



TRAINING & PROFESSIONAL DEVELOPMENT

DEEP THINKING
FOR BETTER
WATER OUTCOMES

RAIN
RAIN CONSULTING

At Rain, we believe capability is built through practical experience, shared knowledge and meaningful conversations.

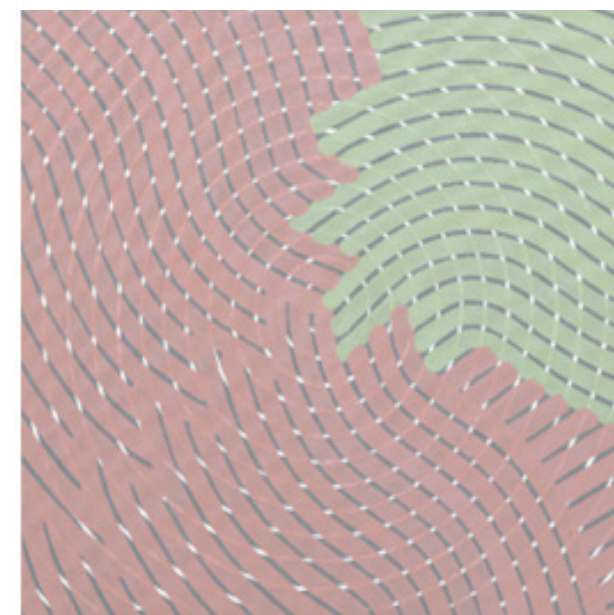
Our training is designed to help individuals and organisations make confident decisions, tackle complex challenges and create lasting impact in their communities.

ACKNOWLEDGEMENT OF COUNTRY

Rain Consulting acknowledges the Traditional Custodians of the lands, sea and waters on which we live and work. We recognise their continuing connection to land, water, and community, and we pay our respects to Elders past and present. We acknowledge that sovereignty was never ceded and extend that respect to all Aboriginal and Torres Strait Islander people we work alongside today.

OUR RECONCILIATION ACTION PLAN (RAP)

At Rain Consulting, we recognise the importance of reconciliation and are committed to playing an active role in building respectful and meaningful relationships with Aboriginal and Torres Strait Islander peoples. We have developed a Reconciliation Action Plan (RAP) as a framework to help embed reconciliation into our workplace culture, business practices, and community engagement efforts.



REFLECT

Our approach to implementing our RAP will be thoughtful, action-driven, and collaborative. We intend to integrate reconciliation into our policies, procurement practices, and project work, while creating opportunities for our team to listen, learn, and engage meaningfully with Aboriginal and Torres Strait Islander peoples. This includes partnering with First Nations businesses where possible, working with organisations that share our commitment to reconciliation, incorporating cultural awareness and capability training for staff, and seeking ways to support initiatives that contribute to Aboriginal and Torres Strait Islander self-determination.

We acknowledge that progress is more than steel and stone. Respect for First Peoples' deep ties to Country reminds us that sustainable futures are grounded in relationships, reciprocity, and care. This ethos is reflected in our decision to update our company constitution so that the environment and community come before profit in all business decisions.

GAAGAL

As part of our commitment to reconciliation, we acquired Gaagal, a piece of Indigenous artwork that reflects our business and supports the story and vision of our RAP.

“The phrase 'GAAGAL', translates to Ocean and is the totemic spiritual emblem of the Gumbaynggirr people. This is reflected in the topographical nature of the painting and its visual relationship to oceanic current charts and movements.”

WHY LEARN WITH RAIN

At Rain, training is built on real-world experience.

Our facilitators are practising engineers, scientists and strategic advisors working on complex flood, stormwater and water management projects across Australia.

Rather than teaching theory in isolation, we bring lessons learned from real projects into every session, helping participants build practical skills and confidence they can immediately apply.

Whether you're reviewing flood studies, planning capital works, implementing ARR2019 guidance or communicating technical information, our focus is on building capability that lasts long after the training has finished.

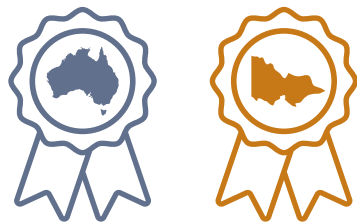


EXPERIENCE ACROSS

Councils | Water authorities | Government agencies | Consultants | Developers

AWARD-WINNING CAPACITY BUILDING

Recipient of the biennial 2024 State and National Stormwater Australia Excellence Awards for Capacity Building.



DEEP LOCAL GOVERNMENT EXPERIENCE

Extensive experience supporting councils, water authorities and government agencies to navigate complex flood, stormwater and water management challenges.

TECHNICAL AND STRATEGIC EXPERTISE

Extensive knowledge across flood modelling, stormwater management, integrated water management, climate adaptation and strategic planning.

FACILITATION AND STAKEHOLDER ENGAGEMENT SPECIALISTS

We create collaborative, engaging learning environments that build confidence and drive action.

LEARN FROM INDUSTRY LEADERS

Learn from the practitioners helping councils and organisations navigate today's most complex water management challenges.



RIANDA MILLS

Director | Senior Principal Engineer

Rianda is a recognised leader in water engineering, strategic planning and organisational capability, with more than 20 years of experience helping organisations tackle complex water management challenges. A Fellow of Engineers Australia, Adjunct Senior Research Lecturer, Dare to Lead trained facilitator and co-creator of the award-winning Melbourne Water Flood Management Capacity Building Program, she is passionate about building organisational capability through engaging, practical learning and translating complex technical concepts into clear, actionable insights.



JESSICA WARD

Principal Engineer

Jessica is a highly regarded practitioner in integrated water management, stormwater strategy and infrastructure delivery. A Chartered and Registered Professional Engineer, Dare to Lead trained facilitator, she has led major precinct-scale strategies, drainage schemes and stormwater infrastructure projects across Victoria. Jessica combines technical rigour with practical delivery experience, helping practitioners understand how effective planning, collaboration and design translate into successful project outcomes.



LUKE CUNNINGHAM

Director | Senior Principal Engineer

Luke is a recognised leader in flood management, stormwater planning and governance, with more than 20 years of experience helping organisations solve complex water management challenges. As a Fellow of Engineers Australia, contributor to the Victorian Urban Drainage Manual, Dare to Lead trained facilitator and co-creator of the award-winning Melbourne Water Flood Management Capacity Building Program, Luke brings together technical expertise and strategic thinking to help practitioners confidently apply learning to real-world challenges.



AMIN ZARRIN

Project Engineer

Amin specialises in development assessment, drainage planning and stormwater management across local government, Melbourne Water and development-sector projects. He has contributed to major drainage schemes, flood impact assessments and the Victorian Urban Drainage Manual. Amin is passionate about helping practitioners build practical technical skills and confidence that can be immediately applied in day-to-day decision-making.

EXPLORE OUR TRAINING COURSES

Practical learning for better water outcomes

Developed by industry practitioners, our courses help councils, water authorities and consultants build the knowledge and confidence to make better decisions around complex flood and stormwater challenges.

All courses are designed to support the CPD requirements of professional engineers. Participants should assess each course against the requirements of their applicable registration or professional body.



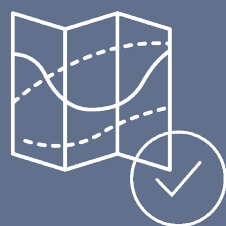
STRATEGIC FLOOD MANAGEMENT

Flood and stormwater strategies; shifting from reactive to strategic management



INTERPRETING CONSULTANT OUTPUTS

From flood modelling analysis to practical decision-making



FLOOD STUDY REVIEW

Understanding and interpreting flood study outputs



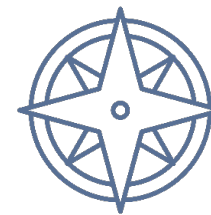
FLOOD MITIGATION

Developing practical and effective flood mitigation solutions



FLOOD GOVERNANCE AND RISK-BASED DECISION MAKING

Building confidence in flood-related decision making



STRATEGIC FLOOD MANAGEMENT

Flood and stormwater strategies; shifting from reactive to strategic management

Course Overview

Duration: 2 days

Capacity: Up to 10 participants

This course provides council officers and senior managers with a strategic understanding of flood and stormwater management within local government. Participants will explore how councils can move beyond reactive responses to adopt proactive approaches that reduce risk, improve resilience, and support long-term community outcomes.

The course examines the impacts of climate change, flood mitigation and resilience strategies, environmental responsibilities, legislative and policy obligations, and the role of flood modelling in supporting informed decisions, investment planning, and cross-organisational collaboration.

Target Audience

Senior officers and managers involved in drainage, engineering, planning, asset management, emergency management, environmental management, infrastructure, maintenance, and capital works planning.

Delivery Options

- Onsite workshop
- Multiple online sessions (delivered over one week)

Course Content

- Understanding the role of flood and stormwater management in local government
- Assessing the impacts of flooding on communities, infrastructure and the environment
- Comparing reactive and proactive approaches to managing flood risk
- Understanding legislative, policy and governance responsibilities
- Assessing climate change considerations and future flood risk
- Using flood modelling and other technical tools to support decision-making
- Exploring flood mitigation and resilience planning strategies
- Prioritising flood management investments, programs and initiatives
- Identifying opportunities for integrated planning and cross-council collaboration
- Moving to proactive maintenance of drainage assets, saving time and money





INTERPRETING CONSULTANT OUTPUTS

From flood modelling analysis to practical decision-making

Course Overview

Duration: 1 - 1.5 days, based on content selected

Capacity: Up to 12 attendees, online or in person

This course equips council officers with the practical knowledge needed to interpret consultant reports and modelling outputs with confidence. Participants will learn how flood studies, Flood Impact Assessments (FIA), and stormwater modelling are used to support planning, development assessment, infrastructure investment, and emergency management.

The course also provides guidance on reviewing technical studies and understanding key assumptions and limitations, enabling participants to translate consultant findings into practical outcomes.

Target Audience

Council officers involved in drainage & stormwater management, engineering, planning, design & development, environment & infrastructure, asset management, emergency management, floodplain management.

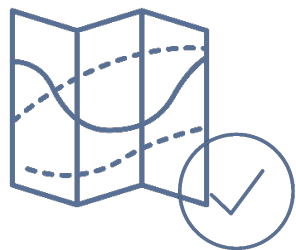
Delivery Options

- Onsite workshop
- Multiple online sessions (delivered over one week)

Course Content

- Understanding consultant deliverables and technical reports
- Interpreting a Flood Impact Assessment (FIA)
- Evaluating flood modelling outputs, maps and data
- Determining flood levels and flood risk for individual properties
- Assessing key regulatory and technical requirements, including:
 - ARR2019
 - On-Site Detention (OSD)
 - Legal Point of Discharge (LPOD)
- Using flood modelling information to support planning, drainage maintenance, development assessment and capital works prioritisation
- Applying modelling results to stormwater management solutions
- Using MUSIC modelling to assess stormwater quality outcomes
- Common questions to ask when reviewing flood studies and consultant recommendations
- Responding to community concerns using evidence-based information





FLOOD STUDY REVIEW

Understanding and interpreting flood study outputs

Course Overview

Duration: 4 - 6 hours

Capacity: Up to 20 participants

This course provides council officers with the knowledge and confidence to review, interpret, and apply flood study findings. Participants will gain a practical understanding of flood modelling outputs, consultant reports, model assumptions, and key flood risk information.

Through guided review of real-world examples, the course helps participants understand what flood studies mean, how they can be applied to council functions, and the questions they should be asking consultants to support informed decision-making.

Target Audience

Council officers involved in engineering, drainage & stormwater management, planning, design & development, environment & infrastructure, asset management, emergency management, floodplain management.

Delivery Options

- Onsite workshop
- Multiple online sessions (delivered over one week)

Course Content

- Exploring flood study and hydraulic modelling methodologies
- Reviewing consultant reports and technical deliverables
- Evaluating model inputs, assumptions, limitations and levels of confidence
- Understanding flood maps, flood extents, depths, velocities, hazards and flood levels
- Interpreting and validating flood model outputs and results
- Identifying key findings and implications for planning, maintenance, infrastructure, asset management, and emergency management
- Critically reviewing flood studies, assumptions and consultant recommendations
- Applying flood study outcomes to council policies, projects and operational decisions
- Communicating flood risk information to decision-makers and stakeholders



FLOOD MITIGATION

Developing practical and effective flood mitigation solutions

Course Overview

Duration: 2 x 6 hour sessions (plus optional modules) **Capacity:** Up to 5 participants

This course provides a practical approach to identifying, assessing, and developing flood mitigation solutions using flood modelling outputs. Participants will learn how to evaluate mitigation opportunities, assess feasibility, and progress concepts through to functional design, to support effective flood risk-reduction projects.

Target Audience

Council officers & technical personnel involved in engineering, drainage & stormwater management, Infrastructure planning & delivery, asset management, floodplain management, capital works planning.

Delivery Options

- Onsite workshop

Course Content

- Developing and screening potential mitigation options
- Interpreting flood model outputs to understand flood behaviour and constraints
- Assessing mitigation feasibility using:
 - Flood behaviour and flow paths
 - Topography and contours
 - Existing pipes, drains and infrastructure
 - Land constraints and constructability
 - Cost, benefits and community outcomes
- Comparing and prioritising mitigation options based on performance, feasibility and value
- Designing retarding basins, wetlands and major drainage systems from concept to functional design
- Using RORB, MUSIC and TUFLOW to support mitigation assessment and design
- Prioritising areas for flood mitigation using a risk assessment framework

Optional Modules (2 hours each)

- Traditional Flood Mitigation Infrastructure
 - Pipe capacity upgrades and drainage network improvements
 - Retarding basin and tank planning, assessment and design
 - Hydraulic and hydrologic modelling for mitigation assessment
- Distributed Mitigation and WSUD Solutions
 - Permeable pavements and kerb & infiltration systems
 - Rain gardens and bioretention systems
 - Passively irrigated tree pits
 - Catchment-scale stormwater management
 - Integrating Water Sensitive Urban Design (WSUD) into flood mitigation strategies





FLOOD GOVERNANCE AND RISK-BASED DECISION MAKING

Building confidence in flood-related decision making

Course Overview

Duration: 3 hours

Capacity: Unlimited

Effective flood management requires decision makers to balance risk, investment priorities, community expectations, and legislative responsibilities. This course provides a practical framework for using flood modelling and risk information to support governance, planning, asset management, investment prioritisation and emergency management.

Participants will learn how to assess flood risk, prioritise actions and funding, and make informed, evidence-based decisions that improve community resilience and support organisational objectives.

Target Audience

Senior officers, managers and decision-makers responsible for governance, risk management, planning, engineering, drainage & stormwater management, asset management, environmental management, emergency management, infrastructure, maintenance, and investment decision-making.

Delivery Options

- Onsite workshop
- Online session

Course Content

- Exploring the principles of risk-based flood management and decision making
- Understanding, assessing and communicating flood risk
- Applying flood risk information within governance, asset management and investment decision making
- Prioritising flood risks, management actions and investment decisions
- Applying risk-based approaches to:
 - Grant funding applications
 - Benefit-cost assessments
 - Drainage maintenance programs
 - Flood mitigation and resilience projects
- Using flood modelling to support emergency management, including:
 - Emergency planning
 - Evacuation planning
 - Road closure planning
 - Response and recovery planning
- Integrating flood risk considerations into Integrated Water Management (IWM) and Water Sensitive Urban Design (WSUD)
- Developing transparent, defensible and evidence-based flood management decisions



TAILORED TRAINING & PROFESSIONAL DEVELOPMENT

Every organisation is different.
Your training should be too.

No two organisations face exactly the same challenges.

Whether you're building flood management capability, implementing new planning controls, improving development assessment processes or preparing teams for future leadership roles, Rain can design a program tailored to your organisation's goals, priorities and existing capability.

We work with clients to develop practical learning experiences that address real challenges and deliver lasting value.



Need something beyond
our standard courses?

Let's build something
together.

Courses can be built around your organisation's projects, flood studies, planning processes, strategic priorities or capability gaps.



AT RAIN, WE EXPLORE EXCEPTIONAL WATER MANAGEMENT APPROACHES AND ADAPTATIONS THAT SUPPORT THE COMMUNITY AND THE ENVIRONMENT. BETWEEN STORM AND STILLNESS, WE CREATE SPACE WHERE BOLD IDEAS TAKE ROOT AND WISER FUTURES GROW. THROUGH CARE, HONESTY, COLLABORATION AND HIGH STANDARDS, WE CREATE A LEADERSHIP RIPPLE EFFECT THAT ACCELERATES MEANINGFUL AND MEASURABLE IMPACT.



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Request a Quote

