Chapter 26

Guide to 309 papers of some ASCE Specialty Conferences on Urban Storm- water, 1970-1989

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A very simple classification is presented of 309 papers published in certain irregular specialty conferences by the ASCE. The taxonomy is similar to previous guides published by the writer to intermittent papers in the grey literature related to stormwater management modeling.

26.1 Introduction

This chapter provides a coarse index for the papers published intermittently in a series of specialty conferences by the ASCE. The index is oriented towards readers interested in stormwater management modeling. Table 27.1 lists the conferences. From the set of proceedings, the tables of contents were reformulated in compressed format as presented in Tables A1 to A10 at the end of this chapter. Using the same general taxonomy as in previous publications (James, 1993,4), the topics are

James, W. 1995. "Guide to 309 Papers of some ASCE Specialty Conferences on Urban Stormwater, 1970-1989." *Journal of Water Management Modeling* R183-26. doi: 10.14796/JWMM.R183-26.

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presented in Table 27.2. The “ASCE papers” have been classified in Table 27.3 against these topics.

This is the third such guide to the intermittent, grey literature, published by the author. The method allows an easy entry to the set of papers for students working in stormwater management modeling, and will no doubt prove extremely useful to engineers practising in these fields.

Copies of the original proceedings are available from ASCE at 345 East 47th Street, New York, NY 10017-2398.

For further information about this chapter, fax the present writer at (519) 767-2660 or (519) 836-0227.

References

James, W. 1993. "Introduction to the SWMM Environment." *Journal of Water Management Modeling* R175-01. doi: 10.14796/JWMM.R175-01.

James, W. 1994. "Guide to 485 papers of the Kentucky Symposia, 1975-1985." *Journal of Water Management Modeling* R176-25. doi: 10.14796/JWMM.R176-25.

Table 26.1
List of ten recent ASCE and Engineering Foundation Conferences related to
stormwater management modeling

A1	July 27-31 1970. Deerfield, Mass. Urban Water Resources Management. Co-Chairs: Hill, D.W. and Wright, K.R.	14 papers
A2	August 11-16 1974. Rindge, NH. Urban Runoff: Quantity and Quality. Ed: William Whipple, Jr.	37 papers
A3	July 16-21 1978. Henniker, NH. Water Problems of Urbanizing Areas. Ed: William Whipple, Jr., Grigg, N. and Langon, R.	35 papers
A4	June 19-20 1980. Blacksburg, VA. Urban Stormwater Management in Coastal Areas. Ed: Chin Y. Kuo.	45 papers
A5	August 2-6 1982. Henniker, NH. Stormwater Detention Facilities: Planning, Design, Operation and Maintenance. Ed: William DeGroot.	36 papers
A6	May 30-June 2 1983. Baltimore, Maryland. Urban Hydrology Ed: J.W. Delleur and Harry C. Torno.	17 papers
A7	Oct.29-Nov.4 1983. Niagara-on-the-Lake, Ontario. Emerging Computer Techniques in Stormwater and Flood Management. Ed: William James.	29 papers
A8	June 23-27 1986. Henniker, New Hampshire. Urban Runoff Quality - Impact and Quality Enhancement Technology. Ed: Ben Urbonas and Larry A. Roesner.	33 papers
A9	July 10-15 1988. Potosi, Missouri. Design of Urban Runoff Quality Controls. Ed: Larry A. Roesner, Ben Urbonas and Michael B. Sonnen.	32 papers
A10	Oct. 22-27 1989. Davos, Switzerland. Urban Stormwater Quality Enhancement - Source Control, Retrofitting and Combined Sewer Technology. Ed: Harry C. Torno.	31 papers

Table 26.2
Group Topics

GROUP 1: Emerging stormwater management environment

- 1.1 Management issues
- 1.2 Sustainable ecosystems
- 1.3 Impacts of urbanization
- 1.4 Best management practices
- 1.5 Evaluation procedure
- 1.6 Planning
- 1.7 Legal, regulations
- 1.8 Design procedure

GROUP 2: Stormwater management modeling

- 2.1 History of stormwater management modeling, case studies
- 2.2 Brief introduction to various programs
 - 2.2.1 HSPF
 - 2.2.2 Receiving water models
 - 2.2.3 All other models
- 2.3 Managing the modeling: accuracy, disaggregation, synthesis, sensitivity, calibration, validation, interpretation
- 2.4 Model complexity

GROUP 3: The USEPA Stormwater Management Model (SWMM)

- 3.1 History
- 3.2 General concepts

GROUP 4: Data management

- 4.1 Time series management
- 4.2 Spatial data management
- 4.3 Statistics

GROUP 5: Urban hydrology

- 5.1 Meteorology
 - 5.1.1 Rain
 - 5.1.2 Snow
- 5.2 Surface runoff
- 5.3 Groundwater and infiltration
- 5.4 Pollutant buildup and washoff
 - 5.4.1 Pollutant buildup
 - 5.4.2 Pollutant wash-off
 - 5.4.3 Erosion
 - 5.4.4 Transport in overland flow
 - 5.4.5 Sedimentation
 - 5.4.6 Highways and roads
 - 5.4.7 Thermal pollution
- 5.5 Limitations of wet event hydrology

Table 26.2
continued.

GROUP 6: Urban hydraulics

- 6.1 Storm drain networks, transient flows
- 6.2 Sanitary sewer hydraulics
 - 6.2.1 Sanitary sewers
 - 6.2.2 Combined sewers
- 6.3 Pumps, weirs, gates, orifices, diversion structures, outfalls
 - 6.3.1 Real time control
 - 6.3.2 Infrastructure
- 6.4 Surcharged flows
- 6.5 Channel morphology
- 6.6 Sediment and pollutant transport in sewers and channels
- 6.7 Field monitoring
- 6.8 Water distribution networks
- 6.9 Tides, coastal processes
- 6.10 CSOs
- 6.11 Real time control

GROUP 7: BMP's and pollution control

- 7.1 Detention basins
- 7.2 Pollutant removal
- 7.3 Groundwater recharge, infiltration
- 7.4 Porous pavement
- 7.5 Wetlands
- 7.6 Lake systems
- 7.7 Water quality observed data

GROUP 8: Continuous modeling

GROUP 9: The near future of stormwater management modeling

For the list of papers in the above groups, see the following index.

Table 26.3
Classified papers

Topic	Papers
1.1	A101, 102, 103, 104, 105, 106, 107, 108, 110, 111, 112, 113, 201, 204, 207, 208, 209, 210, 211, 212, 226, 234, 301, 304, 309, 311, 312, 325, 328, 332, 335, 405, 407, 417, 419, 501, 525, 526, 527, 529, 531, 533, 702, 811, 817, 821, 829, 905, 908, 922, 923, 924, 1001, 1002, 1030
1.2	A225, 316, 532, 807, 814, 902,
1.3	A203, 206, 313, 317, 318, 319, 321, 331, 442, 509, 510, 511, 812, 813, 814, 815, 816,
1.4	A214, 219, 310, 314, 322, 323, 824, 825, 828, 904,
1.5	A109, 421,
1.6	A111, 114, 202, 205, 213, 220, 221, 222, 223, 235, 302, 305, 306, 307, 326, 502, 507, 536, 711, 921, 1010,
1.7	A224, 233, 236, 237, 303, 308, 329, 333, 406, 524, 530, 820, 903, 906, 907, 1003, 1004, 1005,
1.8	A805, 827, 909, 912,
2.1	A215, 216, 413, 425, 435, 437, 439, 441, 443, 444, 504, 506, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 704, 708, 801, 802, 818, 819, 824, 831,
2.2	
2.2.1	A717,
2.2.2	A719, 720,
2.2.3	A411, 412, 420, 426, 514, 709, 711, 712, 713, 714, 715, 716, 721, 726,
2.3	A418, 720, 727,
2.4	A703, 809, 810,
3.1	A729,
3.2	A804,
4.1	A710, 728,
4.2	A710, 718,
4.3	A401,
5.1	
5.1.1	A401, 403, 404, 408, 410, 706,
5.1.2	
5.2	
5.3	A327,
5.4	
5.4.1	
5.4.2	
5.4.3	A320, 823,
5.4.4	
5.4.5	
5.4.6	A833,
5.4.7	
5.5	A515,

6.1	A422, 440,
6.2	
6.2.1	
6.2.2	
6.3	
6.3.1	A218,
6.3.2	A330, 1011, 1012, 1014, 1027,
6.4	
6.5	A334, 445,
6.6	
6.7	A227, 228, 229, 230, 231, 232, 315, 324, 705, 706, 808, 915,
6.8	
6.9	A402, 403, 404, 406, 409, 414, 415, 416, 417, 423, 424, 427, 428, 429, 430, 436, 815,
6.10	A523, 925, 1015, 1016, 1017, 1018, 1023, 1024, 1025, 1026,
6.11	A707, 722, 723, 724, 725, 1019, 1020,
7.1	A433, 501, 502, 503, 504, 505, 506, 507, 508, 511, 512, 513, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 528, A529, 530, 531, 532, 534, 536, 826, 827, 830, 901, 909, 910, 911, 912, 913, 914, 915, 917, 918, 1007,
7.2	A217, 518, 519, 521, 522, 534, 916, 917, 926, 927, 928, 929, 930,, 1006, 1009, 1012, 1013, 1021, 1022, 1026, 1028, 1029, 1031,
7.3	A535, 822, 919, 920,
7.4	A1008,
7.5	A438, 931, 932,
7.6	A431, 432, 434, 436, 520,
7.7	A803, 806, 832,
8	A701

Tables A1 - A10
ASCE Specialty Conferences

A1. JULY 1970: URBAN WATER RESOURCES MANAGEMENT

- A101 Urban Water Planning and Management: A Conceptual Framework and Problem Focus. Sheaffer, John R. pp. 5-7.
- A102 Basic Needs of Urban Water Management on the Firing Line. McWhinnie, R. C. 8-13.
- A103 Some Urban Water Resources Management Dimensions. Jones, D. Earl Jr. pp. 14-31.
- A104 Urban Water Management Needs in Runoff and Flood Regulation. Wallace, J. R. 32-35.
- A105 Integrated Management of Metropolitan Water Services. Vopelak, Edwin L. pp. 36-42.
- A106 Water Management and the Public. Hill, Duane W. and Meek, Roy L. pp. 43-46.
- A107 Some Notes on Approaches and Viewpoints of Private Agencies to Metropolitan Water Management. Jens, Stifel W. pp. 47-58.
- A108 Some Challenges Posed by Traditional Institutions and Practices. Willeke, G. E. 61-71.
- A109 Role and Function of Systems Analysis. Schaake, John C. Jr. pp. 72-74.
- A110 An Overview of Contemporary Approaches and Concepts in Metropolitan Water Management. Mangan, G.F. Jr. pp. 75 - 80.
- A111 Integrating the Planning and Management of Metropolitan Water Resources into a Regional Context. Bigler, A.B. pp. 81-99.
- A112 Approaches and Viewpoints of State Natural Resources Agencies. Whipple, W. 100-105.
- A113 Nature of and Need for Interdisciplinary Attacks on Problems or Urban Water Management. Flack, J. Ernest. pp. 106-110.
- A114 Regional Water Resources Planning: A State View. Kelnhofer, Guy J. Jr. pp. 111-119.

A2. AUGUST 1974: URBAN RUNOFF QUANTITY AND QUALITY

- A201 Translation of Research Results to Users. McPherson, M.B. pp. 4-7.
- A202 City-wide Master Planning. Friedland, A.O. pp. 8-11.
- A203 City Pollution Loading Appraisal. Radziul, J.V. pp. 12-13.
- A204 Urban Stream Management. Neil, F.C. pp. 14-15.
- A205 Storm Drainage Planning for Growth Areas. Van Sickle, D. pp. 16-20.
- A206 Problems of Public Acceptance: Storm Drainage Through Natural Watercourses. Laszewski, E.J. pp. 21-22.
- A207 ASCE Urban Water Resources Research Program Progress. McPherson, M.B. and Mangan, G.F. Jr. pp. 23-29.
- A208 User Needs for Problem Solving National Programs. Hagen, V.K. pp. 30-33.
- A209 General Socio-Economic-Political Context in Urban Runoff: Trends and Prospects. Vlachos, E. and Flack, J.E. pp. 36-51.
- A210 Notes on the Usage of the term "Institutional". Wengert, N. pp. 52-56.
- A211 Inter-Organizational relationships of Urban Water Organizations. Tucker, L.S. pp. 57-60.
- A212 Public Attitudes, Participation, and Involvement in Urban Water Management. Willeke, G.E. pp. 61-65.
- A213 Land Use Planning in a Rapidly Urbanizing County. Powell, D. pp. 66-69.
- A214 Drainage Technology - The State of the Art. Wenzel, H.G. pp. 72-80.
- A215 Storm Water Management Models. Torno, H.C. pp. 82-88.
- A216 Urban Water Management Models. Sonnen, M.B., Roesner, L.A. and Shubinski, R.P. pp. 89-96.
- A217 Treatment Technology for Urban Runoff. Lager, J.A. pp. 97-104.
- A218 Automatic Control Systems. Grigg, N.S. pp. 105-114.
- A219 Urban Storm Runoff Strategies and Tactics. Ringenoldus, J.C. pp. 115-118.
- A220 Flood Control and Drainage Planning in the Urbanizing Zone: Fairfax County, Va. Michel, H.L. and Henry, W.P. pp. 119-138.
- A221 Runoff Projections for Fairfax County, Va. Seader, D. pp. 139-149.
- A222 The Environmental Baseline Relationship Matrix. Allee, D.C. pp. 150-158.
- A223 Planning Tools for Erosion Control in Urbanizing Watersheds. Chen, C.N. pp. 159-164.
- A224 Current National Legislation. Wright, R.M. pp. 168-169.
- A225 Environmental Flood Plain Synergism. Sheaffer, J.R. pp. 170-172.
- A226 Environmental Impact and Public Involvement. Sovern, D.T. pp. 173-174.
- A227 Rainfall-Runoff Quantity-Quality Data Collection System. Smoot, G.F. pp. 178-182.
- A228 Review of Automatic Liquid Samplers. Shelley, P.E. pp. 183-190.
- A229 Review of Flow Measuring Devices. Kirkpatrick, G.A. pp. 191-197.
- A230 Meter for Sewer Flow Measurement. Wenzel, H.G. Jr. pp. 198-204.
- A231 San Francisco Precipitation and Flow Measuring Network. Friedland, A.O. pp. 205-211.
- A232 Needs and Possibilities of Data Collection. Barnes, H.H. Jr. pp. 212-213.
- A233 Flood Plain Management: Bridging the Regulation-to-Implementation Gap. Wright, K.R. pp. 216-221.
- A234 Cost Effectiveness of Nonstructural Flood Control. Flack, J.E. pp. 222-224.
- A235 Local Land Use and Control Measures in the National Flood Insurance Program. Lally, N. pp. 225-230.
- A236 Statutory Requirements and Liability Considerations. Wright, R.M. pp. 231-234.
- A237 Basis for Flood Plain Occupancy Decisions. Jones, D.E. Jr. pp. 235-245.

A3. JULY 1978: WATER PROBLEMS OF URBANIZING AREAS

- A301 Introduction to Water Problems of Urbanizing Areas. Whipple, William Jr. pp. 1-3.
- A302 Status of Comprehensive Water Resources Planning. Eisel, Leo M. pp. 4-6.
- A303 Federal Urban Policy. Duckworth, Robert B. pp. 7-9.
- A304 Federal Water Resources Research Program. Cobb, Gary D. pp. 10-12.
- A305 Section 208 Planning Process - The Federal View. Groszyk, Walter S. pp.13-16.
- A306 State Aspects of 208 Planning. Jones, Dale F. pp. 17-23.
- A307 The 208 Program at the Substate Level. Powell, Douglas S. pp. 24-38.
- A308 National Water Policy. Viessman, Warren, Jr. pp. 39-46.
- A309 Institutional Problems in Implementing Water Quality Control. Caulfield, H. P. 47-52.
- A310 Strategies to Obtain Water Quality Consistent with Other Objectives. Moore, J. G. 53-55.
- A311 The Problems of Stormwater Runoff and Flood Management. Tucker, L. Scott. 56-59.
- A312 Corps of Engineers Urban Studies Program. Bergen, Lawrence J. pp. 60-63.
- A313 Pollution from Urban and Industrial Runoff and Instream Variation in Water Quality. Hunter, Joseph V., Roesner, Larry A., Driscoll, Eugene D., Hleman, John N. and Lawler, Patrick J. pp. 64-79.
- A314 Control of Urban Runoff and Non Point Source Pollution. Berger, B.B., Burns, D.G., Shubinski, R.P. and Heaney, J.P. pp. 80-89.
- A315 Data Gathering for Stormwater Runoff and Surveillance. Lystrom, D.J., Shelley, P.E., Tucker, L.S. and Heaney, J.P. pp. 90-104.
- A316 Effect of Pollutants on Biota. Tanner, H. A., King, D.I and Mitchell, A. V. pp. 105-113.
- A317 Maintenance of Instream Flows. King, Darrell, Corbalis, James J. Jr. and Shubinski, Robert P. pp. 114-120.
- A318 Eutrophication and Lake Management. Uttormark, Paul D., McIntosh, Alan W. and Rich, Peter N. pp. 121-133.
- A319 Pollution of Groundwater. Cleary, R., Baumli, G. R. and Motts, W. F. pp.134-142.
- A320 Relationship of Water Quality to Agriculture and to Erosion. Strickhouser, D.E., Burns, D.G. and Walker, R.D. pp. 143-151.
- A321 Water Quality Effects of Land Use Management and of Vegetation. Kudrna, F., Tucker, L.S. and Allee, D. pp. 152-156.
- A322 Protection of Lakes and Wetlands. McIntosh, A. W., Half, A. H. and King, D. 157-167.
- A323 Water Quality Management Alternatives. Willeke, G.E., Lubetkin, S.A., Bulkley, J. and Reisler, I. pp. 168-176.
- A324 Data Gathering for NPS and Illegal Discharges. Lanyon, R. and Mitchell, A. V. 177-186.
- A325 Costs and Financing of Water Quality Control. North, R. M. and Burns, D. G. 187-199.
- A326 Organization for Areawide Water Quality Planning. Caulfield, H.P. Jr., Mitchell, A.V., Bulkley, J., Schwarz, H.E. and Brown, R.D. pp. 200-218.
- A327 Groundwater Management. Peters, Robert R. and Lewis, Gary L. pp. 219-224.
- A328 Water Conservation. Sharpe, W. E., McPherson, M. B. and Baumli, G. R. pp. 225-241.
- A329 Toxics and the Safe Drinking Water Act. Inhoff, W., Kemper, J.E., Sonnen, M.B. and Lubetkin, S.A. pp. 242-251.
- A330 Rehabilitation of Water Systems. O'Brien, J., Caulfield, H.P. Jr., Boland, B.E. and Ciampa, V.F. pp. 252-258.
- A331 Effects of Urbanization on Streams. Van Sickle, Donald R., Schwarz, H.E., Allee, D. and Jones, D.E. Jr. pp. 259-270.
- A332 Flood Insurance and Flood Plain Zoning. Tucker, L.S., Chandler, W.C., Jones, D.E. Jr., Kudrna, F. and Klock, T. pp. 271-286.
- A333 Local Control of Flood Damage. Moreau, David H., Jones, D. Earl Jr., and Seyffert, John B. pp. 287-297.
- A334 Culvert Design and Channel Erosion. Malcom, H. Rooney Jr., Whipple, William Jr. and Izzard, Carl. pp. 298-305.
- A335 Urban Interests in Water Related Research. Scullin, Ronald L. Public Technology, Inc. pp. 306-312.

A4. JUNE 1980: URBAN STORMWATER MANAGEMENT IN COASTAL AREAS

- A401 A Note on Joint Probability of Surge and Rainfall. Yeh, Fei-Fan. pp. 1-6.
- A402 Dependency of Astronomic Tide and Hurricane Surge. Schmalz, Richard A. Jr. pp. 7-14.
- A403 Analysis of Combined Rainfall Hurricane Surge Frequencies. Tayfun, M.A. and Machemehl, J.L. pp. 15-22.
- A404 Second Moment - Inference Analysis Approach for Probability Evaluation of Storm Surges. Dendrou, S.A., Taylor, R.S and Dendrou, B.A. pp. 23-32.
- A405 Stormwater Management in Coastal North Carolina. Grigg, Neil S., Duda, Alfred M. and Morris, John. pp.33-43.
- A406 Tidal Protection Measures - Social and Legal Problems. Fine, Hyman J. pp.44-55.
- A407 Flood Emergency Evaluation Plans. Hilton, Ronald E. pp. 56-65.
- A408 The STS Method for Flood Frequency Estimation. Wildermuth, Mark J. pp.66-73.
- A409 Coastal Storm Tide Frequency, Virginia to Delaware. Myers, Vance A. and Ho, Francis P. pp. 74-82.
- A410 Synthetic Storm Induced Water Level Statistics. McCarthy, Michael J. and Schmeltz, Edward J. pp. 83-91.
- A411 Comparison of HEC 1 and TR20 Programs. Krishnamurthy, M. and Lenocker, W. Tracy. pp. 92-98.
- A412 Coastal Plains Unit Hydrograph Studies. Woodward, Donald E., Welle, Paul I. and Moody, Helen Fox. pp. 99-107.
- A413 Modeling of Storm Drainage in a Coastal City. Normann, Jerome M. pp.108-118.
- A414 Use of Electrical Analogs as a Design Tool for Tidal Canals. Snyder, R.M., Christensen, B.A. and Walton, R. pp. 119-124.
- A415 Finite Element Analysis of Wave Transmission in a Coastal Channel with a Bell-Mouth Entrance. Gopalakrishnan, T.C. and Machemehl, J.I. pp. 125-133.
- A416 Design of a Test to Study Salinity Response in a Major Estuarine System to Major Storm Inflow. Bastian, D.F. pp. 134-141.
- A417 A Solute Transport Model for Tidal Canal Networks. Walton, Raymond and Christensen, B.A. pp. 142-151.
- A418 Calibration and Application of a Watershed Planning Model. Looper, Robert D. pp. 152-162.
- A419 Development of a Dynamic Stormwater Management System. Manz, Peter E. pp. 163-172.
- A420 Use of a Simplified Surface Runoff Model. Smith, William G. pp. 173-182.
- A421 Optimization of Stormwater Management Practices. Calabrese, Mark M. pp. 183-194.
- A422 A Numerical Surge Model with Moving-Boundary Treatment. Chen, M.H., Divoky, D.J. and Hwang, L-S. pp. 195-204.
- A423 Finite Element Model for Hurricane Surge and Coastal Flooding. Wei, J.S., Chen, H.S. and Machemehl, J.L. pp. 205-214.
- A424 Mathematical Model for Evaluating Extra-Ordinary Tide in Coastal Zone During Typhoon. Tang, Frederick L.W., Yang, Chuen Sheng, and Schluchter, Shirley S.T.. pp. 215-227.
- A425 Mitigating Runoff Pollution into South Shore Bays of Long Island, New York. Phillips, Kevin J., Minei, Vito, Maher, Thomas and Haderer, Philip A. pp.228-235.
- A426 A Simple Lumped-Parameter Runoff-Quality Model. Alley, William M. pp. 236-243.
- A427 Urban Storm Sewer Flows in Coastal Areas. Lai, Chintu. pp. 244-254.
- A428 Northeaster Model and Application to Coastal Flooding. Tsai, Y.J., Crocker, D.M., Burda, T.J. and Chou. F.K. pp. 255-264.
- A429 Friction Factors in Flooding Due to Hurricanes. Christensen, B.A. and Walton, Raymond. pp. 265-274.
- A430 Coastal Flooding of Tidal Estuaries. Schluchter, S. and Teubner, M. pp.275-279.
- A431 Forecasting Lake Levels - A Case Study. Koppula, Sivajogi D. pp. 280-288.
- A432 Great Lakes Storm Surge Flood Forecasting Methods. Bedford, Keith W., Prater, Mark D. and Dingman, Steven. pp. 289-298.

- A433 Retention/Detention Basins in Coastal Areas. Pennell, A.B. pp. 299-302.
- A434 Stormwater and Lake Quality Management - Two Examples. Kamedulski, Gregory E. and Thomas, Richard F. pp. 303-315.
- A435 Coastal Flooding in Metropolitan New York: A Case Study. Taytlor, R.S., Hanson, S.A. and Dendrou, S.A. pp. 316-326.
- A436 Spectral Wave Set-up and Run-up. Wu, F.H.Y., Collins, J.I. and Divoky, D. 327-335.
- A437 Wave Overtopping and Urban Stormwater Drainage in Hull, Massachusetts. French, Jonathan A. pp. 336-346.
- A438 Inland Routing of Hurricane Surges in Wetlands. Perez, A.I., Llaura, R., Wang, J.D. and LeMehaute, B. pp. 347-358.
- A439 Quality in a Florida 1°, 2° and 3° Stream System. Courtney, Charles M. pp. 359-368.
- A440 Drainage Design in a Riverine Floodplain System. Motchkavitz, Robert James. pp. 369-377.
- A441 Stormwater Runoff Modeling of a Planned Community. Smolenyak, Kevin J. pp. 378-387.
- A442 Effect of Drainage Inlets on Recreation Facilities. Mills, Donald F. pp. 388-397.
- A443 Proposed Improvements to East Matagorda Bay, Texas. Moger, Jack. pp. 398-404.
- A444 North City West Drainage Investigation. Jenks, James S., MacDonald, Thomas C. and Ebert, Robert B. pp. 405-413.
- A445 Effects of Subsidence on Stream Hydraulics. Amandes, Christopher. pp. 414-420.

A5. AUGUST 1982: STORMWATER DETENTION FACILITIES - PLANNING, DESIGN, OPERATION AND MAINTENANCE

- A501 Urban Stormwater Management - APWA Report Highlights. Neil, Forest C. pp. 11-15.
- A502 Planning Considerations for Detention Basins. Cobb, Ernest D. pp. 16-20.
- A503 Analysis of Detention Basins in EPA NURP Program. Driscoll, Eugene D. pp. 21-31.
- A504 Implementation of Stormwater Management in Canada. Wisner, Paul. pp. 32-40.
- A505 Australian Detention Basins: Recent Developments. Mein, Russell G. pp. 41-48.
- A506 Accomplishments - Chicago Metro Flood Plan. Olson, Roger K., Macaitis, William B., and Variakojis, John. pp. 49-71.
- A507 Watershed-Wide Planning of Detention Basins. Dendrou, Stergios A., and Delleur, Jacques W. pp. 72-85.
- A508 Detention Storage as an Equivalent Rainfall Depth. Colyer, Peter J. pp. 86-93.
- A509 Hydraulic Effects on Streams. Miller, Arthur C. pp. 94-104.
- A510 Stormwater Detention - Downstream Effects on Peak Flow Rates. Lakatos, David F. and Kropp, Richard F. pp. 105-120.
- A511 Effectiveness of Stormwater Detention. Williams, Lewis H. pp. 121-134.
- A512 Discussion Summary. Reported by Walesh, Stuart. pp. 135-137.
- A513 Some Detention Design Ideas. Malcom, H. Rooney. pp. 138-145.
- A514 Rational Formula Revisted. Rossmiller, Ronald L. pp. 146-162.
- A515 Continuous Models Essential for Detention Design. James, W. and Robinson, M. 163-175.
- A516 Simplifications in Stormwater Detention Design. Aitken, A.P. and Goyen, A.G. 176-185.
- A517 Development of Simplified Detention Sizing Relationships. Urbonas, Ben and Glidden, Mark. pp. 186-195.
- A518 Stormwater Detention Ponds for Water Quality Control. Randall, C. W. pp. 200-204.
- A519 Urban Runoff Pollutant Removal by Sedimentation. Randall, C.W., Ellis, K., Grizzard, T.J. and Knocke, W.P. pp. 205-219.
- A520 Lake Ellyn and Urban Stormwater Treatment. Hey, Donald L. pp. 220-235.
- A521 Water Quality Enhancement Through Stormwater Detention. Smith, W. G. pp. 236-244.
- A522 Water Quality Enhancement Design Techniques. Kropp, Richard H. pp. 245-256.
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