

PLAN CHANGE 1 - DAY 8

Tuesday 26th March 2019

Panel: **B Morrison, S Tepania, G Hill (Chair), T Robinson, G Ryder**

START 8.58am

Greg Hill

9.00am

Beef and Lamb

Chris Thomsen

9.10am

T Robinson

questions re para 15, King Salmon / purpose of the Act

C Thomsen

9.17am

T Robinson

questions re rational transport, appropriate / best option

C Thomsen

9.23am

T Robinson

question re juxta position, 2026

C Thomsen

9.26am

T Robinson

question re misleading

C Thomsen

G Hill

objectives, Table 3

9.31am

T Robinson

question re sufficient information

C Thomsen

9.35am

G Hill

question re Puke Coal, make it better, purpose of the Act

C Thomsen

9.39am

S Tepania

question re para 54 protection, restore, improve and maintain

C Thomsen

T Robinson

question re restoration, particular state, point in time, contradictory

C Thomsen

9.51am

T Robinson

questions re values, tension, hierarchy, restoring river swimming, wastewater / objectives not consistent

C Thomsen

9.56am

G Hill

values, objectives reframed, stand on own, hierarchy

10.01am
T Robinson question re subject to scope
C Thomsen

10.03am
T Robinson questions re Ms Jordan's evidence / relied on by others / scope of PC1, Mercury / Waikato Hydro system
C Thomsen
G Hill comment on scope

10.11am
T Robinson comment
C Thomsen

10.14am
T Robinson clarification, rational transport
C Thomsen

10.19am
T Robinson BoE decision, disagreed with, opposition
C Thomsen

10.24am
T Robinson question re element of truth
C Thomsen

10.28am
T Robinson question re directed
C Thomsen

10.40am
G Hill comment
C Thomsen
T Robinson re FMUs, labeling correct
C Thomsen

10.45am MORNING TEA BREAK
11.03am RESUMED

Sam McGiver
11.22am (Video)

11.23am QUESTIONS
B Morrison overseer, how much of a tool / 140 hectares, levy holders, QE2 coveted land
S McGiver

11.26am
S Tepania comment
S McGiver

11.27am
G Hill numbers, sub catchment approach, levy holders
S McGiver

11.29am
B Morrison comment, site visit
S McGiver

11.30am
Hannah Mueller

11.39am
QUESTIONS

G Ryder Table 1 water quality indicators, relationship water temperature and land use / any particular land / dairy, sheep and beef linkage / dissolved oxygen / water quality parameters / nutrient management / WRC monitoring, need elevating / state of plans, water quality outcomes / Hamilton lake / trend analysis / phosphorous reference point / farming environmental plan

H Mueller

11.57am
T Robinson water quality trends of water tributary /NCl, test of weight able stream / nutrient limitations / off setting
H Mueller

12.05pm
S Tepania sustainable development, dissolved oxygen
H Mueller

12.08pm
Dr Christopher Dada

12.12pm **PowerPoint**

12.24pm
QUESTIONS

G Ryder land use in catchments / proportion cattle / type of vegetation / fencing, E.coli / band approach, 80 years

C Dada

C Thomsen document reference

12.41pm
T Robinson PP diagram, run off after rainfall

C Dada

12.43pm
S Tepania faith in their integrity / agree, period of time

C Dada

12.45pm
T Robinson E.coli, cautionary approach / appropriate standard, swimming
C Dada

12.51pm
S Tepania 95 percentile, human safety, consumption of food

C Dada

12.52pm

LUNCH BREAK

1.45pm

RESUMED

1.47pm

Andrew Burt

PowerPoint

1.58pm

QUESTIONS

T Robinson

large peak in nitrogen 2003-2008 / NRP down years, fertilizer, support

A Burt

2.02pm

G Ryder

fertilizer, standard / lower than Waikato catchment

A Burt

2.03pm

B Morrison

dairy grazing, figures on support dairy industry / transfer of nitrogen, off property to farm

A Burt

2.06pm

G Hill

stocking rates per hectare, market response, premium product

A Burt

2.07pm

Dr Jane Chrystal

PowerPoint

2.15pm

QUESTIONS

G Ryder

overseer, how quickly evolving as useful tool / how fast / some systems faster than others / tables, targets nutrient loads / farm boundary / scale up, ramifications

J Chrystal

2.20pm

T Robinson

permeable soils / poorly draining soils / where / volcanic pumice / calibration, real measured / predict well / clarification - urine patch, one sheep / high risk paddock / dairy numbers low

J Chrystal

2.29pm

G Ryder

advantages of tools / tailored farm management plans / Mr Williamson, old, new groundwater

J Chrystal

2.32pm

Dr Timothy Cox

2.40pm

PowerPoint

2.41pm

G Ryder

N - Nitrogen

T Cox

2.45pm
C Thomsen

PP filed

QUESTIONS

G Ryder

NIWA model / spreadsheet, number crunching / baseline model, reference / allocation simulation / ignoring land use, 11.5

T Cox

S Tepania

current land use

G Ryder

work backwards / legend / concentration Waipapa attenuation / apparent, alternate

T Cox

3.02pm

T Robinson

proportion of load, ultimate attenuation best guess / scale up, balancing factor / why Waipapa reduces / clarification - para 50, .05-.5 realistic range / para 71, point sources / LUC 1-3 well drained, stony soils / point sources areas / land use data in figure / land use comparisons chart

T Cox

3.16pm

G Hill

NIWA model, scenario 1, expert conferencing, advantage / where fitting

T Cox

3.23pm

C Thomsen

Richard Parkes

3.33pm

QUESTIONS

G Hill

sub catchment tool, implemented, farm environment plan, regulatory, non regulatory / FMUs fit well

R Parkes

3.38pm

S Tepania

beef and lamb one community / watershed, dairy farmers affecting group

R Parkes

3.40pm

B Morrison

beef and sheep relationship, farmers are us

R Parkes

3.41pm

T Robinson

flexibility, how much / nitrogen, down from 30, leave room for dairy / losses of nitrogen / mixed

R Parkes

3.49pm

G Ryder

sub catchment, community groups, paper / actual data, real numbers

R Parkes

3.51pm

AFTERNOON TEA BREAK

4.10pm

RESUMED

Gerry Kesels

4.18pm

QUESTIONS

G Ryder

outcomes

G Kesels

4.23pm

T Robinson

input, output control / non regulatory methods / what level / site specific management / consent process / link, relative steepness, slope / fencing, more nitrogen

G Kesels

4.39pm

S Tepania

Marae

G Kesels

4.42pm

B Morrison

virtual fencing, collars for cattle

G Kesels

4.43pm

G Hill

water management group, non regulatory, regulatory, combination

G Kesels

4.45pm

C Thomsen

Corina Jordan

4.55pm

QUESTIONS

T Robinson

role of vision, healthy river, prosperous communities / objective D, restoration to what / imbalanced

C Jordan

5.01pm

G Hill

objective J, how read, from restoration

5.04pm

S Tepania

not deconstructing, balance

5.06pm

T Robinson

wellbeing of the river / MPSFM maintaining water quality / reference values, cope with internal tension / no separate values, incorporated

C Jordan

5.14pm

G Hill

commercial, industrial use / Puke Coal, how plan change cope / overall / key, time

C Jordan

5.19pm

T Robinson

sub catchment management, upstream contributing degrading downstream / fair share / water bottling companies, magnesium / transfer regimes, spacial differences

C Jordan

5.35pm

G Ryder

C Jordan

river health, wellbeing / freshwater ecology, difference / contaminants, endorsing attributes / temperature

5.44pm

T Robinson

C Jordan

G Hill

localized management, hard flexible standards, consent process

5.45pm

S Tepania

C Jordan

PC required to give effect to vision and strategy / Puke Coal decision / primary production, iwi

5.53pm

G Hill

C Jordan

while, by / limits and targets

5.57pm

C Thomsen

5.59pm

ADJOURNED