



MGM

Matrix of Good Management

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National Challenge to Maintain or Improve Water Quality

- Regional differences – in approach and progress
- Similar challenges and themes across NZ
 - Definition of good practice
 - Understanding impacts of good practice on water quality
- No common understanding of good practice and
- No systematic approach to estimate N and P losses associated from farms operating with good practice.

Collaborative approach

- **Ecan and agricultural industries:**
 - Define Good Management Practice
 - Consensus approach across sectors
 - Define main farm systems, use data from actual farms
 - Overseer to model expected losses across soils and climate combinations (Ecan)
 - Developing methods to group similar farm systems, soils, climate combinations

Output

- **Industry defined Good Management Practices**
- **ECAN will develop (2015) table of N and P loss benchmarks for range**
 - Farm systems
 - Soil types
 - Climate
- **Landowners can compare estimated nutrient loss (via Overseer) with the values in the matrix**
- **ECAN expects**
 - National consensus for GMP being the minimum performance standard for farming
 - Farms will be applying GMP by 2017

Meeting Water Quality Objectives

- In catchments where nutrient loads will not (or don't) deliver water quality objectives:
 - Council and community response
 - Consider the mechanisms available to meet targets, including
 - Require higher performance beyond GMP

Benefits

- **Inform community debate about water quality targets through better understanding of farm systems operating at GMP**
- **Enable catchment loads of N and P to be estimated**
- **Predict changes in N and P arising from land use change**
- **Robust, credible and transparent approach to establishing benchmarks**

National context

- **Social, technical and political challenges**
- **Consensus approach – regulatory, research and industry players**
- **Approach applicable and information transferable across NZ**
- **Consistent**
- **Efficient**

Tasman Context

- Industry involvement and buy in
- Methodology determined
- Not re-inventing or re-doing
- Support across councils/industries
- Applying findings from elsewhere
- Building on work already started