



Lake Rotorua Nutrient Management

Land TAG



Bay of Plenty Regional Council, Rotorua Lakes Council and Te Arawa Lakes Trust.
Working as one to protect our lakes with funding assistance from the Ministry for the Environment.

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Clarifying LTAG's role: Policy context, policy advice needs and LTAG's modus operandi



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Policy history

2001: Trophic Level Index target set at 4.2

2008: “Rule 11”: N and P discharges capped at 2001-04

2009: Lake Rotorua and Rotoiti Action Plan

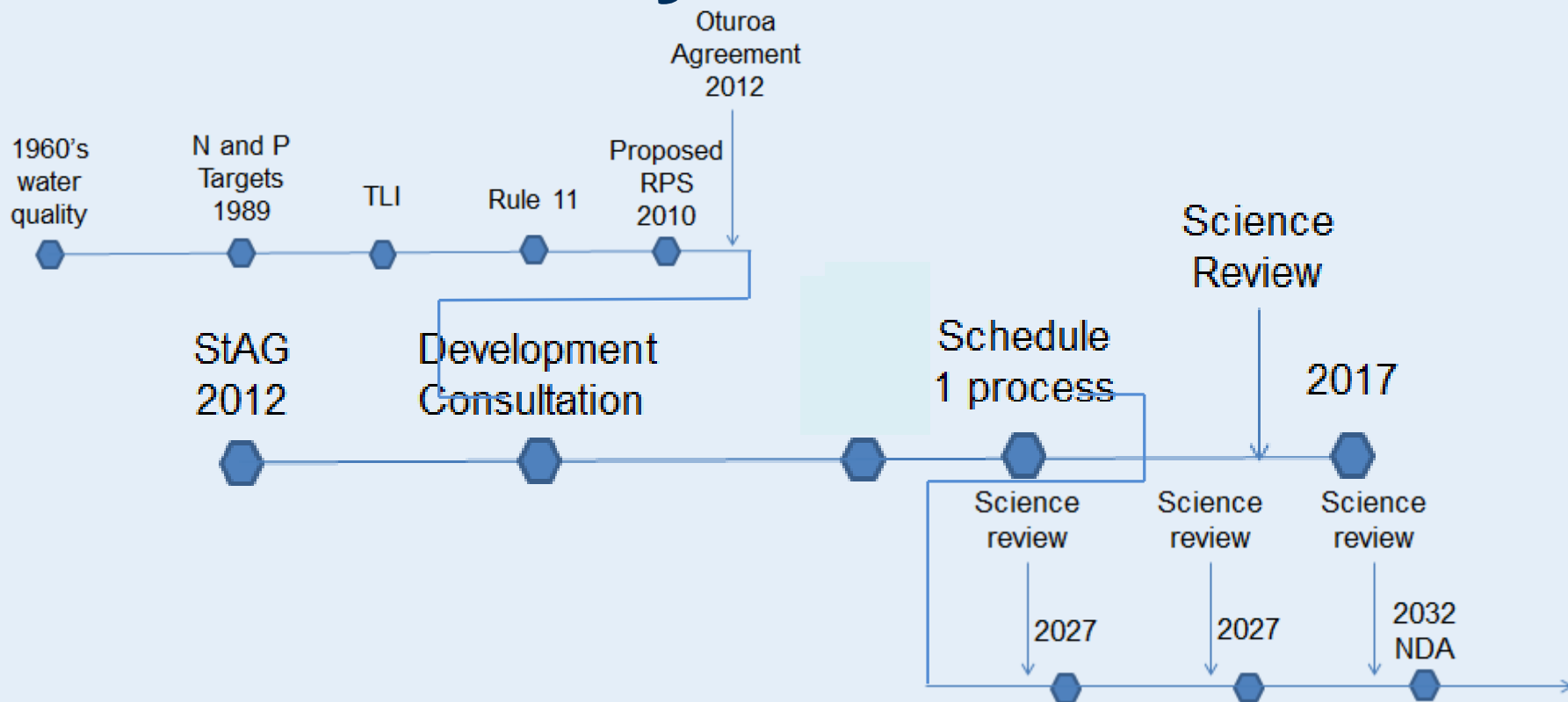
2010: Regional Policy Statement notified

2012: Oturoa Agreement

2013: Regional Policy Statement operative



The Journey



Integrated Framework

Rules Programme – 140 tonne reduction

By 2015	Farm Nutrient Plans	Plans will be put in place for every farm, setting out a practical pathway of staged nitrogen reductions.
By 2017	Resource consents	Farms will be consented, with a Farm Nutrient Plan as a consent condition.
By 2032	Nitrogen Discharge Allowances	Average of 35 kgN/ha/yr for dairy and 13 kgN/ha/yr for drystock, with adjustments made for geophysical and farm system characteristics.

\$5.5m available to support meeting the requirements of the rules and to engage with the incentives fund.

Incentives Programme – 100 tonne reduction

By 2022	Incentives fund	\$40m “below the line” to remove 100 tonnes of nitrogen.
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Gorse Programme – 30 tonne reduction

By 2022	Gorse fund	Separate funding to remove 30 tonnes of nitrogen from gorse.
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Principles

- Land use rules to give nitrogen reduction
- Timeframes for transitions - managed reduction (2017, 2022, 2027, 2032)
- Adaptive management
- “Everyone needs to be part of the solution”
- Balancing nitrogen risk with resources
- Based on best science/good data, tracking progress

Looking for behaviour change



RPS

- 435 tonnes
- Allocation
- Rules

Discounted
options

Only
Rules

Rules within
the Integrated
Framework

Multiple allocation options

Multiple range options

On-Farm economic analysis

District economic analysis

Are rules under
the Integrated
Framework still
too costly for the
community?

Allocation

- Who gets what
- Methodology to change Benchmark into Nutrient Discharge Allowance
- Long process of debate through Stakeholder Advisory Group (StAG)
- Multiple Options

Trading

- Trading to help transition (short term)
- Long term NDA trading
- Long term shift towards natural capital?
- Interaction with the Incentives Scheme

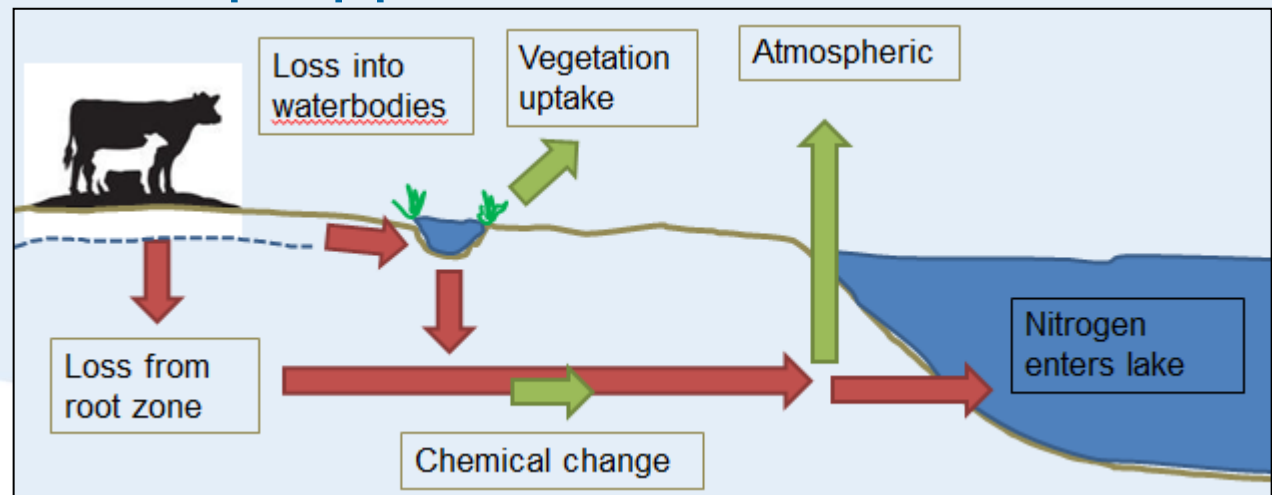
Ongoing Policy needs....

OVERSEER

- consistency over time, reference files, relative effort
- calibration opportunities

Future ROTAN

Attenuation – all help appreciated!



Ongoing Policy needs....

Phosphorus management – ongoing challenge to rules

Economic understanding:

- Overviews, refinement
- Community interest

Economic future:

- Exploration of viable, pragmatic landuses
- Barriers to a future low nitrogen rural economy
- *Natural capital return on social investment?*



But also....

Where do you see opportunities/things we should be looking at?



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