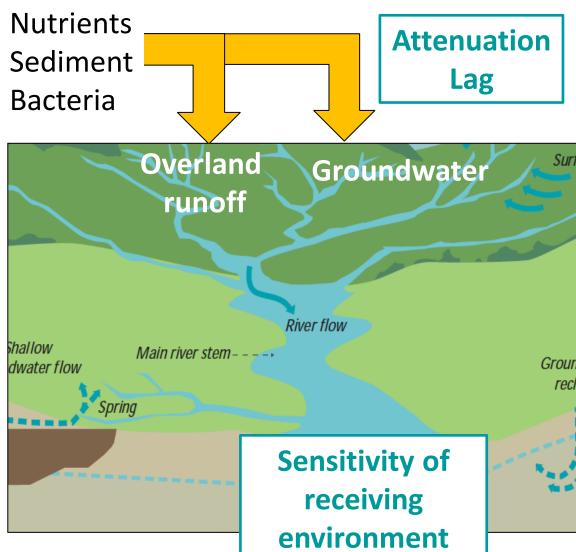
Cause & Effects – Farming practices & water quality in New Zealand



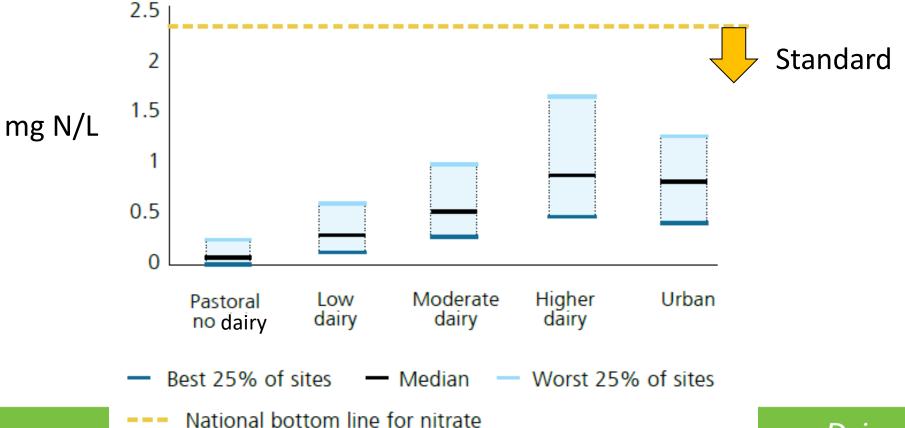






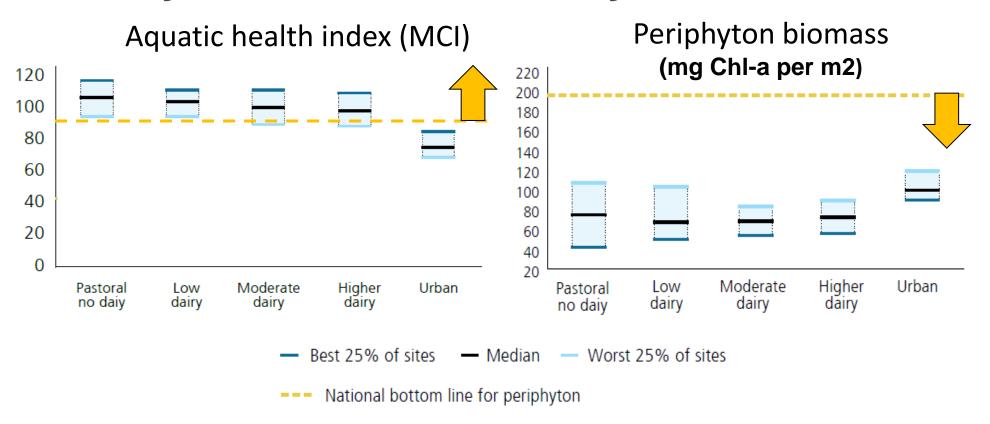


River nitrate state NZ dairy catchments



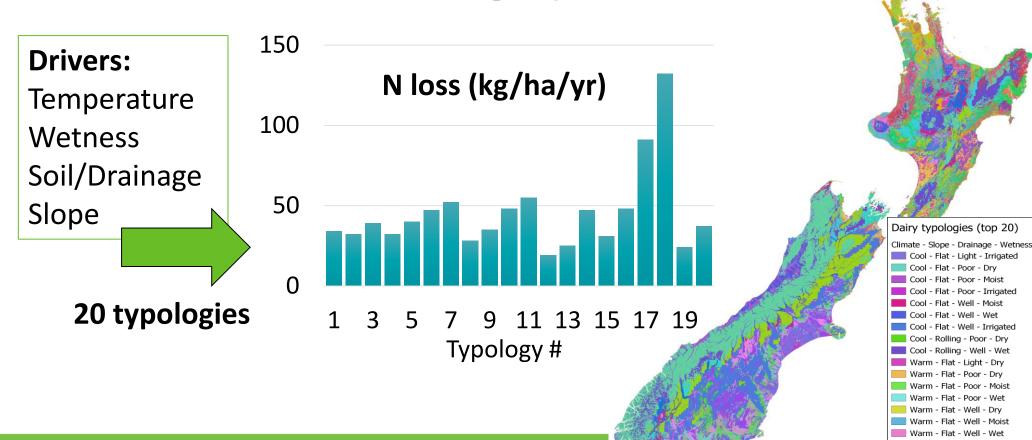
Dairynz 💆

Ecosystem health NZ dairy catchments



Contaminant loss highly variable

Monaghan et al. NZJAR, 2021



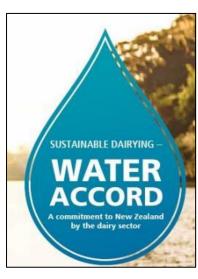
📕 Warm - Rolling - Light - Moist

Warm - Rolling - Poor - Moist Warm - Rolling - Poor - Moist Warm - Rolling - Poor - Wet

Significant action already undertaken



Effluent



Dairy Accord

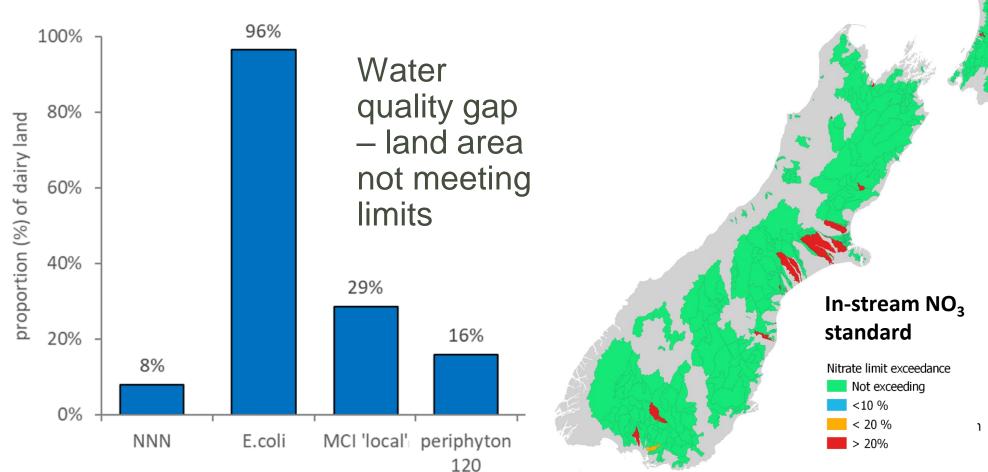


Farm plans

Good Farming
Practices



More required to meet new regulations



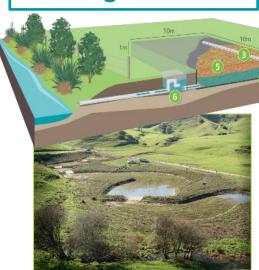
We continue to invest in solutions

1. Farm systems



- Plantain/forages
- Wintering
- Low N cows

2. Edge of Field



- Riparian buffers
- Wetlands
- Bioreactors
- Detainment bunds

3. Priority catchments

Tararua

- -Plantain
- -180 farms
- -436,000 ha

Aparima

- -Good Practices
- -680 farms
- -137,500 ha



__Selwyn-Hinds

- -Farm system 30% ↓N
- -430 farms
- -63,300 ha

4. Sector change

Farm plans

Good farming practice

Questions

