

Land & Water Submission 4th September 2017 Rule 13

Our 260ha property is located in Pourakino Valley with an annual rainfall in excess of 1700mm annually.

The soil of our property is classified as predominately oxidizing and contains approximately 70km of subsurface drainage pipes all at a depth of greater than 1m.

I am concerned that **Rule 13 (a) (i)** does not allow for the cleaning of subsurface drainage tiles as a permitted activity.

Land & Water 1 : Creek prior to water blasting drain.

Land & Water 2 : Creek while drain is being water blasted.

Land & Water 3 : Drain being water blasted.

Land & Water 4 : Creek 30min after drain being water blasted.

Land & water 5 : Creek 150m down stream, 30 min after being water blasted.

It has been worded as "activities such as installation, maintenance and cleaning may require additional on site mitigation to meet these standards".

Visual effects on water quality of maintaining and water blasting subsurface drainage systems are very temporary but necessary in order for drainage systems to work effectively and for the best interest in the long term.

The effects of an inadequate drainage system (or blocked drains as we refer to it) are far greater as there is an increase in overland flow leading to sediment runoff along, increased nutrient loss along with a large decrease in pasture production for that particular area.

What we are looking for :

Installation and general maintenance (water blasting) of subsurface drains needs to be a **PERMITTED ACTIVITY!**

Submitter No: 235

Submitter Name: Eade G + F

Date Received: 4 / 9 /17