



Lochiel Farmlands Ltd Hearing Submission

22nd May 2019

Kim Robinson (CEO) and Rob
Macnab

Total-Ag.com

Agenda



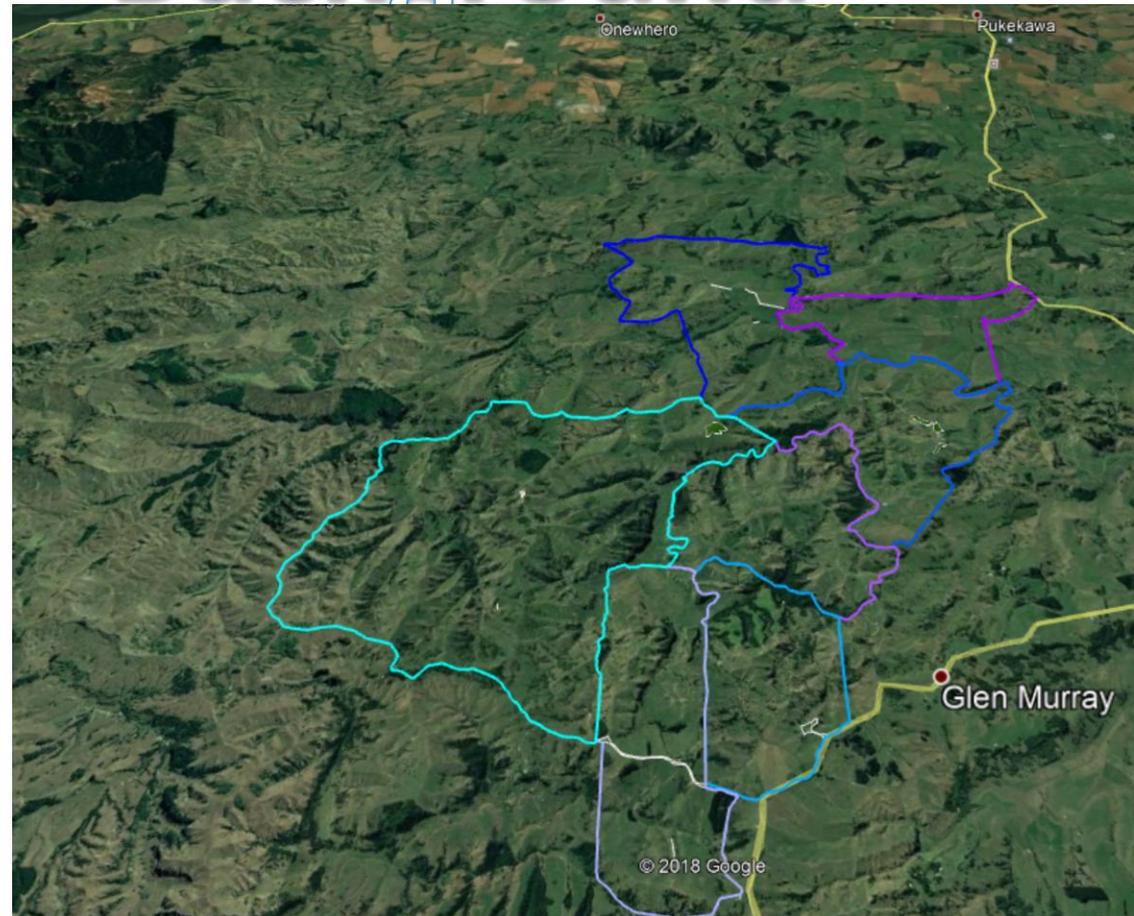
- Background –Kim Robinson
- Farm Environment Process Lochiel Farmlands
 - Outcomes
- Water Quality Results
 - Test Results
- Issues with Koi Carp
 - Electro Fishing Results

Lochiel Farmlands



Background

- Purchased in 2001
- Currently 3,523ha running 50,000SU.
- Stocking rate 9SU/ha with balance grazed off farm.
- Over 8,000 Poplar Poles planted with 155ha getting full canopy coverage.
- Farm Environment Plan written up and Overseer Nutrient budget regularly updated.
- Employ 8 staff plus contractors.
- Water testing since 2006
- Winner of Ballance Farm Environment Livestock Award 2007



Farm Environment Plan



Initiated under the “Green Tick Programme” in early 2000’s

Been part of Lochiel Farmlands farming plans for over 15 years with over \$1,000,000 spent on environmental and critical source area management.

Farm Environment Plan based upon B + LNZ Land Environment Plans and Waikato Regional Council draft Farm Environment Plan, completed in 2018.



Critical Source Area Land Movement

Poplar Poles 4 years old



Critical Source Area Land Movement

Poplar Poles 20 years old on
Driveway



Farm Environment Plan



7 Land Management Units identified

Risk assessment carried out on 4 Contaminants

Overseer 6.3 assessed Nitrogen lost to water as 14kgN/ha

17 Response identified of which 13 were implemented and 3 Having concrete plans in place to carry out.

Farm Environment Plan only confirmed what was occurring



Riparian Area

Fenced and planted out



Water Testing

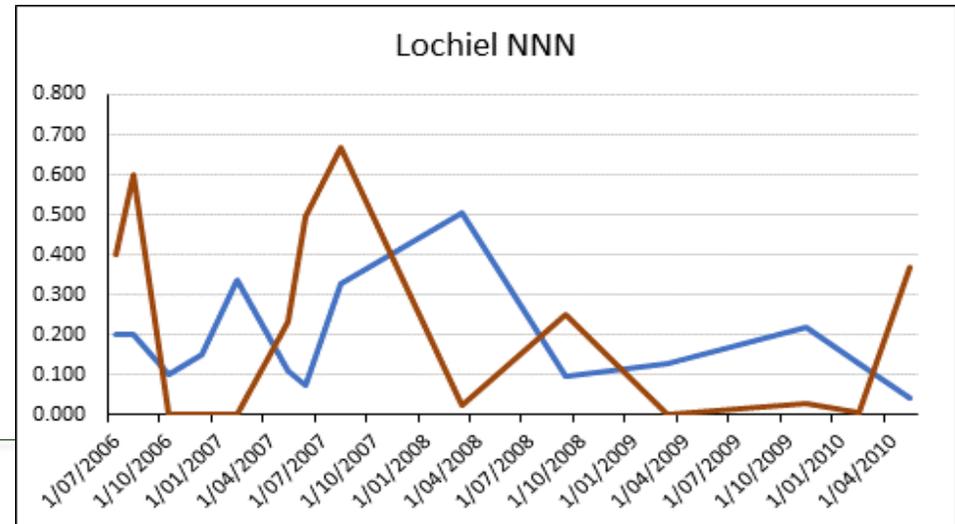
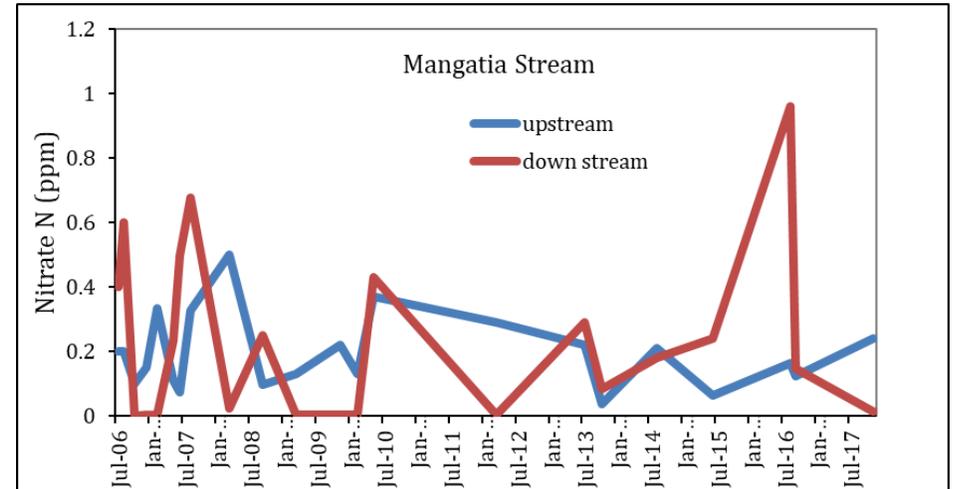


Testing done on Maungatui and Opuatia Stream consistently (22 samples) since 2006.

Results analysed by Bob Wilcock (NIWA) and Doug Edmeades (Agknowledge)

Both conclude that N concentration in water are not impacted by farming at Lochiel and are lower than the 80 year targets already.

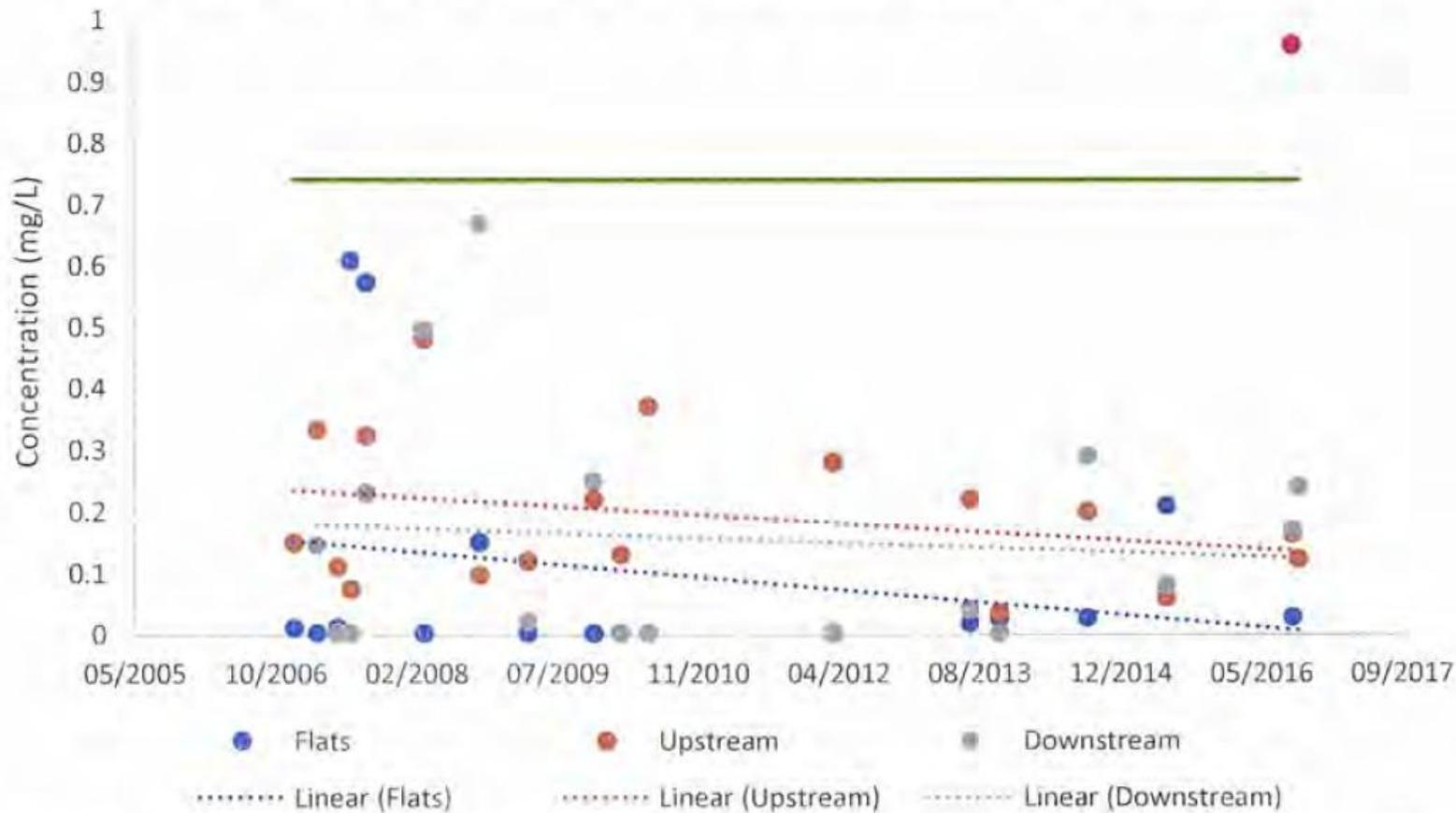
Whilst at risk of P loss, this testing doesn't indicate any detrimental effects.



Water Testing



Nitrate-N Concentration in the Mangatia Stream



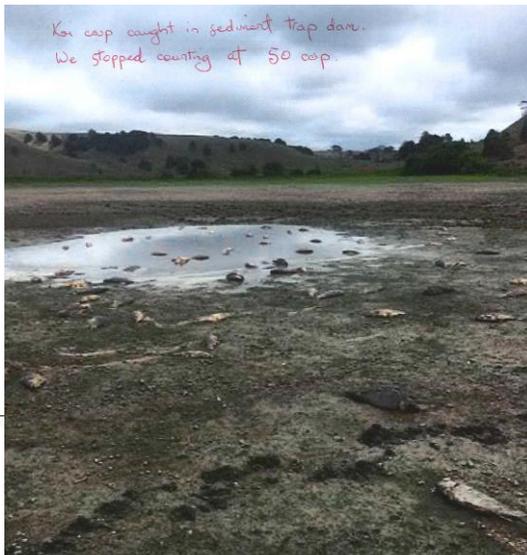
Koi Carp



In February 2017 Aqua NZ both netted and electro fished a 400m section of the Opuatia stream.

Only Adults over 10cm were caught, Juveniles allowed to pass through.

34.5kg of Koi Carp were caught, 11 individuals.



Koi Carp

This equates to 3.319 tonnes of Koi Carp In the Lochiel Farm sifting 44.46 tonnes of silt per day.

This is also backed by when a sediment trap dried out after flooding with over 50 dead koi carp in an area estimated to be 400m².



Koi Carp

- Visual the length of the stream



Relief Sought



- Farm Environment Plans designed so can be completed by Farmers at little cost as they are already being implemented.
- Remove requirement for NRP as there is little effect on N in water from Drystock farms
- Waikato Regional Council also develop a control programme in respect to Koi Carp prior to implementing any allocation on P Loss from farms in the lower Waikato