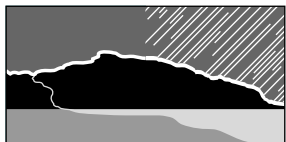


CRC PUBLICATIONS

SEPTEMBER 2005

FINAL PUBLICATIONS LIST

COOPERATIVE RESEARCH CENTRE FOR



CATCHMENT HYDROLOGY

A database of CRC publications in Adobe pdf form for downloading now exists on-line at:
<http://www.catchment.crc.org.au/publications>

CRC for Catchment Hydrology Annual Report 2004-2005 is now available for downloading at www.catchment.crc.org.au/publications

REPORTS from July 1999 (New CRC Programs)

PREDICTING CATCHMENT BEHAVIOUR PROGRAM

- 05/12** Major Storages Water Quality Study, Upper-Mid Goulburn EMSS - A Preliminary Report on Catchment Surface Water Quality Investigations
by Shane Papworth
 Technical Report (available as .pdf file only)
- 05/8** Modelling of Runoff, Sediment and Nutrient Loads for the Maroochy River Catchment Using EMSS
by Ross Searle
 Technical Report (available as .pdf file only)
- 04/3** Estimating Extractable Soil Moisture Content for Australian Soils
by Tony Ladson, James Lander, Andrew Western, Rodger Grayson
 Technical Report (Price \$27.50* per copy)
- 02/4** The Status of Catchment Modelling in Australia
by Frances Marston, Robert Argent, Rob Vertessy, Susan Cuddy, Joel Rahman
 Technical Report (Price \$27.50* per copy)
- 02/3** Optical Properties of Leaves in the Visible and Near-Infra-red Under Beam and Diffuse Radiance
by Iain Hume, Tim McVicar, Michael Roderick
 Technical Report (Price \$27.50* per copy)
- 02/2** Estimation of Pollutant Concentrations for EMSS Modelling of the South-East Queensland Region
by Francis Chiew, Philip Scanlon
 Technical Report (Price \$27.50* per copy)
- 02/1** Catchment Scale Modelling of Runoff, Sediment and Nutrient Loads for the South-East Queensland EMSS
by Francis Chiew, Philip Scanlon, Rob Vertessy, Fred Watson
 Technical Report (Price \$27.50* per copy)
- 00/14** Predicting the Water Yield Impacts of Forest Disturbance in the Maroondah and Thomson Catchments using The Macaque Model
by Murray Peel, Fred Watson, Rob Vertessy, Alex Lau, Ian Watson, Mike Sutton, Bruce Rhodes
 Technical Report (Price \$27.50* per copy)
- 99/12** Predicting the Effect of Vegetation Changes on Catchment Average Water Balance
by Lu Zhang, Warrick Dawes and Glen Walker
 Technical Report (Price \$27.50* per copy)

LAND-USE IMPACTS ON RIVERS PROGRAM

- 05/9** The Riparian Nitrogen Model Basic Theory and Conceptualisation
by David Rassam, Daniel Pagendam, Heather Hunter
 (Joint Technical Report with CRC for Coastal Zone, Estuary & Waterway Management) (available as .pdf file only)
- 05/1** A Review of Salt Mobilisation and Management in Irrigated Areas of the Murray-Darling Basin
by Ruth Duncan, Matthew Bethune, Evan Christen, John Hornbuckle
 Technical Report (Price \$27.50* per copy)
- 04/4** The Effect of Clearing of Native Forest on Flow Regime
by Richard Silberstein, Alice Best, Klaus Hickel, Tim Gargett, Anita Adhitya
 Technical Report (Price \$27.50* per copy)
- 04/12** CLASS – Catchment Scale Multiple-Landuse Atmosphere Soil Water and Solute Transport Model
by Narendra Kumar Tuteja, Jai Vaze, Brian Murphy and Geoffrey Beale
 Technical Report (Price \$27.50* per copy)
- 04/10** Erosion in Forests: Proceedings of the Forest Erosion Workshop – March 2004
by Jacky Croke, Ingrid Takken and Simon Mockler
 Technical Report (Price \$27.50* per copy)
- 04/6** Water Farms: A Review of the Physical Aspects of Water Harvesting and Runoff Enhancement in Rural Landscapes
by Laura Richardson, Peter Hairsine, Tim Ellis
 Technical Report (Price \$27.50* per copy)
- 03/13** The Effect of Afforestation on Flow Duration Curves
by Patrick Lane, Alice Best, Klaus Hickel and Lu Zhang
 Technical Report (Price \$27.50* per copy)
- 03/11** The Impact of Rainfall Seasonality on Mean Annual Water Balance in Catchments with Different Land Cover
by Klaus Hickel and Lu Zhang
 Technical Report (Price \$27.50* per copy)
- 03/5** Predicting the Effects of Large-Scale Afforestation on Annual Flow Regime and Water Allocation: An Example for the Goulburn Broken Catchments
by Lu Zhang, Trevor Dowling, Mark Hocking, Jim Morris, Geoff Adams, Klaus Hickel, Alice Best and Rob Vertessy
 Technical Report (Price \$27.50* per copy)

The CRC for Catchment Hydrology has released a series of **INDUSTRY REPORTS** which present the research outcomes from our projects in a reader friendly style with plenty of illustrations.

INDUSTRY REPORTS released so far are

- Water Sensitive Urban Design: A Stormwater Management Perspective
- The Reuse Potential of Urban Stormwater and Wastewater
- Managing Sediment Sources and Movement in Forests: The Forest Industry and Water Quality
- Irrigation Bay Salt Export and Salinity Management
- Managing Urban Stormwater Using Constructed Wetlands
- How Much Rainfall Becomes Runoff? - Loss Modelling for Flood Estimation
- Predicting Water Yield from Mountain Ash Forest Catchments
- Stormwater Gross Pollutants
- Controlling Sediment and Nutrient Movement within Catchments
- Development of an Improved Real-time Flood Forecasting Model
- Urban Stormwater Pollution

- 03/3** Estimating Water Storage Capacities in Soil at Catchment Scales
by Neil McKenzie, John Gallant and Linda Gregory
Technical Report (Price \$27.50* per copy)
- 03/1** Changes in Flood Flows, Saturated Area and Salinity Associated with Forest Clearing for Agriculture
by Richard Silberstein, Anita Adhitya and Caesar Dabrowski
Technical Report (Price \$27.50* per copy)
- 01/8** Implementation of a Mean Annual Water Balance Model within A GIS Framework and Application to the Murray-Darling Basin
by Andrew Bradford, Lu Zhang and Peter Hairsine
Technical Report (Price \$27.50*per copy)
- 99/11** Managing Sediment Sources and Movement in Forests: The Forest Industry and Water Quality
by Jacky Croke, Peter Wallbrink, Peter Fogarty, Peter Hairsine, Simon Mockler, Bob McCormack and Jim Brophy
Industry Report (Price \$27.50*per copy)

The CRC for Catchment Hydrology, CSIRO Land and Water and the Murray-Darling Basin Commission have produced a series of five new technical reports. The reports are currently available as .pdf files on the CRC web site:

- 03/9** Assessment of Salinity Management Options for Kyeamba Creek, New South Wales: Data Analysis and Groundwater Modelling
by Richard Cresswell, Warrick Dawes, Greg Summerell, Glen Walker
(.pdf file only)
- 03/8** Testing In-class Variability of Groundwater Systems: Local Upland Systems
by Cuan Petheram, Chris Smitt, Glen Walker, Mat Gilfedder (.pdf file only)
- 03/7** Modelling the Effectiveness of Recharge Reduction for Salinity Management: Sensitivity to Catchment Characteristics
by Chris Smitt, Mat Gilfedder, Warrick Dawes, Cuan Petheram, Glen Walker (.pdf file only)
- 03/6** Impact of Increased Recharge on Groundwater Discharge: Development and Application of a Simplified Function Using Catchment Parameters
by Mat Gilfedder, Chris Smitt, Warrick Dawes, Cuan Petheram, Mirko Stauffacher, Glen Walker
(.pdf file only)
- 03/4** A Critical Review of Paired Catchment Studies with Reference to Seasonal flows and Climatic Variability
by Alice Best, Lu Zhang, Tom McMahon, Andrew Western, Rob Vertessy
(.pdf file only)

SUSTAINABLE WATER ALLOCATION PROGRAM

- 05/6** Modelling Water Reallocation from Temporary Trading in the Goulburn System
by Erwin Weinmann, Sergei Schreider, Barry James, Hector Malano, Mark Eigenraam, Mariyapillai Seker, Tony Sheedy Rukman Wimalasuriya
Technical Report (available as .pdf file only)
- 04/2** Nature, Preparation and Use of Water Accounts in Australia
by Manfred Lenzen
Technical Report (Price \$27.50*per copy)
- 03/10** Enhancement of the Water Market Reform Process: A Socioeconomic Analysis of Guidelines and Procedures for Trading in Mature Water Markets
by John Tisdell
Technical Report (Price \$27.50*per copy)
- 02/9** Water Trading in the Goulburn-Murray Irrigation Scheme
by Wijedasa Hewa Alankarage, Hector Malano, Tom McMahon, Hugh Turrall and Garry Smith
Technical Report (Price \$27.50*per copy)
- 02/5** The Development of Water Reform in Australia
by John Tisdell, John Ward, Tony Grudzinski
Technical Report (Price \$33.00*per copy)
- 01/5** Irrigator and Community Attitudes to Water Allocation and Trading: A Comparative Study of the Goulburn Broken and Fitzroy Catchments
by John Tisdell, John Ward, Tony Grudzinski
Technical Report (Price \$27.50* per copy)
- 01/3** Irrigator and Community Attitudes to Water Allocation and Trading in the Goulburn Broken Catchment
by John Tisdell, John Ward, Tony Grudzinski, Geoff Earl
Technical Report (Price \$27.50* per copy)
- 01/2** Irrigator and Community Attitudes to Water Allocation and Trading in the Fitzroy Catchment
by John Tisdell, John Ward, Tony Grudzinski
Technical Report (Price \$27.50* per copy)
- 01/1** Irrigator and Community Attitudes to Water Allocation and Trading in the Murrumbidgee Catchment
by John Tisdell, John Ward, Tony Grudzinski
Technical Report (Price \$27.50*per copy)

URBAN STORMWATER QUALITY PROGRAM

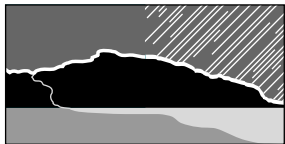
- 04/8** Stormwater Flow and Quality and the Effectiveness of Non-proprietary Stormwater Treatment Measures - A Review and Gap Analysis
by Tim Fletcher, Hugh Duncan, Peter Poelsma and Sara Lloyd
Technical Report (available as .pdf file only)

- 05/11** Guidelines for Evaluating the Financial, Ecological and Social Aspect of Urban Stormwater Management Measures to Improve Waterway Health
by *André Taylor*
Technical Report (available as .pdf file only)
- 05/10** Monitoring and Evaluating an Education / Participation Campaign to Reduce Littering and Stormwater Litter Loads in a Small Commercial Shopping District in Melbourne
by *André Taylor, Tim Fletcher and Justin Lewis*
Technical Report (available as .pdf file only)
- 05/4** Urban Stormwater and the Ecology of Streams
by *Christopher Walsh, Alex Leonard, Anthony Ladson and Tim Fletcher*
Joint CRC for Freshwater Ecology and CRC for Catchment Hydrology Publication
Complimentary printed copies are available. Visit www.ewatercrc.com.au
- 04/1** Integrated Stormwater Treatment and Re-use Systems - Inventory of Australian Practice
by *Belinda Hatt, Ana Deletic, Tim Fletcher*
Technical Report (Price \$27.50* per copy)
- 03/14** Non-Structural Stormwater Quality Best Management Practices - Guidelines for Monitoring and Evaluation
by *André Taylor and Tony Wong*
Technical Report (Price \$27.50* per copy)
- 02/13** Non-structural Stormwater Quality Best Management Practices – A Literature Review of their Value and Life-cycle Costs
by *André Taylor and Tony Wong*
Technical Report (Price \$27.50* per copy)
- 02/12** Non-structural Stormwater Quality Best Management Practices – A Survey Investigating their Use and Value
by *André Taylor and Tony Wong*
Technical Report (Price \$27.50* per copy)
- 02/11** Non-structural Stormwater Quality Best Management Practices – An Overview of their Use, Value, Cost and Evaluation
by *André Taylor and Tony Wong*
Technical Report (Price \$27.50* per copy)
- 02/10** Water Sensitive Urban Design: A Stormwater Management Perspective
by *Sara Lloyd, Tony Wong, Chris Chesterfield*
Industry Report (Price \$33.00* per copy)
- 01/7** Water Sensitive Urban Design in the Australian Context – Conference Synthesis
by *Sara Lloyd*
Technical Report (Price \$27.50* per copy)
- 00/1** Water Sensitive Road Design - Design Options for Improving Stormwater Quality of Road Runoff
by *Tony Wong, Peter Breen and Sara Lloyd*
Technical Report (Price \$27.50* per copy)
- 99/14** The Reuse Potential of Urban Stormwater and Wastewater
by *Grace Mitchell, Russell Mein and Tom McMahon*
Industry Report (Price \$27.50* per copy)
- 99/13** Blackburn Lake Discharge and Water Quality Monitoring Program: Data Summary and Interpretation
by *Sharyn RossRakesh, Chris Gippel, Francis Chiew and Peter Breen*
Technical Report (Price \$27.50* per copy)
- 99/8** Effectiveness of Street Sweeping for Stormwater Pollution Control
by *Tracey Walker and Tony Wong*
Technical Report (Price \$27.50* per copy)

CLIMATE VARIABILITY PROGRAM

- 05/7** Stochastic Generation of Daily Rainfall at a Number of Sites
by *Ratnasingham Srikanthan*
Technical Report (available as .pdf file only)
- 05/2** A Tool for Mapping and Forecasting Soil Moisture Deficit Over Australia
by *Durga Kandel, Francis Chiew, Rodger Grayson*
Technical Report (Price \$27.50* per copy)
- 04/9** Stochastic Generation of Point Rainfall Data at Subdaily Timescales: A Comparison of DRIP and NSRP
by *Andrew Frost, Ratnasingham Srikanthan and Paul Cowpertwait*
Technical Report (Price \$27.50* per copy)
- 03/16** Stochastic Models for Generating Annual, Monthly and Daily Rainfall and Climate Data at a Site
by *Ratnasingham Srikanthan and Francis Chiew*
Technical Report (Price \$27.50* per copy)
- 03/15** Calibrations of the AWBM for Use on Ungauged Catchments
by *Walter Boughton and Francis Chiew*
Technical Report (Price \$27.50* per copy)
- 03/12** Stochastic Generation of Climate Data
by *Ratnasingham Srikanthan, Senlin Zhou*
Technical Report (Price \$27.50* per copy)
- 02/14** Evaluation of Two Daily Rainfall Generation Models
by *Lionel Siriwardena, Ratnasingham Srikanthan, Tom McMahon*
Technical Report (Price \$27.50* per copy)
- 02/8** Stochastic Generation of Monthly Rainfall Data
by *Sri Srikanthan, Tom McMahon, Ashish Sharma*
Technical Report (Price \$27.50* per copy)
- 02/7** On the Calibration of Australian Weather Radars
by *Alan Seed, Lionel Siriwardena, Xudong Sun, Phillip Jordan, Jim Elliott*
Technical Report (Price \$27.50* per copy)

COOPERATIVE RESEARCH CENTRE FOR



CATCHMENT HYDROLOGY

Further information and updates on products from the CRC for Catchment Hydrology are available on our website at www.catchment.crc.org.au

- 02/6** Stochastic Generation of Annual Rainfall Data
by *Ratnasingham Srikanthan, George Kuczera, Mark Thyer, Tom McMahon*
Technical Report (Price \$27.50* per copy)
- 01/4** Monte Carlo Simulation of Flood Frequency Curves from Rainfall
by *Ataur Rahman, Erwin Weinmann, Tam Hoang, Eric Laurenson, Rory Nathan*
Technical Report (Price \$27.50* per copy)
- 00/16** Stochastic Generation of Climate Data: A Review
by *Ratnasingham Srikanthan, Tom McMahon*
Technical Report (Price \$27.50* per copy)

EVAPOTRANSPIRATION MAPS

The CRC for Catchment Hydrology and the Bureau of Meteorology completed a project to produce national maps of evapotranspiration for Australia.

The maps consist of average annual and average monthly evapotranspiration for each of areal potential, point potential and areal actual evapotranspiration (39 maps). Morton's complimentary relationship areal evapotranspiration model was used to derive the values.

The cost of the map set in hard copy is \$33 plus packaging and postage.

Contact:

Publications Section, Bureau of Meteorology

Tel: 03 9669 4312 Fax: 03 9669 4699

Email: publications@bom.gov.au

www.bom.gov.au/climate/averages/

RIVER RESTORATION PROGRAM

- 05/16** Regional Models of Stream Channel Metrics
by *Michael Stewardson, Ron DeRose and Ciaran Harman*
Technical Report (available as .pdf file only)
- 05/13** Environmental Flow Analysis
by *Mike Stewardson*
Technical Report (available as .pdf file only)
- 05/5** The Response of Aquatic Macrophytes to Riparian Shading in a Stream Rehabilitation Site
by *Stephen Mackay and Nick Marsh*
Technical Report (available as .pdf file only)
- 05/3** The Role of Riparian Vegetation in Controlling Stream Temperature in a Southeast Queensland Stream
by *Nick Marsh, Christopher Rutherford, Stuart Bunn*
Technical Report (Price \$27.50* per copy)
- 04/13** How does Riparian Revegetation affect Suspended Sediment in a Southeast Queensland Stream?
by *Nick Marsh, Ian Rutherford and Stuart Bunn*
Technical Report (Price \$27.50* per copy)

- 04/11** Evaluating the Effectiveness of Habitat Reconstruction in Rivers
by *Michael Stewardson, Peter Cottingham, Ian Rutherford and Sabine Schreiber*
Technical Report (Price \$27.50* per copy)
- 04/7** Optimising Urban Stream Rehabilitation Planning and Execution
by *Tony Ladson*
Technical Report (Price \$27.50* per copy)
- 03/2** Analysis and Management of Unseasonal Surplus Flows in the Barmah-Millewa Forest
by *Jo Chong*
Technical Report (Price \$27.50* per copy)
- 01/6** The Calculation of Streamflow from Measurements of Stage
by *John Fenton, Robert Keller*
Technical Report (Price \$27.50* per copy)
- 99/10** Guidelines for Stabilising Streambanks with Riparian Vegetation
by *Bruce Abernethy, Ian Rutherford*
Technical Report (Price \$27.50* per copy)
- A Rehabilitation Manual for Australian Streams Volumes 1 and 2
by *Ian Rutherford, Kathryn Jerie and Nick Marsh*
This two volume set contains over 550 pages.
(Price \$16.00 per set plus postage and handling).
A Process for Rehabilitating Australian Streams CD ROM. (Free) Please request CD at time of order of manual.
Contact CanPrint on
Tel: 02 6295 4444
Freecall 1800 776 616 or
Fax: 02 6295 4473 or
Email: lwa@canprint.com.au

STREAM MANAGEMENT CONFERENCE PROCEEDINGS

- Third Australian Stream Management Conference Proceedings: The Value of Healthy Streams
27-29 August 2001 Brisbane, Queensland.
Edited by Ian Rutherford, Fran Sheldon, Gary Brierly and Chris Kenyon
The two volume set contains over 120 papers (700+pp) (Price \$110.00* per set)

TECHNOLOGY TRANSFER

Hydrological Recipes: Estimation Techniques in Australian Hydrology
by *Rodger Grayson, Rob Argent, Rory Nathan, Tom McMahon, Russell Mein*
(Price \$55.00* per copy, \$27.50* Tertiary Students)
Out of print - Preface available at: [://http://www.catchment.crc.org.au/publications](http://www.catchment.crc.org.au/publications)

WORKING DOCUMENTS

- 03/1** Preparation of a Climate Data Set for the Murrumbidgee River Catchment for Land Surface Modelling Experiments
by *Lionel Siriwardena, Francis Chiew, Harald Richter, Andrew Western*
- 02/7** Thin Plate Smoothing Spline Interpolation of Parameters of the AR(1) Annual Rainfall Model across the Australian Continent
by *Penny Hancock, Michael Hutchinson*
- 02/4** Application of Hidden State Markov Model to Australian Annual Rainfall Data
by *Ratnasingham Srikanthan, Tom McMahon, Mark Thyer, George Kuczera*
- 02/3** Generation of Annual Rainfall Data for Australian Stations
by *Ratnasingham Srikanthan, Tom McMahon, Geoff Pegram, Mark Thyer, George Kuczera*
- 02/1** Generation of Spatially Averaged Daily Rainfalls for the Yarra Region
by *Lionel Siriwardena, Ratnasingham Srikanthan*
- 01/1** Modelling Victorian Annual Rainfall Data
by *Ratnasingham Srikanthan, Tom McMahon, Mark Thyer, George Kuczera*
- 00/3** Scaling Issues in Hydrology: Report of a Workshop held at the Bureau of Meteorology 28-29 June 1999
Edited by Alan Seed
- 00/2** Disaggregation of Daily to Hourly Rainfalls for Flood Studies
Walter C Boughton
- 00/1** Development of a Real-Time Flood Forecasting Model Volume 4: Evaluation of the Xinanjiang-URBS Model
Sri Srikanthan, Hazan Khan, Ponnuswami Sooriyakumaran, Jim Elliott
- 99/2** An Integrated Dataset of Climate, Geomorphological and Flood Characteristics for 104 Catchments in South-East Australia
Ataur Rahman, Russell Mein, Bryson Bates and Erwin Weinmann

SOFTWARE AND MODELS

MUSIC VERSION 3

Model for Urban Stormwater Improvement Conceptualisation
MUSIC Version 3 can be downloaded from www.toolkit.net.au/music and has a six-week evaluation period. Users who wish to purchase v3 can create an order form at www.toolkit.net.au/purchase/music. Please include payment details for the applicable licence fee and fax this form to the Centre Office.

The licence fees are:

New User: \$330

Existing User 1: \$0* (you must have purchased MUSIC Version 2 AFTER 1 April 2005)

Existing User 2: \$220* (you must have purchased MUSIC Version 2 AFTER 1 December 2004)

CRCFORGE-EXTRACT

Rare Design Rainfalls from the CRC-FORGE Database for Victoria

by *Nanda Nandakumar, Lionel Siriwardena, Erwin Weinmann, Russell Mein, Rory Nathan*

CD-ROM includes installation software and manual. CRC user agreement applies. (Price \$27.50* per package)

AQUACYCLE

A Daily Urban Water Balance Model Developed to Assess Urban Stormwater and Wastewater Reuse

by *Grace Mitchell*

Aquacycle can be downloaded from www.toolkit.net.au/aquacycle

Free of charge. CRC user agreement applies.

REPORTS Pre June 1999 (Initial CRC Programs)

SALINITY

ON-FARM AND COMMUNITY SCALE SALT DISPOSAL BASINS ON THE RIVERINE PLAIN

Series of 15 Reports in conjunction with CSIRO Land and Water available as .pdf files on the CRC web page: www.catchment.crc.org.au/disposalbasins
Printed copies (Price 27.50 per copy) (CRC Report 00/18 .pdf file only)*

- 00/18** Managing Disposal Basins for Salt Storage within Irrigation Areas: Final Report
by *Glen Walker, Evan Christen, Ian Jolly and Fred Leaney*
(CSIRO Land and Water Report Technical Report 25/00) (.pdf file only)
- 00/17** Guidelines Summary
by *Fred Leaney, Evan Christen, Ian Jolly, Glen Walker*
(CSIRO Land and Water Technical Report 24/00)
- 00/13** A Reconnaissance Survey of Element Composition and Pesticide Levels in Saline Disposal Basins in the Riverine Plain
by *Evan Christen, Leigh Gray, Kaye Spark*
(CSIRO Land and Water Technical Report 23/00)

CRC PUBLICATIONS ARE AVAILABLE THROUGH THE AUSTRALIAN WATER ASSOCIATION (AWA) BOOKSHOP.

AWA Bookshop (virtual)

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Bookshop Manager

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Email: bookshop@awa.asn.au

Web: www.awa.asn.au/bookshop/



Further information and updates on products from the CRC for Catchment Hydrology are available on our website at www.catchment.crc.org.au

- 00/12** Bibliography of Publications on Basins and Issues Associated with their Use
by *Ian Jolly, Evan Christen, Mat Gilfedder*
(CSIRO Land and Water Technical Report 19/00)
- 00/11** Evaluating Basin Leakage Rate, Disposal Capacity and Plume Development
by *Fred Leaney, Evan Christen*
(CSIRO Land and Water Technical Report 17/00)
- 00/10** Basin Leakage: Site Studies at Girgarre, Victoria and Griffith, NSW
by *Fred Leaney, Evan Christen*
(CSIRO Land and Water Technical Report 16/00)
- 00/9** Financial Analysis of Subsurface Drainage with a Basin for Pasture Production
by *Jai Singh, Heinz Kleindienst, Peter Dickinson, Bill Trehwella, Evan Christen*
(CSIRO Land and Water Technical Report 15/00)
- 00/8** Cost Comparisons of On-farm and Community Basins – Case Studies of the MIA and Wakool
by *Jai Singh, Evan Christen*
(CSIRO Land and Water Technical Report 14/00)
- 00/7** Guidelines for Basin Use
by *Ian Jolly, Evan Christen, Mat Gilfedder, Fred Leaney, Bill Trehwella, Glen Walker*
(CSIRO Land and Water Technical Report 12/00)
- 00/6** BASINMAN – A Water Balance Model for Farms with Subsurface Pipe Drainage and an On-farm Basin
by *Quinlong Wu, Evan Christen, David Enever*
(CSIRO Land and Water Technical Report 1/99)
- 00/5** Minimising the Cost of Basins: Siting, Design and Construction Factors
by *Jai Singh, Evan Christen*
(CSIRO Land and Water Technical Report 12/99)
- 00/4** Effects of Basins on the Financial Viability of Sub-surface Drainage for Grapevines and Citrus in the MIA
by *Jai Singh, Evan Christen*
(CSIRO Land and Water Technical Report 13/00)
- 00/3** Characterisation and Ranking of Basins in the Murray Basin of South-Eastern Australia
by *Craig Simmons, Wei Yan, Kumar Narayan*
(CSIRO Land and Water Technical Report 18/00)
- 00/2** Testing a GIS –based Suitability Approach for Regional Planning
by *Trevor Dowling, Glen Walker, Ian Jolly, Evan Christen, Elaine Murray*
(CSIRO Land and Water Technical Report 3/00)
- 99/15** Underlying Principles for Basin Use
by *Evan Christen, Ian Jolly, Fred Leaney, Kumar Narayan and Glen Walker*
(CSIRO Land and Water Technical Report 26/99)
- 99/5** Irrigation Bay Salt Export and Salinity Management - Industry Report
by *Mat Gilfedder, Luke Connell, Russell Mein*
- 99/4** Implications of Irrigation Bay Management for Salt Export: A Study of Irrigation Bay Processes in the Barr Creek Catchment
by *Mat Gilfedder, Luke Connell, Russell Mein*
- 95/6** Causes, Effects, Remediation and Measurement of Land and River Salinity in Australia
by *Mark Walker*
- 95/5** A Review of Catchment Scale Hydrologic Modelling Approaches
by *Chandrika Jayatilaka, Luke Connell*
- FOREST HYDROLOGY**
- 99/6** Second Erosion in Forests Workshop - May 1999
by *Jacky Croke, Patrick Lane*
- 99/1** The Hydrologic Impacts of Forestry on The Maroondah Catchments
by *Fred Watson, Rob Vertessy, Tom McMahon, Bruce Rhodes, Ian Watson*
- 98/4** Predicting Water Yield from Mountain Ash Forest Catchments. Industry Report
by *Rob Vertessy, Fred Watson, Sharon O'Sullivan, Sharon Davis, Richard Campbell, Richard Benyon, Shane Haydon*
- 98/2** Erosion in Forests. Proceedings of the Forest Erosion Workshop March 1997
by *Jacky Croke, Peter Fogarty*
- 96/7** Estimating Leaf Area Index from Stem Diameter Measurements in Mountain Ash Forest
by *Fred Watson, Rob Vertessy*
- 96/1** Soil and Litter Evaporation Beneath Re-Growth and Old-Growth Mountain Ash Forest
by *David McLannet, Rob Vertessy, Nigel Tapper, Sharon O'Sullivan, Jason Beringer, Helen Cleugh*
- 95/2** Survey into User Perceptions of Codes of Forest Practice (Summary)
by *Pat O'Shaughnessy*
(complimentary copies available)
- WATERWAY MANAGEMENT**
- 99/7** Physical Evaluation of Rehabilitation Works in Broken River and Ryans Creek, North East Victoria
by *Michael Stewardson*

- 97/9** Controlling Sediment and Nutrient Movement Within Catchments - Industry Report
by Leon Bren, Fiona Dyer, Peter Hairsine, John Riddiford, Vasantha Siriwardhena, Chris Zierholz
- 97/2** Surface Runoff and Sediment Movement on Logged Hillslopes in the Eden Management Area of South Eastern NSW
by Jacky Croke, Peter Hairsine, Peter Fogarty, Simon Mockler, Jim Brophy
- 96/9** A Sand Management Strategy for the Glenelg River and its Tributaries, Western Victoria
by Ian Rutherford, Mike Budahazy

URBAN HYDROLOGY

- 99/3** Urban Stormwater Quality: A Statistical Overview
by Hugh Duncan
- 99/2** Removal of Suspended Solids and Associated Pollutants by a CDS Gross Pollutant Trap
by Tracey Walker, Robin Allison, Tony Wong, Rick Wootton
- 98/7** Managing Urban Stormwater Using Constructed Wetlands - Industry Report (Second edition)
by Tony Wong, Peter Breen, Nicholas Somes, Sara Lloyd
- 98/6** From Roads to Rivers - Gross Pollutant Removal from Urban Waterways (Price \$33.00* per copy)
Robin Allison, Tracey Walker, Francis Chiew, Ian O'Neill, Tom McMahon
- 98/3** A Decision-Support-System for Determining Effective Trapping Strategies for Gross Pollutants
by Robin Allison, Francis Chiew, Tom McMahon
(requires Excel 95 software)
- 97/11** Stormwater Gross Pollutants - Industry Report
by Rob Allison, Francis Chiew, Tom McMahon
- 97/7** Best Practice Environmental Management Guidelines for Urban Stormwater - Background Report
by Lance Mudgway, Hugh Duncan, Tom McMahon, Francis Chiew
- 97/5** Urban Stormwater Pollution - Industry Report
by Francis Chiew, Lance Mudgway, Hugh Duncan, Tom McMahon
(out of print – Preface available at <http://www.catchment.crc.org.au/publications>)
- 97/1** Urban Stormwater Treatment by Storage: A Statistical Overview
by Hugh Duncan
- 95/9** A Review of Urban Stormwater Quality Processes
by Hugh Duncan
- 95/8** A Bibliography of Urban Stormwater Quality
by Hugh Duncan
- 95/7** A Database of Urban Stormwater Quality References
by Hugh Duncan
(requires EndNote Plus software)

FLOOD HYDROLOGY

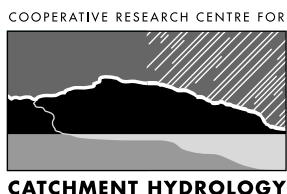
- 00/15** A Model for Disaggregating Daily to Hourly Rainfalls for Design Flood Estimation Technical Report (Price \$27.50* per copy)
by Walter Boughton
- 99/9** A Daily Rainfall Generating Model for Water Yield and Flood Studies
by Walter Boughton
- 98/9** A Technique to Interpolate Frequency Curves between Frequent Events and Probable Maximum Events
by Lionel Siriwardena, Erwin Weinmann
- 98/8** Joint Probability Approaches to Design Flood Estimation: A Review
by Aatur Rahman, Tam Hoang, Erwin Weinmann, Eric Laurenson
- 98/5** How Much Rainfall Becomes Runoff? Loss Modelling for Flood Estimation - Industry Report
by Peter Hill, Russell Mein, Lionel Siriwardena
- 97/8** A Design Flood Estimation Procedure using Data Generation and a Daily Water Balance Model
by Walter Boughton, Peter Hill
- 97/6** Development of an Improved Real-time Flood Forecasting Model - Industry Report
by Jim Elliott
- 97/4** Estimation of Extreme Rainfalls for Victoria Using the CRC-Forge Method
by Nanda Nandakumar, Erwin Weinmann, Russell Mein, Rory Nathan
- 97/3** Investigation of a Variable Proportional Loss Model for Use in Flood Estimation
by Lionel Siriwardena, Peter Hill, Russell Mein
- 96/5** Empirical Analysis of Data to Derive Losses for Design Flood Estimation in South-Eastern Australia
by Peter Hill, Upula Maheepala, Russell Mein, Erwin Weinmann
- 96/4** Derivation of Areal Reduction Factors for Design Rainfalls in Victoria – For Rainfall Durations 18-120 Hours
by Lionel Siriwardena, Erwin Weinmann
- 96/3** Adaptive Linear Models for Real-Time Flood Forecasting
by Gnanathikkam Amirthanathan
- 96/2** Detecting Data Errors in Rainfall-Runoff Data Sets
by Walter Boughton

WORKSHOP ON FIELD MEASUREMENT TECHNIQUES IN HYDROLOGY

14 videos were recorded in the field over 4 days covering:

- Tree Water Use Measurement (2)
- Evapotranspiration Measurement(2)
- Soil Moisture Measurement (2)
- Soil Permeability Measurement (2)
- Flow Gauging (2)
- Water Quality Measurement (4)

CRC SEMINAR VIDEOS ARE NO LONGER AVAILABLE FOR PURCHASE.



- 94/2** A Review of Real-Time Flood Forecasting Methods
by Ratnasingham Srikanthan, Jim Elliott, Geoff Adams

WORKING DOCUMENTS

FOREST HYDROLOGY

- 95/3** A Survey of User Perceptions of the Codes of Forest Practice
by Pat O'Shaughnessy

FLOOD HYDROLOGY

- 98/3** Development of a Real-Time Flood Forecasting Model: Volume 3 Evaluation of the AWBM-URS Model
by Sri Srikanthan, MH Khan, Ponnuswami Sooriyakumaran, Jim Elliott
- 98/2** Development of a Real-time Flood Forecasting Model. Volume 2 Evaluation of Two Adaptive Unit Hydrograph Models
by Sri Srikanthan, Ponnuswami Sooriyakumaran, Peter Hill, Jim Elliott
- 98/1** Development of a Real-time Flood Forecasting Model. Volume 1 Data Sets
by Sri Srikanthan, Soori Sooriyakumaran, Peter Hill, Jim Elliott
- 94/1** Catalogue of Hydrologic Data for Selected Victorian Catchments
by Peter Hill (Price \$88.00 per copy)*

CRC SEMINAR VIDEOS from July 1999 (New CRC Programs)

CRC SEMINAR VIDEOS ARE NO LONGER AVAILABLE FOR PURCHASE

- 00/6** Irrigators' Attitudes to Water Allocation and Trading in the Goulburn-Murray Catchment
Seminar Speaker: Dr John Tisdell
Nov 2000 (Price \$27.50*per copy)
- 00/5** Transpiration and Water Yield in Eucalyptus sieberi Forests of Different Age
Seminar Speaker: Sandra Roberts
Aug 2000 (Price \$27.50*per copy)
- 00/4** An Introduction to the Tarsier Modelling Framework
Seminar Speaker: Fred Watson May 2000 (Price \$27.50*per copy)
- 00/3** How to Get Perennial Vegetation Back into Agricultural Landscapes
Seminar Speaker: Dr Richard Stirzaker
Apr 2000 (Price \$27.50*per copy)
- 00/2** Water Balance and Growth Performance of a Break of Slope Agroforestry System
Seminar Speaker: David McLannet Mar 2000 (Price \$27.50*per copy)

- 00/1** Managing Sediment Sources and Movement in Forests: The Forest Industry and Water Quality
Industry Seminar Speakers: Jacky Croke, Peter Wallbrink and Peter Fogarty Nov 99

CRC SEMINAR VIDEOS (pre June 1999) (Initial CRC Programs)

SALINITY

- 97/10** Salinity Impacts on Vegetation
Seminar Speaker: Glen Walker (CSIRO)
Oct 97
- 97/9** Plantations on Salty Water Tables - Are they sustainable?
Seminar Speaker: Richard Silberstein (CSIRO) Sept 97
- 97/4** Historical Stream Salinity Trends in the Murray-Darling Basin
Seminar Speaker: Glen Walker (CSIRO)
May 97
- 97/3** Managing Disposal Basins to Maximise their Usefulness for Salt Storage
Seminar Speaker: Craig Simmons (CSIRO)
Mar 97
- 94/5** Research on Salinity Management of Irrigated Land & Hardwood
Seminar Speakers: Geoff Earl (RWC), Rory Nathan (HydroTechnology), Luke Connell (Monash) June 94
- 93/4** Salinity Issues
Seminar with presentations by Clive Lyle (MDBC), Russell Costello (DCNR), and Geoff Linke (RWC) Aug 93

FOREST HYDROLOGY

- 99/4** Catchment Water Balance: A Simple Approach
Seminar Speaker: Lu Zhang (CSIRO)
Aug 99
- 99/3** Erosion In Forests Field Tour, Warburton, Victoria
Featuring a range of CRC and Industry speakers on site May 99
- 98/4** Storm Runoff Generation in an Amazonian Rainforest Catchment: Can it be Represented Using a Simple Process-Based Catchment Model?
Seminar Speaker: Rob Vertessy (CSIRO)
Jun 98
- 98/2** Understanding Mountain Ash Forests and their Management for Water Yield
Industry Seminar Speakers: Rob Vertessy (CSIRO), Dasarath Jayasuriya (Melb Water) Apr 98
- 97/12** Evapotranspiration and Forest Age: Observations from a Regenerating Eucalypt Forest in Eastern Australia
Seminar Speaker: Peter Cornish (NSW State Forests) Dec 1997

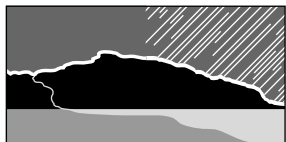
- 97/8** Field Measurement of Recharge in a Small Grazing Catchment: Lessons from Begalia
Seminar Speaker: Pat Lane (NRE) Aug 97
- 97/5** MACAQUE - Proving that a Monkey can Model Large Scale Forest Water Balance
Seminar Speaker: Fred Watson (Univ. of Melb.) May 97
- 97/2** The Problem with Mixing Models: The Dilemma with EMMA
Seminar Speaker: Helmut Elsenbeer (University of Bern - Switzerland) Feb 97
- 97/1** Field Seminar - Break of Slope Plantation Hydrology, Warrenbayne
Seminar Speakers: Rob Vertessy, David McJannet (CRC), Craig Clifton, Geoff Elder, Angus Howell (DNRE), Rick Saddler (Landholder) Mar 97
- 96/14** Field Seminar - Sediment Movement in Forests, Orbost
Seminar Speakers: Jacky Croke, Peter Hairsine, Jim Brophy (CSIRO), Peter Geary, Abdur Rab (DNRE), Peter Fogarty (DLWC) Dec 96
- 96/12** How Plumbing Limits Transpiration and Growth by Trees
Seminar Speaker: Richard Waring (Oregon State Univ) Dec 96
- 96/11** Workshop on Field Measurement Techniques in Hydrology
(See margin - previous page)
- 96/7** Erosion in Forests: Measurements for Gap Management
Seminar Speaker: Jacky Croke (CSIRO) Sept 96
- 96/6** Further Adventures in Tree Water Use & Leaf Area Index Estimation in the Mountain Ash Forest
Seminar Speaker: Rob Vertessy (CSIRO) Aug 96
- 95/3** User Perceptions of Codes of Forest Practice
Seminar Speaker: Pat O'Shaughnessy Apr 95
- 95/2** Water, Fire and Logging
Field seminar at Maroondah Catchment.
Rob Vertessy (CSIRO), Richard Benyon (Melb Water) Mar 95
- 94/2** A Quantum Leap: Adventures in Leaf Area Index & Tree Water Use Measurement in the Ash Forests
Seminar Speaker: Rob Vertessy (CSIRO) Mar 94
- 98/6** Sediment storage capacity of grass buffer strips
Seminar Speaker: Linda Karssies (CSIRO) Nov 98
- 98/5** Rehabilitating Streams in Your Catchment: Priorities and Possibilities
Industry Seminar Speakers: Ian Rutherford, Sam Lake (Monash), Peter Breen (Melb Water) Sep 98
- 98/3** Identification of Sediment and Associated Phosphorus Sources to the Tarago Reservoir
Seminar Speaker: Fiona Dyer (Univ of Melb) Jun 98
- 98/1** The Tarago Catchment: Lessons from the Tarago Reservoir Catchment Study
Industry Seminar Speakers: Peter Hairsine (CSIRO), John Riddiford (NECMA) Feb 98
- 97/11** Sediment Budgets as Tools for Catchment Management
Seminar Speaker: Ian Prosser (CSIRO) Oct 97
- 97/6** A New Approach to Modelling the Deposition of Sediment Carried by Overland Flow
Seminar Speaker: Peter Hairsine (CSIRO) Jun 97
- 96/9** Rules of Thumb for Predicting River Channel Change
Seminar Speaker: Ian Rutherford (Monash) Oct 96
- 96/4** Catastrophic Gully Erosion and its Implications
Seminar Speaker: Ian Prosser (CSIRO) Jun 96
- 95/4** Sediment & Nutrient Movement through Filter Strips
Seminar Speaker: Peter Hairsine (CSIRO) Jun 95
- URBAN HYDROLOGY**
- 99/1** Constructed Stormwater Wetlands: From Design to Construction
Industry Seminar Speakers: Tony Wong (Monash), Peter Breen (CRC for Freshwater Ecology), Alf Lester (LFA (Aust) Pty Ltd), Tony Brindley (Wetland Wildlife Creations)
- 97/7** Methods for Estimating Urban Stormwater Pollution Loads
Seminar Speaker: Francis Chiew (Univ of Melb) Jul 97
- 96/13** Advances in Flood and Urban Hydrology: Flood Forecasting, Urban Runoff & Pollution Loads, Regional Flood Frequency Analysis
Seminar Speakers: Jim Elliott (Bur of Met), Peter Hill (Sinclair Knight Merz), Lionel Siriwardena (CRC), Bryson Bates (CSIRO), Francis Chiew (Univ of Melb) Dec 96

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WATERWAY MANAGEMENT

- 99/2** Predicting Water Balance of Pastures in Catchments - Irreconcilable Differences Between Data and Model: Which is the culprit?
Seminar Speaker: Richard Silberstein (CSIRO) Mar 99

COOPERATIVE RESEARCH CENTRE FOR



CATCHMENT HYDROLOGY

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LONGER AVAILABLE FOR PURCHASE.**

- 96/2** Urban Stormwater - on the Nose or
a Question of Flows?
*Seminar Speaker: Hugh Duncan (Univ
of Melb) Apr 96*

FLOOD HYDROLOGY

- 96/13** Advances in Flood and Urban Hydrology:
Flood Forecasting, Urban Runoff &
Pollution Loads, Regional Flood Frequency
Analysis
*Seminar Speakers: Jim Elliott (Bur of Met),
Peter Hill (Sinclair Knight Merz), Lionel
Siriwardena (CRC), Bryson Bates (CSIRO),
Francis Chiew (Univ of Melb) Dec 96*
- 94/13** Dam Safety Evaluation - Developments
in PMF Procedures & Risk Assessment
Applications
*Seminar Speaker: David Bowles (Utah
Water Research Laboratory) Nov 94*