



# Natural Resource Management Services

Strategy, Planning, Analysis, Engagement, Review

Our expertise in natural resource management (NRM) including land, water and biodiversity, and stakeholder and community engagement, enables us to provide a complete service to the NRM sector.

Halcrow is a global multi-disciplinary consultancy with offices in 70 countries. We have been working with clients in Australia since 1993. We have extensive skills and experience in NRM strategy and planning, policy analysis and development, water management and modelling, stakeholder engagement, state of the environment reporting, and program evaluation.

Our Australian team has successfully combined policy, economic, sustainability, environmental engineering, natural resources and engagement skills to establish an enviable reputation as an innovative and dedicated NRM service provider. Through our strategic, negotiation and consensus building skills, we deliver ground-breaking NRM thinking.

## Our Approach

Our aim is to develop innovative, effective and practical NRM solutions. We take the time to fully understand your needs and any barriers to success, and then use that knowledge to provide well considered and persuasive ideas, models, frameworks and reports that meet your requirements.

Our principle of seeking more sustainable solutions to projects, and communicating the right messages to you and your stakeholders, will always guide our approach.

Situation analysis and early option identification followed by keen engagement forms an important part of our process. This means we are well placed to consider various views and increasing requirements for stakeholder involvement.

The wider services that Halcrow offers, such as environmental engineering, water modelling, economics, and risk analysis, ensure we can deliver finely tuned NRM services to meet your requirements in every situation.

## Our NRM Services

Halcrow's NRM services and expertise includes:

### **NRM Strategy and Planning**

- NRM strategy and plan development, implementation and review along with preparation of NRM guidelines. Our approach includes assessment and benchmarking of NRM best practice.

### **Policy Development and Economic Analysis**

- NRM policy analysis and development, and economic assessment including cost benefit analysis and triple bottom line assessment.

## Water Management:

- Integrated water resource planning supported by:
  - hydraulic modelling and surge analysis
  - flood studies, modelling, mapping and flood risk assessment
  - stormwater modelling and quality studies, and
  - waterway and statutory planning.

## Monitoring, Evaluation, Reporting and Improvement

- NRM monitoring and indicator development, program evaluation, NRM reporting and program logic application.

## State of the Environment (SoE) Reporting

- SoE reporting framework design and review, and sustainability reporting and assurance.

## Stakeholder Engagement

- Stakeholder engagement and liaison, and workshop facilitation.

## Delivering Value – Selected Projects

### ■ Regional Catchment Strategies and NRM Legislation and Policy

We analysed relationships between NRM-related legislation and policy in Victoria, and mapped the NRM legislation and policy framework to inform development of Regional Catchment Strategy Guidelines for the Department of Sustainability and Environment (DSE). Halcrow delivered an intricate map illustrating the complex policy and legislation relationships.

### ■ Landscape Interventions to Improve Soil Management

As part of the development of a State-wide Soil Health Strategy for DSE, we analysed the soil, land management and NRM policy context, and undertook stakeholder engagement in developing a report outlining strategic interventions across the landscape at scales applicable to state and regional actions.

### ■ Knowledge Transfer and NRM

We completed a review of knowledge transfer processes to inform evidence-based NRM policy with an extensive literature review and stakeholder engagement process for DSE.

### ■ Strategic Review of Integrated Water Management (IWM)

We completed a review of IWM in the United Kingdom, Europe, North America and Australia to report on best practice IWM for Melbourne Water.

### ■ Flood Risk Reduction Assessment

We analysed the costs and benefits of various non-structural flood risk reduction measures for DSE. We developed an economic model to assess the costs and benefits of various flood risk reduction measures across Victoria on a state-wide basis.

### ■ State of the Environment (SoE) Reporting Review

We reviewed SoE and other reporting models to develop a framework and inform future SoE reporting in the Australian Capital Territory for the Office of the Commissioner for Sustainability and the Environment.

### ■ Review of the Lower Murray Reclaimed Irrigation Areas (LMRIA) Program

We reviewed the LMRIA program for the South Australian Department of Water, Land and Biodiversity Conservation to determine the success and capture the lessons learned for future reference with significant analysis and stakeholder engagement.



## Contact us

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