

We all live DOWNSTREAM



NZ has **500** trillion litres of water that flows through its lakes, rivers and aquifers each year.



FARMING IMPACT

Farmers use fertilisers made of nitrates and phosphates and cows wee and poo a lot. Too many nitrates is a big cause of water pollution.



100 mature trees intercept about 946,000 litres of water each year. Tree roots bind soil, this reduces erosion and prevents sediment from entering streams.

Riparian Planting traps nitrates, nitrites and ammonium like a sponge.



FORESTRY IMPACT

Less trees mean less roots to hold the soil. Soil washes into the waterway. If sediment levels get too high - fish and streamlife can die.



NZ uses 6 trillion litres of water for irrigation and livestock every year.

Temperature



HYDROELECTRIC DAMS

NZ uses hydro dams to produce electricity. The dams and their turbines block eels and native fish from migrating between fresh and saltwater to spawn.



CITY IMPACT

Cities have lots of hard surfaces. When it rains detergents (phosphates), insecticides and chemicals are washed off the hard surface of the city and into waterways.



Bacteria

The Resource Management Act (1991) makes sure that anyone impacting the environment make honest attempts to undo the negative impacts they have caused.

NZ uses 2 trillion litres of water for public and domestic supply every year.

Many cities want to improve their green infrastructure with urban wetlands, rainwater capture, green roofs, walls and corridors for wildlife.



INDUSTRY IMPACT

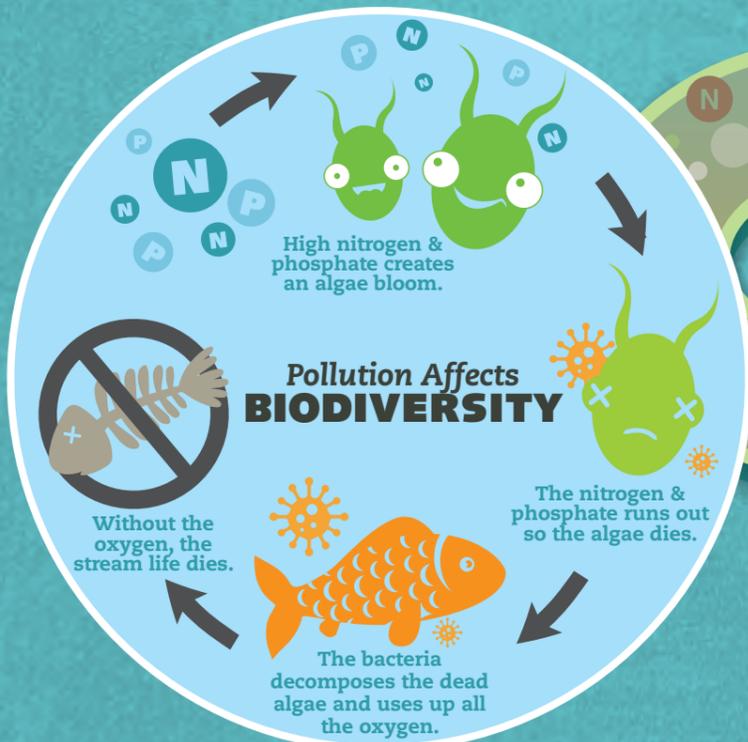
In NZ, industrial processing frequently means the discharge of water from the manufacturing process containing heavy metals and organic pollutants into a nearby waterways.



NZ uses 2 trillion litres of water for industry every year.

Phosphates

Water can't be created. The water that existed on earth billions of years ago is the water we have today.



Everyone that uses water must work together to improve the health of our ecosystem not just in rivers but also at the coast or in lakes - wherever our pollution is carried.