## **9 REFERENCES**

- Argon, G., Miller Jr, A.C., & Lakatos, D.F. (1977). Infiltration formula based on SCS curve number. *J.Irrig. Draing.Div. ASCE, vol*(103), 419-427.
- Borah, D.K., Arnold, J.G., Bara, M., Krug, E.C., & Liang, X.Z. (2007). Strom event and continuous hydrological modeling for comprehensive and efficient water simulations. *Journal of Hydrologic Engineering*, *vol*(12), 64-74.
- Bo, X., Qing-Hai, W., Jun, F., Feng-Peng, H., & Quan-Hou, D. (2011). Application of the SCS-CN model to runoff estimation with high spatial heterogeneity. *Pedosphere*, 21(6), 738-749.
- Brodie, R. S., Baskaran, S., & Hosteler, S. (2005). Tools for assessing ground watersurface water interactions: a case study in the Lower Richmond catchment, NSW. Bureau of Rural Sciences, Canberra.
- Chandimala, J., & Zubair, L. (2007). Predictability of stream flow and rainfall based on ENSO for water resources management in Sri Lanka. *Journal of Hydrology*, *335*, *303-312*.
- Chatterjee, G., Jha, R. Lohani, A.K., Kumar, R., & Singh, R. (2002). Estimation of SCS Curve Numbers for a basin using rainfall-runoff data. *ISH Journal of Hydraulic Engineering*, vol(8). ectronic Theses & Dissertations
- Choi, J.Y., Engel, B.A., & Chung, H.W. (2012). Daily streamflow modelling and assessment based on the curve-number technique. *Hydrol Process, vol(16), 3131-3150.*
- Chow, V.T., Maidment, D.R., & Mays, L.W. (1988). *Applied Hydrology*. McGraw-Hill, New York.
- Chow, V.T., Maidment, D.R., & Mays, L.W. (1998). *Applied Hydrology*. McGraw-Hill, New York.
- Chow, V.T., Maidment, D.R., & Mays, L.W. (2010). *Applied Hydrology*. Tata MacGraw Hill, New Delhi, India.
- Dunkerley, D. (2008). Identifying individual rain events from pluviograph records: a review with analysis data from an Australian dry site. *Hydrol Process, vol(22), 5024-5036.*
- Giang, N.T., & Phuong, T.A. (2010). Calibration and verification of a hydrological model using event data. *VNU Journal of Science, Earth Sciences, (26), 64-74.*

- Hammond, M. (2006). Recession curve estimation for storm event separations. *Journal* of Hydrology, vol(330), 573-585.
- Hawkins, R. H. (1993). Asymptotic determination of runoff curve numbers from data. *Journal of Irrigation and Drainage Engineering\_ASCE*, *119*(2),334-345.
- Hernandez, M., Miller, S. N., & Kepnwe, W.G. (2000). Modelling runoff response of land cover and rainfall spatial variability in semi-arid watersheds. *Environmental Monitoring and Assessment, vol* (64), 285-289.
- Helmfelt, Jr. A.T. (1980). Empirical investigation of curve number technique. *Journal* of Hydrology Engineering, ASCE, vol 106 (9),1471-1476.
- Huang, M., Gallichand, J., Dong, C., Wang, Z., & Shao, M. (2006). Use of soil moisture data and curve number method for estimating runoff in the Loess Plateau of China. *Wiley Inter Science*.
- Horton, R.E. (1933). The role of infiltration in the hydrological cycle. *AGU*, *vol* (14), 446-460.
- Johnstone, D., & Cross, W.P.(1949). Elements of applied hydrology. Journal of Royal Meteorological Society, 77-331.
- Joo, J., Lee, J., Kim, J. H., Kin, H., & J., D. (2014). Inter-event time definition setting procedure for urbail drainage systems eW der 269 set 58 ions
- Keim, R.F., Skaugset, A.E., & Weller, M. (2006). Temporal Persistence of Spatila Patterns in Through fall. J. Hydrol, vol(314), 263-274.
- Kirpich, Z.P. (1940). *Time of Concentration of Small Agricultural Watersheds*. Civil Engineering, vol (10), No. 6, 362.
- Kokkonen, T., Koivusalo, H., Karvonen, T., Croke., & B., Jakeman, A. (2004). Exploring streamflow response to effective rainfall across event magnitude scale. *Hydrological Processes, vol*(18), 1467-1486.
- Koster, R.D., Reichle, R. H., Zubir, L., & Mahanama., S. P.P. (2008). The role of soil moisture initialization in subseasonal and seasonal streamflow prediction- A case study in Sri Lanka. *Advances in Water Resources, vol*(31), 1333-1314.
- Kumar, R. & Sarkar, A. (2012). Artificial Neural Networks for Event based Rainfall-Runoff Modelling. *Journal of Water Resource and Protection*, 891-897.
- Linsley, R.K., Kohler, M.A., Paulhus, J. L. H. (1975). *Hydrology for Engineers*. Tata MacGraw Hill, New Delhi, India.

- Linsley, R.K., & Kohler, M.A. (1951). Prediction the runoff from storm rainfall. National Oceanic and Atmospheric Administration Weather Bureau Research Paper No 34.
- Linsley, R.K. (1982). Rainfall-runoff models-an overview. In Proceedings, International Symposium on Rainfall-runoff modeling, Singh, VP (ed). Water Resources Publications: Littleton, CO.
- Maidment, D., & Olivera. F. (1999). Geographic information system (GIS)-based spatially distributed model for runoff routing. Water Resources Research, vol (35),No 4, 1155-1164.
- Manchanayake, P., Sumanaweera, S., & Jayaratne, J. A. (1985). Some Preliminary Studies on Loss Rates of Few Sri Lankan Catchments. Engineers, vol (XIII), No.02, 7-12.
- Mays, L.W. (2004). Water Resources Engineering. John Wiley and Sons Inc.
- McCuen, R. H. (1989). Hydrologic analysis and design, 1st Edition, Prentice Hall, Englewood Cliffs, New Jersey.
- Mishra, S.K., & Singh, V.P. (2004). Validity and extension of the SCS-CN method for computing infiltration and rainfall-excess rates. Waley Inter Science, Hdrol. Process. (18), 3323-3345.
  - Electronic Theses & Dissertations
- Mishra, S. K. Jam, M.K., Pandey, R.P., & Singh, V.P. (2005). Catchment area based rainfall-runoff models. *Waley Inter Science, Hdrol. Process, (19), 2701-2718.*
- Mishra, S.K., Jain, M.K., Bhunya, P.K., & Singh, V.P. (2005). Field applicability of the SCS-CN based Mishra-Singh general model and its variants. Water Resource Management, (19), 37-62.
- Moriasis, D.N, Arnold, J.G., Lewis, M.W.V., Bingner, R.L., Harmel, R.D, Veith, T.L. (2007). Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. American Society of Agricultural and Biological Engineers, vol 50(3), 885-900.
- Patra, K. C. (2003). Hydrology and Water Resources Engineering . Narosa Publishing House, New Delhi, 178-191.
- Perera, K. R. J., & Wijesekera, N.T.S. (2012). Identification of the Spatial Variability of Runoff Coefficient of Three Wet Zone Watersheds of Sri Lanka. Journal of the Institute of Engineers, Sri Lanka, vol XXXXIV, No 03, 1-10.

- Pettyjohn, W.A., & Henning, R. (1979). Preliminary Estimate of Ground Water Recharge Rates, Related Streamflow and Water Quality in Ohio (Report No.552). Ohio, USA: Ohio State University, Department of Geology and Mineralogy.
- Ponces, V.M., & Hawkins (1996). Runoff curve number: has it reached maturity?. Journal of Hydrologic Engineering, American Society of Civil Engineers, vol(1), 11-19.
- Powell, D.N., Khan, A. A., Aziz, N.M. & Raiford, J.P. (2007). Dimensionless rainfall patterns for South Carolina. *Journal of the Hydrologic Engineering*. vol (12),130-133.
- Rajan, S.P., Kazama, S., & Sawamoto, M. (2006). Effect of climate and land use changes on groundwater resources in coastal aquifers. *Journal of Environmental Management*, 80(2006), 25-35.
- Ramakrishnan, D., Bandayopadhyay, A., & Kusuma, K. N. (2009). SCS-CN and GISbased approach for identifying potential water harvesting sites in the Kali Watershed, Mahi River Basin, India. *Journal of Earth System Science, vol(118)*, 355-368.
- Sahu, R.K., Mishra, S.K., Eldho, T.I., & Jain, M.K. (2007). Advanced soil moisture accounting procedure for SCS curve number method. Wiley InterScience, vol(21), 2872-286011
  Electronic Theses & Dissertations
- Sahu, R.K., Mishra, S.K., & Eldhor Ft (2010). An improved AMC-coupled runoff curve number model. J.Hydrol. Proc, vol(20), 2834-2839.
- Sahu, R.K., Mishra, S.K., & Eldho, T.I. (2012). Performances evaluation of modified version of SCS curve number method for two watersheds of Maharastra, India. *Journal of Hydraulic Engineering*, vol(18), 27-36.
- SCS. (1956). *Hydrology National Engineering Handbook,* Supplement A, Section 4. Soil Conservation Service. US Department of Agriculture: Washington DC.
- SCS. (1985). National Engineering Handbook, Section 4. Hydrology.
- SCS. (1987). Hydrology National Engineering Handbook, Supplement A, Section 4. Soil Conservation Service. US Department of Agriculture: Washington DC; Chapter 10.
- Sherman, L. K. (1932). Streamflow from Rainfall by Unit-Graph Method. Engineering News Record, vol(108), 501-505.
- Soulis, K.X., Valiantzas, J.D., Dercas, N., & Londra, P.A. (2009). Analysis of the runoff generation mechanism for the investigation of the SCS-CN method

applicability to a partial area experimental watershed. *Hydrology and Earth System Sciences, vol(6), 373-400.* 

- Springer, E.P., McGurk, B.J., Hawkins, R.H., & Coltharp, G.B. (1980). Curve number from watershed data. In Proceedings of ASCE Irrigation and Drainage Symposium on Watershed Management, ASCE:New York, vol(II), 373-400.
- Szilagyi, J., & Parlange, M. B. (1998). Baseflow separation based on analytical solutions of Boussinesq equation, *Journal of Hydrology*, 204, 251-260.
- Tikno, S., Hariyant, T., Anwar, N., & Karsidi. (2013). Comparison between the calculation of surface runoff using Curve Number method and the observation data in the upstream Ciliwung watershed-West Java. *Journal of Basic and Applied Scientific Research, vol3(5), 386-397.*
- Vandersypen, D. R., Bali, J. S., & Yadav, Y. P. (1972). Handbook of Hydrology, *Soil Conservation Division*, Ministry of Agriculture, Government of India, New Delhi.
- Victor Mockus (1957). *Unit Hydrographs, National Engineering, Part 630*. National Resources Conversation Services, United State.
- Viessman, W., Lewis, G.L., & Knapp, J.W. (1989). Introduction to Hydrology-Third Edition. Harper & Row, New York, USA. University of Moratuwa, Sri Lanka.
- USDA-SCS (1985). National Engineering Handback Section 4-Hydrology (revised). Washington DC; Chapter 10. WWW.110.mrt.ac.lk
- Wang, X. (2009). Characteristics of individual rain events and its dependency on minimum inter-event time in dry desert area in north China, Geophysical Research, vol.11, EGU 4952.
- Wanniarachchi, S.S., & Wijesekera, N.T.S. (2012). Using SWMM as a Tool for Floodplain Management in Ungauged Urban Watershed. *Journal of the Institute of Engineers, Sri Lanka, vol XXXV, No 01,1-8.*
- Wijesekera, N.T.S. (2010). Surface water resource and climate change, Proceedings of the National Forum on "Water Research-Identification of Gaps and Priorities". *National Science Foundation, Sri Lanka.*
- Wijesekera, N.T.S. (1998). Hydrological study of Colombo Harbour and its Watershed. Sri Lanka Port Authority, Sri Lanka, *Report submitted to the EIA of the Sri Lanka Ports Authority, Funded by World Bank, Colombo.*
- Wijesekera, N.T.S., & Bandara, K.M.P.S. (2011). Preparation of the stormwater drainage management plan for Matara Municipal Council. *Journal of the Institute* of Engineers, Sri Lanka, vol XXXXIV, No 03,11-29.

- Wijesekera, N.T.S., & Ghanapala, P.P. (2003). Modelling of two low lying urban watersheds in the Greater Colombo Area for Drainage and Environment Improvement. *Journal of the Institute of Engineers, Sri Lanka, vol XXXVI, No 1,39-*45.
- Wijesekera, N.T.S. (2000). A comparison of peakflow estimates for small ungauged urban watersheds. *Journal of the Institute of Engineers, Sri Lanka, vol XXXXIV, No* 03,11-29.
- Wijesinghe, W.M.D., & Wijesekera, N.T.S. (2000). A comparison of rational formula alternatives for streamflow generation for small ungauged catchments. *Journal of the Institute of Engineers, Sri Lanka, vol XXXXIV, No 04,29-36.*
- World Meteorological Organization. (1975). *Intercomparison of conceptual models used in operational hydrological forecasting*.(Operational hydrology report no.7/WMO-No 429). Geneva, Switzerland.
- Wu, T., Hall, J., & Bonta, J. (1993). Evaluation of Runoff and Erosion Models. J.Irrig.Drain Eng, 119(2, 364-382.
- Young, C.B., & McEnroe, B.M. (2012). Calibration of Runoff Curve Numbers for a small Urban Watershed. World Environmental and Water Resources Congress. ASCE (2012), University of Kansas Moratuwa, Sri Lanka.



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