



New Zealand

IPWEA

INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

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WM 104 – Introduction to Flood Risk Asset Management

Overview

WM 104 introduces an overarching framework for tactical flood risk asset management and its four key components: inspection, performance, risk management, and planning.

Providing an overview to the world of asset inspections and condition assessments, the course also covers the fundamental basics of performance, risk management and planning.

In this course you will gain an understanding of:

1. An overarching framework for tactical flood risk asset management
2. Asset inspections and condition assessments, including the different types of inspections and grading systems
3. The importance of, and difference between, asset condition and asset performance
4. Critical assets, the components of risk, and how risk is managed
5. The Four R's of Emergency Management
6. Planning: floodplain risk management and the lifecycle management of assets.

Who should attend

- Operational personnel responsible for flood protection asset inspections and condition assessments.
- Practitioners working in flood risk management, asset management or related fields.
- Anyone that is tempted by a career in flood risk asset management.

Typical attendees include

- River practitioners
- Students
- Graduates
- Asset Managers
- Operational Personnel
- Consultants
- Contractors
- Public works professionals
- Operations Engineers

Outcomes

The participant will be introduced to an overarching framework for flood risk asset management, and demonstrate an understanding of each framework component.

Learning material

- Text, images, video
- Formative assessment
- Activities
- Case studies
- Summative assessment

Content

- Flood Risk Asset Management framework
- Asset Inspections & Condition Assessments
- Performance Assessments
- Risk Management
- Asset Management Planning
- Floodplain Management

Pre-requisites: None

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