# Lake Rotorua Stakeholder Advisory Group

## - Post-StAG Forum, Accord, 4ha to 10ha

8th December 2015

ROTORUA TE ARAWA LAKES PROGRAMME

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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# Post-StAG forum

Early comments have supported the idea

Some volunteers already!

Focus on implementation matters

Testing operational ideas

Working with Council staff, established by Council

# Link to Accord?

Next agenda item is Accord

Contains an "Accord monitoring forum"

How would these interact?

# Discussion

What purpose/roles would a Post-StAG forum have?

Are there specific tasks?

Are there specific matters from previous discussions that could be addressed?

# Accord

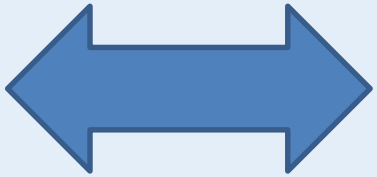
Draft circulated – key word "draft"!

A few comments received, generally supportive

Accord timeframe – 2032: need to build in regular reviews/refocussing exercises

Questions about how the post-StAG forum might be connected to a Accord Group

Rule implementation



Integrated Framework monitoring

# Questions

Is it a good idea?

If so:

- Who should be the parties to an accord?
- What are the primary drivers for being a party?
- How should an accord be drafted, acknowledging the multi-party basis?
- Is this the post-StAG forum (implementation focussed)? Can it encompass it?

# Key Drivers?

- Ongoing input into policy development
- Overview of the Integrated Framework implementation
- Ongoing provision of advice on adaptive management
- Design of science reviews
- Commentary on integration of the programme elements

# Discussion

What do you think the Accord should contain?

What do you want to see in the Accord?

Who?

Long/short?

Specific issues?

*How do we communicate support back to Programme Partners?*

# 4 ha to 10 ha

- StAG supported having a 4 ha threshold
- No nitrogen limitations in the rule
- Exclusions: commecial dairying, cropping, horticulture

- Request to look further at a higher threshold (10 ha)

# Process

Looked at:

- Number and size of properties
- Overall scale of nitrogen loss
- Property based nitrogen loss estimates
- Commerciality (using GST information).

Data set not great for nitrogen loss (benchmarking). OK  for numbers. GST limited

# Number and size

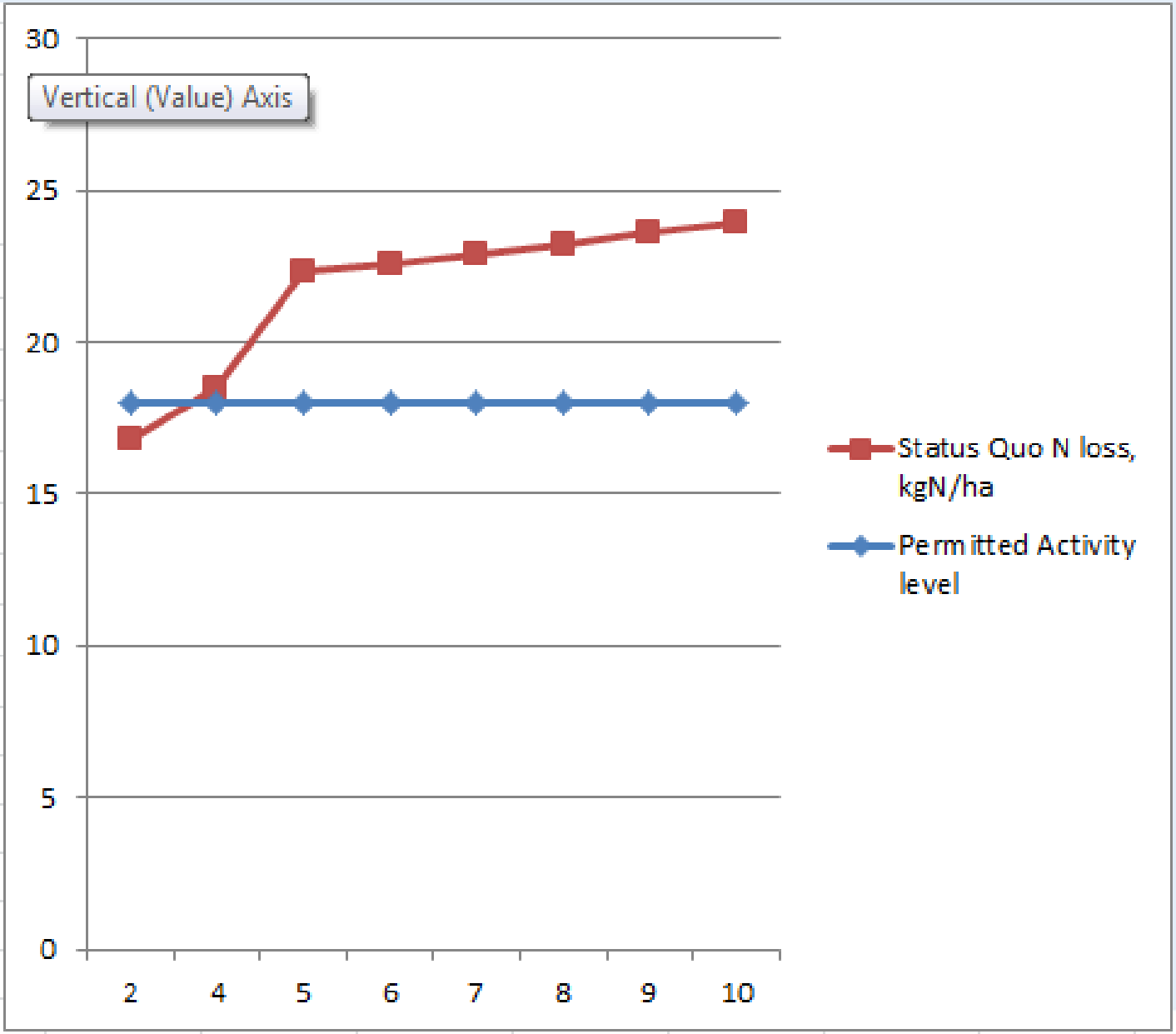
| Area Size Band | Total Small Blocks | Cumulative Small Blocks | Total Area Small Blocks (ha) | Average Small Block size (ha) |
|---|---|---|---|---|
| 0.05 - 0.4 ha | 214 | 214 | 42 | 0.20 |
| 0.4 - 2 ha | 674 | 888 | 624 | 0.93 |
| 2 - 4 ha | 157 | 1,045 | 438 | 2.79 |
| 4 - 10 ha | 265 | 1,310 | 1501 | 5.66 |
| 10 - 20 ha | 102 | 1,412 | 1389 | 13.62 |
| 20 - 30 ha | 56 | 1,468 | 1129 | 20.16 |
| 30 - 40 ha | 16 | 1,484 | 510 | 31.88 |
| Total | **1,484** | | **5634** | **3.80** |

# Extrapolated nitrogen loss

| Area Size Band | Total BMed Small Blocks | Average Benchmark |
|---|---|---|
| 0.05 - 2 ha | 2 | 16.8 |
| 2 - 4 ha | 2 | 18.5 |
| 4 - 10 ha | 12 | 23.1 |
| 10 - 20 ha | 19 | 28.2 |
| 20 - 30 ha | 15 | 26.9 |
| 30 - 40 ha | 8 | 34.9 |
| Total | **58** | |

# Regression analysis of Nitrogen Loss

| Area bands | Count Small Blocks[V R] | Total area, ha | Effective area, ha | Status Quo N loss, kgN/ha |
|---|---|---|---|---|
| 0.05-2 ha | 888 | 666 | 370 | 16.8 |
| 2-4 ha | 157 | 438 | 312 | 18.5 |
| 4-5 ha | 117 | 507 | 399 | 22.3 |
| 5-6 ha | 44 | 228 | 168 | 22.6 |
| 6-7 ha | 43 | 269 | 224 | 22.9 |
| 7-8 ha | 25 | 178 | 119 | 23.2 |
| 8-9 ha | 18 | 150 | 105 | 23.6 |
| 9-10 ha | 18 | 169 | 122 | 23.9 |
| Total | 1310 | 2605 | 1818 | |

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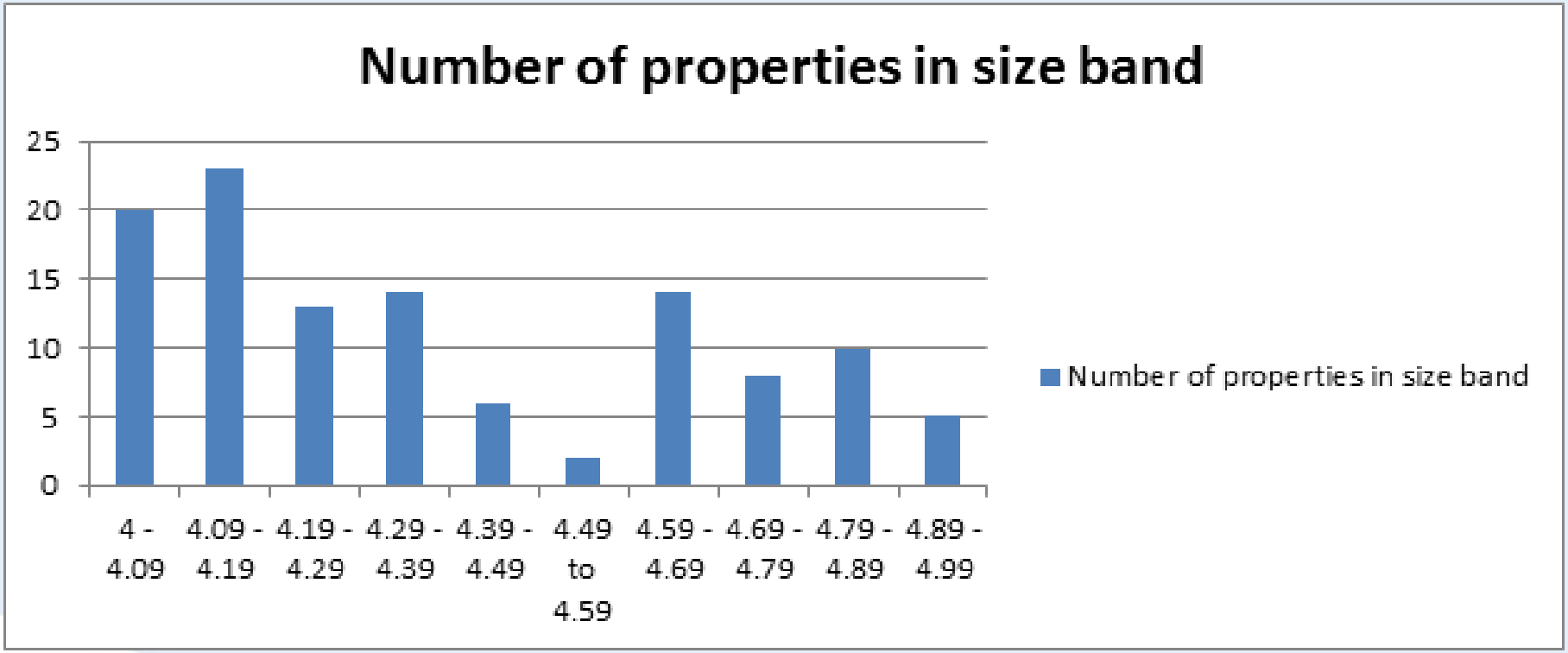
# Number of properties between 4ha and 5 ha




**N = 115**

**10 acres = 4.047 ha**

# 4 ha in summary

- Between 70% and 75% of properties
- Most likely to be lifestyle
- Point where permitted activity nitrogen loss level is exceeded.
- 4 ha is a commonly understood property size

Data set is not overly robust. But 4ha is supported by what data is available.

⇨Likely topic for submission process