposed Runway Extension at Little Rock Municipal Airport on Water-Surface Elevations and Navigation Conditions in Arkansas River, by J. P. Stewart, L. L. Daggett, and R. F. Athow (includes Appendixes A-E)	AD A155 588
MP HL-85-4	Sep 1985	Lockport Power Plant Sluice Gate and Control Works Discharge Evaluation, by E. D. Hart and R. G. McGee	AD A161 426
MP HL-85-5	Sep 1985	Development of an Adaptive Boundary-Fitted Coordinate Code for use in Coastal and Estuarine Areas, by J. F. Thompson and B. H. Johnson (includes Appendixes A-B)	AD A168 575
MP HL-85-6		Reevaluation of the Oliver Lock Replacement Project:	
	Sep 1985	Appendix B: Economics, by L. L. Daggett and Glenda Smith	AD A163 256
MP HL-85-7	Oct 1985	Ship Navigation Simulator Study, Upper Mobile Bay Channel, by C. J. Huval (includes Appendix A)	AD A164 915
MP HL-86-1		Alcatraz Disposal Site Investigation:	
	Mar 1986	Report 1 by M. J. Trawle and B. H. Johnson (includes Appendixes A-C)	AD 168 170
	Oct 1986	Report 2 North Zone Disposal of Oakland Outer Harbor and Richmond Inner Harbor Sediments, by M. J. Trawle	AD A174 609
	May 1987	Report 3 San Francisco Bay-Alcatraz Disposal Site Erodibility, by A. M. Teeter (includes Appendixes A-C)	AD A181 837
MP HL-86-2	Apr 1986	Pressure Calculation for Two-Dimensional Flow Inside Hydraulic Structures, by R. S. Bernard (includes Appendixes A-B)	AD A169 039
MP HL-86-3	May 1986	Proceedings: CE Workshop on Design and Operation of Selective Withdrawal Intake Structures (includes Appendix A)	AD A169 370
MP HL-86-4	Jul 1986	St. Lucie Canal and Estuary Sedimentation Study; Mathematical Model Investigation, by D. T. Williams, J. J. Ingram, and W. A. Thomas	AD A171 830
MP HL-86-5	Aug 1986	Puget Sound Generic Dredged Material Disposal Alternatives, by M. J. Trawle and B. H. Johnson	AD A173 309

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP HL-86-6	Sep 1986	St. Stephen Powerhouse Tailrace Velocity Measurement, by T. L. Fagerburg	AD A172 900
MP HL-86-7	Sep 1986	Estuary Model Test Evaluation, by M. J. Brogdon, Jr.	AD A173 403
MP HL-87-1	Apr 1987	Reanalysis of Beach Erosion Board Technical Memorandum No. 94, by E. C. McNair, Jr. (includes Appendixes A-G)	AD A182 243
MP HL-87-2		A Numerical Model Analysis of Mississippi River Passes Navigation Channel Improvements:	
	Jun 1987	Report 1 55-Foot Channel Tests, by D. R. Richards and M. J. Trawle	AD A199 646
	Sep 1988	Report 2 45-Foot Channel Tests and Flow Diversion Schemes, by D. R. Richards and M. J. Trawle	AD A199 647
	Sep 1988	Report 3 Bank Breaching Without Supplement 2, by D. R. Richards and M. J. Trawle	AD A199 448
	Sep 1988	Report 5 Three-Dimensional Numerical Model Results, by D. R. Richards and D. P. Bach	AD A200 477
MP HL-87-4	Aug 1987	Scour Protection for Dam No. 3, Monongahela River, Pennsylvania; Hydraulic Model Investigation, by R. L. Stockstill	AD A185 441
MP HL-87-5	Sep 1987	Methods for Reducing Computational Costs of Typical Finite Element Unsteady Hydrodynamic Models, by A. J. Baker, P. D. Manhardt and B. H. Johnson	AD A185 499
MP HL-87-6	Oct 1987	Scour Protection for Pike Island Dam, Ohio River; Hydraulic Model Investigation, by J. E. Hite, Jr.	AD A180 480
MP HL-88-1	Mar 1988	Lock Hydraulic System Model and Prototype Study Data; Corps of Engineers Projects 1937-1984, by E. B. Pickett and F. M. Neilson	AD A193 551
MP HL-88-2	Mar 1988	Nomographic Riprap Design, by A. J. Reese (includes Appendix A)	AD A195 328
MP HL-88-3	Apr 1988	Scour Protection for Dam No. 7, Monongahela River, Pennsylvania; Hydraulic Model Investigation, by T. E. Murphy, Jr., and J.E. Hite, Jr.	AD A194 388
MP HL-88-4	Jun 1988	Levee Design Profiles for the Williamson, West Virginia, Flood Protection Project, by D. T. Williams (includes Appendixes A-C)	AD A196 208
MP HL-88-5	Aug 1988	Air Demand and Conduit Pressures, Stillhouse Hollow Dam, Lampasas River, Texas, by E. D. Hart	AD A199 358
MP HL-88-6	Aug 1988	Evaluation of Release Improvement Techniques for J. Percy Priest Reservoir, by R. E. Price (includes Appendix A)	AD A198 985
MP HL-88-7	Aug 1988	Jefferson Barracks Bridge; Movable-Bed Model Study, by J. E. Foster (includes Appendixes A-C)	AD A199 359

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP HL-88-8	Sep 1988	Field Investigation of New Haven Harbor, Connecticut, by T. S. Dozier	AD A199 747
MP HL-88-9	Sep 1988	Feasibility of Sand Bypassing Systems for Reducing Maintenance Dredging in the St. Marys River Entrance Channel, by D. R. Richards and J. E. Clausner	AD A200 476
MP HL-88-10	Oct 1988	Cypress Creek Sediment Impact Assessment, Summary Report; Numerical Model Investigation, by R. R. Copeland and W. A. Thomas	AD A200 475
MP HL-88-11	Nov 1988	Sardis Lower Lake Rock Weir; Hydraulic Model Investigation, by D. R. Cooper	AD A203 525
MP HL-89-1	Apr 1989	Lower Granite Fish Guidance Efficiency Study, Snake River, Washington; Hydraulic Model Investigation, by R. A. Davidson	AD A207 056
MP HL-89-2	Jun 1989	Hydraulic Analyses of J. Strom Thurmond Reservoir Headwaters, by M. L. Schneider (includes Appendixes A-B)	AD A210 184
MP HL-89-3	Jul 1989	Evaluation of Bank Erosion Potential, Clifton, Arizona; Numerical Model Investigation, by R. R. Copeland and W. A. Thomas	AD A210 957
MP HL-89-4	Aug 1989	Scour Protection for Morgantown Dam, Monongahela River, West Virginia; Hydraulic Model Investigation, by J. E. Hite, Jr.	AD A212 483
MP HL-89-5	Sep 1989	Hydraulic Design of Navigation Locks, by J. P. Davis (includes Appendixes A-C)	AD A213 174
MP HL-89-6	Sep 1989	LaCueva Arroyo Inlet, Albuquerque, New Mexico, by C. H. Tate, Jr.	AD A213 497
MP HL-89-7	Sep 1989	Schematic Numerical Modeling of Harbor Deepening Effects on Sedimentation, Charleston, South Carolina, by A. M. Teeter and Walter Pankow (includes Appendixes A-F)	AD A216 316
MP HL-89-8	Nov 1989	Phase I Model Study Results, Copeland Cut Reach, St. Lawrence River; Numerical Model Investigation, by R. E. Heath	AD A215 699
MP HL-90-1	Jan 1990	Nonconnah Creek Sedimentation Study; Analysis Using A Numerical Modeling Approach, by W. A. Thomas	AD A217 876

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TR HL-79-1		Newburyport Harbor, Massachusetts:	
	Feb 1979	Report 1 Design for Wave Protection and Erosion Control, by C. R. Curren and C. E. Chatham, Jr. (includes Appendix A)	AD A066 361
	Mar 1985	Report 2 Design for Hydrodynamics, Salinity, and Sedimentation; Hydraulic Model Investigation, by N. J. Brogdon, Jr., and D. M. White	AD A157 046
TR HL-79-2	Feb 1979	A Numerical Model for Tsunami Inundation, by J. R. Houston and H. L. Butler (includes Appendix A)	AD A065 090
TR HL-79-3	Mar 1979	Navigation Conditions at John H. Overton Lock and Dam, Red River; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A068 212
TR HL-79-4	Mar 1979	Kissimmee River Structures, Central and Southern Florida Flood Control Project; Hydraulic Model Investigation, by H. O. Turner, Jr., and G. A. Pickering	AD A067 296
TR HL-79-5	Mar 1979	Shoaling in Harbor Entrances; Hydraulic Model Investigation, by B. K. Melton and J. J. Franco	AD A068 213
TR HL-79-6	Mar 1979	Outlet Works for Cerrillos Dam, Cerrillos River, and Portugues Dam, Portugues River, Puerto Rico; Hydraulic Model Investigation, by J. F. George	AD A068 214
TR HL-79-7	Mar 1979	Navigation Conditions on the Lower Cumberland River, Kentucky; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A068 618
TR HL-79-8	May 1979	Prototype Gate Vibration Tests, Barkley Dam, Cumberland River, Kentucky, by E. D. Hart and J. E. Hite, Jr.	AD A071 572
TR HL-79-9	May 1979	Vortex Problem at Intake, Lower St. Anthony Falls Lock and Dam, Mississippi River, Minneapolis, Minnesota; Hydraulic Model Investigation, by J. H. Ables, Jr.	AD A072 918
TR HL-79-10	Jun 1979	Lake Chicot Pumping Plant Outlet Structure, Arkansas; Hydraulic Model Investigation, by E. D. Rothwell and B. P. Fletcher	AD A073 655
	Nov 1979	Errata Sheet No. 1	
TR HL-79-11	Jul 1979	Sensitivity of Base Data in the Analysis of Lock Capacity: A Case Study of Locks and Dam 26, Mississippi River, by L. L. Daggett (includes Appendixes A-C)	AD A074 584
TR HL-79-12		Mayport-Mill Cove Model Study:	
	Jul 1979	Report 1 Hydraulic, Salinity, and Shoaling Verification; Hydraulic Model Investigation, by N. J. Brogdon, Jr.	AD A073 601
	Aug 1979	Report 2 Mayport Naval Basin Study; Hydraulic Model Investigation, by N. J. Brogdon, Jr.	AD A077 046

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TR HL-79-12 (Cont'd)		Mayport-Mill Cove Model Study: (Cont'd)	
	Sep 1979	Report 3 Mill Cove Study; Hydraulic Model Investigation, by N. J. Brogdon, Jr., and J. W. Parman	AD A078 701
TR HL-79-13	Aug 1979	Floating Breakwater Wave-Attenuation Tests for East Bay Marina, Olympia Harbor, Washington; Hydraulic Model Investigation, by R. D. Carver	AD A075 779
TR HL-79-14	Aug 1979	Navigation Conditions at Lock and Dam 53, Ohio River, Kentucky and Illinois; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A074 473
TR HL-79-15	Sep 1979	San Juan National Historic Site, San Juan, Puerto Rico; Design for Prevention of Wave-Induced Erosion; Hydraulic Model Investigation, by R. R. Bottin, Jr. (includes Appendixes A-B)	AD A075 777
* TR HL-79-16	Sep 1979	Placed-Stone Stability Tests, Tillamook, Oregon; Hydraulic Model Investigation, by D. G. Markle and D. D. Davidson (includes Appendix A)	AD B041 737L
TR HL-79-17	Nov 1979	Navigation Conditions at the Upstream Approach to Lock and Dam No. 3, Mississippi River; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A077 521
TR HL-79-18	Nov 1979	Carquinez Strait, California, Salinity Barrier Calibration Study; Hydraulic Model Investigation, by R. C. Berger, Jr. (includes Appendixes A-B)	AD A078 651
TR HL-79-19	Oct 1979	Navigation Conditions at Locks and Dam 26, Mississippi River; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A077 529
TR HL-79-20	Nov 1979	Model Study of Harry S. Truman Spillway, Osage River, Missouri; Hydraulic Model Investigation, by G. A. Pickering and D. B. Murray	AD A081 818
TR HL-79-21	Dec 1979	Modifications to Filling and Emptying System of Lock No. 1, Mississippi River, Minneapolis, Minnesota; Hydraulic Model Investigation, by J. H. Ables, Jr.	AD A083 327
TR HL-80-1	Jan 1980	Effects of First Underlayer Weight on the Stability of Stone-Armored, Rubble-Mound Breakwater Trunks Subjected to Nonbreaking Waves with No Overtopping; Hydraulic Model Investigation, by R. D. Carver (includes Appendix A)	AD A081 515
TR HL-80-3		Erosion Control of Scour During Construction:	
	Mar 1980	Report 1 Present Design and Construction Practice, by L. Z. Hales	AD A082 636
	Aug 1980	Report 2 Literature Survey of Theoretical, Experimental and Prototype Investigations, by L. Z. Hales (includes Appendix A)	AD A088 893
	Sep 1980	Report 3 Experimental Measurements of Refraction, Diffraction, and Current Patterns Near Jetties, by L. Z. Hales	AD A092 712

* Statement B. See Preface.

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TR HL-80-3 (Cont'd)		Erosion Control of Scour During Construction: (Cont'd)	
	Jun 1983	Report 4 Stability of Underlayer Material Placed in Advance of Construction to Prevent Scour; Hydraulic Model Investigation, by L. Z. Hales and J. R. Houston (includes Appendixes A-C)	AD A135 945
	Sep 1984	Report 5 Experimental Measurements of Refraction and Diffraction Downcoast of an Oblique Breakwater, by L. Z. Hales (includes Appendixes A-B)	AD A149 743
	Sep 1984	Report 6 FINITE -- A Numerical Model for Combined Refraction and Diffraction of Waves, by J. R. Houston and L. W. Chou (includes Appendix A)	AD A149 467
	Sep 1984	Report 7 CURRENT -- A Wave-Induced Current Model, by S. R. Vemulakonda (includes Appendix A)	AD A148 102
	Jan 1985	Report 8 Summary Report, by L. Z. Hales (includes Appendix A)	AD A153 808
TR HL-80-4	Mar 1980	Selective Withdrawal Riser for Sutton Dam, West Virginia; Hydraulic Model Investigation, by J. F. George, M. S. Dortch, and C. H. Tate, Jr.	AD A083 632
TR HL-80-5	Apr 1980	Bald Eagle Creek and Little Juniata River Channel Improvement Project; Hydraulic Model Investigation, by J. F. George	AD A085 242
TR HL-80-6	Mar 1980	Pumping Station for Teche-Vermilion Basins, Atchafalaya River, Louisiana; Hydraulic Model Investigation, by P. E. Saunders and B. P. Fletcher	AD A085 244
TR HL-80-7	May 1980	Seabrook Lock Complex, Lake Pontchartrain, La., Design for Wave Protection at Lock Entrance; Hydraulic Model Investigation, by R. R. Bottin, Jr., and K. A. Turner (includes Appendixes A-B)	AD A086 819
TR HL-80-8	Jun 1980	Seabrook Lock Complex, Lake Pontchartrain, Louisiana; Design for Wave Protection at a Temporary Entrance During Various Phases of Lock Construction; Hydraulic Model Investigation, by R. R. Bottin, Jr.	AD A086 878
TR HL-80-9	Jun 1980	Littoral Processes Study, Vicinity of Santa Ana River Mouth from Anaheim Bay to Newport Bay, California, by L. Z. Hales (includes Appendixes A-K)	AD A086 120
TR HL-80-10	Jun 1980	Oceanside Harbor and Beach, California, Design of Structures for Harbor Improvement and Beach Erosion Control; Hydraulic Model Investigation, by C. R. Curren and C. E. Chatham, Jr. (includes Appendixes A-B)	AD A088 587
TR HL-80-11		Wave Information Study for U. S. Coastlines:	
	Jul 1980	Report 1 Surface Pressure Field Reconstruction for Wave Hindcasting Purposes, by W. D. Corson, D. T. Resio, and C. L. Vincent (includes Appendixes A-C)	AD A089 150

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR HL-80-12	Jul 1980	Utilization of Filter Fabric for Streambank Protection Applications, by M. P. Keown and E. A. Dardeau, Jr. (includes Appendixes A-C)	AD A090 821
TR HL-80-13	Aug 1980	Prototype Filling and Emptying System Measurements, New Bankhead Lock, Black Warrior River, Alabama, by A. R. Tool (includes Appendixes A-B)	AD A088 896
TR HL-80-14	Aug 1980	Hurricane Surge Stage-Frequency Analysis for Dade County, Florida, by C. E. Abel (includes Appendix A)	AD A089 735
TR HL-80-15	Aug 1980	Spillway for Cooper Dam, Sulphur River, Texas; Hydraulic Model Investigation, by J. F. George	AD A091 237
TR HL-80-16	Sep 1980	Tsunami Elevation Predictions for American Samoa, by J. R. Houston (includes Appendixes A-C)	AD A090 275
TR HL-80-17	Sep 1980	Lock Approach Canal Surge and Tow Squat at Lock and Dam 17, Arkansas River Project; Mathematical Model Investigation, by C. J. Huval (includes Appendix A)	AD A090 595
TR HL-80-18	Sep 1980	Type 19 Flood Insurance Study: Tsunami Predictions for Southern California, by J. R. Houston (includes Appendixes A-B)	AD A091 657
TR HL-80-19	Sep 1980	McMillan Pumping Station, Washington, D. C.; Hydraulic Model Investigation, by G. R. Triplett	AD A090 276
TR HL-80-20	Dec 1980	Kaskaskia River Grade-Control Structure and Navigation Channel, Fayetteville, Illinois; Hydraulic Model Investigation, by J. L. Grace, Jr., and Potong Bhramayana	AD A096 201
TR HL-81-1	Mar 1981	Virden Creek Pumping Station and Gravity-Flow Outlet Structure, Waterloo, Iowa; Hydraulic Model Investigation, by E. D. Rothwell	AD A098 459
TR HL-81-2	Mar 1981	Sidewall Forces on Richard B. Russell Flip Bucket Spillway, Savannah River; Hydraulic Model Investigation, by B. P. Fletcher	AD A098 396
TR HL-81-3	Apr 1981	Channel Control Structures for Souris River, Minot, North Dakota; Hydraulic Model Investigation, by P. A. Saunders and J. L. Grace, Jr.	AD A100 372
TR HL-81-4	Apr 1981	Fixed-Cone Valves, New Melones Dam, California; Hydraulic Model Investigation, by S. T. Maynard and J. L. Grace, Jr. (includes Appendix A)	AD A099 595
TR HL-81-5	Apr 1981	Rubble-Mound Breakwater Stability and Wave-Attenuation Tests, Port Ontario Harbor, New York; Hydraulic Model Investigation, by R. D. Carver and D. G. Markle	AD A099 309
TR HL-81-6	Sep 1981	Flood Control and Irrigation Outlet Works and Tailrace Channel for New Melones Dam, Stanislaus River, California; Hydraulic Model Investigation, by S. T. Maynard	AD A105 861
TR HL-81-7	Aug 1981	Navigation Conditions at McAlpine Locks and Dam, Ohio River; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A107 734

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TR HL-81-9	Sep 1981	Investigation of Release Temperatures for Kinzua Dam, Allegheny River, Pennsylvania; Hybrid Model Investigation, by M. S. Dortch (includes Appendix A)	AD A106 974
	Nov 1981	Errata Sheet No. 1	
TR HL-81-10	Sep 1981	Lock Culvert Valve Loss Coefficients; Hydraulic Laboratory Investigation, by G. A. Pickering	AD A107 735
TR HL-81-11	Sep 1981	Breakwater and Revetment Stability Study, San Juan National Historic Site, San Juan, Puerto Rico; Hydraulic Model Investigation, by D. G. Markle (includes Appendix A)	AD A108 120
TR HL-81-12	Oct 1981	Evaluation of In-Reservoir Cofferdam on Richard B. Russell Reservoir and Hydropower Releases; Hybrid Model Investigation, by D. R. Smith, J. P. Holland, Bruce Loftis, and C. H. Tate, Jr.	AD A108 895
TR HL-81-13	Nov 1981	Grays Landing Spillway and Stilling Basin, Monongahela River, Pennsylvania; Hydraulic Model Investigation, by E. D. Rothwell, N. R. Oswalt, and S. T. Maynard	AD A109 645
TR HL-81-14	Dec 1981	Verification of the Chesapeake Bay Model; Chesapeake Bay Hydraulic Model Investigation, by N. W. Scheffner, L. G. Crosby, D. F. Bastian, A. M. Chambers, and M. A. Granat (includes Appendixes A-D)	AD A111 812
TR HL-82-1	Jan 1982	Cache River Pumping Station, South of Mound City, Illinois; Hydraulic Model Investigation, by E. D. Rothwell and B. P. Fletcher	AD A112 700
TR HL-82-2		Lake Pontchartrain and Vicinity Hurricane Protection Plan:	
	Jan 1982	Report 1 Prototype Data Acquisition and Analysis, by D. G. Outlaw (includes Appendixes A-E)	AD A112 996
	Jun 1982	Report 2 Physical and Numerical Model Investigation of Control Structures and the Seabrook Lock; Hydraulic and Mathematical Model Investigation, by H. L. Butler, R. C. Berger, L. L. Daggett, and T. F. Berninghausen	AD A120 162
	Oct 1983	Report 3 Numerical Model Investigation of Plan Impact on the Tidal Prism of Lake Pontchartrain, by H. L. Butler (includes Appendixes A-B)	AD A139 839
TR HL-82-3	Jan 1982	Low Freshwater Inflow Study; Chesapeake Bay Hydraulic Model Investigation, by D. R. Richards and L. F. Gulbrandsen	AD A112 215
	Mar 1982	Errata Sheet No. 1	
TR HL-82-4	Feb 1982	Pollution Control Facilities Project, Southeastern Oakland County Sewage Disposal System, Oakland County, Michigan; Hydraulic Model Investigation, by R. R. Copeland	AD A112 647
TR HL-82-5	Feb 1982	Baltimore Harbor and Channels Deepening Study; Chesapeake Bay Hydraulic Model Investigation, by M. A. Granat and L. F. Gulbrandsen	AD A114 283

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR HL-82-6	Feb 1982	Development and Maintenance of Typical Navigation Channel, Red River; Hydraulic Model Investigation, by J. E. Foster, C. R. O'Dell, and J. J. Franco	AD A112 567
TR HL-82-7		Dredging: An Annotated Bibliography on Operations, Equipment, and Processes	AD A116 362
	Mar 1982	Installment 1	AD 137 453
	Dec 1983	Installment 2	
	1985	Installment 3	AD A157 539
TR HL-82-8	Apr 1982	Pumping Performance and Turbidity Generation of Model 600/100 PNEUMA Pump; Main Text and Appendixes A and B, by T. W. Richardson, J. E. Hite, Jr., R. A. Schafer, and J. D. Ethridge, Jr.	AD A117 854
	Apr 1982	Appendix C	AD A117 146
TR HL-82-9	Apr 1982	Effects of Storage Reallocation on Thermal Characteristics of Cowanesque Lake, Pennsylvania; Numerical Model Investigation, by J. P. Holland (includes Appendixes A-B)	AD A118 007
TR HL-82-10	May 1982	Model-Prototype Comparison Study of Dike Systems, Mississippi River; Potamology Investigations, by J. J. Franco	AD A120 713
TR HL-82-11	May 1982	Summary Report: Model-Prototype Comparison Study of Dike Systems, Mississippi River; Potamology Investigations, by J. J. Franco	AD A120 144
TR HL-82-12	Apr 1982	Norfolk Lake, Arkansas, Temperature Analysis; Mathematical Model Investigation, by J. P. Holland, M. S. Dortch, and D. R. Smith (includes Appendix A)	AD A117 670
TR HL-82-13	Jun 1982	Blue Waters Ditch Pumping Station, East St. Louis, Illinois; Hydraulic Model Investigation, by S. T. Maynard	AD A119 311
TR HL-82-14	Jul 1982	Kahului Breakwater Stability Study, Kahului, Maui, Hawaii; Hydraulic Model Investigation, by D. G. Markle	AD A120 181
TR HL-82-15		The Atchafalaya River Delta:	
		Report 2 Field Data; Section 1: Atchafalaya Bay Program Description and Data:	
	Jun 1988	Volume I Main Text, by C. J. Coleman, A. M. Teeter, B. P. Donnell, et al.	AD A197 560
	Jun 1988	Volume II Appendixes A through D, by C. J. Coleman, A. M. Teeter, B. P. Donnell, et al.	AD A198 080
	Sep 1989	Report 2 Field Data, Section 2: Settling Characteristics of Bay Sediments, by A. M. Teeter and Walter Pankow (includes Appendix A)	
	Jul 1982	Report 3 Extrapolation of Delta Growth, by J. V. Letter, Jr.	AD A120 778

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TR HL-82-15 (Cont'd)		The Atchafalaya River Delta: (Cont'd)	
	Jan 1984	Report 4 Generic Analysis of Delta Development, by J. T. Wells, S. J. Chinburg, and J. M. Coleman (includes Appendixes A-B)	AD A140 446
	Dec 1988	Report 5 The Atchafalaya River Delta Quasi-Two-Dimensional Model of Delta Growth and Impacts on River Stages, by W. A. Thomas, R. E. Heath, J. P. Stewart, and D. G. Clark	AD A204 516
	Jul 1984	Report 6 Interim Summary Report of Growth Predictions, by W. H. McAnally, Jr., W. A. Thomas, J. V. Letter, Jr., and J. P. Stewart	AD A144 647
	Sep 1985	Report 7 Analytical Analysis of the Development of the Atchafalaya River Delta, by F. C. Wang (includes Appendixes A-E)	AD A164 931
	Jan 1985	Report 8 Numerical Modeling of Hurricane-Induced Storm Surge, by B. A. Ebersole	AD A152 817
	Jan 1985	Report 9 Wind Climatology, by B. A. Ebersole	AD A152 818
	Mar 1985	Report 10 Wave Hindcasts--Main Text and Appendices A and B, by R. E. Jensen	AD A156 693
	Mar 1985	Appendix C Wave Hindcast Information for Stations 1-10, by R. E. Jensen	AD A157 075
TR HL-82-16	Jul 1982	Prevention of Shoaling at Little Lake Harbor, Michigan; Hydraulic Model Investigation, by W. C. Seabergh and J. W. McCoy	AD A120 776
TR HL-82-17	Aug 1982	Design for Wave Protection and Prevention of Shoaling, Geneva-on-the-Lake Small-Boat Harbor, Ohio; Hydraulic Model Investigation, by R. R. Bottin, Jr.	AD A120 823
TR HL-82-18	Aug 1982	Design for Flood Control, Wave Protection, and Prevention of Shoaling, Rogue River, Oregon; Hydraulic Model Investigation, by R. R. Bottin, Jr.	AD A120 826
	Jun 1983	Appendix B Results of Additional Tests, by R. R. Bottin, Jr.	AD A131 819
TR HL-82-19	Aug 1982	Kahoma Stream Channel Improvement Project, Maui, Hawaii; Hydraulic Model Investigation, by J. F. George	AD A120 777
TR HL-82-20	Aug 1982	Development of a Numerical Modeling Capability for the Computation of Unsteady Flow on the Ohio River and Its Major Tributaries, by B. H. Johnson	AD A121 283
TR HL-82-21	Sep 1982	Pointe Coupee Pumping Station Siphon, Upper Pointe Coupee Loop Area, Louisiana; Hydraulic Model Investigation, by R. R. Copeland	AD A120 159
TR HL-82-22	Sep 1982	South Fork Tillatoba Creek Drop Structures, Mississippi; Hydraulic Model Investigation, by J. E. Hite, Jr., and G. A. Pickering	AD A121 274
TR HL-82-23	Sep 1982	McGee Creek Pumping Station Siphon, Pike County, Illinois; Hydraulic Model Investigation, by R. R. Copeland	AD A121 948

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TR HL-82-24	Oct 1982	Los Esteros Spillway, Pecos River, New Mexico; Hydraulic Model Investigation, by B. P. Fletcher	AD A121 993
TR HL-82-25	Oct 1982	Channel Widths in Bends and Straight Reaches Between Bends for Push Towing; Hydraulic Model Investigation, by L. J. Shows and J. J. Franco	AD A122 334
TR HL-82-26	Nov 1982	Revetment Stability Study, Fort Fisher State Historic Site, North Carolina; Hydraulic Model Investigation, by D. G. Markle	AD A123 754
TR HL-83-1	Jan 1983	Numerical Modeling of Explosion Waves, by J. R. Houston and L. W. Chou (includes Appendixes A-C)	AD A125 322
TR HL-83-2	Feb 1983	Fixed-Cone Valve Prototype Tests, New Melones Dam, California, by T. L. Fagerburg (includes Appendix A)	AD A129 444
TR HL-83-3	Mar 1983	Pointe Coupee Pumping Station Sump and Outlet Structure, Upper Pointe Coupee Loop Area, Louisiana; Hydraulic Model Investigation, by R. R. Copeland	AD A128 517
TR HL-83-4	Mar 1983	Survey of Portable Hydraulic Dredges, by G. R. Clark (includes Appendixes A-B)	AD A131 454
TR HL-83-5	Mar 1983	Weir Jetty Performance: Hydraulic and Sedimentary Considerations; Hydraulic Model Investigation, by W. C. Seabergh (includes Appendixes A-B)	AD A129 508
TR HL-83-6	Mar 1983	Cleveland Harbor, Ohio, Design for the Safe and Efficient Passage of 1,000-ft-Long Vessels at the West (Main) Entrance; Hydraulic Model Investigation, by R. R. Bottin, Jr. (includes Appendixes A-B)	AD A129 783
TR HL-83-7	Apr 1983	Big Creek Flood-Control Project, Cleveland, Ohio; Hydraulic Model Investigation, by G. A. Pickering	AD A130 780
TR HL-83-8		Mississippi Sound Wave-Hindcast Study, by R. E. Jensen	
	Apr 1983	Main Text and Appendices A and B	AD A133 339
	Apr 1983	Appendices C and D	AD A133 340
	Apr 1983	Appendices E Through G	AD A133 341
TR HL-83-9	Jun 1983	Bloomington Spillway, North Branch Potomac River, Maryland and West Virginia; Hydraulic Model Investigation, by B. P. Fletcher	AD A131 298
TR HL-83-10	Jun 1983	Functional Design of Control Structures for Oregon Inlet, North Carolina; Hydraulic Model Investigation, by N. W. Hollyfield, J. W. McCoy, and W. C. Seabergh	AD A131 999
	Mar 1985	Errata Sheet No. 1	
TR HL-83-11	Jul 1983	Edgewater Marina, Cleveland, Ohio, Design for Wave Protection; Hydraulic Model Investigation, by R. R. Bottin, Jr., and H. F. Acuff, Jr. (includes Appendix A)	AD A131 998

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TR HL-83-12	Aug 1983	Barkley Dam Spillway Tainter Gate and Emergency Bulkheads, Cumberland River, Kentucky; Hydraulic Model Investigation, by J. E. Hite, Jr., and G. A. Pickering, Jr.	AD A132 661
TR HL-83-13		Norfolk Harbor and Channels Deepening Study:	
	Jun 1983	Report 1 Physical Model Results; Chesapeake Bay Hydraulic Model Investigation, by D. R. Richards and M. R. Morton	AD A134 563
	Mar 1985	Report 2 Sedimentation Investigation; Chesapeake Bay Hydraulic Model Investigation, by R. C. Berger, Jr., S. B. Heltzel, R. F. Athow, Jr., et al. (includes Appendix A)	AD A154 978
TR HL-83-14	Jun 1983	Wave Data Acquisition and Hindcast for Saginaw Bay, Michigan, by A. W. Garcia and R. E. Jensen (includes Appendixes A-B)	AD A133 392
TR HL-83-15	Jun 1983	Design for Prevention of Beach Erosion at Presque Isle Beaches, Erie, Pennsylvania; Hydraulic Model Investigation, by W. C. Seabergh	AD A135 394
TR HL-83-16		Columbia River Estuary Hybrid Model Studies:	
	Sep 1983	Report 1 Verification of Hybrid Modeling of the Columbia River Mouth, by W. H. McAnally, Jr., N. J. Brogdon, Jr., and J. V. Letter, Jr. (includes Appendixes A-C)	AD A134 978
	Sep 1983	Report 4 Entrance Channel Tests, by W. H. McAnally, Jr., N. J. Brogdon, and J. P. Stewart	AD A134 581
TR HL-83-17	Jun 1983	Mission Bay Harbor, California, Design for Wave and Surge Protection and Flood Control; Hydraulic Model Investigation, by C. R. Curren (includes Appendixes A-C)	AD A135 371
TR HL-83-18	Sep 1983	Breakwater Stability Study, Mission Bay, California; Hydraulic Model Investigation, by D. G. Markle (includes Appendixes A-B)	AD A137 468
TR HL-83-19	Oct 1983	Smithland Locks and Dam, Ohio River; Hydraulic Model Investigation, by J. J. Franco and T. J. Pokrefke, Jr.	AD A137 178
TR HL-83-20	Nov 1983	Shoaling Conditions in Lock and Dam 13 Pool, Arkansas River; Hydraulic Model Investigation, by J. E. Foster, C. M. Noble, and J. E. Glover	AD A143 747
TR HL-83-21	Sep 1983	Nawiliwili Breakwater Stability Study, Nawiliwili Harbor, Kauai, Hawaii; Hydraulic Model Investigation, by D. J. Markle and C. R. Herrington (includes Appendix A)	AD A140 551
TR HL-84-1	Feb 1984	R. D. Bailey Outlet Works, Guyandot River, West Virginia; Hydraulic Model Investigation, by J. E. Hite, Jr.	AD A139 291
TR HL-84-2	Mar 1984	Prototype Evaluation of Sluiceway Aeration System, Libby Dam, Kootenai River, Montana, by R. G. McGee	AD A142 815
TR HL-84-3	Mar 1984	Riprap Protection on Navigable Waterways, by S. T. Maynard	AD A143 303 AD A144 069

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TR HL-84-4		Old River Diversion, Mississippi River:	
	Apr 1984	Report 3 Barge Barrier Study; Hydraulic Model Investigation, by C. R. Nickles and T. J. Pokrefke, Jr.	AD A142 221
	Apr 1989	Report 4 Outflow Channel Investigations; Hydraulic Model Investigation, by C. R. Nickles and T. J. Pokrefke, Jr.	AD A207 019
TR HL-84-5	Apr 1984	21st Street Pumping Station, Bettendorf, Iowa; Hydraulic Model Investigation, by R. R. Copeland	AD A142 186
TR HL-84-6	Jul 1984	Agitation Dredging: Lessons and Guidelines from Past Projects, by T. W. Richardson (includes Appendixes A-B)	AD A150 146
TR HL-84-7	Aug 1984	Fixed-Cone Valve Prototype Tests, Final Series, New Melones Dam, California, by T. L. Fagerburg (includes Appendix A)	AD A148 939
TR HL-84-8	Sep 1984	Filling and Emptying System, Walter Bouldin Lock, and Lock Culvert Valve for Coosa River Waterway, Alabama; Hydraulic Model Investigation, by J. F. George	AD A149 670
TR HL-84-9	Nov 1984	A Technique to Optimally Locate Multilevel Intakes for Selective Withdrawal Structures, by M. S. Dortch and J. P. Holland (includes Appendix A)	AD A150 047
TR HL-84-10	Dec 1984	Dimensions for Safe and Efficient Deep-Draft Navigation Channels; Hydraulic Model Investigation, by H. O. Turner, Jr.	AD A151 619
TR HL-84-11	Dec 1984	Navigation Conditions in Vicinity of Walter Bouldin Lock and Dam, Coosa River Project; Hydraulic Model Investigation, by C. M. Myrick and J. J. Franco	AD A150 879
	Mar 1985	Errata Sheet No. 1	
TR HL-84-12	Dec 1984	Navigation Conditions at Mitchell Lock and Dam, Coosa River, Alabama; Hydraulic Model Investigation, by C. M. Myrick	AD A150 857
TR HL-85-1	Mar 1985	General Spillway Investigation; Hydraulic Model Investigation, by S. T. Maynard	AD A156 686
TR HL-85-2	Mar 1985	Buck Island Reach, Mississippi River; Hydraulic Model Investigation, by C. R. Nickles, T. J. Pokrefke, Jr., and J. E. Glover	AD A156 217
TR HL-85-3	Apr 1985	Reverification of the Chesapeake Bay Model; Chesapeake Bay Hydraulic Model Investigation, by M. A. Granat, J. F. Gulbrandsen, and V. R. Pankow (includes Appendixes A-D)	AD A155 486
TR HL-85-4	Jun 1985	Ship Simulation Study of John F. Baldwin (Phase II) Navigation Channel, San Francisco Bay, California, by Carl Huval, Bradley Comes, and R. T. Garner III (includes Appendix A)	AD A157 076
TR HL-85-5	Sep 1985	Spectral Analysis of Columbia River Estuary Currents, by B. P. Donnell and W. H. McAnally, Jr. (includes Appendix A)	AD A161 609

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	Jan 1986	Report 2 Shoaling and Hydraulic Investigations in Southwest Pass; Hydraulic Model Investigation, by H. A. Benson and R. A. Boland, Jr. (includes Appendix A)	AD A166 777
TR HL-86-2	May 1986	Mill Creek Channel, Walla Walla, Washington; Hydraulic Model Investigation, by D. W. Robinson and R. R. Copeland	AD A169 608
TR HL-86-3	May 1986	Riprap Stability and Navigation Tests for the Divide-Cut Section, Tennessee-Tombigbee Waterway; Hydraulic Model Investigation, by S. T. Maynard and N. R. Oswalt	AD A170 323
TR HL-86-4	Jun 1986	Burlington Spillway and Outlet Works, Souris River, North Dakota; Hydraulic Model Investigation, by J. V. Markussen and N. R. Oswalt	AD A171 752
TR HL-86-5	Jun 1986	Little Sioux Control Structure, Little Sioux River, Iowa; Hydraulic Model Investigation, by J. E. Hite, Jr.	AD A171 592
TR HL-86-6	Jun 1986	Lock and Dam 1, Red River Waterway; Hydraulic Model Investigation, by J. E. Foster, C. R. O'Dell, and J. E. Glover	AD A171 594
TR HL-86-7	Dec 1986	Sheldrake River Tunnel, Mamaroneck, New York; Hydraulic Model Investigation, by C. H. Tate, Jr.	AD A181 888
TR HL-86-8	Oct 1986	McGee Creek Pumping Station Sump, Pike County, Illinois; Hydraulic Model Investigation, by G. R. Triplett	AD A174 884
TR HL-86-9	Nov 1986	Selective Withdrawal Riser for Cave Run Lake, by S. T. Maynard and C. H. Tate, Jr.	AD A175 375
TR HL-86-10	Dec 1986	San Lorenzo River Sedimentation Study; Numerical Model Investigation, by R. R. Copeland (includes Appendix A)	AD A176 812
TR HL-87-1	Apr 1987	A Mathematical Study of the Impact on Salinity Intrusion of Deepening the Lower Mississippi River Navigation Channel, by B. H. Johnson, M. B. Boyd and G. H. Keulegan	AD A180 835
TR HL-87-2	Apr 1987	Post-Pool Raise Spillway Prototype Test for Chief Joseph Dam, Columbia River, Washington, by T. L. Fagerburg	AD A180 043
TR HL-87-3	Apr 1987	Safe Navigation Speeds and Clearance at Lower Sill, Temporary Lock 52, Ohio River, by S. T. Maynard	AD A181 207
TR HL-87-4	Apr 1987	Scour Protection for Locks and Dams 2-10, Upper Mississippi River; Hydraulic Model Investigation, by J. V. Markussen and S. C. Wilhelms (includes Appendix A)	AD A181 889
TR HL-87-5	May 1987	Ship Navigation Simulator Study, Savannah Harbor Widening Project, Savannah, Georgia, by C. J. Hewlett, L. L. Daggett, and S. B. Heltzel (includes Appendixes A-D)	AD A182 222
TR HL-87-6	Sep 1987	Fine-Grained Sediments: An Annotated Bibliography on Their Dynamic Behavior in Aquatic Systems, by A. Teeter, S. Hodges, and C. Coleman	AD A188 349

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TR HL-87-7	May 1987	Bank Protection, Bass Location, Willamette River, Oregon; Hydraulic Model Investigation, by Randy A. McCollum, C. W. O'Neal, and J. E. Glover	AD A181 884
TR HL-87-8	May 1987	North Diversion Structure, Albuquerque, New Mexico; Hydraulic Model Investigation, by C. H. Tate, Jr. (includes Appendixes A-B)	AD A182 442
TR HL-87-9	May 1987	Channel Development in the Lower Reach of the Red River; Hydraulic Model Investigation, by J. E. Foster, C. R. O'Dell, and J. E. Glover	AD A182 441
TR HL-87-10	Oct 1987	Evaluation of Vertical Motion Sensors for Potential Application to Heave Correction in Corps Hydrographic Surveys, by G. C. Downing and T. L. Fagerburg (includes Appendix A)	AD A187 713
TR HL-87-11	Aug 1987	Isabella Dam Spillway, Kern River, California; Hydraulic Model Investigation, by W. G. Davis	AD A187 236
TR HL-87-12	Sep 1987	Technical Supplement to Dredged Material Disposal Study, US Navy Home Port, Everett, Washington, by S. A. Adamec, Jr., B. H. Johnson, A. M. Teeter, and M. J. Trawle	AD A186 968
TR HL-87-13	Sep 1987	Corpus Christi Inner Harbor Shoaling Investigation, by T. M. Smith, W. H. McAnally, Jr., and A. M. Teeter (includes Appendixes A-C)	AD A189 323
TR HL-87-14	Oct 1987	Walnut Creek Flood-Control Project, Contra Costa County, California; Hydraulic Model Investigation, by W. G. Davis	AD A187 714
TR HL-87-15	Oct 1987	Lift Gate for Lockport Lock, Illinois Waterway; Hydraulic Model Investigation, by D. R. Cooper	AD A188 380
TR HL-87-16	Dec 1987	Hurricane Protection Structure for London Avenue Outfall Canal, Lake Pontchartrain, New Orleans, Louisiana; Hydraulic Model Investigation, by J. R. Leech (includes Appendix A)	AD A189 348
TR HL-87-17	Dec 1987	Gallipolis Lock Intake Vortex Study, Ohio River; Hydraulic Model Investigation, by R. A. Davidson	AD A188 817
TR HL-88-1	Feb 1988	Hydrodynamic Forces on Tainter Gates and Stilling Basin, Old River Control Auxiliary Structure; Hydraulic Model Investigation, by B. P. Fletcher and J. L. Grace, Jr.	AD A192 262
TR HL-88-2	Feb 1988	Pumping Station Inflow--Discharge Hydraulics, Generalized Pump Sump Research Study, by B. P. Fletcher, G. R. Triplett, J. L. Grace, and J. J. Robertson (includes Appendix A)	AD A201 693
TR HL-88-3	Feb 1988	Sweetwater River Channel Improvement Project, San Diego County, California; Hydraulic Model Investigation, by H. O. Turner, Jr.	AD A194 791
TR HL-88-4	Mar 1988	Stable Riprap Size for Open Channel Flows, by S. T. Maynard (includes Appendix A)	AD A195 245
TR HL-88-5	Mar 1988	Old River Overbank Structure, Louisiana; Hydraulic Model Investigation, by J. L. Grace, Jr., N. R. Oswalt, and E. D. Rothwell	AD A194 978

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TR HL-88-7	Apr 1988	Pond Creek Pumping Station, Southwestern Jefferson County, Kentucky; Hydraulic Model Investigation, by B. P. Fletcher	AD A194 387
TR HL-88-8	Apr 1988	Lower James River Circulation Study, Virginia; Evaluation of Crane Island Enlargement Alternatives, by S. B. Heltzel and M. A. Granat (includes Appendixes A-C)	AD A194 439
TR HL-88-9	Apr 1988	Lake Darling Spillway, Souris River, North Dakota; Hydraulic Model Investigation, by D. R. Cooper	AD A196 086
TR HL-88-10	May 1988	Dynamic Loading on Sidewall Monoliths of a Spillway Stilling Basin; Hydraulic Model Investigation, by B. P. Fletcher and P. E. Saunders (includes Appendixes A-B)	AD A194 916
TR HL-88-11	May 1988	Muddy Creek Grade Control Structures, Muddy Creek, Mississippi and Tennessee; Hydraulic Model Investigation, by C. H. Tate, Jr.	AD A196 210
TR HL-88-12	Jun 1988	Steele Bayou Gravity Control Structure, Vicksburg, Mississippi; Hydraulic Model Investigation, by W. B. Fenwick	AD A197 649
TR HL-88-13	Jun 1988	Cinque Hommes, Jones Cutoff, Bois Brule, and Missouri Chute Pumping Stations; Perry County, Missouri, and Randolph County, Illinois; Hydraulic Model Investigation, by B. P. Fletcher	AD A197 699
TR HL-88-14	Jun 1988	Old River Control Auxiliary Structure; Hydraulic Model Investigation, by B. P. Fletcher and P. Bhramayana	AD A196 618
TR HL-88-15	Jun 1988	Red River Waterway Sedimentation Study Downstream from Lock and Dam No. 1; Numerical Model Investigation, by R. R. Copeland and W. A. Thomas	AD A196 885
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TR HL-88-18	Aug 1988	Sediment Transport in Hyperconcentrated Flows in Sand-Bed Streams of Volcanic Origin, by B. J. Brown (includes Appendixes A-D)	AD A200 192
TR HL-88-19	Aug 1988	Application of a Two-Dimensional Model of Hydrodynamics and Water Quality (CE-QUAL-W2) to Cordell Hull Reservoir, Tennessee, by S. E. Howington (includes Appendixes A-B)	AD A198 899

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TR HL-88-22	Sep 1988	Temperature Analysis, Howard A. Hanson Reservoir, Washington; Mathematical Model Investigation, by M. L. Schneider and R. E. Price (includes Appendixes A-C)	AD A200 228
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TR HL-88-27	Nov 1988	San Francisco Bay: Modeling System for Dredged Material Disposal and Hydraulic Transport, by V. R. Pankow (includes Appendixes A-B)	AD A200 469
TR HL-88-28	Dec 1988	Total Sediment Load Measurement Using Point-Source Suspended-Sediment Data, by J. J. Ingram (includes Appendixes A-D)	AD A201 648
TR HL-88-29	Nov 1988	Wax Lake Outlet Control Structure, Atchafalaya River; Hydraulic Model Investigation, by C. R. Nickles and T. J. Pokrefke, Jr.	AD A203 497
TR HL-89-1	Jan 1989	Submersible-Type Tainter Gate for Spillway, Marseilles Lock and Dam; Hydraulic Model Investigation, by D. R. Cooper	AD A204 592
TR HL-89-2	Feb 1989	West Access Channel Realignment, Atchafalaya River; Hydraulic Model Investigation, by C. R. Nickles and D. M. Maggio	AD A207 280
TR HL-89-3	Feb 1989	Effects of Cooper River Rediversion Flows on Shoaling Conditions at Charleston Harbor, Charleston, South Carolina, by A. M. Teeter (includes Appendixes A-E)	AD A205 454
TR HL-89-4	Mar 1989	Water Quality Outlet Works Prototype Tests, Warm Springs Dam, Dry Creek, Russian River Basin, Sonoma County, California, by T. L. Fagerburg, R. E. Price, and S. E. Howington	AD A207 058
TR HL-89-5	Apr 1989	Dutch Gulch Outlet Works, Cottonwood Creek, California; Hydraulic Model Investigation, by W. G. Davis	AD A208 037
TR HL-89-6	Apr 1989	Corte Madera Creek Sedimentation Study; Numerical Model Investigation, by R. R. Copeland and W. A. Thomas (includes Appendixes A-B)	AD A207 175

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TR HL-89-9	Apr 1989	Field Studies of Sediment Resuspension Characteristics of Selected Dredges, by T. N. McLellan, R. N. Havis, D. F. Hayes, and G. L. Raymond (includes Appendixes A-B)	AD A207 922
TR HL-89-10	May 1989	Navigation Conditions at Gallipolis Locks and Dam, Ohio River; Hydraulic Model Investigation, by L. J. Shows and R. T. Wooley	AD A209 400
TR HL-89-11	May 1989	Deposition and Erosion Testing on the Composite Dredged Material Sediment Sample from New Bedford Harbor, Massachusetts, by A. M. Teeter and Walter Pankow (includes Appendix A)	AD A208 990
TR HL-89-12	Jun 1989	Newport News Channel Deepening Study, Virginia; Numerical Model Investigation, by H.-C. J. Lin and W. D. Martin (includes Appendixes A-C)	AD A208 993
TR HL-89-13	Jul 1989	Intake Structure Operation Study, Lost Creek Dam, Oregon, by S. E. Howington (includes Appendixes A-B)	AD A210 588
TR HL-89-14	Jul 1989	Verification of the Hydrodynamic and Sediment Transport Hybrid Modeling System for Cumberland Sound and Kings Bay Navigation Channel, Georgia, by M. A. Granat, N. J. Brogdon, J. T. Cartwright, and W. H. McAnally, Jr. (includes Appendixes A-F)	AD A211 045
TR HL-89-15	Aug 1989	Prototype Evaluation of Bay Springs Lock, Tennessee-Tombigbee Waterway, Mississippi, by R. G. McGee (includes Appendix A)	AD A212 431
TR HL-89-16	Aug 1989	Red River Waterway, John H. Overton Lock and Dam: Report 5 Sedimentation in Lock Approaches; TABS-2 Numerical Model Investigation, by B. M. Comes, R. R. Copeland, and W. A. Thomas	AD A211 620
TR HL-89-17	Aug 1989	Kinzua Dam, Allegheny River, Pennsylvania and New York; Hydraulic Model Investigation, by W. B. Fenwick (includes Appendix A)	AD A212 430
TR HL-89-18	Aug 1989	Clover Fork Tunnel Diversion Project, Harlan, Kentucky; Hydraulic Model Investigation, by S. K. Martin	AD A212 878
TR HL-89-19	Sep 1989	Model Study of Prado Flood-Control Dam; Hydraulic Model Investigation, by J. F. George	AD A213 101
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TR HL-89-23	Nov 1989	Winyah Bay, Georgetown, South Carolina, Data Collection Survey Report, by T. L. Fagerburg (includes Appendix A)	AD A215 824
TR HL-89-24	Nov 1989	Sedimentation Analysis of the Proposed San Rafael Canal Tidal Barrier, San Rafael, California, by L. M. Hauck (includes Appendix A)	AD A217 213
TR HL-89-25	Sep 1989	Mississippi-Louisiana Estuarine Area Study: Salinity and Circulation at and Near Bay Boudreau in Biloxi Marshes, Eastern Louisiana, by Walter Pankow, J. M. Savage, A. M. Teeter, and W. H. McAnally, Jr. (includes Appendixes A-F)	AD A216 462
TR HL-89-26	Dec 1989	A Numerical Model Study of the Effect of Channel Deepening on Shoaling and Salinity Intrusion in the Savannah Estuary, by B. H. Johnson, M. J. Trawle, and P. G. Kee	AD A217 107
TR HL-89-27	Sep 1989	Navigation Conditions at Oliver Lock and Dam, Black Warrior River Project; Hydraulic Model Investigation, by R. T. Wooley	AD A216 924

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* Formerly issued by the Automation Technology Center

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IR ITL-86-1	Oct 1986	Guide for Preparation of Waterways Experiment Station Technical - Information Reports (includes Appendixes A-G)	
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IR ITL-87-1	Apr 1987	User's Guide: Computer Program for Two-Dimensional Analysis of U-Frame Structures (CUFRAM), by W. P. Dawkins (includes Appendixes A-C)	AD A182 553
IR ITL-87-2	May 1987	User's Guide for Concrete Strength Investigation and Design (CASTR) in Accordance with ACI 318-83, by C. C. Hamby and W. A. Price III (includes Appendixes A-D)	AD A182 902
IR ITL-87-3		User's Guide: A Three-Dimensional Stability Analysis Design Program (3DSAD):	
	Jun 1987	Report 1 Revision I: General Geometry Module, by F. T. Tracy (includes Appendix A)	AD A184 261
	Sep 1989	Report 2 General Loads Module, by F. T. Tracy and M. A. Leggett (includes Appendix A)	AD A220 331
	Sep 1989	Report 6 Free-Body Module, by F. T. Tracy and M. A. Leggett	AD A213 978
IR ITL-87-4	Jun 1987	User's Guide: 2-D Frame Analysis Link Program (LINK2D), by C. A. Merrill (includes Appendixes A-C)	AD A183 569
IR ITL-87-5	Oct 1987	Sliding Stability of Concrete Structures (CSLIDE), by M. E. Pace and V. R. Noddin (includes Appendixes A-D)	AD A189 334
* IR ITL-87-6	Dec 1987	Criteria Specifications for and Validation of a Computer Program for the Design or Investigation of Horizontally Framed Miter Gates (CMITER), by W. A. Price III and M. D. Weiland	AD B119 185L
IR ITL-88-1	Apr 1988	User's Guide: Computer Program for Analysis of Planar Grid Structures (CGRID), by W. P. Dawkins (includes Appendix A)	AD A195 977
* IR ITL-88-2	Jun 1988	User's Guide for Design and Investigation of Horizontally Framed Miter Gates (CMITER), by C. C. Hamby, J. A. Hood, and W. A. Price III	AD B129 581
* IR ITL-88-3	Jun 1988	Manual for a Conversationally Oriented Real-Time Programming System (CORPS) on the Cybernet CDC Computer System, by H. W. Jones and D. G. Biedenharn (includes Appendixes A-D)	AD B125 160
* IR ITL-88-4	Sep 1988	User's Guide for Revised Computer Program to Calculate Shear, Moment, and Thrust (CSMT), by F. T. Tracy, R. L. Hall, K. W. Trahan, et al. (includes Appendixes A-C)	AD B127 876

* Statement B. See Preface.

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Miscellaneous Papers

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Unnumbered	Dec 1987	Information Systems Plan (includes Appendixes A-L)	
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TR ITL-87-2	Jan 1987	A Case Project Study of Finite Element Analysis of Concrete Flat Slabs, by David Raisanen (includes Appendixes A-B)	AD A181 712
TR ITL-87-3	Jan 1987	Evaluation of the P-Level Finite-Element Program "FIESTA", by R. L. Hall and C. A. Merrill (includes Appendixes A-I)	AD A181 511
TR ITL-87-4		Finite Element Studies of a Horizontally Framed Miter Gate: Report 1 Initial and Refined Finite Element Models (Phases A, B, and C):	
*	Aug 1987	Volume I Main Text, by L. Z. Emkin, K. M. Will, and B. J. Goodno	AD B115 309L
*	Aug 1987	Volume II Appendixes A-G, by L. Z. Emkin, K. M. Will, and B. J. Goodno	AD B114 953L
*	Aug 1987	Report 2 Simplified Frame Model (Phase D), by L. Z. Emkin, K. M. Will, and B. J. Goodno (includes Appendixes A-B)	AD B115 310L
*	Aug 1987	Report 3 Alternate Configuration Miter Gate Finite Element Studies--Open Sections, by L. Z. Emkin, K. M. Will, and B. J. Goodno (includes Appendixes A-D)	AD B115 311L
*	Aug 1987	Report 4 Alternate Configuration Miter Gate Finite Element Studies--Closed Sections, by L. Z. Emkin, K. M. Will, and B. J. Goodno (includes Appendixes A-B)	AD B115 312L
*	Aug 1987	Report 5 Alternate Configuration Miter Gate Finite Element Studies--Additional Closed Sections, by L. Z. Emkin, K. M. Will, and B. J. Goodno (includes Appendixes A-G)	AD B115 313L
*	Aug 1987	Report 6 Elastic Buckling of Girders in Horizontally Framed Miter Gates, by L. Z. Emkin, K. M. Will, and B. J. Goodno (includes Appendixes A-E)	AD B115 314L
	Aug 1987	Report 7 Application and Summary, by J. P. Hartman, J. D. Gibson, and M. D. Nelson (includes Appendix A)	AD A185 535
TR ITL-87-5	May 1987	Theoretical Manual for Design of Cellular Sheet Pile Structures (Cofferdams and Retaining Structures), by Mark Rossow, Edward Demsky, and Reed Mosher (includes Appendixes A-B)	AD A182 903
TR ITL-87-6	May 1987	Finite Element Method Package for Solving Steady-State Seepage Problems, by D. G. Biedenharn and F. T. Tracy (includes Appendixes A-C)	AD A183 083
TR ITL-87-7	Sep 1987	Comparison of Axial Capacity of Vibratory-Driven Piles to Impact-Driven Piles, by R. L. Mosher (includes Appendixes A-B)	AD A188 305

* Statement B. See Preface.

INFORMATION TECHNOLOGY LABORATORY

Technical Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR ITL-87-8	Dec 1987	Procedure for Static Analysis of Gravity Dams Using the Finite Element Method - Phase Ia, by K. M. Will (includes Appendixes A-C)	AD A192 410
TR ITL-88-1	Apr 1988	Development of Design Formulas for Ribbed Mat Foundations on Expansive Soils, by J. P. Hartman and B. H. James (includes Appendixes A-B)	AD A194 807
* TR ITL-88-2	Apr 1988	User's Guide: Pile Group Graphics Display (CPGG) Postprocessor to CPGA Program, by J. J. Jaeger, J. J. Jobst, and D. K. Martin (includes Appendixes A-F)	AD B122 516
TR ITL-88-3		Lock and Dam No. 26 (Replacement) Cofferdam Experimental and Analytical Study:	
	Sep 1988	Report 5 Tensile Tests of Steel Sheet Piles, by E. F. O'Neill and W. E. McDonald (includes Appendixes A-F)	AD A201 285
TR ITL-89-1	Jan 1989	WES Communications Plan for Voice and Data, by M. G. Ellis, Sr., and M. B. McGrath (includes Appendixes A-B)	
TR ITL-89-2	Apr 1989	Study on the Availability of Commercial Software for the Corps' Life Cycle Project Management, by N. Radhakrishnan, Bobby Hughey, and Warren Bennett (includes Appendixes A-F)	AD A208 254
TR ITL-89-3	Jul 1989	User's Guide: Pile Group Analysis (CPGA) Computer Program, by J. P. Hartman, J. J. Jaeger, J. J. Jobst, and D. K. Martin (includes Appendixes A-C)	AD A212 544
	Jan 1990	Errata Sheet	
TR ITL-89-4	Aug 1989	CBASIN--Structural Design of Saint Anthony Falls Stilling Basins According to Corps of Engineers Criteria for Hydraulic Structures; Computer Program X0098, by W. A. Price and E. S. Alling (includes Appendixes A-E)	AD A212 545
TR ITL-89-5	Aug 1989	CCHAN--Structural Design of Rectangular Channels According to Corps of Engineers Criteria for Hydraulic Structures; Computer Program X0097, by W. A. Price and E. S. Alling (includes Appendixes A-F)	AD A212 546
TR ITL-89-6	Aug 1989	The Response-Spectrum Dynamic Analysis of Gravity Dams Using the Finite Element Method; Phase II, by Paul Wiersma (includes Appendixes A-E)	AD A212 547

* Statement B. See Preface.

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Contract Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
CR SL-88-1		Effects of Material Property Uncertainties on Ground Shock Environments:	
*	Feb 1988	Report 1 Two-Dimensional Calculations of Site 1 with Simplified DI Source, by I. S. Sandler, David Rubin, and Lorraine Whitman (includes Appendixes A-C)	AD B121 143
*	Sep 1988	Report 2 Two-Dimensional Calculations of Site 1 with Material Property Variations, by I. S. Sandler and David Rubin	AD B125 356
CR SL-88-2	Apr 1988	An Implicit Finite Difference Formulation for Treating Multiphase Flow in Wet Porous Soils, by P. J. Hassig	AD A195 333
CR SL-88-3	May 1988	An Endochronic Plasticity Model for ISST Soils, by K. C. Valanis and H. E. Read (includes Appendixes A-B)	AD A195 391
* CR SL-89-1	Jan 1989	Microcomputer Version of the LAYER Code for Simplified Ground Shock Calculations, by David Rubin and I. S. Sandler (includes Appendixes A-B)	AD B130 988
* CR SL-89-2	Jun 1989	Penetration of a Low L/D, Flared Earth Penetrating Weapon into Frozen Soil Targets, by C. W. Miller, J. A. Hollowell, and W. L. McKay (includes Appendixes A-C)	AD B135 064
CR SL-89-3	Sep 1989	Simplified Analysis of Concrete Gravity Dams Including Foundation Flexibility, by J. M. Nau (includes Appendix)	AD A213 160

* Statement B. See Preface.

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Instruction Reports

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
IR SL-83-1	Oct 1983	Computer-Aided Analysis of Concrete Strength Test, by R. L. Campbell, Sr. (includes Appendixes A-B)	AD A136 265
IR SL-86-1	Sep 1986	Procedure for Assembling WES Column-Based Soil Stress Gages, by D. D. Rickman and H. G. White (includes Appendixes A-B)	AD A172 948
IR SL-87-1	Mar 1987	Manual for the Research Quality Management System, Structures Laboratory, Concrete Technology Division, by L. D. Wakeley (includes Appendixes A-D)	AD A180 369
IR SL-88-1	Apr 1988	User's Guide for Microcomputer Programs CONWEP and FUNPRO, Applications of TM 5-855-1, "Fundamentals of Protective Design for Conventional Weapons," by D. W. Hyde (includes Appendixes A-C)	AD A195 867
* IR SL-89-1	Mar 1989	User's Guide for Armor Plate Test Frame, by Paul Graham	
* IR SL-89-2	Jun 1989	Program "UGT" User's Guide for Estimating the Cost of Horizontal Line-of-Sight Underground Test Events, by J. B. Cheek (includes Appendixes A-B)	AD B134 252

* Statement B. See Preface.

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP SL-79-2	Jan 1979	Airblast and Ground Shock Produced by the M58-A1 Linear Explosive Charge, Phase 1 Experiments, by J. K. Ingram (includes Appendix A)	AD B034 491L
MP SL-79-3	Jan 1979	Scientific Exchange Program in the Field of Polymer Concrete, by J. M. Scanlon (also cited as CTIAC No. 35)	AD A065 318
MP SL-79-4	Jan 1979	Quality Control During Hot and Cold Weather Concreting, by J. M. Scanlon (also cited as CTIAC No. 36)	AD A066 989
* MP SL-79-5	Mar 1979	Destruction of Bridge Decking with Explosion-Produced Water Plumes, by B. J. Armstrong (includes Appendixes A-E)	AD B037 562L
* MP SL-79-6	Mar 1979	MISERS BLUFF Series; Phase II, Ground Shock and Airblast Measurements Data Report, by D. W. Murrell and J. H. Stout (includes Appendixes A-B)	AD B036 664L
MP SL-79-7	Mar 1979	Verification of Temperature and Thermal Stress Analysis Computer Programs for Mass Concrete Structures, by T. C. Liu, R. L. Campbell, and A. A. Bombich (includes Appendixes A-B)	AD A069 376
* MP SL-79-8	Apr 1979	Response of Foam-Layered Earth-Covered Structures to Contact Burst Rounds, by D. R. Bucci (includes Appendixes A-B)	AD B038 203L
* MP SL-79-9	Apr 1979	Response of a Tubular Sandbag to Thrust and Moment Loading, by S. J. Ressler (includes Appendixes A-E)	AD B037 590L
* MP SL-79-10	May 1979	Improved Portable CP Bunker (Airmobile), by D. R. Bucci	AD B037 632L
* MP SL-79-11	May 1979	ESSEX - DIAMOND ORE RESEARCH PROGRAM; Small-Scale Tunnel Destruction Experiments, ESSEX IV, by C. E. Joachim (includes Appendix A)	AD B039 722L
MP SL-79-12	May 1979	High-Strength Concrete, Past, Present, Future, by K. L. Saucier (also cited as CTIAC No. 37)	AD A069 881
MP SL-79-14	Jun 1979	Response of a Model Roof Slab to Fragment Impact Loading, by T. R. Lutman (includes Appendixes A-B)	AD A072 926
MP SL-79-15	Jun 1979	Repair of Concrete Surfaces Subjected to Abrasion Erosion Damage, by J. E. McDonald and T. C. Liu (also cited as CTIAC No. 40)	AD A073 085
MP SL-79-16	Jul 1979	Examination of Grout and Rock from Duval Mine, New Mexico, by A. D. Buck and J. P. Burkes	AD A073 304
MP SL-79-17	Aug 1979	Testing of 6-In.-Diameter Concrete Cores from Martin Dam, Alabama Power Company, by D. L. Ainsworth, A. D. Buck, S. A. Ragan, and Katharine Mather (includes Appendixes A-C) (also cited as CTIAC No. 38)	AD A073 404
MP SL-79-18	Aug 1979	Nondestructive Testing of Concrete T-Walls, Atchafalaya Basin Protection Levees, New Orleans District, by H. T. Thornton, Jr.	AD A073 906

* Statement B. See Preface.

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-79-19	Sep 1979	Feasibility of Use of Simple Models to Test Explosive Cratering of Roads on Slopes in Rock, by C. C. McAneny (includes Appendix A)	AD A079 600
MP SL-79-20	Sep 1979	The Structural and Durability Properties of Various Concrete Repairs, by C. E. Pace	AD A077 290
MP SL-79-21	Sep 1979	Concrete and Rock Tests, Rehabilitation Work, Marseilles Dam, Illinois Waterway, Chicago District, by R. L. Stowe (includes Appendixes A-B)	AD A077 372
MP SL-79-22	Sep 1979	The 7.6-Angstrom Reaction Product in Smectite Clay-Lime Mixtures, by A. D. Buck and Katharine Mather (also cited as CTIAC No. 41)	AD A075 351
MP SL-79-23	Sep 1979	Grouting Instrumentation, Old River Low Sill Control Structure, by D. L. Ainsworth	AD A076 220
MP SL-79-24	Nov 1979	Loading Rate Effects on Compressibility of Sand, by J. J. Jackson, Jr., J. Q. Ehr Gott, and Behzad Rohani	AD A078 495
MP SL-79-25	Nov 1979	Investigation of Lightweight Concrete and Materials, East Los Angeles Comprehensive Health Center Building, by A. D. Buck and T. C. Liu	AD A078 205
MP SL-79-26	Dec 1979	Probabilistic Soil Sampling Program for MX-Related Site Characterization, by E. H. Vanmarcke	AD A084 251
MP SL-80-1	Apr 1980	Finite-Element Calculations of Foam HEST 1, by J. E. Windham (includes Appendixes A-C)	AD A085 255
MP SL-80-2	Apr 1980	Ultrasonic Velocity Measurements in Concrete, Lock and Dam No. 24, Mississippi River, by H. T. Thornton, Jr., and Dale Glass	AD A084 095
* MP SL-80-3	Apr 1980	Tests of Demolition Shaped Charges and Block Demolition Charges Against Simulated Bridge Piers, by D. R. Coltharp	AD B048 366L
MP SL-80-4	Apr 1980	Concrete and Rock Tests, Major Rehabilitation and Compliance, Lockport Lock, Illinois Waterway, Chicago District, by R. L. Stowe, S. A. Ragan, R. L. Campbell, et al. (includes Appendixes A-C)	AD A085 380
MP SL-80-5	Apr 1980	Birds Point-New Madrid Floodway Emergency Operation, Explosive Design Summary, by A. D. Rooke, Jr. (includes Appendix A)	AD A085 798
MP SL-80-6	Apr 1980	Concrete and Rock Tests, Major Rehabilitation of Starved Rock Lock and Dam, Illinois Waterway, Chicago District, Phase II Compliance, Scour Detection, by R. L. Stowe and B. A. Pavlov (includes Appendix A)	AD A085 584
MP SL-80-7	Jul 1980	Propagation of Explosive Shock Through Rubble Screens, by J. W. Brown, D. W. Murrell, and J. H. Stout	AD A088 419
MP SL-80-8	Sep 1980	Concrete and Rock Tests, Major Rehabilitation, Dresden Island Lock and Dam, Illinois Waterway, Chicago District, Phase I Rehabilitation, by R. L. Stowe, G. S. Wong, and B. A. Pavlov	AD A090 278

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-80-9	Sep 1980	Stability and Stress Analyses, Marseilles Dam, Illinois Waterway, by C. E. Pace and R. L. Campbell (includes Appendix A)	AD A090 030
MP SL-80-10	Sep 1980	Construction of Tremie Concrete Cutoff Wall, Wolf Creek Dam, Kentucky, by T. C. Holland and J. R. Turner (includes Appendixes A-D)	AD A090 279
MP SL-80-12	Sep 1980	Calculation of Ground Shock Motion Produced by Airburst Explosions Using Cagniard Elastic Propagation Theory, by J. R. Britt	AD A090 031
MP SL-80-13	Sep 1980	Investigation of Distressed Composite Walls, U. S. Army Reserve Armory, Greenwood, Mississippi, by R. H. Denson (includes Appendix A)	AD A090 611
MP SL-80-14	Sep 1980	Investigation of Deterioration of Brick in Navigation Lock Control House Structures, Tulsa District, by R. H. Denson, G. S. Wong, and T. B. Husbands (includes Appendix A)	AD A101 021
MP SL-80-15	Sep 1980	Structural Stability Evaluation, Pokegama Dam, by C. E. Pace, R. L. Campbell, and G. S. Wong	AD A090 612
* MP SL-80-16	Sep 1980	Development of a Tubular Sandbag for Overhead Protection Against Small High-Explosive Superquick Fuze Rounds, by R. W. White (includes Appendixes A-B)	AD B053 470L
MP SL-80-17	Oct 1980	Factors Affecting Sulfate Resistance of Mortars, by Katharine Mather (also cited as CTIAC No. 44)	AD A092 831
MP SL-80-18	Oct 1980	Monitoring Deflection at Lockport and at Brandon Road Locks, Chicago District, by Dale Glass and B. R. Sullivan	AD A092 700
MP SL-80-19	Dec 1980	Concrete Deterioration in Spillway Warm-Water Chute, Raystown Dam, Pennsylvania, by T. C. Holland, T. B. Husbands, A. D. Buck, and G. S. Wong (includes Appendixes A-B) (also cited as CTIAC No. 42)	AD A094 246
MP SL-81-1	Mar 1981	Concrete and Rock Tests, Major Rehabilitation of Dresden Island Lock and Dam, Illinois Waterway, Chicago District, Phase II Compliance, Scour Detection, by R. L. Stowe and B. A. Pavlov (includes Appendix A)	AD A098 613
MP SL-81-2		PSU/WES Interlaboratory Comparative Methodology Study of an Experimental Cementitious Repository Seal Material:	
	Mar 1981	Report 1 Short-Term Results, by D. M. Roy, M. W. Grutzeck, and Katharine Mather (includes Appendix A) (superseded by Report 2)	AD A097 456
	Mar 1982	Report 2 Final Results, by D. M. Roy, M. W. Grutzeck, Katharine Mather, and A. D. Buck (supersedes Report 1)	AD A114 248
MP SL-81-3	Mar 1981	Analysis of Steerability of Tracked Vehicles; Theoretical Predictions Versus Field Measurements, by G. Y. Baladi and Behzad Rohani (includes Appendix A)	AD A098 777

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-81-4	Apr 1981	Correlation of Mobility Cone Index with Fundamental Engineering Properties of Soil, by Behzad Rohani and G. Y. Baladi (includes Appendixes A-B)	AD A101 409
MP SL-81-5	May 1981	Examination of Samples of Bell Canyon Test 1-FF Grout, by J. E. Rhoderick, G. S. Wong, and A. D. Buck	AD A101 213
MP SL-81-6	May 1981	Examination of Sample of Grout After 63 Years Exposure Underground, by J. E. Rhoderick (includes Appendix A)	AD A101 057
	Jan 1982	Errata Sheet No. 1	
MP SL-81-7	May 1981	Examinations of Simulated Borehole Specimens, by J. E. Rhoderick and A. D. Buck	AD A101 416
	Aug 1981	Errata Sheet No. 1	
MP SL-81-8	May 1981	Study of a Proprietary Pozzolanic Product, by A. D. Buck	AD A101 058
	Jan 1982	Errata Sheet No. 1	
MP SL-81-9	Jun 1981	Deterioration and Repair of Concrete in the Lower Monumental Navigation Lock Wall, by E. K. Schrader	AD A101 635
MP SL-81-10	Jan 1981	Porous Portland Cement Concrete: The State of the Art, by Alfred Monahan (also cited as CTIAC No. 46)	AD A098 177
* MP SL-81-11	Jul 1981	Effectiveness of an Ungulate Warhead Design Against Runways, by L. K. Davis	AD B058 340L
MP SL-81-12	Jul 1981	Use of a Foam HEST to Simulate Low-Yield Nuclear Overpressures, by S. A. Kiger	AD A103 315
MP SL-81-13	Jul 1981	Characterization and Reactivity of Silica Fume, by A. D. Buck and J. P. Burkes (also cited as CTIAC No. 47)	AD A103 369
MP SL-81-14	Jun 1981	Evaluation of Condition of Lake Superior Regulatory Structure, Sault Ste. Marie, Michigan, by H. T. Thornton, Jr., C. E. Pace, R. L. Stowe, et al. (includes Appendixes A-G)	AD A101 604
MP SL-81-15	Jun 1981	An Expedient Method for Excavation of Foxholes, by G. A. Woodbury and A. D. Rooke, Jr. (includes Appendixes A-B)	AD A102 812
MP SL-81-16	Jun 1981	Structural Stability Evaluation, Gull Lake Dam, by C. E. Pace	AD A103 011
MP SL-81-17	Jul 1981	Structural Stability Evaluation, Sandy Lake Dam, by C. E. Pace	AD A103 012
MP SL-81-18	Jul 1981	Cratering Capabilities of Low-Yield Nuclear Weapons, by J. N. Strange	AD A108 989
* MP SL-81-19	Aug 1981	Cable Vulnerability Study, by J. D. Day and C. E. Joachim	AD B058 956L
MP SL-81-20	Aug 1981	Examination of ERDA-10 Grout Specimens at Different Ages, by A. D. Buck, J. P. Burkes, and J. E. Rhoderick (includes Appendix A)	AD A105 165

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-81-21	Aug 1981	Condition Survey, Repair and Rehabilitation, Lock and Dam No. 24, Mississippi River, by R. L. Stowe and H. T. Thornton, Jr. (includes Appendixes A-D)	AD A105 653
MP SL-81-22	Sep 1981	Structural Stability Evaluation, Leech Lake Dam, by C. E. Pace	AD A104 777
* MP SL-81-23	Sep 1981	MISERS BLUFF; Phase II, Event 1, Determination of the Drag Coefficient for a Typical Industrial Structural Member, by J. W. Ball (includes Appendixes A-C)	AD B059 695L
* MP SL-81-24	Sep 1981	MISERS BLUFF; Phase II, Event 1, Development and Verification of a Steel Girder Bridge Analytical Model, by J. W. Ball	AD B059 696L
MP SL-81-25	Sep 1981	A One-Dimensional Plane Wave Propagation Code for Layered Rate-Dependent Hysteretic Materials, by J. O. Curtis (includes Appendix A)	AD A105 241
MP SL-81-26	Sep 1981	Acoustic Emission from Concrete Specimens, by P. F. Mlakar, R. E. Walker, and B. R. Sullivan	AD A105 416
MP SL-81-27	Sep 1981	Structural Stability Evaluation, Winnibigoshish Dam, by E. C. Pace	AD A107 337
MP SL-81-28	Oct 1981	Tensile Tests on Articulated Concrete Mattress Specimens, by Dale Glass (includes Appendixes A-B)	AD A107 422
MP SL-81-29	Oct 1981	Evaluation of Tests for Determining the Pumpability of Concrete Mixtures, by S. A. Ragan	AD A107 524
MP SL-81-30	Nov 1981	Predictions of the Airblast and Ground Motions Resulting from Explosive Removal of the Birds Point-New Madrid Fuze Plug Levee, by J. L. Drake and L. F. Ingram	AD A107 557
MP SL-81-31	Oct 1981	Structural Stability Evaluation, Pine River Dam, by C. E. Pace	AD A108 551
MP SL-81-32	Nov 1981	Abrasion-Erosion Resistance of Fiber-Reinforced Concrete, by T. C. Liu and J. E. McDonald	AD A108 988
MP SL-81-34	Dec 1981	Composition of Rock Core from Hole AEC-8, New Mexico, by J. E. Rhoderick and A. D. Buck	AD A111 275
MP SL-82-1	Apr 1982	Durability of Reinforced Concrete Beams Exposed to Marine Environment, by E. F. O'Neil (also cited as CTIAC No. 49)	AD A117 284
MP SL-82-2	Apr 1982	Durability of Post-Tensioned Concrete Beams Exposed to Severe Natural Weathering, by E. F. O'Neil (also cited as CTIAC No. 50)	AD A117 283
MP SL-82-3	Jun 1982	Condition Survey of Depere Lock and Dam, Lower Fox River, Wisconsin, by R. L. Stowe and J. C. Ahlvin (includes Appendixes A-B) (also cited as CTIAC No. 51)	AD A119 121
MP SL-82-4	Jun 1982	Condition Survey of Cedars Lock and Dam, Lower Fox River, Wisconsin, by R. L. Stowe and J. C. Ahlvin (includes Appendixes A-B) (also cited as CTIAC No. 52)	AD A119 696

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-82-5	Jun 1982	Determination of Properties of Concrete Used in Thermal Studies for Lock and Dam No. 2, Red River Waterway, by T. C. Holland, T. C. Liu, and A. A. Bombich (includes Appendixes A-B) (also cited as CTIAC No. 55)	AD A117 285
MP SL-82-6	Jun 1982	Grout Formulations for Nuclear Waste Isolation, by A. D. Buck and Katharine Mather (includes Appendix A)	AD A115 953
MP SL-82-7	Jun 1982	Probabilistic Solution for One-Dimensional Plane Wave Propagation in Homogeneous Bilinear Hysteretic Materials, by Behzad Rohani (includes Appendix A)	AD A118 030
MP SL-82-8	Jul 1982	Site Characterization for Probabilistic Ground Shock Predictions, by J. G. Jackson, Jr.	AD A120 398
MP SL-82-9	Jul 1982	Thermal Studies of HEMSS Cylindrical Test Beds Containing SRI-RMG-2C4 Grout, by A. A. Bombich (also cited as CTIAC No. 56)	AD A118 993
MP SL-82-10	Jul 1982	The HEMSS 3T Experiment, by A. A. Bombich (also cited as CTIAC NO. 57)	AD A120 669
* MP SL-82-11	Aug 1982	Effectiveness of Rock-Rubble/Boulder Screens for Degrading the Penetration of Shaped Charge Jets, by Behzad Rohani, D. R. Coltharp, C. C. McAneny, et al.	AD B069 333L
MP SL-82-12	Aug 1982	Optimization of High-Strength Concrete Mixture Proportions for the ANMCC Improvement Projects, by A. A. Bombich and A. D. Magoun (includes Appendixes A-C) (also cited as CTIAC No. 58)	AD A118 966
* MP SL-82-13	Aug 1982	Response of MX Horizontal Shelter Models to Static and Dynamic Loading, by V. T. Cost and G. E. Albritton	AD B067 378
MP SL-82-14	Sep 1982	Evaluation of Concrete Cores from Waterbury Dam, Waterbury, VT., by C. E. Pace, R. L. Stowe, and G. S. Wong (also cited as CTIAC No. 53)	AD A123 418
MP SL-82-15	Sep 1982	Evaluation of Three State-of-the-Art Water-Jet Systems for Cutting/Removing Concrete, by C. E. Pace (also cited as CTIAC No. 54)	AD A123 579
* MP SL-82-16	Sep 1982	Crack Survey and Gage Installation in Cross-Over Galleries, Kaskaskia Lock, Chester, Illinois, by R. H. Denson, G. S. Wong, and D. Bean (includes Appendixes A-C) (also cited as CTIAC No. 60)	
* MP SL-82-17	Sep 1982	Six Candidate Shock Attenuating Material Systems for the Alternate National Military Command Center (ANMCC) Improvement Project - Omaha District, by R. H. Denson, W. B. Ledbetter, and Donald Saylak (includes Appendixes A-C) (also cited as CTIAC No. 61)	
MP SL-82-18	Sep 1982	Concrete Temperature Control Study for the Old River Auxiliary Structure, by A. A. Bombich (also cited as CTIAC No. 62)	AD A120 419

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-82-20	Sep 1982	In-Place Stability and Deterioration of Structures, by C. E. Pace and A. M. Alexander	AD A125 899
**MP SL-83-1	Jan 1983	Aircraft Response to Multiple Encounters with Runway Damage, by L. K. Davis	AD B072 701L
* MP SL-83-2	Feb 1983	Conventional Weapons Effects on Fighting Position Covers/Shelters, by M. I. Hammons and R. W. White (includes Appendixes A-D)	AD B072 380L
MP SL-83-4	Mar 1983	Tug Fork River Big Bend Cutoff Blast Monitoring Study, by C. E. Joachim (includes Appendixes A-F)	AD A130 271
MP SL-83-5	May 1983	Studies of the Constitution of Fly Ash Using Selective Dissolution, by A. D. Buck, T. B. Husbands, and J. P. Burkes (includes Appendixes A-B) (also cited as CTIAC No. 63)	AD A132 041
MP SL-83-6	May 1983	Investigation of Cement Pastes and Related Materials by Scanning Electron Microscopy and X-ray Diffraction, by Katharine Mather, C. R. Hallford, J. P. Burkes, and A. D. Buck (also cited as CTIAC No. 4)	AD A130 586
* MP SL-83-7	Jun 1983	Cratering and Ditching Experiments with Slurry Blasting Agents, FY 75-FY 78, by H. D. Carleton, J. J. Sullivan, and A. D. Rooke, Jr. (includes Appendixes A-H)	AD B075 596L
MP SL-83-8	Jun 1983	Evaluation of WES One-Dimensional Dynamic Soil Testing Procedures, by Lynn Seaman	AD A130 925
MP SL-83-9	Jun 1983	Ejecta Distribution from Near-Surface Explosions on a Layered Soil: DISTANT RUNNER Events 2 and 3, by A. D. Rooke, Jr. (includes Appendixes A-B)	AD B076 226L
MP SL-83-10	Jun 1983	Explosive Ditching and Pavement Breaching Tests at Yuma Proving Ground, 1978-1980, by G. A. Woodbury, J. J. Sullivan, and A. D. Rooke, Jr. (includes Appendixes A-D)	AD A131 187
* MP SL-83-11	Jul 1983	Numerical Analysis of Projectile Penetration into Boulder Screens, by R. B. Nelson, Y. M. Ito, D. E. Burks, et al.	AD B076 576L
MP SL-83-12	Aug 1983	Petrographic Examination of Bell Canyon Tests (BCT) 1-FF Field Grouts over a Three-Year Period, by J. P. Burkes and J. E. Rhoderick (also designated as Report No. SAND 83-7115)	AD A132 725
	Sep 1983	Errata Sheet No. 1	
MP SL-83-13	Aug 1983	Alkali Reactivity of Strained Quartz as a Constituent of Concrete Aggregate, by A. D. Buck (also cited as CTIAC No. 65)	AD A133 909
MP SL-83-14	Sep 1983	Preventative Measures to Limit Stress Corrosion Cracking in Prestressed Concrete, by E. F. O'Neill (also cited as CTIAC No. 64)	AD A136 665

* Statement B. See Preface.

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-83-15	Sep 1983	Abrasion-Erosion Resistance of Concrete Made with Two Aggregates, Stonewall Jackson Dam, West Virginia, by T. C. Holland (also cited as CTIAC No. 66)	AD A133 432
MP SL-83-16	Sep 1983	Abrasion-Erosion Evaluation of Concrete Mixtures for Stilling Basin Repairs, Kinzua Dam, Pennsylvania, by T. C. Holland (includes Appendixes A-C) (also cited as CTIAC No. 67)	AD A133 488
MP SL-83-17	Sep 1983	Evaluation of Concrete Cores, Caruthersville Floodwall, by G. S. Wong	AD A133 833
MP SL-83-18	Sep 1983	Modification of Bell Canyon Test (BCT) 1-FF Grout, by A. D. Buck, J. E. Rhoderick, J. P. Burkes, et al. (includes Appendixes A-B) (also designated as Report No. SAND 83-7097)	AD A134 876
MP SL-83-19	Sep 1983	Penetration of 1/7 Scale Model of a Semi-Armor Piercing (SAP) Bomb into Confined Boulder Overlays: Test and Analysis, by C. W. Miller, W. L. McKay, and J. A. Hollowell	AD B079 383L
* MP SL-83-20	Dec 1983	Application of Shaped Charges to Rapid Atomic Demolition Munition (ADM) Emplacement, by C. E. Joachim	AD B079 943L
MP SL-84-1	Feb 1984	Condition Evaluation of Supersonic Naval Ordnance Research Tract (SNORT), by B. R. Sullivan, C. E. Pace, and R. L. Campbell (includes Appendixes A-D)	AD A140 036
MP SL-84-2	Feb 1984	Alkali-Silica Reaction in Concrete in a North Dakota Highway, by A. D. Buck (also cited as CTIAC No. 68)	AD A140 098
MP SL-84-3	Mar 1984	High-Strength Concrete for Peacekeeper Facilities, by K. L. Saucier (also cited as CTIAC No. 70)	AD A140 510
MP SL-84-4	Mar 1984	Concrete Quality Assurance Using Accelerated Strength Testing, by S. A. Ragan (includes Appendixes A-B)	AD A142 804
* MP SL-84-5	May 1984	Instructure Shock Spectra and Comments on Soil-Structure Interaction for the TRIDENT Reentry Body Complex, Kings Bay, GA, by S. A. Kiger	AD B083 374L
MP SL-84-6	Apr 1984	A Probabilistic One-Dimensional Ground-Shock Code for Layered Nonlinear Hysteretic Materials, by Behzad Rohani and J. D. Cargile (includes Appendixes A-B)	AD A142 016
MP SL-84-7	Jun 1984	Elastic-Plastic Response Charts for Nuclear Overpressures, by L. K. Guice and S. A. Kiger (includes Appendixes A-C)	AD A144 111
* MP SL-84-8	Jun 1984	Ground Motion Measurements, Pre-DIRECT COURSE Event, by J. K. Ingram (includes Appendixes A-B)	AD B085 057L
* MP SL-84-9	Jun 1984	Ground Motion Measurements, DIRECT COURSE Main Event, by J. K. Ingram (includes Appendixes A-B)	AD B085 056L
MP SL-84-10	Jun 1984	Workability of Fluid Hydraulic Cement Systems Containing Salt, by A. D. Buck, J. A. Boa, Jr., and D. M. Walley	AD A144 960

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* MP SL-84-11	Sep 1984	Shock Analysis of the Piping System in the Saudi Navy Command Center at Jubail, by V. P. Chiarito, R. S. Wright, and S. A. Kiger	AD B086 839L
* MP SL-84-12	Oct 1984	Materials Systems Investigation for MOBA/MOUT Live-Fire Training Villages, by R. H. Denson, G. C. Hoff, D. L. Kopp, et al. (includes Appendixes A-D)	AD B089 193L
MP SL-84-13	Oct 1984	Compressive Strength-Maturity Relationships of Mortar Containing Fly Ash, by S. A. Ragan	AD A148 705
* MP SL-84-14	Dec 1984	Statistical Variation of Laboratory Soil Properties, by A. E. Jackson, Jr.	AD B089 515L
MP SL-84-15	Dec 1984	Evaluation of Epoxy Resin Systems as Backing Materials for Miter Gates, by D. L. Bean (also cited as CTIAC No. 71)	AD A154 737
MP SL-85-1	Jan 1985	Development of Generalized 2-D and 3-D Distinct Element Programs for Modeling Jointed Rock, by P. A. Cundall and R. D. Hart (includes Appendixes A-B)	AD A153 927
* MP SL-85-2	Feb 1985	The Effects of Blast and Flechette/Fragment Penetration on Field Fortifications, by W. S. Wood (includes Appendixes A-B)	AD B092 405L
* MP SL-85-4	May 1985	Penetration of a 0.231-Scale Model of an Improved Hard Target Penetrator into Diorite Boulder Overlays, by Behzad Rohani, C. F. Austin, Y. M. Ito, et al. (includes Appendixes A-B)	AD B096 189L
MP SL-85-5	May 1985	Systems and Materials to Prevent Floodwaters from Entering Buildings, by C. E. Pace	AD A156 050
MP SL-85-6	Aug 1985	Development of a Sanded Nonsalt Expansive Grout for Repository Sealing Application, by A. D. Buck	AD A160 594
MP SL-85-7	Aug 1985	Thermal Stability of Certain Hydrated Phases in Systems Made Using Portland Cement, by A. D. Buck, J. P. Burkes, and T. S. Poole	AD A160 443
MP SL-85-8	Aug 1985	Development of Two Candidate Concrete Mixtures (Salt, Nonsalt) for Repository Sealing Applications, by A. D. Buck	AD A160 692
MP SL-85-9	Sep 1985	Characterization of Four Class H High Sulfate-Resistant Portland Cements, by A. D. Buck and R. E. Reinhold	AD A160 551
MP SL-85-10	Sep 1985	Characterization of Several Plasters and One Retarder for Repository Sealing Mixtures, by A. D. Buck, J. P. Burkes, and R. E. Reinhold	AD A160 595
MP SL-85-11	Aug 1985	Development of a Sanded Expansive Salt Grout for Repository Sealing Application, by A. D. Buck, J. A. Boa, Jr., and D. M. Walley (includes Appendixes A-D)	AD A160 431
MP SL-85-13	Sep 1985	Creep Test of WIPP Site Anhydrite Core, by R. L. Stowe	AD A160 4'4
MP SL-85-14	Sep 1985	Sulfate Resistance of Hydraulic Cements Containing Blast-Furnace Slag, by A. D. Buck	AD A161 985

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-85-15	Sep 1985	Distribution of Chloride in a Salt-Saturated Grout in Contact With Rock Salt, by L. D. Wakeley and J. P. Burkes (includes Appendix A)	AD A161 866
MP SL-85-16	Sep 1985	Cementitious Mixtures for Sealing Evaporite and Clastic Rocks in a Radioactive-Waste Repository, by L. D. Wakeley and D. M. Roy	AD A161 865
* MP SL-85-17	Oct 1985	Preliminary Structural Design Calculations for HF Receiving and Transmitting Stations, by J. T. Baylot and S. B. Garner (includes Appendix A)	AD B098 073L
MP SL-85-18	Dec 1985	Epoxy-Resin Grouting of Cracks in Concrete, by D. L. Bean (includes Appendixes A-E)	AD A164 306
* MP SL-85-19	Dec 1985	Optimal Design of Shallow-Buried Structures Subjected to the Effects of a Nuclear Detonation, by C. E. Canada and Mark McVay (includes Appendix A)	AD B099 613L
MP SL-86-1	May 1986	Development of a 10,000-psi Multiaxial Cubical Soil Test Cell with Pore Pressure Measurement Facilities, by Hon-Yim Ko, Stein Sture, and V. C. Janoo	AD A169 303
MP SL-86-2	Apr 1986	Development of Freshwater Grout Subsequent to the Bell Canyon Tests (BCT), by L. D. Wakeley, D. M. Walley, and A. D. Buck (includes Appendixes A-D)	AD A169 085
* MP SL-86-3	Jun 1986	Mitigation of Blast Pressures Inside Conventional Fighting Positions, by J. C. Ray and W. L. Huff (includes Appendixes A-B)	AD B104 5F
* MP SL-86-4	May 1986	Fortification Overhead Protection Using Sandgrid Construction, by A. T. Hamlin	AD B104 851L
MP SL-86-5	Jul 1986	Explosive Tests on Reinforced Concrete Walls at Camp Shelby, Mississippi, by D. R. Coltharp (includes Appendixes A-B)	AD A171 947
MP SL-86-6	Jul 1986	Study of Stored Energy Systems Proposed for Testing a Pressure-Regulating Valve, by J. B. Cheek (includes Appendixes A-E)	AD A170 390
MP SL-86-7	Apr 1986	Facilities Technology Application Tests; Concrete Repair, by T. B. Husbands	AD A171 519
* MP SL-86-8	Sep 1986	Profile and Material Property Estimates for CARES-Dry and ISST Ground Shock Calculations, by A. E. Jackson, Jr., and J. D. Cargile (includes Appendixes A-F)	AD B104 998
* MP SL-86-9	Sep 1986	Alkali-Silica Reaction in Concrete from Fontana Dam, North Carolina, Tennessee Valley Authority, by A. D. Buck and Katharine Mather	AD A171 892
MP SL-86-10	Aug 1986	Soil-Cement Study, Truscott Brine Dam, Texas, by R. H. Denson, Tony Husbands, and O. K. Loyd	AD A171 891
MP SL-86-11	Aug 1986	WES High-Pressure Uniaxial Strain and Triaxial Shear Test Equipment, by S. A. Akers, P. A. Reed, and J. Q. Ehrigott	AD A171 877

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-86-12	Sep 1986	Abrasion-Erosion Evaluation of Concrete Mixtures for Repair of Low-Flow Channel, Los Angeles River, by T. C. Holland (includes Appendixes A-C)	AD A172 494
MP SL-86-13	Sep 1986	Posttest Analysis of a Laboratory-Cast Monolith of Salt-Saturated Concrete, by L. D. Wakeley and T. S. Poole (includes Appendixes A-B)	AD A172 874
MP SL-86-14	Sep 1986	Abrasion-Erosion Evaluation of Concrete Mixtures for Stilling Basin Repairs, Kinzua Dam, Pennsylvania, by T. C. Holland (includes Appendixes A-H)	AD A172 804
* MP SL-86-15	Oct 1986	A Study of Techniques for the Selective Demolition of Urban Structures, by C. Wilton, J. V. Zaccor, and J. M. Loizeaux (includes Appendix A)	AD B113 402L
MP SL-86-16	Oct 1986	Evaluation of the Frost Resistance of Roller-Compacted Concrete Pavements, by S. A. Ragan	AD A174 350
* MP SL-86-17	Nov 1986	Executive Summary of Geotechnical Operations Conducted for FY 82 Silo Test/Combined Effects Program, by J. S. Zelasko (includes Appendixes A-G)	AD B108 009L
MP SL-86-29	Sep 1986	Mechanical Properties of Reid-Bedford Model Sand, by B. R. Phillips	
Unnumbered	Mar 1987	Schedule of Charges for Testing and Services and Quantities of Material Required for Testing	
MP SL-87-1	Apr 1987	Frost Resistance of High-Strength Concrete, by A. D. Buck, J. P. Burkes, and J. C. Ahlvin	AD A179 995
* MP SL-87-2	May 1987	Installation and Rehabilitation of Groundwater Monitoring Wells at Selected MINUTEMAN Sites, by J. V. Farr (includes Appendixes A-B)	AD B113 143L
MP SL-87-3	May 1987	Condition Survey of Lock No. 7, Monongahela River, by R. L. Stowe (includes Appendixes A-E)	AD A182 888
MP SL-87-4	Jun 1987	Condition Survey of Lock No. 8, Monongahela River, by R. L. Stowe (includes Appendixes A-C)	AD A183 709
MP SL-87-5	Jul 1987	Alkali-Carbonate Rock Reaction at Center Hill Dam, Tennessee, by G. S. Wong	AD A187 237
* MP SL-87-6	Jul 1987	Evaluation of Computer Program for Proportioning Concrete Mixture, by B. D. Neeley	AD B116 663L
* MP SL-87-7	Jul 1987	Ground Motion Measurements, Combined DIHEST Calibration, Event 1, by C. E. Joachim and D. W. Murrell (includes Appendixes A-B)	AD B114 927L
* MP SL-87-8	Aug 1987	A Study of Corrosion to Interior Metal Door Frames, Bayne Jones Army Hospital, Fort Polk, La., by E. F. O'Neil	AD B115 258
MP SL-87-9	Sep 1987	Properties of Laboratory-Tested Specimens of Concrete from Small-Scale Seal Performance Tests at the Waste Isolation Pilot Plant, by G. D. Comes, L. D. Wakeley, and E. F. O'Neil III (includes Appendixes A-J)	AD A189 709

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-87-10	Sep 1987	Studies of the Geochemical Stability of A Salt-Saturated Expansive Grout, by L. D. Wakeley and T. S. Poole (includes Appendixes A-C)	AD A190 504
* MP SL-87-11	Sep 1987	Rapid Runway Cutting with Linear Shaped Charges, by C. E. Joachim	AD B116 962L
* MP SL-87-12	Sep 1987	Evaluation of Compacted Earth Blocks for Use as Expedient Field Fortifications, by P. G. Hayes	AD B117 896L
* MP SL-88-1	Jan 1988	Ricochet and Stability of MK82, MK83, and MK84 General-Purpose Bombs in Soil, by D. C. Creighton (includes Appendix A)	AD B120 157L
MP SL-88-2	Jan 1988	Recommendations to the NRC for Review Criteria for Alternative Methods of Low-Level Radioactive Waste Disposal, Task 2A: Below-Ground Vaults, by R. H. Denson, D. L. Bean, D. L. Ainsworth, et al. (includes Appendix A)	AD A189 020
MP SL-88-3	Feb 1988	Field Investigation of A Neoprene Pad Capping System, by B. D. Neeley and R. J. Becker (includes Appendix A)	AD A190 496
MP SL-88-4	Jan 1988	Recommendations to the NRC for Review Criteria for Alternative Methods of Low-Level Radioactive Waste Disposal, Task 2B: Earth-Mounded Concrete Bunkers, by R. H. Denson, D. L. Bean, D. L. Ainsworth, et al., (includes Appendix A)	AD A193 186
MP SL-88-5	Apr 1988	Wall Armor Pullout Testing, by W. E. McDonald	AD A194 724
MP SL-88-6	Aug 1988	Condition Survey of Locks and Dam 3, Monongahela River, by G. S. Wong and R. L. Stowe	AD A197 812
MP SL-88-7	Aug 1988	Condition Survey of Lock No. 2, Monongahela River, by G. S. Wong, R. L. Stowe, J. C. Ahlvin, and J. G. Tom (includes Appendixes A-D)	AD A197 813
* MP SL-88-8	Sep 1988	Liquid Explosive Tests Conducted During Light Infantry Cooperative Demolition Test, Makua Range, Oahu, Hawaii, 7-11 July 1986, by E. W. Stevens (includes Appendix A)	AD B127 897
MP SL-88-9	Nov 1988	Vibration Study of the Bloomington Intake Tower, by V. P. Chiarito and T. L. Fagerburg	AD A202 585
* MP SL-88-30	Jul 1988	Tactical Applications of Exploding-Pipe Antiarmor Ditches in Irregular Terrain, by L. Huskey and H. Bielke	AD B124 995
Unnumbered	Apr 1989	Corps of Engineers Structural Engineering Conference, June 27 - July 1, 1988, St. Louis, Missouri, Volume I	AD B133 990
Unnumbered	Apr 1989	Corps of Engineers Structural Engineering Conference, June 27 - July 1, 1988, St. Louis, Missouri, Volume II	AD B133 991
MP SL-89-2	Aug 1989	Preliminary Sound-Abatement Tests Using Shock-Attenuating Concrete (SACON) and Other Materials, Big Black Test Facility, by W. L. Huff, G. L. Carre, T. R. Stanton, et al.	AD A212 816

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
MP SL-89-3	Aug 1989	Investigation of Early Stiffening of Concrete at Red River Lock and Dam No. 3, by T. S. Poole and J. B. Cook (includes Appendixes A-B)	AD A212 822
Unnumbered	Sep 1989	Schedule of Charges for Testing and Services and Quantities of Material Required for Testing	

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* TR SL-79-1	Feb 1979	Vulnerability of Bridge Piers to Conventional Munitions, by L. K. Davis and J. W. Meyer	AD B037 522L
* TR SL-79-2	Apr 1979	ESSEX - DIAMOND ORE RESEARCH PROGRAM; Bridge Test, ESSEX III, by J. W. Ball (includes Appendixes A-E)	AD B039 062L
* TR SL-79-3	May 1979	Hardened Protective Structures for Mounted and Dismounted TOW Antitank Weapons, by G. L. Carre	AD B039 065L
* TR SL-79-4	Jul 1979	Static Loading of MX Model Closures, by J. V. Getchell and J. M. Watt, Jr. (includes Appendix A)	AD B040 533L
* TR SL-79-6	Sep 1979	ESSEX - DIAMOND ORE RESEARCH PROGRAM; POL Storage and Distribution Facilities Test, ESSEX V, Phase 3, by W. L. Huff (includes Appendixes A-C)	AD B041 752L
TR SL-79-7	Sep 1979	An Effective Stress Model for Ground Motion Calculation, by G. Y. Baladi (includes Appendixes A-B)	AD A076 537
TR SL-79-8	Sep 1979	Earthquake Analysis of the Gravity Dam Monoliths of the Richard B. Russell Dam, by C. D. Norman and H. E. Stone (includes Appendixes A-B)	AD A077 658
* TR SL-79-9	Oct 1979	ESSEX - DIAMOND ORE RESEARCH PROGRAM; Ejecta Measurements Report, ESSEX I, Phase 2, by J. F. Dishon (includes Appendixes A-F)	AD B041 978L
* TR SL-79-11	Nov 1979	ESSEX - DIAMOND ORE RESEARCH PROGRAM; Hardened Structure Response, ESSEX V, by J. R. Hossley and G. E. Albritton (includes Appendixes A-E)	AD B043 747L
* TR SL-79-13	Dec 1979	Response of a Buried Hardened Arch Structure to the Effects of Localized Explosions, by S. A. Kiger and G. E. Albritton (includes Appendixes A-B)	AD B044 048L
TR SL-79-14	Nov 1979	Earthquake Analysis of the Modified Geometry of the Concrete Nonoverflow Section, Richard B. Russell Dam, by C. D. Norman (includes Appendix A)	AD A079 693
TR SL-79-15	Dec 1979	Projectile Penetration in Soil and Rock: Analysis for Non-Normal Impact, by R. S. Bernard and D. C. Creighton (includes Appendixes A-C)	AD A081 044
* TR SL-80-1	Mar 1980	Response of Buried Hardened Box Structures to the Effects of Localized Explosions, by S. A. Kiger and G. E. Albritton (includes Appendixes A-D)	AD B046 322L
* TR SL-80-2	Apr 1980	Federal Republic of Germany Dynamic Tests of Statically Designed Structures in the MISERS BLUFF II-1 Event, by J. W. Ball and R. R. Kaufmann (includes Appendixes A-B)	AD B047 455L
* TR SL-80-3	May 1980	MISERS BLUFF; Phase II, Event 1, Bridge Test: Pretest Analysis, Construction, and Test Data, by J. W. Ball (includes Appendixes A-C)	AD B048 443L
	Apr 1981	Errata Sheet No. 1	

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Number	Date	Title	AD Number
TR SL-80-4		Strength Design of Reinforced Concrete Hydraulic Structures:	
	Jul 1980	Report 1 Preliminary Strength Design Criteria, by T. C. Liu (includes Appendixes A-D)	AD A087 691
	Dec 1981	Report 2 Design Aids for Use in the Design and Analysis of Reinforced Concrete Hydraulic Structural Members Subjected to Combined Flexure and Axial Loads, by T. C. Liu and Scott Gleason (includes Appendix A)	AD A111 648
	Jan 1982	Report 3 T-Wall Design, by T. C. Liu (includes Appendixes A-D)	AD A113 629
	Aug 1986	Report 4 Load-Moment Characteristics of Reinforced Concrete Circular Conduits, by V. P. Chiarito and P. F. Mlakar (includes Appendixes A-E)	AD A173 229
	Apr 1987	Report 5 Experimental Study on the Ultimate Behavior of Model Reinforced Concrete Circular Conduits, by R. S. Wright and V. P. Chiarito (includes Appendixes A-H)	AD A182 451
	Jul 1987	Report 6 Analytical Study of the Ultimate Behavior of Model Reinforced-Concrete Circular Conduits, by K. H. Gerstle	AD A184 882
	Sep 1988	Report 7 Strength of Circular Reinforced Concrete Conduits, Analysis and Design, by K. H. Gerstle (includes Appendixes A-D)	AD A199 894
	Sep 1989	Report 8 Design of Buried Circular Conduits-Flexure and Shear, by S. C. Woodson (includes Appendix)	AD A212 815
	Aug 1989	Report 9 Analysis and Design of Reinforced Concrete Conduits, by K. H. Gerstle, Piotr Noakowski, and Thomas Rauscher (includes Appendixes A-B)	AD A212 036
TR SL-80-5	Jul 1980	Development of a Program for Computer-Based Resistance Analysis (COBRA), by J. B. Cheek, Jr. (includes Appendix A)	AD A088 420
TR SL-80-6	Sep 1980	Study for Development of Fiberglass Reinforced Plastic Earth-Covered Ammunition Storage Magazines (includes Appendix A)	AD A090 277
TR SL-80-7		Vulnerability of Shallow-Buried Flat-Roof Structures:	
*	Sep 1980	Report 1 Foam HEST 1 and 2, by S. A. Kiger and J. V. Getchell (includes Appendixes A-D)	AD B052 887L
*	Oct 1980	Report 2 Foam HEST 4, by J. V. Getchell and S. A. Kiger (includes Appendixes A-C)	AD B053 650L
*	Feb 1981	Report 3 Foam HEST 5, by J. V. Getchell and S. A. Kiger (includes Appendixes A-D)	AD B057 047L
*	Dec 1981	Report 4 Foam HEST 3 and 6, by J. V. Getchell and S. A. Kiger (includes Appendixes A-C)	AD B062 507L

* Statement B. See Preface.

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Number	Date	Title	AD Number
TR SL-80-7 (Cont'd)		Vulnerability of Shallow-Buried Flat-Roof Structures: (Cont'd)	
*	Feb 1982	Report 5 Foam HEST 7, by S. A. Kiger and J. V. Getchell (includes Appendix A)	AD B064 380L
*	Sep 1984	Report 6 Final Report: A Computational Procedure, by S. A. Kiger, T. R. Slawson, and D. W. Hyde (includes Appendixes A-C)	AD B086 868L
* TR SL-80-9	Oct 1980	Static Loading of Shallow-Buried Model Cylinders, Phase III of III, by V. T. Cost and J. M. Watt, Jr. (includes Appendix A)	AD B054 667L
TR SL-81-1	Mar 1981	Design of Dowels for Anchoring Replacement Concrete to Vertical Lock Walls, by T. C. Liu and T. C. Holland (includes Appendixes A-B)	AD A100 104
* TR SL-81-3	Apr 1981	Response of Buried MX Vertical Shelters to Dynamic Loading, by G. E. Albritton (includes Appendixes A-D)	AD B058 897L
TR SL-81-4	Jul 1981	Test and Analysis of Upgraded One-Way Reinforced Concrete Floor Slabs, by M. K. McVay (includes Appendixes A-C)	AD A103 544
TR SL-81-5		Project SPERRE:	
*	Jul 1981	Report 1 Phase I: Literature Survey--Explosive Cratering Tests in Rock, by C. C. McAneny	AD B060 073L
*	Jul 1981	Report 2 Phase I: Literature Survey--Analysis of Literature Data for Explosive Cratering Tests in Rock, by L. K. Davis and C. C. McAneny (includes Appendixes A-B)	AD B060 074L
*	Jul 1981	Report 3 Phase II: Field Tests--Explosive Cratering Experiments in Granite and Sandstone, by L. K. Davis, C. C. McAneny, and C. E. Joachim (includes Appendixes A-F)	AD B060 075L
*	Jul 1981	Report 4 Phase III: Fundamental Studies--Experimental and Analytical Modeling of Explosive Crater Formation in Jointed Rock, by L. K. Davis	AD B060 076L
*	Jul 1981	Report 5 Summary Report: Road Cratering in Rock with Preemplaced Charges, by L. K. Davis and C. C. McAneny	AD B060 077L
TR SL-81-6	Sep 1981	The Influence of a Shallow Water Table on Cratering, by B. L. Carnes (includes Appendixes A-D)	AD A105 464
TR SL-81-7	Oct 1981	Comparison of Vibration Test Results for a Model and Prototype Gravity Dam, by C. D. Norman and H. E. Stone (includes Appendix A)	AD A107 994
* TR SL-82-2	Feb 1982	MIDDLE GUST Series: Cratering by Large High-Explosive Detonations on a Clay-Over-Shale Medium, by J. W. Meyer, C. C. McAneny, and A. D. Rooke, Jr.	AD B064 555L
TR SL-82-3	Apr 1982	A Review of Methods for Concrete Removal, by R. L. Campbell, Sr.	AD A114 100

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-82-4	Apr 1982	Investigation of the Rapid Analysis Machine (RAM) for Determining the Cement Content of Fresh Concrete, by J. G. Tom	AD A117 669
	Sep 1982	Errata Sheet No. 1	
TR SL-82-5		Subscale MX Shelter Closure Structural Response Test Program:	
*	Jun 1982	Report 1 Phases I and II Closure Static Tests, by P. S. Eagles and G. E. Albritton (includes Appendixes A-E)	AD B067 560L
*	Jul 1982	Report 2 Static Tests on Phase II Closure-Headworks Assemblies, by M. I. Hammons, G. E. Albritton, and P. S. Eagles (includes Appendixes A-F)	AD B068 745L
*	Aug 1982	Report 3 Dynamic Tests on Closure-Headworks Assemblies, by M. I. Hammons and G. E. Albritton (includes Appendixes A-J)	AD B068 668L
TR SL-82-7	Sep 1982	Non-normal Projectile Penetration in Soil and Rock: User's Guide for Computer Code PENCO2D, by D. C. Creighton (includes Appendixes A-H)	AD A121 890
TR SL-82-8	Oct 1982	Seismic Analysis of Intake Towers, by P. F. Mlakar and P. S. Jones (includes Appendixes A-B)	AD A123 578
TR SL-82-9	Oct 1982	Annotated Bibliography: Polymers in Concrete, by J. E. McDonald and E. F. O'Neil (includes Appendixes A-D)	AD A123 414
TR SL-82-10	Dec 1982	An Elastic-Viscoplastic Constitutive Model for Earth Materials, by G. Y. Baladi and Behzad Rohani	AD A123 393
* TR SL-83-1	Mar 1983	Field Artillery Emplacements Development and Weapons Effects Evaluation, by R. W. White (includes Appendixes A-E)	AD B074 005L
TR SL-83-2	May 1983	Vibration Test of Richard B. Russell Concrete Dam Before Reservoir Impoundment, by V. P. Chiarito and P. F. Mlakar (includes Appendixes A-B)	AD A128 844
TR SL-83-3	Jun 1983	Kinetic Shear Strength of Three Rock Types, by J. Q. Ehrgott (includes Appendixes A-B)	AD A132 692
TR SL-83-4	Oct 1983	An Objective Waveform Comparison Technique, by G. Y. Baladi and D. E. Barnes (includes Appendix A)	AD A136 130
* TR SL-83-5	Sep 1983	Munitions/Bare Charge Equivalence (MBCE) in Soil, by C. E. Joachim and L. K. Davis (includes Appendixes A-C)	AD B078 483L
TR SL-83-6	Sep 1983	An Evaluation of the Separated Bay Concept for a Munition Assembly Complex; An Experimental Investigation of the Department of Energy Building 12-64 Complex, by R. D. Volz and S. A. Kiger (includes Appendixes A-H)	AD A137 467

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-83-7	Dec 1983	Tests and Evaluation of Upgraded Flat-Plate and Waffle-Slab Floor Systems, by S. C. Woodson and M. K. McVay (includes Appendixes A-D)	AD A139 005
TR SL-84-1	Jan 1984	Concrete Behavior Under Dynamic Tensile-Compressive Load, by P. F. Mlakar, K. P. Vitaya-Udom, and R. A. Cole	AD A141 735
* TR SL-84-4	Apr 1984	MILL RACE Event, 16 September 1981, Experiments 2601 and 2602, Industrial Structures Test, by J. M. Watt, Jr. (includes Appendixes A-E)	AD B085 129L
TR SL-84-6	May 1984	Tests and Analyses of 1/4-Scale Upgraded Nine-Bay Reinforced Concrete Basement Models, by S. C. Woodson (includes Appendixes A-C)	AD A146 813
TR SL-84-7	Apr 1984	Dynamic Shear Failure of Shallow-Buried Flat-Roofed Reinforced Concrete Structures Subjected to Blast Loading, by T. R. Slawson (includes Appendixes A-E)	AD A145 974
TR SL-84-8	Jun 1984	Selected Bibliography on Construction Methods for Architectural Concrete and Portland-Cement Plaster, by R. H. Denson	AD A143 102
TR SL-84-9	Jun 1984	How to Avoid Deficiencies in Architectural Concrete Construction, by J. A. Dobrowolski and J. M. Scanlon	AD A144 689
TR SL-84-10	Jun 1984	How to Avoid Deficiencies in Portland-Cement Plaster Construction, by J. W. Ribar and J. M. Scanlon	AD A144 688
* TR SL-84-11		SILO TEST PROGRAM (STP) 3.5A EVENT:	
	Aug 1986	Volume I: The Test Environment, by C. R. Welch, P. S. Eagles, J. S. Zelasko, et al. (includes Appendixes A-B)	AD B106 142L
TR SL-84-12	Jul 1984	Reactivity of Quartz at Normal Temperatures, by A. D. Buck and Katharine Mather	AD A146 888
TR SL-84-13	Jul 1984	Blast Door and Entryway Design and Evaluation, by D. W. Hyde and S. A. Kiger (includes Appendix A)	AD A146 814
* TR SL-84-14	Sep 1984	Kirtland Underground Munitions Storage Complex Model Designs, Construction, and Test Data, by J. W. Ball, J. T. Baylot, and S. A. Kiger (includes Appendixes A-F)	AD B088 197L
TR SL-84-15		Peacekeeper Quantity-Distance Verification Program: Quantity-Distance Tests (QDT):	
*	Sep 1984	Main Text and Appendices A Through F, by P. S. Jones, D. L. Tilson, L. K. Davis, et al.	AD B090 671L
*	Dec 1984	Appendix G, by P. S. Jones, D. L. Tilson, L. K. Davis, et al.	AD B091 921L
* TR SL-84-16	Sep 1984	Vulnerability of an Underground Weapon Storage Facility, by J. T. Baylot (includes Appendixes A-C)	AD B089 234L
TR SL-84-17	Oct 1984	No-Slump Roller-Compacted Concrete (RCC) for Use in Mass Concrete Construction, by K. L. Saucier	AD A148 564

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-84-18	Oct 1984	Response of Earth-Covered Slabs in Clay and Sand Backfills, by S. A. Kiger, P. S. Eagles, and J. T. Baylot	AD A149 296
* TR SL-84-19	Oct 1984	DIRECT COURSE Event, 26 October 1983, Federal Republic of Germany; Model Slab Structures Test, by T. C. Falls and J. M. Watt, Jr. (includes Appendixes A-C)	AD B089 217L
TR SL-84-21	Dec 1984	Cement Composition and Concrete Durability in Sea Water, by A. D. Buck, Katharine Mather, and Bryant Mather	AD A152 288
TR SL-84-22	Dec 1984	Airblast Attenuation in Entranceways and Other Typical Components of Structures; Small-Scale Tests Data Report 1, by J. R. Britt and C. D. Little, Jr. (includes Appendixes A-D)	AD A157 002
TR SL-84-23	Dec 1984	Airblast Attenuation in Entranceways and Other Typical Components of Structures; Small-Scale Tests Data Report 2, by C. D. Little, Jr. (includes Appendixes A-B)	AD A157 003
* TR SL-85-1	Feb 1985	Advanced Storage Concepts: Roof Entry Tests, by J. T. Baylot (includes Appendixes A-B)	AD B091 433L
* TR SL-85-2	Jun 1985	Industrial Structures Test, DIRECT COURSE Event, 26 October 1983, by T. C. Falls and J. M. Watt (includes Appendixes A-C)	AD B094 128
* TR SL-85-3	Jul 1985	Probabilistic Approach to Two-Dimensional Projectile Penetration into Geologic Targets, by D. C. Creighton (includes Appendixes A-B)	AD B096 152L
TR SL-85-4	Aug 1985	Effects of Shear Stirrup Details on Ultimate Capacity and Tensile Membrane Behavior of Reinforced Concrete Slabs, by S. C. Woodson (includes Appendixes A-C)	AD A161 222
TR SL-85-5	Aug 1985	Effects of Reinforcement Configuration on Reserve Capacity of Concrete Slabs, by S. C. Woodson and S. B. Garner (includes Appendixes A-C)	AD A162 155
TR SL-85-6	Sep 1985	Force-Pulse Tests of Tactical Communication Equipment, by R. D. Crowson and Frederick Safford (includes Appendixes A-K)	AD A162 421
* TR SL-85-7	Oct 1985	WES Medium Level (WML) Stress Gage, by C. R. Welch (includes Appendix A)	AD B098 831L
TR SL-85-8	Oct 1985	Structural Element Tests in Support of the Keyworker Blast Shelter Program, by T. R. Slawson, H. M. Taylor, Jr., F. D. Dallriva, and S. A. Kiger (includes Appendixes A-B)	AD A165 136
TR SL-85-9	Oct 1985	Expansive Grout Plug Effects in Restrained Environments, by C. E. Pace and C. W. Gulick (includes Appendixes A-F)	AD A163 009
* TR SL-86-1	Feb 1986	Static and Dynamic Slab Tests Conducted at WES: FY 78-84, by L. K. Guice and T. R. Slawson (includes Appendixes A-C)	AD B101 625L

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD number</u>
TR SL-86-2	Feb 1986	Effects of Edge Restraint on Slab Behavior, by L. K. Guice (includes Appendixes A-C)	AD 167 447
TR SL-86-3	Apr 1986	Large-Scale Shallow-Buried Structure Test, by F. D. Dallriva and T. R. Slawson (includes Appendix A)	AD B102 277L
* TR SL-86-4	Apr 1986	Mine-Clearing Performance of XM263 Blasting Agent Line Charge, by M. B. Ford	AD B102 461L
TR SL-86-5	Apr 1986	Yield Effects on the Response of a Buried Blast Shelter, by T. R. Slawson, S. B. Garner, and S. C. Woodson (includes Appendixes A-B)	AD A169 320
TR SL-86-6	May 1986	Dynamic Test of a Corrugated Steel Keyworker Blast Shelter, by S. C. Woodson, T. R. Slawson, and R. L. Holmes (includes Appendixes A-D)	AD A168 736
TR SL-86-7	May 1986	Probabilistic Non-Normal Projectile Penetration in Soil and Rock: User's Guide for Computer Code PROPEN, by D. C. Creighton (includes Appendixes A-F)	AD B103 945L
TR SL-86-8	May 1986	Tests and Analyses of the Panama Canal Locks Tow Track System, by V. T. Cost	AD A170 444
* TR SL-86-9	May 1986	Revised Vehicle Dynamics Module: User's Guide for Computer Program VEHDYN II, by D. C. Creighton (includes Appendixes A-E)	AD B102 925L
TR SL-86-10	May 1986	Variations in Cementitious Media, by R. E. Reinhold, R. E. Richter, A. D. Buck, et al. (includes Appendixes A-F)	AD A171 753
* TR SL-86-11	Jun 1986	Hollow Line-Charge Concept: Experimental Evaluation, by M. B. Ford	AD B104 817L
TR SL-86-12		Hard Silo Component Test Program:	
*	Oct 1986	Report 1 Closure Component Static Tests, by M. I. Hammons, G. E. Albritton, J. P. Balsara, et al. (includes Appendixes A-F)	AD B107 781L
*	Oct 1986	Report 2 Addendum A to Closure Component Static Tests, by M. I. Hammons, G. E. Albritton, J. P. Balsara, et al. (includes Appendix)	AD B109 002L
	Dec 1986	Report 10 Static Test of Small-Scale Dome Closures, by M. I. Hammons, G. E. Albritton, J. P. Balsara, et al. (includes Appendix A)	
*	Dec 1986	Report 30 Core Static Tests 3, 4, 5, and 8 (CST-3, CST-4, CST-5, and CST-8), by V. T. Cost, G. E. Albritton, and J. P. Balsara (includes Appendixes A-D)	AD B109 604L
*	Dec 1986	Report 31 Core Static Tests 1 and 2 (CST-1 and CST-2), by V. T. Cost, G. E. Albritton, J. P. Balsara, and John Karagozian (includes Appendixes A-C)	AD B109 448L

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-86-12 (Cont'd)		Hard Silo Component Test Program: (Cont'd)	
* Dec 1986 Report 32		Core Static Tests 9, 10, and 11 (CST-9, CST-10, and CST-11), by V. T. Cost and John Karagozian (includes Appendixes A-D)	AD B109 556
* Dec 1986 Report 39		Core Static Tests 13, 14, 15, and 16 (CST-13, CST-14, CST-15, and CST-16), by V. T. Cost and John Karagozian (includes Appendixes A-D)	AD B109 449L
* Dec 1986 Report 40		Core Static Tests 6 and 7 (CST-6 and CST-7), by V. T. Cost and Ivan Nelson (includes Appendixes A-B)	AD B109 715L
* Aug 1987 Report 59		Ordnance Debris Removal Tests 1, 2, and 3 (ODR-1, -2, and -3), by D. H. Nelson and Joe Valancius (includes Appendixes A-B)	
* Aug 1987 Report 62		Shear Friction Test 2-1 (SF-2-1), by J. T. Baylot, R. L. Holmes, and R. E. Walker (includes Appendixes A-E)	
* Sep 1987 Report 64		Shear Friction Test 2-2 (SF-2-2), by R. L. Holmes, J. T. Baylot, and R. E. Walker (includes Appendixes A-D)	
* Aug 1987 Report 65		Shear Friction Test 2-3 (SF-2-3), by J. T. Baylot, R. L. Holmes, and R. E. Walker (includes Appendixes A-E)	
* Aug 1987 Report 66		Shear Friction Test 2-4 (SF-2-4), by J. T. Baylot, R. L. Holmes, and R. E. Walker (includes Appendixes A-E)	
* Aug 1987 Report 67		Shear Friction Test 2-5 (SF-2-5), by J. T. Baylot, R. L. Holmes, and R. E. Walker (includes Appendixes A-C)	
Sep 1987 Report 72		Large-Scale Reinforcing Steel Pullout Tests, by D. M. Smith	
TR SL-86-13	Jul 1986	Blast Analysis and Design of Rocket Engine Test Facility Control Rooms, by R. C. Dove and S. A. Kiger (includes Appendixes A-E)	AD A171 679
TR SL-86-14		Ralston Valley Soil Compressibility Study:	
* Sep 1986 Report 1		Quick-Look Report for DISC Test I, by A. E. Jackson, Jr., D. W. Murrell, J. S. Zelasko, and F. W. Skinner, Jr. (includes Appendix A)	AD B104 951
* Sep 1986 Report 2		Quick-Look Report for DISC Test II, by A. E. Jackson, Jr. and J. S. Zelasko (includes Appendix A)	AD B104 952
* Sep 1986 Report 3		Laboratory Test Results, by B. R. Phillips and A. E. Jackson, Jr. (includes Appendixes A-B)	AD B104 807

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-86-14 (Cont'd)		Ralston Valley Soil Compressibility Study:	
*	Sep 1986	Report 4 Data Base Generation and User's Guide for Computer Program SARFORMS, by D. C. Creighton (includes Appendixes A-E)	AD B104 953
*	Sep 1986	Report 5 Correlation of Laboratory Uniaxial Strain Compressibility with Field Seismic Refraction Data, by E. H. Vanmarcke, A. E. Jackson, Jr., and S. A. Akers (includes Appendixes A-B)	AD B105 042
*	Sep 1986	Report 6 Experimental Evaluation of Static Uniaxial Strain Prediction Procedure, by M. L. Green	AD B104 880
* TR SL-86-15	Sep 1986	Laboratory Test Results for Nellis Baseline Sand, by J. D. Cargile	AD B104 889L
TR SL-86-16		Geotechnical Investigation for the CARES-Dry Site:	
*	Sep 1986	Report 1 Results from Subsurface Exploration Programs, by J. D. Cargile and R. E. Wahl (includes Appendixes A-B)	AD B104 922L
*	Sep 1986	Report 2 Laboratory Test Results, by J. D. Cargile	AD B105 040L
* TR SL-86-17	Sep 1986	Results of Laboratory Tests on Nonprestressed Samples of Clayey Sand from the ISST Test Area, by J. D. Cargile	AD B105 122L
TR SL-86-18		Geotechnical Investigation for DIRECT COURSE and Related Events:	
*	Sep 1986	Report 1 Results from Subsurface Exploration Programs, by B. R. Phillips (includes Appendixes A-B)	AD B105 165L
*	Sep 1986	Report 2 Laboratory Test Results, by B. R. Phillips (includes Appendixes A-C)	AD B105 043L
*	Sep 1986	Report 3 Geologic Profile and Material Property Recommendations, by B. R. Phillips	AD B104 921L
* TR SL-86-19	Sep 1986	Pretest and Posttest Geophysical Investigations at the ISST Test Site, by J. D. Cargile, T. B. Kean II, M. K. Sharp, et al. (includes Appendixes A-C)	AD B104 999L
TR SL-86-20		Shear Friction Test Support Program:	
*	Sep 1986	Report 1 Laboratory Test Results for WES Flume Sand Backfill, by M. L. Green	AD B104 823L
*	Sep 1986	Report 2 Laboratory Test Results for SRI Air-Dry ASTM C33 Sand, by D. M. Smith	AD B104 943L
*	Sep 1986	Report 3 Laboratory Friction Test Results for WES Flume Sand Against Steel and Grout, by C. M. Mueller	AD B105 175L
*	Nov 1986	Report 4 Results from Subsurface Exploration of Test Site, by M. L. Green	AD B107 935
*	May 1987	Report 6 Design and Construction, Pretest Predictions, and Posttest Analysis of Shear Friction Test 2-1 (SF-2-1), by J. E. Windham, W. C. Dickson, T. K. Cummins, and M. L. Green (includes Appendixes A-E)	AD B113 424

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-86-21		In Situ Backfill Property Test Program:	
*	Sep 1986	Report 1 Results from DISKO-1 on Dry Flume Sand, by J. E. Windham (includes Appendixes A-B)	AD B106 054L
*	Sep 1986	Report 2 Results from DISKO-2 on Dry Flume Sand, by J. E. Windham (includes Appendixes A-B)	AD B105 423L
*	Sep 1986	Report 5 Laboratory Test Results for Silty Clay Backfill, by M. L. Green	AD B104 899L
* TR SL-86-22	Sep 1986	Results of Plane One-Dimensional Ground Shock Calculations for a Baseline Clay/Clay Shale Geology, by R. W. Meier (includes Appendixes A-H)	AD B105 041L
TR SL-86-23	Sep 1986	Axisymmetric Strain-Path and Stress-Path Tests on CARES-Dry Clayey Sand, by S. A. Akers	AD A171 489
TR SL-86-24	Sep 1986	Axisymmetric Strain Path Tests on Nellis Baseline Sand, by S. A. Akers	AD A171 468
* TR SL-86-25	Sep 1986	Laboratory Friction Test Results for ISST Clayey Sand Against Steel and Grout, by C. M. Mueller	AD B105 044L
* TR SL-86-26	Sep 1986	Nitromethane Drum Storage Blast Vulnerability, DNA Projects 8065-8068, Minor Scale Event, by D. D. Rickman	AD B105 216L
TR SL-86-27	Sep 1986	Mechanical Response of Dry Reid-Bedford Model Sand and Saturated MISERS BLUFF Sand, by B. R. Phillips	AD A171 497
TR SL-86-28	Sep 1986	Mechanical Properties of MISERS BLUFF Sand, by B. R. Phillips	AD A171 499
TR SL-86-29	Sep 1986	Mechanical Properties of Reid-Bedford Model Sand, by B. R. Phillips	AD A171 498
TR SL-86-30	Aug 1986	Steerability Analysis of Tracked Vehicles: Theory and User's Guide for Computer Program TVSTEER, by G. Y. Baladi, D. E. Barnes, and R. P. Berger (includes Appendixes A-D)	AD A172 008
* TR SL-86-31	Aug 1986	Results of Laboratory Tests on Prestressed Samples of Clayey Sand From the ISST Test Area, by J. D. Cargile	AD B106 968L
TR SL-86-32	Sep 1986	Behavior of Partially Restrained Reinforced Concrete Slabs, by L. K. Guice (includes Appendixes I-III)	AD A174 597
TR SL-86-33	Sep 1986	Dynamic Failure Tests and Analysis of a Model Concrete Dam, by C. D. Norman	AD A173 500
TR SL-86-34	Oct 1986	Development of a Theoretically Sound Cap Model for Fitting ISST-Type Material Behavior, by G. Y. Baladi	AD A173 057
TR SL-86-35	Sep 1986	A Study of Explosive Wave Propagation in Granular Materials with Microstructure, by M. H. Sadd, Mohammad Hossain, and Behzad Rohani (includes Appendix A)	AD A173 015
TR SL-86-36	Sep 1986	Development and Field Placement of an Expansive Salt-Saturated Concrete (ESC) for the Waste Isolation Pilot Plant (WIPP), by L. D. Wakeley and D. M. Walley (includes Appendixes A-D)	AD A175 199

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
* TR SL-86-37	Oct 1986	Simulated Nitromethane Blast and Shock Vulnerability Experiments, MINOR SCALE Event, by J. K. Ingram and D. D. Rickman	AD B106 881L
* TR SL-86-38	Nov 1986	Survivability Analysis of a Weapon Storage Vault, by F. D. Dalliriva and S. A. Kiger (includes Appendix A)	AD B107 409L
* TR SL-86-39	Nov 1986	Wiancko Accelerometer Ground Motion Subexperiment, MINOR SCALE Event, by D. D. Rickman and J. K. Ingram (includes Appendixes A-B)	
TR SL-86-40	Dec 1986	Demonstration Test of the Keyworker Blast Shelter: MINOR SCALE, by S. C. Woodson and T. R. Slawson (includes Appendixes A-C)	AD A176 749
TR SL-86-41	Nov 1986	Mechanical Properties of Antelope Lake Soils, by S. A. Akers	AD A175 681
* TR SL-86-42	Dec 1986	Mechanical Properties of Expanded Polystyrene Concrete with Fly Ash, by S. A. Akers	AD B109 161L
TR SL-86-43	Dec 1986	Precast Roof Tests in Support of the Keyworker Blast Shelter Program, by S. B. Garner (includes Appendixes A-D)	
TR SL-86-44	Dec 1986	Seismic Analysis of Gravity Dams, by R. A. Cole and J. B. Cheek (includes Appendixes A-G)	AD A176 899
* TR SL-86-45	Dec 1986	Uniaxial Strain Response of Enewetak Beach Sand, by S. A. Akers (includes Appendixes A-C)	AD B111 070L
TR SL-86-46	Dec 1986	Loading Rate Effects on the One-Dimensional Compressibility of Four Partially Saturated Soils, by J. V. Farr (includes Appendixes A-D)	AD A181 388
TR SL-86-47		Influence of Material Models on Ground Shock Environments:	
*	Dec 1986	Report 1 Three-Invariant H-E-P Model with Separate Reloading (In WAVE-L), by M. H. Wagner, H. D. Zimmerman, G. C. Cooper, et al.	AD B114 865
*	Dec 1986	Report 2 Stick-Type H-E-P Model (In WAVE-L), by M. H. Wagner, H. D. Zimmerman, G. C. Cooper, et al.	AD B114 689
*	Dec 1986	Report 3 Stick-Type H-E-P Model (In CRALE), by S. C. Katz, S. H. Schuster, J. B. Wilson, and Y. M. Ito	
*	Dec 1986	Report 4 Eight-Parameter Cap Model (In CRALE), by J. B. Wilson, S. H. Schuster, S. C. Katz, and Y. M. Ito	AD B114 495L
*	Dec 1986	Report 5 Strain-Dependent Cap Model (In CRALE), by S. C. Katz, S. H. Schuster, J. B. Wilson, and Y. M. Ito	AD B114 168L
*	Dec 1986	Report 6 Strain-Dependent Cap Model with Separate Reloading (In CRALE), by S. C. Katz, S. H. Schuster, J. B. Wilson, and Y. M. Ito	AD B114 507L

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TR SL-87-2		Peacekeeper Follow-On Basing Program:	
*	Jun 1987	Report 1 Carry Hard Experiment on Silo in and Near Crater (SINC) Test, by A. L. Harris and P. W. Graham	AD B142 206
*	Aug 1987	Report 2 Carry Hard Test 1 (CHT-1), by D. L. Ward and Robert Strome (includes Appendixes A-C)	AD B115 783
*	Aug 1987	Report 3 Carry Hard Test 1R (CHT-1R), by D. H. Nelson and Robert Strome (includes Appendixes A-E)	AD B114 990
*	Dec 1987	Report 4 Carry Hard Test 2 (CHT-2), by D. H. Nelson, J. E. Windham, and W. C. Dickson (includes Appendixes A-K)	AD B142 195
*	Sep 1987	Report 5 Shallow Tunnel Test, by D. L. Ward, W. G. Johnson, J. E. Windham, and W. C. Dickson	
*	Sep 1987	Report 6 Shallow Tunnel Test 2 Calibration (STT-2 CAL), by D. L. Tilson, J. E. Windham, W. C. Dickson, et al.	
*	Aug 1987	Report 7 Carry Hard Test 3 (CHT-3), by P. W. Graham, D. K. Hendry, D. D. Rickman, and J. E. Windham (includes Appendixes A-G)	AD B142 207
*	Sep 1987	Report 8 Carry Hard Test 3 Retest (CHT-3R), by D. K. Hendry, P. W. Graham, D. D. Rickman, and J. E. Windham (includes Appendixes A-F)	AD B142 208
* TR SL-87-3	Jan 1987	Numerical Analyses of Flared EPW Penetration Performance in Weathered Rock, by Y. M. Ito, Yoshio Muki, M. D. Gelman, and R. B. Nelson (includes Appendix A)	AD B110 695
TR SL-87-4		A Methodology for Probabilistic Two-Dimensional Ground Shock Calculations:	
*	Jan 1987	Report 1 Development of a Probabilistic Constitutive Model, by G. Y. Baladi and B. Rohani	AD B110 862L
*	Aug 1989	Report 2 Development and Evaluation of a Practical Probabilistic Ground Shock Calculation Methodology, by G. Y. Baladi and B. Rohani	AD B136 380
TR SL-87-6	Feb 1987	Methods for Controlling Effects of Alkali-Silica Reaction in Concrete, by A. D. Buck and Katharine Mather	AD A178 479
TR SL-87-7	Mar 1987	Nonlinear Response of Concrete Gravity Dams to Strong Earthquake-Induced Ground Motion, by P. F. Mlakar	AD A181 616
* TR SL-87-9	Apr 1987	A Preprocessor for the Revised Vehicle Dynamics Module: User's Guide for Computer Program PREVDYN2, by D. C. Creighton (includes Appendixes A-D)	AD B111 275L

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TR SL-87-10	Apr 1987	Vulnerability Evaluation of the Keyworker Blast Shelter, by T. R. Slawson (includes Appendix A)	AD A182 508
TR SL-87-11		Analysis of Dynamic In Situ Backfill Property Tests:	
	Jul 1987	Report 1 A Method for Removing Oscillations and Damping from Diaphragm-Type Stress Gage Records, by Lynn Seaman (includes Appendixes A-C)	AD A183 528
	Jul 1987	Report 2 An Improved Lagrangian Analysis for Stress and Particle Velocity Gage Arrays, by Lynn Seaman (includes Appendixes A-D)	AD A184 280
	Jul 1987	Report 3 The Modified ONED Program for One-Dimensional Planar Stress Wave Propagation, by Lynn Seaman (includes Appendixes A-D)	AD A183 527
*	Jul 1987	Report 4 Computation of K_2 Stress-Strain and Stress-Path Relations for Dry Flume Sand in the DISKO-1 Experiment, by Lynn Seaman (includes Appendixes A-D)	AD B115 915L
*	Jul 1987	Report 5 Computation of K_2 Stress-Strain and Stress-Path Relations for Dry Flume Sand in the SFT-1 Experiment, by Lynn Seaman	AD B117 169L
TR SL-87-13		Design of Structures to Resist Terrorist Attack:	
*	Oct 1987	Report 1 1/10-Scale Model Perimeter Wall Tests, by P. S. Jones, K. P. Vitaya-Udom, and J. M. Watt, Jr., (includes Appendixes A-D)	AD B117 659L
*	Oct 1987	Report 2 Full-Scale Perimeter Wall and Window Test, by J. M. Watt, Jr. and K. P. Vitaya-Udom (includes Appendixes A-C)	AD B134 084L
*	Dec 1987	Report 3 1/3-Scale Model Exterior Wall Test, and Exterior Bay Roof and Floor Slab Test, by G. P. Clemens and J. M. Watt, Jr. (includes Appendixes A-D)	AD B119 192
*	Oct 1989	Report 5 Embassy Window and Door Blast Standards Verification Program, by D. L. Tilson, J. M. Watt, Jr., Lebron Simmons, and Howard McGee (includes Appendixes A-U)	AD B139 166L
*	Aug 1989	Report 6 Response of an Embassy Lobby to an Internal Bomb, by D. H. Nelson and J. M. Watt, Jr. (includes Appendixes A-D)	AD B136 626L
*	Nov 1989	Report 7 Response of an Embassy Lobby to an Internal Bomb Modified Hardline with Retrofit Support Frame, by D. H. Nelson, J. M. Watt, Jr., and R. L. Holmes (includes Appendixes A-F)	AD B139 167L
* TR SL-87-14	May 1987	Mechanical Response of Undisturbed Cores and Remolded Coral Sand from Enewetak Atoll, by C. M. Mueller	AD B114 061L

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Number	Date	Title	AD Number
* TR SL-87-15	May 1987	Posttest Probabilistic Penetration Analysis for Earth Penetrating Weapon (EPW) Tests at Fort Riley, Kansas, by D. C. Creighton (includes Appendix A)	
TR SL-87-16		Geotechnical Investigation of Surficial Soils to Support Hard Mobile Launcher (HML) Studies:	
*	May 1987	Report 1 White Sands Missile Range, June 1985, by B. R. Phillips	AD B113 163L
*	Dec 1987	Report 2 WSMR, YPG/LBGR, and NTS, September through November 1985, by B. R. Phillips and J. C. Schumacher	AD B120 216L
*	Jul 1988	Report 3 WSMR and YPG/LBGR, February 1986, by B. R. Phillips and J. C. Schumacher	AD B125 308
*	Jul 1988	Report 6 Malmstrom Siting Area, February 1987, by C. M. Mueller, A. E. Jackson, Jr., and T. K. Cummins	AD B122 490L
*	Dec 1988	Report 7 Frozen Strength Characterization of WES/CRREL NH&S Test Sites in Montana, by E. J. Camberlain, Glen Durrell, and Richard Roberts	AD B129 747
*	Sep 1988	Report 8 Malmstrom Siting Area, June 1987, by C. M. Mueller, A. E. Jackson, Jr., and T. K. Cummins	AD B126 208
*	Sep 1988	Report 9 Malmstrom Siting Area, September 1987, by C. M. Mueller, A. E. Jackson, Jr., and T. K. Cummins	AD B128 272
TR SL-87-17		Minuteman Hardness Assessment Program:	
*	Jun 1987	Report 1 Results from Field Drilling and Sampling Program, by M. L. Green and A. E. Jackson, Jr.	AD B113 720L
		Report 3 Estimated Groundwater Table Depths at Each Launch Control Center (LCC) and Launch Facility (LF):	
*	Feb 1989	Volume 1 Main Text and Appendices A-D, by J. V. Farr	AD B130 475
* TR SL-87-18	May 1987	Vulnerability of Selected Structures to CANETIP-Type Munitions, by J. C. Ray, W. L. Huff, R. E. Walker, and L. K. Guice (includes Appendixes A-D)	AD B113 788L
TR SL-87-19		Effects of Site Geology on Ground Shock Environments:	
*	Jun 1987	Report 1 Constitutive Models for Materials I2, I3, and W1-W10, by H. D. Zimmerman, M. H. Wagner, J. A. Carney, and Y. M. Ito	AD B113 906L
TR SL-87-20	Jul 1987	Dependence of Expansion of a Salt-Saturated Concrete on Temperature and Mixing and Handling Procedures, by L. D. Wakeley	AD A185 060
TR SL-87-21	Jul 1987	Thermal Stress Analyses of Mississippi River Lock and Dam 26(R), by A. A. Bombich and C. D. Norman (includes Appendixes A-I)	AD A183 664
* TR SL-87-22	Aug 1987	Crater Ejecta Characteristics and Distribution for the MINOR SCALE Event, by S. H. Scott (includes Appendix A)	AD B115 323L

* Statement B. See Preface.

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* TR SL-87-26	Sep 1987	Advanced Silo Hardness (ASH) Test Program; External Shock Mitigation (ESM) Test, STP 4.5A ADD-ON, by H. S. McDevitt, Jr.	
TR SL-87-27	Sep 1987	Importance of Rigid-Body Motions on a Single-Degree-of-Freedom Model, by R. L. Hall (includes Appendixes A-B)	AD A188 416
* TR SL-87-28	Nov 1987	Evaluation of Cover Systems Against the M180 Cratering Kit, by R. S. Wright and J. W. Ball (includes Appendixes A-C)	AD B120 235L
TR SL-87-29	Nov 1987	Evaluation of Alternate Roof-Wall Details for the Keyworker Blast Shelter, by T. R. Slawson, S. C. Woodson, and A. L. Harris (includes Appendix A)	AD A189 075
* TR SL-87-30	Nov 1987	Impact of AP Projectile into Array of Large Caliber Boulders, by M. D. Gelman, R. B. Nelson, and Y. M. Ito (includes Appendix)	AD B118 174
TR SL-87-31	Nov 1987	Dynamic Test of a Corrugated Steel Keyworker Blast Shelter: MISTY PICTURE, by R. L. Holmes, T. R. Slawson, and A. L. Harris (includes Appendixes A-C)	AD A190 607
* TR SL-88-1	Jan 1988	TRS Blast Environment Evaluation Experiment, MISTY PICTURE Event, Data Report, by D. D. Rickman (includes Appendixes A-B)	AD B118 847L
TR SL-88-2	Jan 1988	Fast Triaxial Shear Device Evaluation, by W. F. Carroll (includes Appendixes A-B)	AD A190 349
* TR SL-88-3	Jan 1988	MISTY PICTURE Ground Motion Measurements, Data Report, by D. D. Rickman and J. K. Ingram (includes Appendixes A-B)	AD B118 156L
TR SL-88-4	Jan 1988	Development and Implementation of Instrumentation for WIPP Test Series A of the Small-Scale Seal Performance Tests, by D. L. Ainsworth	AD A191 174
* TR SL-88-5	Feb 1988	MISTY PICTURE Ground Motion Measurements, Final Report, by D. D. Rickman and J. K. Ingram	
* TR SL-88-8	Feb 1988	Advanced Silo Hardness (ASH) Test Program; External Shock Mitigation (ESM) Tests, EZ-2 and EZ-3, by H. S. McDevitt, Jr., H. W. McGee, Jr., L. F. Ingram, and J. L. Drake (includes Appendixes A-C)	AD B121 097L
TR SL-88-9	Feb 1988	Rate Effects in Shear for CARES-Dry Soil, by W. F. Carroll	
TR SL-88-10	Feb 1988	Summary of the Richard B. Russell Concrete Dam Vibration Study, by R. S. Wright, V. P. Chiarito, and R. L. Hall (includes Appendixes A-E)	AD A191 063
* TR SL-88-11	Mar 1988	Cone-Index-Based Estimates of Soil Strength: Theory and User's Guide for Computer Code CIBESS, by R. W. Meier and G. Y. Baladi (includes Appendixes A-D)	AD B119 406L
TR SL-88-14	Mar 1988	Vibration Test of Richard B. Russell Concrete Dam After Reservoir Impoundment, by T. L. Bevins, V. P. Chiarito, and R. L. Hall	AD A194 190

* Statement B. See Preface.

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* TR SL-88-15	Mar 1988	Initial Conditions and Cubic Power Series Models for Impulse Calculation from Photopole Data, by J. B. Cheek (includes Appendix A)	AD B121 125L
* TR SL-88-17	Mar 1988	Chemical Protection for Army Personnel Shelters, by G. L. Carre (includes Appendixes A-B)	AD B121 775L
* TR SL-88-19	Mar 1988	Crater Ejectra Missile Survey for the MISTY PICTURE Event, by S. H. Scott (includes Appendix A)	AD B121 127L
* TR SL-88-20	Apr 1988	Acoustic Filtering of Kulite HKS Airblast Gages, by D. D. Rickman (includes Appendix A)	AD B121 124L
TR SL-88-22	Jun 1988	Spall Damage of Concrete Structures, by M. K. McVay (includes Appendixes A-D)	AD A199 225
* TR SL-88-23	Jul 1988	High Explosive Tests of Swedish-Norwegian Defense Structures, by R. S. Wright (includes Appendixes A-F)	AD B125 425
TR SL-88-24	May 1988	Review of the Grouting Specification for the Exploratory Shaft, Basalt Waste Isolation Project (BWIP), by L. D. Wakeley, E. F. O'Neill III, and J. A. Boa, Jr. (includes Appendixes A-B)	
TR SL-88-25	Apr 1988	A Technique for Developing Probabilistic Properties of Earth Materials, by J. D. Cargile	AD A195 698
* TR SL-88-26	Apr 1988	Fort Riley Earth Penetration Program: Material Properties Investigation, by J. V. Farr (includes Appendixes A-D)	AD B122 692L
TR SL-88-27		Research Studies on the Behavior of NTS Tuffs and Containment Grouts:	
*	Mar 1989	Report 1 Results from FY 85 Laboratory Tests, by S. A. Akers	AD B131 732
*	Apr 1988	Report 2 Results from FY 87 Laboratory Tests on HSSL-50/50, DSRM-2, and ME8-05(CC) Grouts, by J. V. Farr and A. E. Jackson, Jr.	AD B123 154L
TR SL-88-28		Terrain-Vehicle Interaction Models to Support Hard Mobile Launcher (HML) Studies:	
*	Jun 1988	Report 1 Three-Dimensional Sliding Stability Model for Rigid-Base HML Vehicles on Flat Terrain, by R. W. Meier and G. Y. Baladi (includes Appendixes A-F)	AD B123 683
TR SL-88-29	Jun 1988	Use of Pozzolan or Slag in Concrete To Control Alkali-Silica Reaction and Sulfate Attack, by A. D. Buck	AD A198 810
* TR SL-88-31	Aug 1988	LB/TS Ground Shock Transmission Evaluation Experiment, by J. K. Ingram and D. D. Rickman (includes Appendixes A-C)	AD B126 370L
TR SL-88-32	Aug 1988	Analysis of Stresses and Force Resultants in Oblong Conduits Under Uniformly Distributed Loads, by R. S. Sandhu and Chia-chi Chen	AD A198 853

* Statement B. See Preface.

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<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
TR SL-88-34	Aug 1988	Sulfate Resistance of Mortars Made Using Portland Cement and Blends of Portland Cement and Pozzolan or Slag, by G. S. Wong and Toy Poole (includes Appendixes A-D)	AD A199 383
* TR SL-88-35	Sep 1988	Ground Motion Measurements, Projects 8060 and 9200, MINOR SCALE Event, by J. K. Ingram and D. D. Rickman (includes Appendixes A-B)	AD B126 035
TR SL-88-37	Sep 1988	Static Tests of Shallow-Buried Reinforced Concrete Arches, by F. D. Dallriva and R. L. Hall (includes Appendixes A-C)	AD A200 456
* TR SL-88-38	Sep 1988	Results of Axisymmetric Strain-Path and Stress-Path Tests on Yuma Clayey Sand, by C. M. Mueller, S. A. Akers, and A. E. Jackson, Jr. (includes Appendix A)	AD B126 249
* TR SL-88-39	Oct 1988	Expedient Field Fortifications Using Sand-Grid Construction, by P. G. Hayes (includes Appendixes A-C)	AD B127 586L
* TR SL-89-1	Jan 1989	Peacekeeper Rail Garrison Train Alert Shelter (TAS) Spacing Study, by J. S. Shore, D. L. Ward, G. E. Pace, et al. (includes Appendixes A-C)	AD B129 231
* TR SL-89-2	Jan 1989	Scale Model T-Beam Tests to Determine the Terminal Effects Required for Bridge Demolition, by J. C. Ray and W. L. Huff (includes Appendix A)	AD B129 531
* TR SL-89-3	Jan 1989	Development of a High-Range Particle-Velocity Gage, by H. G. White (includes Appendixes A-C)	
TR SL-89-4	Mar 1989	Simplified Earthquake Analysis of Gated Spillway Monoliths of Concrete Gravity Dams, by A. K. Chopra and Hanchen Tan (includes Appendixes A-C)	AD A207 080
TR SL-89-5	Apr 1989	Evaluation of Barrier Cable Impact Pad Materials, by T. B. Husbands and D. L. Bean (includes Appendixes A-C)	AD A207 554
TR SL-89-6	Jun 1989	Thermal Stress Analysis of Lock Wall, Dashields Locks, Ohio River, by M. I. Hammons, S. B. Garner, and D. M. Smith	AD A210 410
TR SL-89-8	Jun 1989	Analysis of Structural Instrumentation Data for Lock and Dam No. 1, Red River, by R. C. Donahey and R. L. Hall	AD A210 194
* TR SL-89-9	Jul 1989	Static Test and Dynamic Analysis of Standard Construction Components, by Lebron Simmons, D. L. Tilson, and J. M. Watt, Jr. (includes Appendixes A-B)	AD B134 507L
* TR SL-89-10	Aug 1989	Peacekeeper Rail Garrison Train Alert Shelter (TAS) Spacing Study; Addendum 1, by J. S. Shore, D. L. Ward, G. E. Pace, et al. (includes Appendixes A-C)	AD B135 377
TR SL-89-11	Sep 1989	Analysis of Posttensioned Anchor Bond-Stress Distribution, Point Marion Lock, Monongahela River, by D. M. Smith and M. I. Hammons	AD A213 498
* TR SL-89-12	Oct 1989	Ammonium Perchlorate Oxidizer Detonation Sensitivity Characterization Tests, by C. E. Joachim	AD B140 739L

* Statement B. See Preface.

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* TR SL-89-14	Oct 1989	Advanced Silo Hardness (ASH) Add-On Experiment to the Combined DIHEST Calibration Test (CDC-2), by J. H. Weathersby, C. F. Bagge, J. L. Bratton, et al. (includes Appendixes A-D)	AD B138 656
TR SL-89-15	Oct 1989	Effects of Explosions in Underground Magazines, by D. R. Smith, C. E. Joachim, L. K. Davis, and G. W. McMahon	AD A214 436
TR SL-89-17	Nov 1989	Reference Properties of Cement-Based Plugging and Sealing Materials for the Waste Isolation Pilot Plant (WIPP), by C. W. Gulick and L. D. Wakeley	AD A215 831
TR SL-89-18	Sep 1989	Backfill Effects on Response of Buried, Reinforced Concrete Slabs, by P. G. Hayes (includes Appendixes A-D)	AD A215 823

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Concrete Structures

Information Exchange Bulletins

<u>Volume</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
C-80-1	Mar 1980	Repair and Rehabilitation	
C-80-2	Aug 1980	Repair and Rehabilitation	
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C-82-1	Sep 1982	Repair and Rehabilitation	
C-83-1	Aug 1983	Repair and Rehabilitation	

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IR K-80-1	Feb 1980	User's Guide: Computer Program for Design/Review of Curvilinear Conduits/Culverts (CURCON), by M. M. Harter, B. E. Bircher, and H. B. Wilson (includes Appendix A)	AD A084 476
IR K-80-2	Feb 1980	User's Guide: Computer Program with Interactive Graphics for Coordinate Geometry Analysis, by H. B. Wilson and J. L. Hill	AD A082 128
IR K-80-3	Mar 1980	A Three-Dimensional Finite Element Data Edit Program, by F. T. Tracy and A. M. Wade (includes Appendixes A-B)	AD A084 481
IR K-80-4		A Three-Dimensional Stability Analysis/Design Program (3DSAD):	
	Jun 1980	Report 1 General Geometry Module, by F. T. Tracy	AD A087 074
	Jun 1982	Report 3 General Analysis Module (CGAM), by F. T. Tracy and C. W. Kling (includes Appendix A)	AD A117 387
	Aug 1983	Report 4 Special-Purpose Modules for Dams (CDAMS), by F. T. Tracy, C. W. Kling, and W. J. Holth (includes Appendix A)	
IR K-80-5	Oct 1980	Computer Programs for Settlement Analysis, by R. L. Mosher and N. Radhakrishnan (includes Appendix A)	AD A093 955
IR K-80-6	Dec 1980	Basic User's Guide: Computer Program for Design and Analysis of Inverted-T Retaining Walls and Floodwalls (TWDA), by W. A. Price, R. L. Hall, H. W. Jones, et al.	AD A097 011
IR K-80-7	Dec 1980	User's Reference Manual: Computer Program for Design and Analysis of Inverted-T Retaining Walls and Floodwalls (TWDA), by W. A. Price, R. L. Hall, H. W. Jones, et al.	AD A100 734
IR K-81-1	Jan 1981	User's Guide for the Interactive Computer Program "LITLPLT," by M. E. George and J. M. Jones II (includes Appendixes A-B)	AD A096 726
IR K-81-2		User's Guide: Computer Program for Design and Analysis of Sheet Pile Walls by Classical Methods (CSHTWAL):	
	Feb 1981	Report 1 Computation Processes, by W. P. Dawkins (includes Appendixes A-C)	AD A098 693
	Mar 1981	Report 2 Interactive Graphics Options, by M. E. George (includes Appendixes A-B)	AD A099 519
IR K-81-3	Feb 1981	Validation Report: Computer Program for Design and Analysis of Inverted-T Retaining Walls and Floodwalls (TWDA), by W. A. Price, R. L. Hall, R. L. Mosher, et al.	AD A099 377
IR K-81-4	Mar 1981	User's Guide: Computer Program for Design and Analysis of Cast-in-Place Tunnel Linings (NEWTUN), by W. J. Holtham and J. R. Fay (includes Appendixes A-B)	AD A099 672

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IR K-81-5	Mar 1981	User's Guide: Computer Program for Optimal Design and Analysis of Pile Foundations (PILEOPT), by J. L. Hill	AD A099 122
IR K-81-6	Mar 1981	User's Guide: Computer Program for Optimum Nonlinear Dynamic Design of Reinforced Concrete Slabs Under Blast Loading (CBARCS), by J. M. Ferritto, R. M. Wamsley, and P. K. Senter	AD A104 253
IR K-81-7	Mar 1981	User's Guide: Computer Program for Design or Investigation of Orthogonal Culverts (CORTCUL), by W. P. Dawkins (includes Appendixes A-C)	AD A100 968
IR K-81-8	Aug 1981	User's Guide: Interactive Computer Graphics Slope Stability Package with Drum Plot Capabilities (DGSLOPE), by R. L. Hall and P. K. Senter	AD A104 211
IR K-81-9	Aug 1981	User's Guide: Computer Program for Three-Dimensional Analysis of Building Systems (CTABS80), by E. L. Wilson, H. H. Dovey, and Ashraf Habibullah (includes Appendixes A-B)	AD A105 513
IR K-82-1	Jan 1982	User's Guide to the Flood Damage Estimation System, by W. L. Enete (includes Appendixes A-B) (superseded by Instruction Report K-84-1)	AD A111 968
IR K-82-2	Jan 1982	User's Guide for the Potamology Data Processing System (PODAPS), by W. L. Enete and Sherry Brooks (includes Appendixes A-E) (revised by Instruction Report K-84-6)	AD A111 848
IR K-82-3	Apr 1982	Primer on Computer Graphics Programming (includes Appendixes A-G) (Revised edition)	AD A116 257
IR K-82-4	Apr 1982	Notebook for Lessons on the Graphics Compatibility Systems (GCS), by Darrell Ward, J. M. Jones II, and M. E. George	AD A116 113
IR K-82-5	May 1982	User's Guide for PATTERN: A Picture- and Model-Generating Interactive Computer Graphics Program, by Les Guice, Charles Schroeder, William Fithin, and M. E. George (includes Appendixes A-D)	AD A119 822
IR K-82-6	Jun 1982	User's Guide: Computer Program for Analysis of Beam-Column Structures with Nonlinear Supports (CBEAMC), by W. P. Dawkins (includes Appendixes A-B)	AD A117 386
IR K-82-7	Jun 1982	User's Guide: Computer Program for Bearing Capacity Analyses of Shallow Foundations (CBEAR), by R. L. Mosher and M. E. Pace (includes Appendixes A-D)	AD A118 487
	Mar 1985	Errata Sheet No. 1	
IR K-83-1	Jan 1983	User's Guide: Computer Program with Interactive Graphics for Analysis of Plane Frame Structures (CFRAME), by J. P. Hartman and J. J. Jobst (includes Appendixes A-C) (supersedes Instruction Report 0-79-2)	AD A129 507
IR K-83-2	Jun 1983	User's Guide: Computer Graphics Program for Generation of Engineering Geometry (SKETCH), by J. A. Brewer III	AD A133 600
IR K-83-3	Jun 1983	User's Guide: Computer Program for Soil-Structure Interaction Analysis of Sheet Pile Retaining Walls (CSHTSSI), by W. P. Dawkins (includes Appendix A)	AD A137 134

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IR K-83-4	Sep 1983	User's Guide for a Plane and Axisymmetric Finite Element Program for Steady-State Seepage Problems, by F. T. Tracy (includes Appendix A) (supersedes Miscellaneous Paper K-73-4)	AD A134 090
IR K-83-5	Jul 1983	User's Guide: Computer Program to Calculate Shear, Moment, and Thrust (CSMT) from Stress Results of a Two-Dimensional Finite Element Analysis, by F. T. Tracy, R. L. Hall, and K. W. Trahan (includes Appendixes A-B)	AD A134 089
IR K-83-6	Oct 1983	User's Guide: Interactive Graphics Computer Program for Contouring Randomly Spaced Data, by F. T. Tracy	AD A135 861
IR K-83-7	Nov 1983	Analyzing Sliding Stability of Structures Using the Modified Computer Program GWALL, by R. L. Hall (supersedes Instruction Report K-78-1)	AD A136 954
IR K-84-1	Jan 1984	User's Guide to the Flood Damage Estimation System, by W. L. Enete (includes Appendixes A-D) (supersedes Instruction Report K-82-1)	AD A140 786
IR K-84-2	Jan 1984	User's Guide: Computer Program for Optimum Dynamic Design of Nonlinear Metal Plates Under Blast Loading (CSDOOR), by J. M. Ferritto, R. M. Wamsley, and P. K. Senter (includes Appendixes A-D)	AD A140 053
IR K-84-3	Jan 1984	User's Guide: Modified Slope Stability Package with Kansas City Analysis (DGSLOPE), by R. L. Hall and M. E. Pace (includes Appendix A)	AD A140 318
IR K-84-4	Feb 1984	User's Guide: Computer Program for Soil-Structure Interaction Analysis of Axially Loaded Piles (CAXPILE), by W. P. Dawkins	AD A144 329
IR K-84-5	Mar 1984	User's Guide: Computer Program for Analysis of Two-Dimensional Beam-Columns with Nonlinear Supports (CBNTBM), by W. P. Dawkins	AD A143 170
IR K-84-6	Jul 1984	User's Guide to Potamology Data Processing System (PODAPS), by W. L. Enete and Sherry Brooks (includes Appendixes A-E) (revises Instruction Report K-82-2)	AD A146 812
IR K-84-7	Aug 1984	User's Guide: Computer Program for Determining Induced Stresses and Consolidation Settlements (CSETT), by A. E. Templeton (includes Appendixes A-B)	AD A146 730
IR K-84-8	Sep 1984	Seepage Analysis of Confined Flow Problems by the Method of Fragments (CFRAG), by M. E. Pace, Reed Mosher, D. R. Williams, and T. F. Wolff (includes Appendixes A-C)	AD A150 015
IR K-84-9	Sep 1984	User's Guide for Concrete Strength Investigation and Design (CSTR), by C. C. Hamby and W. A. Price III (includes Appendixes A-E)	AD A151 617
IR K-84-10		User's Guide: A Computer Program for Strength Analysis of Nonhydraulic Concrete Structural Elements:	
	Sep 1984	Report 1 Concrete General Strength Investigation (CGSI), by W. A. Price III, M. D. Davister, and M. E. George	AD A156 392
	Sep 1984	Report 2 Strength Design of Reinforced Concrete Column Sections (PCAUC), by C. C. Hamby, D. K. Martin, and W. E. Gaylean	AD A156 393

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IR K-84-11	Sep 1984	User's Guide for Computer Program CGFAG, Concrete General Flexure Analysis with Graphics, by W. A. Price III, Harvey Miller, M. L. Waites, and E. T. Gates (includes Appendix A)	AD A155 555

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Miscellaneous Papers

<u>Number</u>	<u>Date</u>	<u>Title</u>	<u>AD Number</u>
Unnumbered	Sep 1979	Manual for a Conversationally Oriented Real-Time Program-Generating System (CORPS), by H. W. Jones (includes Appendixes A-D)	AD 8042 375
MP ATC-86-1	May 1986	Design Analysis of U-Shaped Dry Dock and Lock Structures: A Survey, by A. D. Kerrz	AD A168 986

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TR K-80-1	Jan 1980	Survey of Bridge-Oriented Design Software, by D. R. Schelling (includes Appendixes A-I)	AD A081 501
TR K-80-2	Jan 1980	Evaluation of Computer Programs for the Design/Analysis of Highway and Railway Bridges (includes Appendix A)	AD A081 526
TR K-80-3	Jun 1980	Documentation for LMVDPILE Program, by D. K. Martin, H. W. Jones, and N. Radhakrishnan (includes Appendixes A-B)	AD A087 191
TR K-80-4		Documentation of Finite Element Analyses:	
	Dec 1980	Report 1 Longview Outlet Works Conduit, by Richard Huff and C. A. Merrill (includes Appendixes A-D)	AD A096 364
	Jun 1981	Errata Sheet No. 1	
	Dec 1980	Report 2 Anchored Wall Monolith, Bay Springs Lock, by P. T. McGee (includes Appendix A)	AD A096 481
TR K-80-5	Dec 1980	Basic Pile Group Behavior (includes Appendixes A-E) (superseded by Technical Report K-83-1)	AD A093 696
TR K-81-1	May 1981	List of Soils, Soil-Structure Interaction and Other Related Computer Programs Available for LMVD Engineers, compiled by N. Radhakrishnan and P. K. Senter	AD A103 384
TR K-81-2	Sep 1981	Theoretical Basis for CTABS80: A Computer Program for Three-Dimensional Analysis of Building Systems, by E. L. Wilson, H. H. Dovey, and Ashraf Habibullah (includes Appendix A)	AD A107 635
TR K-83-1	Sep 1983	Basic Pile Group Behavior, by the CASE Task Group on Pile Foundations (includes Appendixes A-E) (supersedes Technical Report K-80-5)	AD A137 200
TR K-83-2	Sep 1983	Accuracy Considerations when Using Some Minicomputers for Scientific and Engineering Problems, by W. F. Ingram, D. F. Dent, and N. Radhakrishnan (includes Appendixes A-B)	AD A134 141
	May 1985	Errata Sheet No. 1	
TR K-83-3	Sep 1983	Reference Manual: Computer Graphics Program for Generation of Engineering Geometry (SKETCH), by J. A. Brewer III, J. N. Jortner, and W. N. Waggenspack, Jr. (includes Appendixes A-E)	AD A133 493
TR K-83-4	Oct 1983	Case Study of Six Major General-Purpose Finite Element Programs, by R. L. Hall and N. Radhakrishnan (includes Appendixes A-G)	AD A139 065
TR K-84-1		Load-Transfer Criteria for Numerical Analysis of Axially Loaded Piles in Sand, by R. L. Mosher:	
	Jan 1984	Part I Load-Transfer Criteria (includes Appendixes A-F)	AD A139 236
	Jan 1984	Part II Load Pile Capacity Curves for Steel and Concrete Piles	AD A139 511

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TR K-84-2	Apr 1984	Laterally Loaded Piles and Computer Program COM624G, by L. C. Reese, L. A. Cooley, and N. Radhakrishnan (includes Appendixes A-E)	AD A144 641
* TR K-84-3	Oct 1984	Computer-Aided Drafting and Design for Corps Structural Engineers (includes Appendixes A-C)	AD B092 080L
TR K-85-1		Application of Pasternak Model to Some Soil-Structure Interaction Problems:	
	May 1985	Volume I: Solutions for Plates Continuously Supported on a Pasternak Base, by A. D. Kerr	AD A157 776
	May 1985	Volume II: Determination of Foundation Parameters and the Choice of Models, by A. D. Kerr	AD A157 777
TR K-85-2	Jul 1985	Spring Stiffnesses for Beam-Column Analysis of Soil-Structure Interaction Problems, by R. L. Hall (includes Appendixes A-N)	AD A158 072
TR ATC-86-1	Mar 1986	Foundation Interaction Problems Involving an Elastic Half-Plane, by H. B. Wilson and L. H. Turcotte (includes Appendixes A-B)	AD A167 925
TR ATC-86-2	Apr 1986	The Application of Boundary-Element Techniques for some Soil-Structure Interaction Problems, by C. V. Girija Vallabhan and Jayaraman Siv kumar (includes Appendix A)	AD A168 999
TR ATC-86-3	May 1986	Soil-Beam Interaction Analysis With a Two-Parameter Layer Soil Model: Homogeneous Medium, by Toyooki Nogami and L. C. Lam (includes Appendixes A-B)	AD A169 271
TR ATC-86-4	May 1986	Red River U-Frame Lock Structure Analysis Comparison, by S. C. Das (includes Appendix A)	AD A171 491
TR ATC-86-5		Decision Logic Table Formulation of ACI 318-77 Building Code Requirements for Reinforced Concrete for Automated Constraint Processing:	
	Jul 1986	Volume I by J. L. Noland (includes Appendix A, Chapters 7-11)	AD A173 663
	Jul 1986	Volume II by J. L. Noland (includes Appendix A, Chapters 12-18)	AD A173 728

* Statement B. See Preface.

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0-79-1 thru 0-79-5	Jan 1979 thru Dec 1979	Engineering and Scientific Research at WES	
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IR O-79-1	Mar 1979	Guide for Preparation of Waterways Experiment Station Technical-Information Reports, by T. B. Rosser III, R. T. Smart, and R. M. Schaff (includes Appendixes A-G) (supersedes Instruction Report O-74-1)	AD A066 737
IR O-79-2	Mar 1979	User's Guide: Computer Program with Interactive Graphics for Analysis of Plane Frame Structures (CFRAME), by J. P. Hartman and J. J. Jobst (includes Appendixes A-C) (superseded by Instruction Report K-83-1)	AD A067 349
* IR O-79-3	Nov 1979	User's Guide for the Interactive Computer Program "CURVEFIT," by R. L. Renner (includes Appendixes A-B)	AD B042 971L
IR O-84-1	Oct 1984	Guide for Preparation of Waterways Experiment Station Technical-Information Reports, by T. B. Rosser III, R. T. Smart, and Rosemary Schaff (includes Appendixes A-G) (supersedes Instruction Report O-79-1)	
IR O-85-1	Dec 1985	Guide for Preparation of Waterways Experiment Station Technical-Information Reports Prepared by Contractors (includes Appendixes A-E)	

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Miscellaneous Papers

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MP 0-79-1	Mar 1979	Host-Computer Implementation Guidelines for the Three-Dimensional Graphics Compatibility System (GCS), by R. F. Puk	AD A067 976
MP 0-79-2	Mar 1979	Device Implementation Guidelines for the Three-Dimensional Graphics Compatibility System (GCS), by R. F. Puk	AD A070 867
MP 0-79-3	Mar 1979	Raster Graphics Extensions to the Graphics Compatibility System (GCS), by J. D. Foley, James Templeton, and Dara Dastylar	AD A070 907
MP 0-79-4	Oct 1979	Primer on Computer Graphics Programming, by Westinghouse Word Processing Center (includes Appendixes A-G)	AD A082 732
MP 0-79-5	Oct 1979	Graphics Compatibility System (GCS) Programmer's Reference Manual, by Westinghouse Word Processing Center	AD A083 424
* MP 0-80-1	Sep 1980	Evaluation of Two Acoustic Flowmeters for Dredge Use, by F. P. Hanes, G. C. Downing, and R. F. Beach (includes Appendixes A-C)	
MP 0-81-1	Jun 1981	Electrical Noise Problems Associated with Cable and Gage Failure During Explosive Testing, by F. P. Hanes, F. P. Leake, and G. P. Bonner	AD A101 517
Unnumbered	Apr 1982	U. S. Army Corps of Engineers Surveying Requirements Meeting, 2-5 February 1982	AD A117 036
Unnumbered	Feb 1983	U. S. Army Corps of Engineers Surveying Requirements Meeting, Management Sessions, 1-5 February 1982 (includes Appendixes A-E)	AD A126 254
Unnumbered	Feb 1985	U. S. Army Corps of Engineers Surveying Conference, 4-8 February 1985	AD A164 678
MP 0-86-1	Oct 1986	A Capsule of Civil Works Research and Development, 1977-1986, by A. W. Ford	AD A173 065
MP 0-87-1	Oct 1987	Comparison of Workforce Characteristics at WES with Nine Other Army Installations, by M. K. Vincent (includes Appendixes A-D)	
MP 0-87-2	Oct 1987	Loss of Doctorates from WES, 1980-1987, by M. K. Vincent	AD A188 135
MP 0-87-3	Nov 1987	Comments on Twenty-First Congress, International Association for Hydraulic Research (IAHR), Melbourne, Australia, 19-23 August 1985, by F. R. Brown (includes Appendixes A-F)	AD A190 404

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TR O-79-1		Implementation and Evaluation of Interval Arithmetic Software:	
	Apr 1979	Report 2 The Honeywell MULTICS System, by S. Podlaska-Lando, E. K. Reuter, and B. D. Shriver (includes Appendixes A-F)	AD A069 858
	Apr 1979	Report 3 The Honeywell G365 System, by J. Q. Arnold, F. P. Ford, and R. G. Hetherington (includes Appendixes A-B)	AD A070 374
	Apr 1979	Report 4 The IBM 370, DEC 10, and DEC PDP-11/70 Systems, by R. G. Ward (includes Appendix A)	AD A070 530
	Apr 1979	Report 5 The CDC CYBER 70 System, by D. A. Cohn, J. B. Potter, and Myron Ginsberg (includes Appendixes A-C)	AD A070 375
TR O-84-1	Sep 1984	The Pump Sump Research Facility Microcomputer-Controlled Data Acquisition System, by B. W. McCleave (includes Appendixes A-G)	AD A149 798
TR O-85-1	Sep 1985	A Static Analysis of Errors in Transducer Calibration Techniques Used for Blast Phenomena Tests, by Fali Ahmad (includes Appendixes A-H)	AD A163 172
TR O-87-1	Mar 1987	Graduate Education: Experiences and Preferences of WES Engineers and Scientists, by M. K. Vincent (includes Appendixes A-B)	AD A179 552
TR O-87-2	May 1987	Networks of Markovian Queues, by R. A. Franco, Jr. (includes Appendixes A-B)	AD A182 994
TR O-88-1		A Self-Contained Shock Hardened (100KG) Data Acquisition System:	
*	Jun 1988	Report 1 Design and Development, by R. A. Franco, Jr. (includes Appendixes A-C)	AD B122 467L
TR O-89-1	Jan 1989	An Evaluation of the Hardened Digital Recording System, by R. J. Dinan (includes Appendix A)	AD A204 607

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Unnumbered	Feb 1983	REMR Research Program Development Report, by J. M. Scanlon, Jr., J. E. McDonald, C. L. McAnear, E. D. Hart, R. W. Whalin, G. R. Williamson, and J. L. Mahloch (includes Appendixes A-B)	AD A125 998
Unnumbered	Sep 1985	The REMR Notebook	
	Aug 1987	Supplement No. 1	
	Aug 1988	Supplement No. 2	
Unnumbered	Jan 1987	Proceedings of REMR Workshop on Assessment of the Stability of Concrete Structures on Rock, 10-12 September 1985, compiled by W. F. McCleese (includes Appendixes A-B)	AD A185 644
Unnumbered	Aug 1988	REMR Research Publications Index of REMR Technology, current through July 1988; Interim	
Unnumbered	Jan 1988	Proceedings of REMR Workshop on New Remedial Seepage Control Methods for Embankment-Dams and Soil Foundations, 21-22 October 1986, compiled by E. B. Perry	AD A191 073
Unnumbered	Jul 1989	Proceedings of REMR Workshop on Research Priorities for Drainage System and Relief Well Problems, by R. E. Leach and H. M. Taylor, Jr. (includes Appendix A)	AD A212 067

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TR REMR-CO-1	Dec 1986	Stability of Rubble-Mound Breakwater and Jetty Toes; Survey of Field Experience, by D. G. Markle	AD A180 108
TR REMR-CO-2	Jan 1989	Prototype Experience with the Use of Dissimilar Armor for Repair and Rehabilitation of Rubble-Mound Coastal Structures, by R. D. Carver	AD A204 081
TR REMR-CO-3		Case Histories of Corps Breakwater and Jetty Structures:	
	Jan 1988	Report 1 South Pacific Division, by R. R. Bottin, Jr.	AD A192 294
	Sep 1988	Report 2 South Atlantic Division, by F. E. Sargent	AD A200 458
	Jun 1988	Report 3 North Central Division, by R. R. Bottin, Jr.	AD A198 436
	Sep 1988	Report 4 Pacific Ocean Division, by F. E. Sargent, D. G. Markle, and P. J. Grace	AD A199 879
	Nov 1988	Report 5 North Atlantic Division, by E. R. Smith	AD A207 146
	Nov 1988	Report 6 North Pacific Division, by D. L. Ward	AD A203 865
	Jan 1989	Report 7 New England Division, by F. E. Sargent and R. R. Bottin, Jr.	AD A204 082
	Jan 1989	Report 8 Lower Mississippi Valley Division, by F. E. Sargent and R. R. Bottin, Jr.	AD A204 083
	Jan 1989	Report 9 Southwestern Division, by F. E. Sargent and R. R. Bottin, Jr.	AD A204 084
TR REMR-CO-4	Feb 1988	Stability of Dolos and Tribar Overlays for Rehabilitation of Stone-Armored Rubble-Mound Breakwater and Jetty Trunks Subjected to Breaking Waves, by R. D. Carver and B. J. Wright (includes Appendix A)	AD A192 487
TR REMR-CO-5	Jun 1988	Stability of Dolos Overlays for Rehabilitation of Dolos-Armored Rubble-Mound Breakwater and Jetty Trunks Subjected to Breaking Waves, by R. D. Carver and B. J. Wright (includes Appendix A)	AD A195 392
TR REMR-CO-6	Aug 1988	Stability of Dolos Overlays for Rehabilitation of Tribar-Armored Rubble-Mound Breakwater and Jetty Trunks Subjected to Breaking Waves, by R. D. Carver and B. J. Wright (includes Appendix A)	AD A198 877
TR REMR-CO-7	Oct 1988	Methods to Reduce Wave Runup and Overtopping of Existing Structures, by J. P. Ahrens (includes Appendix A)	AD A200 455
TR REMR-CO-8	Apr 1989	State-of-the-Art Procedures for Sealing Coastal Structures with Grouts and Concretes, by D. P. Simpson	AD A208 884

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TR REMR-CO-10	Aug 1989	Study of Breakwaters Constructed with one Layer of Armor Stone; Detroit District, by J. R. Wolf (includes Appendixes A-B)	AD A212 631
TR REMR-CO-12	Sep 1989	Stability of Toe Berm Armor Stone and Toe Buttrressing Stone on Rubble-Mound Breakwaters and Jetties; Physical Model Investigation, by D. G. Markle (includes Appendix A)	AD A213 589
TR REMR-CO-13	Mar 1990	Laboratory Techniques for Evaluating Effectiveness of Sealing Voids in Rubble-Mound Breakwaters and Jetties with Grouts and Concretes, by D. P. Simpson and J. L. Thomas	AD A220 178
		<u>CONCRETE AND STEEL STRUCTURES</u>	
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TR REMR-CS-2	Apr 1985	The Condition of Corps of Engineers Civil Works Concrete Structures, by J. E. McDonald and R. L. Campbell, Sr. (includes Appendixes A-C)	AD A157 992
TR REMR-CS-3	Jul 1986	Latex Admixtures for Portland Cement Concrete and Mortar, by D. L. Bean and T. B. Husbands	AD A171 352
	Nov 1986	Errata Sheet No. 1	
TR REMR-CS-4	Nov 1986	Repair of Waterstop Failures: Case Histories, by J. E. McDonald	AD A176 037
TR REMR-CS-5		Instrumentation Automation for Concrete Structures:	
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	Jun 1987	Report 2 Automation Hardware and Retrofitting Techniques, by Aubrey Keeter, Byron Stonecypher, Tom Payne, et al. (includes Appendixes A-C)	AD A192 753
	Jun 1987	Report 3 Available Data Collection and Reduction Software, by Brian Currier and M. H. Fenn (includes Appendix A)	AD A192 094
	Apr 1989	Report 4 Demonstration of Instrumentation Automation Techniques at Beaver Dam, Eureka Springs, Arkansas, by E. F. O'Neil (includes Appendix A)	AD A208 571

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TR REMR-CS-7	Jul 1987	Design of a Precast Concrete Stay-in-Place Forming System for Lock Wall Rehabilitation, by ABAM Engineers, Inc. (includes Appendixes A-C)	AD A185 081
TR REMR-CS-8	Nov 1987	Procedures and Devices for Underwater Cleaning of Civil Works Structures, by C. A. Keeney (includes Appendix A)	AD A188 814
TR REMR-CS-9	Apr 1989	Inspection of the Engineering Condition of Underwater Concrete Structures, by Sandor Popovics and W. E. McDonald (includes Appendixes A-D)	AD A208 295
TR REMR-CS-10	Dec 1987	Development of Nondestructive Testing Systems for In Situ Evaluation of Concrete Structures, by H. T. Thornton, Jr., and A. M. Alexander (includes Appendix A)	AD A191 312
TR REMR-CS-11	Jan 1988	In Situ Repair of Deteriorated Concrete in Hydraulic Structures: Laboratory Study, by R. P. Webster and L. E. Kukacka	AD A190 303
TR REMR-CS-12	Mar 1988	Factors Related to the Performance of Concrete Repair Materials, by L. I. Knab	AD A192 818
TR REMR-CS-13	Dec 1987	Rehabilitation of Navigation Lock Walls: Case Histories, by J. E. McDonald (includes Appendix A)	AD A192 202
TR REMR-CS-14	Dec 1987	A Demonstration of the Constructibility of a Precast Concrete Stay-in-Place Forming System for Lock Wall Rehabilitation, by ABAM Engineers, Inc. (includes Appendixes A-E)	AD A195 471
TR REMR-CS-15	Aug 1988	Analysis of Concrete Cracking in Lock Wall Resurfacing, by C. D. Norman, R. L. Campbell, Sr., and Sharon Garner	AD A198 437
TR REMR-CS-16	Jan 1988	Repair of Dam Intake Structures and Conduits: Case Histories, by R. L. Campbell, Sr., and D. L. Bean	AD A192 819
TR REMR-CS-17		Surface Treatments to Minimize Concrete Deterioration:	
	Apr 1988	Report 1 Survey of Field and Laboratory Application and Available Products, by D. L. Bean (includes Appendix A)	AD A195 069
TR REMR-CS-18	Apr 1988	Evaluation of Concrete Mixtures for Use in Underwater Repairs, by B. D. Neeley (includes Appendixes A-C)	AD A193 897
TR REMR-CS-19	Sep 1988	Review of the State of the Art for Underwater Repair Using Abrasion-Resistant Concrete, by B. C. Gerwick, Inc.	AD A199 793

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TR REMR-CS-21	Apr 1989	In Situ Repair of Deteriorated Concrete in Hydraulic Structures: A Field Study, by R. P. Webster, L. E. Kukacka, and D. Elling (includes Appendixes A-B)	AD A208 913
TR REMR-CS-22	Aug 1989	Monolith Joint Repairs: Case Histories, by J. G. May and J. E. McDonald	AD A212 814
TF REMR-CS-23	Jan 1990	Evaluation of Polyester Resin, Epoxy, and Cement Grouts for Embedding Reinforcing Steel Bars in Hardened Concrete, by J. F. Best and J. E. McDonald	AD A218 347
TR REMR-CS-25	Jan 1990	Spall Repair of Wet Concrete Surfaces, by J. F. Best and J. E. McDonald	AD A218 708
TR REMR-CS-26	Oct 1989	Analysis of a Short Pulse Radar Survey of Revetments Along the Mississippi River, by S. A. Arcone	AD A213 501
TR REMR-CS-27	Dec 1989	User's Guide: Maintenance and Repair Materials Data Base for Concrete and Steel Structures, by R. L. Stowe, and R. L. Campbell, Sr. (includes Appendix A)	AD A220 386
TR REMR-CS-28	Dec 1989	Concepts for Installation of the Precast Concrete Stay-in-Place Forming System for Lock Wall Rehabilitation in an Operational Lock, by BERGER/ABAM Engineers, Inc. (includes Appendixes A-F)	AD A220 399
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TR REMR-EI-2	Nov 1986	Bibliography of Environmental Research Related to REMR, by N. R. Nunnally	AD A177 069
TR REMR-EI-3	Aug 1988	Compliance Requirements for Environmental Laws Applicable to REMR Activities, by J. E. Henderson and L. D. Peyman-Dove (includes Appendixes A-B)	AD A200 193
TR REMR-EI-4	Aug 1988	Seasonal Regulation of Repair, Evaluation, Maintenance, and Rehabilitation (REMR) Activities, by M. W. LaSalle, John Nestler, and A. C. Miller	AD A198 016
<u>GEOTECHNICAL</u>			
TR REMR-GT-1	Sep 1984	Mathematical Analyses of Landside Seepage Berms, by R. A. Barron (includes Appendix A)	AD A150 014
TR REMR-GT-2	Aug 1985	Improvement of Liquefiable Foundation Conditions Beneath Existing Structures, by R. H. Ledbetter	AD A160 695

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	Sep 1988	Report 2 Analysis of Field and Laboratory Data, by C. P. Cameron, D. M. Patrick, K. D. Cato, and J. H. May	AD A203 774
	Sep 1988	Report 3 Remediation, by C. P. Cameron, D. M. Patrick, C. O. Bartholomew, et al.	AD A203 775
	Dec 1989	Report 4 Geologic and Hydrodynamic Controls on the Mechanics of Knickpoint Migration, by J. H. May (includes Appendixes A-D)	AD A216 749
TR REMR-GT-4	Nov 1987	State of the Art for Design and Construction of Sand Compaction Piles, by R. D. Barksdale	AD A188 816
TR REMR-GT-5	Sep 1987	Inspection and Control of Levee Underseepage During Flood Fights, by R. W. Cunny (includes Appendixes A-C)	AD A188 324
TR REMR-GT-6		Geotechnical Applications of the Self Potential (SP) Method:	
	Mar 1988	Report 1 The Use of Self Potential in the Detection of Subsurface Flow Patterns in and Around Sinkholes, by R. A. Erchul	AD A194 524
	May 1989	Report 2 The Use of Self Potential to Detect Ground-Water Flow in Karst, by R. A. Erchul and D. W. Slifer	AD A209 339
	Feb 1989	Report 3 Development of Self-Potential Interpretation Techniques for Seepage Detection, by R. W. Corwin; Foreward by D. K. Butler (includes Appendixes A-C)	AD A207 704
TR REMR-GT-7	Dec 1987	Applications of the State of the Art of Stone Columns--Liquefaction, Local Bearing Failure, and Example Calculations, by R. D. Barksdale (includes Appendixes A-G)	AD A191 606
TR REMR-GT-8	Jul 1988	Review of Consolidation Grouting of Rock Masses and Methods for Evaluation, by R. M. Dickinson	AD A198 209
TR REMR-GT-9	Mar 1988	A Survey of Engineering Geophysics Capability and Practice in the Corps of Engineers, by D. K. Butler, R. E. Wahl, N. W. R. Mitchell, and G. L. Hemphen (includes Appendixes A-B)	AD A194 520
TR REMR-GT-10	Jul 1989	High-Resolution Seismic Reflection Investigations at Beaver Dam, Arkansas, by T. L. Dobecki, T. L. Mueller, and M. B. Savage (includes Appendix A)	AD A211 228

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TR REMR-GT-12	Sep 1989	Re-evaluation of the Sliding Stability of Concrete Structures on Rock with Emphasis on European Experience, by K. Kovari and P. Fritz	AD A214 403
TR REMR-GT-13	Sep 1989	Levee Underseepage Software User Manual and Validation, by R. W. Cunney, V. M. Agostinelli, Jr., and H. M. Taylor, Jr. (includes Appendixes A-E)	AD A214 024
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TR REMR-HY-2	Jun 1987	Floating Debris Control; A Literature Review, by R. E. Perham (includes Appendix A)	AD A184 033
TR REMR-HY-3	Sep 1988	Elements of Floating-Debris Control Systems, by R. E. Perham (includes Appendixes A-C)	AD A200 454
TR REMR-HY-4	Mar 1989	Effects of Geometry on the Kinetic Energy of a Towboat and Barges in a Navigation Lock, by S. K. Martin (includes Appendixes A-B)	AD A207 057
TR REMR-HY-5	Mar 1989	Explicit Numerical Algorithm for Modeling Incompressible Approach Flow, by R. S. Bernard (includes Appendixes A-D)	AD A207 176
TR REMR-HY-6	Oct 1989	Inventory of River Training Structures in Shallow-Draft Waterways, by D. L. Derrick, H. W. Gernand, and J. P. Crutchfield	AD A214 566
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TR REMR-OM-4	May 1989	A Rating System for the Concrete in Navigation Lock Monoliths, by R. E. Bullock (includes Appendixes A-C)	AD A208 304

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VR REMR-CS-3	Jan 1989	Antiwashout Admixtures for Use in Underwater Concrete Placement, by B. D. Neeley	
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VR REMR-HY-1	Oct 1987	Excessive Scour Downstream of High-Level Emergency Spillways, by T. L. Kirkpatrick, Jr., B. P. Fletcher, and N. R. Oswalt	

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	Aug 1981	Volume II Appendixes D-G	AD A111 263
2	Sep 1982	Phase I Investigation of Neotectonic Activity Within the Lower Mississippi Valley Division, by S. A. Schumm, C. C. Watson, and A. W. Burnett	AD A121 574
3	Dec 1982	Channel Stabilization Study, by Rick Wells	AD A124 515
4	Dec 1982	Analysis of Major Parameters Affecting the Behavior of the Mississippi River, by J. R. Tuttle and William Pinner	AD A124 463

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		AIR BASE SURVIVABILITY SYSTEMS MANAGEMENT OFFICE HEADQUARTERS, ARMAMENT DIVISION (AFSC), AD/YQ, Eglin AFB, FL	
* Unnumbered	Oct 1984	Air Base Camouflage Techniques, by L. E. Link, J. O. Curtis, and Donald Willhouse (includes Appendixes A-D)	AD B090 312L
		AIRPORT OPERATORS COUNCIL INTERNATIONAL AND FEDERAL AVIATION ADMINISTRATION, Washington, D.C.	
Unnumbered	Dec 1985	Airport System Long-Range Research and Development Plan (includes Appendix A)	
		U. S. ARMY CORPS OF ENGINEERS, NATIONAL FLOOD PROOFING COMMITTEE, Washington, D.C.	
Unnumbered	Aug 1988	Test of Materials and Systems for Flood Proofing Structures, by C. E. Pace	AD A209 380
		U. S. NAVAL FACILITIES ENGINEERING COMMAND, Alexandria, VA	
NAVFAC MO-102.6	1989	Asphalt Crack Repair; Field Manual (Draft), by L. N. Lynch	
		U. S. ARMY TOXIC AND HAZARDOUS MATERIAL AGENCY, Aberdeen Proving Ground, MD	
Unnumbered	Jul 1989	Commanders Guide to Environmental Compliance, by M. E. Resch	
		U. S. CORPS OF ENGINEERS, U. S. BUREAU OF RECLAMATION, TENNESSEE VALLEY AUTHORITY, AND BONNEVILLE POWER ADMINISTRATION	
Unnumbered	1988	Report of Fifteenth Interagency Research Coordination Conference, U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, 3-5 November 1987 (includes Appendixes A-M)	AD A211 399

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