Staying Afloat

FLOOD MITIGATION
REGISTRATION BROCHURE

FLOODPLAIN MANAGEMENT AUTHORITIES OF NSW

44TH ANNUAL CONFERENCE
MAY 11-14 2004
NOVOTEL PACIFIC BAY RESORT
COFFS HARBOUR
CONTENTS

WEDNESDAY 12 MAY 2004

1. FLASH FLOOD WARNING SYSTEMS - ARE THEY A WASTE OF TIME? .......................... 1
   GORDON MCKAY
   Bureau of Meteorology, Darlinghurst, NSW

   NSW FLOOD WARNING CONSULTATIVE COMMITTEE ANNUAL REPORT 2002 ................ 8

THURSDAY 13 MAY 2004

   PAUL OSMAN
   Dept Natural Resources/Office of Water Resources, Illinois, USA

3. A HIGH-RESOLUTION MODELLING STUDY OF THE EFFECT OF CLIMATE CHANGE ON THE
   INTENSITY OF EXTREME RAINFALL EVENTS ...................................................... 17
   DR DEBORAH ABBS
   CSIRO Atmospheric Research, Aspendale, Vic

4. FLOODPLAIN MANAGEMENT - APPROVING AUTHORITIES DUTY OF CARE .................... 302
   MARSSEN LAWYERS

WEDNESDAY 12 MAY 2004

STREAM A

5. STRATEGIC FLOOD RISK MANAGEMENT ............................................................... 25
   DUNCAN MCLUCKIE
   DPIR, Dangar, NSW

6. IS THERE ANY MERIT IN FLOODPLAIN MANAGEMENT? ........................................... 37
   JENNIFER PANG & ANGUS GORDON
   Pittwater Council, Mona Vale, NSW

STREAM B

7. THE APPLICATION OF TIME LINES TO EVACUATION PLANNING ................................ 49
   STEVE OPPEN
   SES, Wollongong, NSW

8. DO EDUCATION STRATEGIES SINK AND COMMUNITIES SWIM?
   EVALUATION OF THE WORONORA PREPAREDNESS STRATEGY FIVE YEARS ON ............... 69
   STEVEN MOLINO & JESSICA HUYBRECHS
   Molino Stewart, Parramatta, NSW
STREAM A

9. WARNING PEOPLE ABOUT COMING FLOODS: RECENT DEVELOPMENTS AND SOME BARRIERS TO IMPROVED PERFORMANCE 97
   CHAS KEYS
   SES, Wollongong, NSW

10. FLOODPLAIN DEVELOPMENT - WHAT MERITS ASSESSMENT? 109
    STEVEN MOLINO
    Molino Stewart, Parramatta, NSW

11. THE EVOLVING CONCEPT OF "HAZARD" IN FLOOD RISK MANAGEMENT - CAN WE MAKE THIS WORK IN A PLANNING CONTEXT 129
    LOUISE HOWELLS & DUNCAN MCLUCKIE
    Lawson & Treloar, Pymble, NSW & DIPNR, Dangar, NSW

12. COMMUNITY ACCEPTANCE OF FLOOD MODELS, ARE GIS, DEM AND 2D WORTH THE EFFORT? 149
    LANCE HAZEL, EMILY REID & DREW BEWSHIER
    Wollongong City Council, WBM Pty Ltd, & Bewsher Consulting

13. LEGAL ISSUES AND LIABILITY FOR COUNCILS IN RELATION TO FLOODING 161
    JACINTA STUDDERT & PAUL BARAM
    Deacons Solicitors, Sydney, NSW

14. TWO-DIMENSIONAL FLOODPLAIN MODELLING THE CONCEPTS 169
    HABIB REHMAN, G COLLINGS & M ZOLLINGER
    Lawson & Treloar, Pymble, NSW

15. INNOVATIVE DATA ANALYSIS & DELIVERY: WHERE IS IT HEADING? 179
    BRONSON MCPHERSON
    Manly Hydraulics, Manly Vale, NSW

STREAM B

16. OPERATION WETHAVEN - TRAINING TO STAY AFLOAT 189
    DANIELA HEUBUSCH & JOHN KNOWLES
    Shoalhaven City Council, Nowra, NSW

17. A PROCESS FOR ACHIEVING COORDINATED FLOODPLAIN MANAGEMENT IN THE UPPER CONDAMINE FLOODPLAIN, QUEENSLAND 211
    DAVID WATERS
    Qld Dept of Natural Resources & Mines, Toowoomba, Qld

18. FLOODPLAIN MANAGEMENT IN THE USA - AN AUSSIE PERSPECTIVE 219
    IAN DINHAM
    Clarence Valley Floodplain Services, Grafton, NSW

19. RAINFALL GRADIENTS: THE MARRIAGE BETWEEN HYDROLOGY AND METEOROLOGY - COFFS CREEK CATCHMENT 223
    SCOTT LITTLE, BRUCE WITHNALL, ROBERT KELLY & JOHN ROWE
    Webb McKeown & Assoc, Sydney, NSW & Coffs Harbour City Council

20. MAKING FLOOD WARNINGS FLOAT: A PILOT PROJECT ON THE GEORGES RIVER IN SYDNEY 231
    ANDREW GISLING & DREW BEWSHIER
    SES, Wollongong, NSW & Bewsher Consulting Pty Ltd

    JOHN MADDOCKS & JOHN ROWE
    Bewsher Consulting, Epping, NSW & Coffs Harbour City Council

22. AN IMPROVED MODEL FOR COMMUNITY CONSULTATION? 247
    JOHN WOLFENDEN
    University of New England, Armidale, NSW
STREAM A

23. **INTEGRATED STORMWATER PLANNING** ________________________________________________ 255
   **Peter Davies**
   Ku-ring-gai Council, Gordon, NSW

24. **THE WORLD CUP FINAL REPLAY (CAN HISTORY REPEAT ITSELF?) - A COMPARISON OF FLOODPLAIN MANAGEMENT PRINCIPLES AND PRACTICE IN NSW AND GREAT BRITAIN** ______ 301
   **Allan Gear & Amy Hensler**
   Atkins Water

25. **ARE RESIDENTIAL PROPERTY VALUES ADVERSELY AFFECTED BY DISCLOSURE OF FLOOD RISK?** __________________________________________________________ 267
   **Dr Stephen Yeo**
   Bewsher Consulting Pty Ltd, Epping, NSW

STREAM B

   **Michael Wood, P Slavich & P Muldoon**
   Richmond River County Council, Lismore, NSW
   & NSW Agriculture Wollongbar Agricultural Institute, Wollongbar, NSW

27. **BETTER URBAN FLOODPLAIN MANAGEMENT OUTCOMES THROUGH STRATEGIC RIPARIAN CORRIDOR PLANNING - THE ILLAWARRA EXPERIENCE** ________________________________________________ 279
   **John Bugenskas**
   DIPNR, Wollongong, NSW

28. **FLOODING, FUNDING AND FLORA - THE STONEQUARRY FLOODPLAIN MANAGEMENT PLAN** ______ 291
   **Jamie McMahon**
   Wollondilly Shire Council, Picton, NSW