7. **REFERENCE**

- 1. Abbs, D. and Rafter, T. (2008), The effect of climate change on extreme rainfall events in the Western Port Region. CSIRO Marine and Atmospheric Research, Impacts of Climate Change on Human Settlements in the Western Port Region: An Integrated Assessment. June 2008.
- 2. A.D.Ampitiyawatta, Shenglian Guo (2009), Precipitation trends in the Kalu Ganga basin in Sri Lanka.
- Basnayake, B. R. S. B., Rathnasiri, J. and Withange, J. C. (2004). Rainfall & temperature scenarios for Sri Lanka under the anticipated Climate Change. Paper presented at 2nd AIACC Regional Workshop for Asia and the Pacific, Manila, Phillipines.
- 4. Bell, J. L., Sloan, L. C. and Shyder, M. A. (2004). Regional changes in extreme climate events: A Future Climate Scenario. *Journal of Climate*, January 2004, page 81-87.
- 5. Bonifacio Flandytosei D.S. (1999) a Rerum Period and Risk of Hydrologic Events Journal of Hydrologic engineeriD\$ssertations www.lib.mrt.ac.lk
- 6. Chow, V. T., Maidment, D. R., and Mays, L. W. (1988). Frequency Analysis. Applied Hydrology. McGraw-Hill Book Company, New York.
- 7. Chow, V. T. (1959). Development of Uniform Flow and its Formulas. Open Channel Hydraulics. McGraw-Hill Book Company, New York.
- 8. Cotton, W. R., McAnelly, R. L. and Ashby, T. C. (2002). A modeling-based methodology for determining extreme precipitation potential at high elevations in Colorado. Colorado State University, Ft. Collins, Colorado.
- Cruz, R.V., Harasawa, H., Lal, M., Wu, S., Anokhin, Y., Punsalmaa, B., Honda, Y.Jafari, M., Li, C., Huu Ninh, N., (2007). Asia Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Inter governmental Panel on Climate Change.

- 10. C.T.Haan, B.J.Barfield, J.C.Hayes. Design Hydrology and Sedimentology for Small Catchments.
- 11. Danish Hydraulic Institute (2009). Mike 11 NAM Reference manual.
- 12. Danish Hydraulic Institute (2009). Mike 11 NAM User manual.
- D'Almeida, C., C. J. Vörösmarty, J. A. Marengo, G. C. Hurtt, S. L. Dingman, B. D. Keim, (2006). A water balance model to study the hydrological response to different scenarios of deforestation in Amazonia. Journal of Hydrology, page 331:125.
- 14. De Silva, C. S., Weatherhead, E. K., Knox, J. W., and Rodriguez, D. J. A. (2007). Predicting the impacts of climate change-A case study of paddy irrigation requirements in Sri Lanka. *Agricultural water management*, 93(2007), page 19-29.
- 15. De Silva, C. S. (2009). Climate change impacts on ground water resources in Sri Lanka and possible adaptation measures. Presentation for the Workshop on Adaptation to Climate Change in Sri Lanka Focusing on Floods and Rice Production. Organized by UN Oniversity Japan and University of Peradeniya Sri Lanka at Galle face hotel, Sri Lanka, on 6th November 2006.
- 16. Dibike, Y. B. and Coulibaly, P. (2004). Hydrologic impact of climate change in the Saguenay watershed: Comparison of hydrologic models and downscaling methods. *Journal of Hydrology*, 307(2005), page 145-163.
- 17. Domroes, M. (1996). Rainfall variability over Sri Lanka. *Climate variability and Agriculture*, 1996, page 394-410.
- 18. Environmental Analysis and Management Group, Departament d'Enginyeria Quimica, Universitat Rovira i Virgili. Analysis of Water Resource Allocation and Water Quality for Low Flow River in Mediterranean Watershed: Hydrological Simulation Model Overview Rubab Fatima Bangash, Ana Passuello and Marta Schuhmacher.
- 19. E. R. Dahamen and M. J. Hall (1990), Screening of Hydrological Data, Tests for Stationary and Relative Consistancy.

- Fowler, H. J., Ekstrom, M., Kilsby, C. G., and Jones, P. D. (2004). New estimates of future changes in extreme rainfall across the UK using regional climate model integrations. Assessment of control climate. Journal of Hydrology, 300(2005), page 212-233.
- 21. G.T. Dharmasena. Assessment of low flow in rivers.
- 22. G.T. Dharmasena, A conceptual plan to meet the rising water demand of drinking water for Colombo City.
- 23. G. V. Loganathan, C. Y. Kuo and T. C. McCormick(1985), Methods of Analyzing Instream Flows, Department of Civil Engineering, Virginia Polytechnic Institute and State University.
- 24. Harrold, T. I., Chiew, F. H. S. and Siriwardana, L. (2006). A method for estimating climate change impacts on mean and extreme rainfall and runoff.
- 25. Handbook of Hydrology, David R.Maidment, McGRAW-HILL, INC, New Electronic Theses & Dissertations www.lib.mrt.ac.lk
- 26. H.K.W.I. Jayawardene, D.U.J. Sonnadara and D.R. Jayewardene (2005), Trends of Rainfall in Sri Lanka over the Last Century, University of Colombo.
- Ines, A. V. M. and Hansen, J. W. (2006). Bias Correction of Daily Rainfall for Crop Simulation Studies. *Journal of Agriculture and Forest Meteorology*, *138*, page 44-53.
- 28. IPCC (2001). Climate Change, 2001. Scientific Basis. Pg. 18. Available at: http://chaser.env.nagoya-u.ac.jp/~kengo/lec/IPCC_TARFRONT.pdf.
- 29. IPCC (2007). Impacts, Adaptation and vulnerability. Climate change 2007. Available at: http://www.ipcc.ch/ipccreports/ar4-wg2.html.

- 30. Jae H. Ryu, Joo Heon Lee, Sangman Jeong, Seon K. Park and Kyuha Han (2011). The impacts of climate change on local hydrology and low flow frequency in the Geum River Basin, Korea.
- 31. J.C. Refsgaard, Abbott, Construction, (1996). Calibration and validation of hydrological models, Distributed hydrological modeling Dordrecht, Netherlands.
- 32. Johnson, B. (2008). The London Climate Change Adaptation Strategy. Summary draft report, August 2008.
- 33. Kumar, K. R., Sahai, A. K., Krishna Kumar, K., Patwardhan, S. K., Mishra, P. K., Revadekar, J. V., Kamala, K., Pant, G. B., (2006). High-resolution climate change scenarios for India for the 21st century. Current Science, page 334-345.
- 34. Lanka Hydraulic Institute (2012).Water Supply Master Plan Update for Western Province Metropolitan Area: Water Resources Modelling Study, Final Report, Prepared for Ceywater Consultant, December 2012.

University of Moratuwa, Sri Lanka.

- 35. Lanka Hydraulie Thanke (20029.5 Pina) Report bio Salinity Studies on Kalu Ganga, January 2002ib. mrt. ac.lk
- 36. L.Manawadu and Nelun Fernando, Climate changes in Sri Lanka, University of Colombo.
- 37. Laurens Van Der Tak, Yung-Tsung Kang, Tara Ajello (2002), Safe Yield Analysis for Surface Water Supplies, Technical Memorandum No.1, CH2MHILL.
- 38. Matalas, N.C. (1963), Probabilitity distribution of low flows. Statistical studies in Hydrology. U.S. Geological Survey professional paper.
- 39. Mc Mahon, (1980). Analysis of low flow data: A review Key note paper presented to workshop on low flows, Christchurch, 24-25July,1980.

- 40. M. Mac Carthaigh (1989). A stastical analysis of river flows. The eastern water resources region, water resources section, Environment research unit, September 1989.
- 41. M. E. Elshamy, I. A. Seierstad, and A. Sorteberg (2008). Impacts of climate change on Blue Nile flows using bias-corrected GCM scenarios.
- 42. Mohottala, A. W., (2001). Impact of climate and climate changes. Background information for preparation of national physical planning policy, Sri Lanka. Report no 12. 2001.
- 43. Mohammad A. Al-Fawzan (2000), Methods for Estimating the Parameters of the Weibull Distribution, King Abdulaziz City for Science and Technology.
- 44. Nathan, R. J. McMahon, (1990). Practical Aspect of low flow frequency analysis. Water Resource Research 26, page 2135-2141.
- 45. Nianthi, K.W.G.R. and Shaw, R., (2006). Climate change and its impact on coastal economy of Sri Lanka, ICZM, RP 002/06, Ch 45. University of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations

- **46.** Nippon Joge Suido Sekker Co. 11d ad Nippon Koei (1994). The feasibility study on the Kalu ganga water supply project for Grater Colombo.
- 47. Nishadi Eriyagama and Vladimir Smakhtin, how prepared are water and agricultural sectors in Sri Lanka for climate change, International Water Management Institute (IWMI), Sri Lanka.
- Refsgaard, J.C., Knudsen, J., (1997). Operational validation and inter comparison of different types of hydrological models. Water Resources Research 32 (7), page 2189-2202.
- 49. Samath, F. (2008). Climate change worse than civil war. A documentary of UN.
- 50. SAPROF team for OECF-Japan (Jan 1997), Final Report on Special assistance on Kalu Ganga water supply project for Greater Colombo.

- 51. TAMS Consutants, Inc., Binner and Partners, Samitar/ECL, CECB (1989). Kalu Ganga Multi-Purpose Project, Pre-Feasibility Study, Volume 2, Flood Protection, March 1989.
- 52. USAID (2007). Adapting to climate variability and change. A Guidance manual for development planning.
- 53. U.S. Army Corps of Engineers (1993). Hydrologic frequency analysis, Department of the Army, Washington.
- 54. Uzzal Mandal and C. Cunnane (2009), Low-flow prediction for ungauged river catchments in Ireland, RPS Consulting Engineers, Galway, Department of Engineering Hydrology, NUI Galway.
- 55. Velma I. Crover, Water; Global common and Global problem. Natural Resource Consultant, Hamilton, Canada.
- 56. Water Resources Consulting Services (1998) An Assessment of Water Resources in Kelani, Kalu and Maha Oya River Basins. Final Report, February 1998 ectronic Theses & Dissertations www.lib.mrt.ac.lk
- 57. Wilby, R. L. and Dawson, C. W. (2007). A decision support tool for the assessment of regional climate change impacts. SDSM user Manual.
- 58. Wilby, R. L. and Dawson, C. W. (2002). A decision support tool for the assessment of regional climate change impacts. Environmental modeling and software, 17 (2002), page 147-159.
- 59. World Meteorological Organization (2008), Guide to Hydrological Practices, Volume I: Hydrology – From Measurement to Hydrological Information.
- 60. World Meteorological Organization (2009). Manual on Low flow estimation and prediction. Operational Hydrology Report No. 50, page43-98.