

An underwater photograph showing a crayfish resting on a dark, textured rock. The water is clear with some light filtering through, and there are some greenish-brown algae or plants visible in the background.

Maru Wai Matara: Kaitiaki Taiao

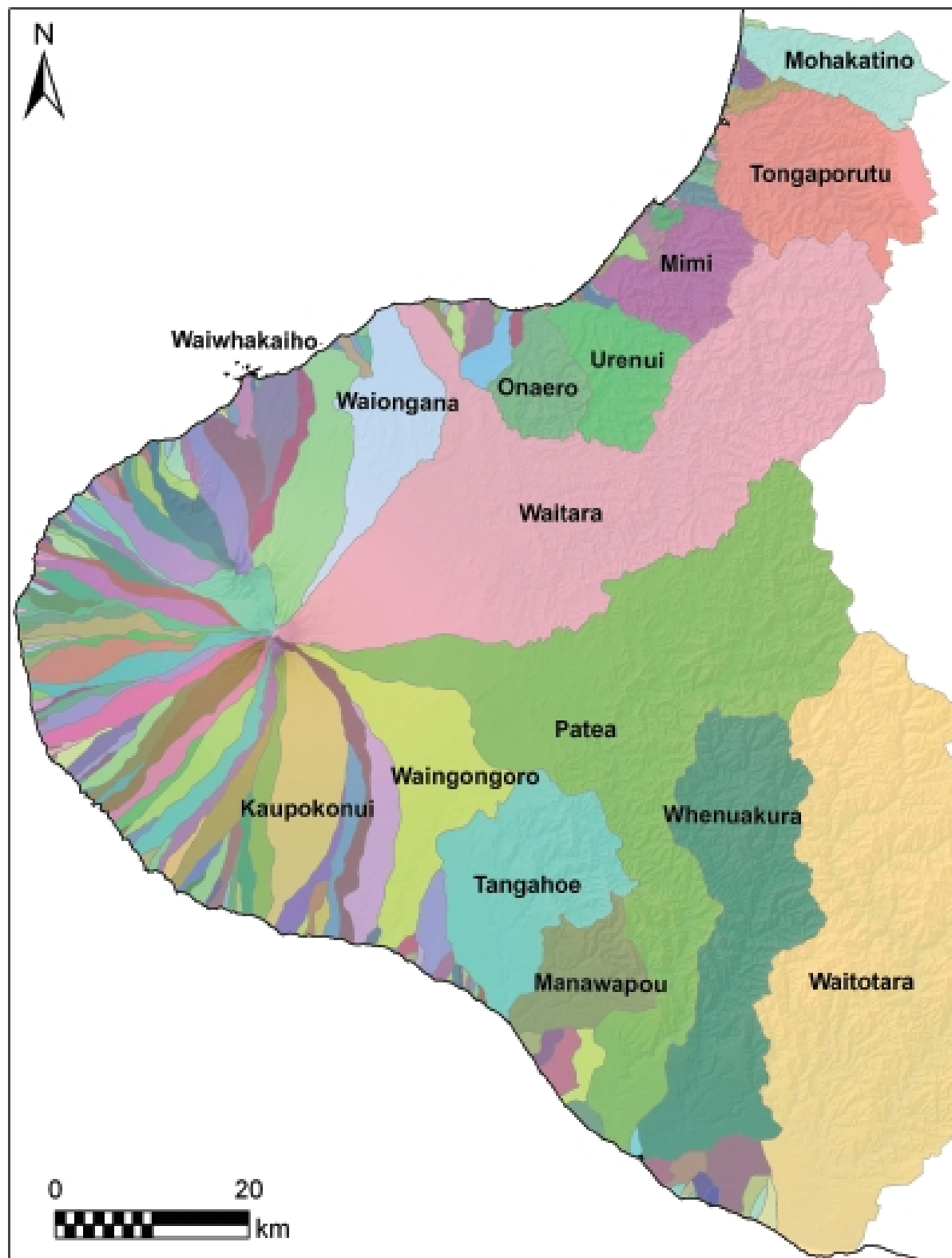
Te Whenua Tōmuri Trust





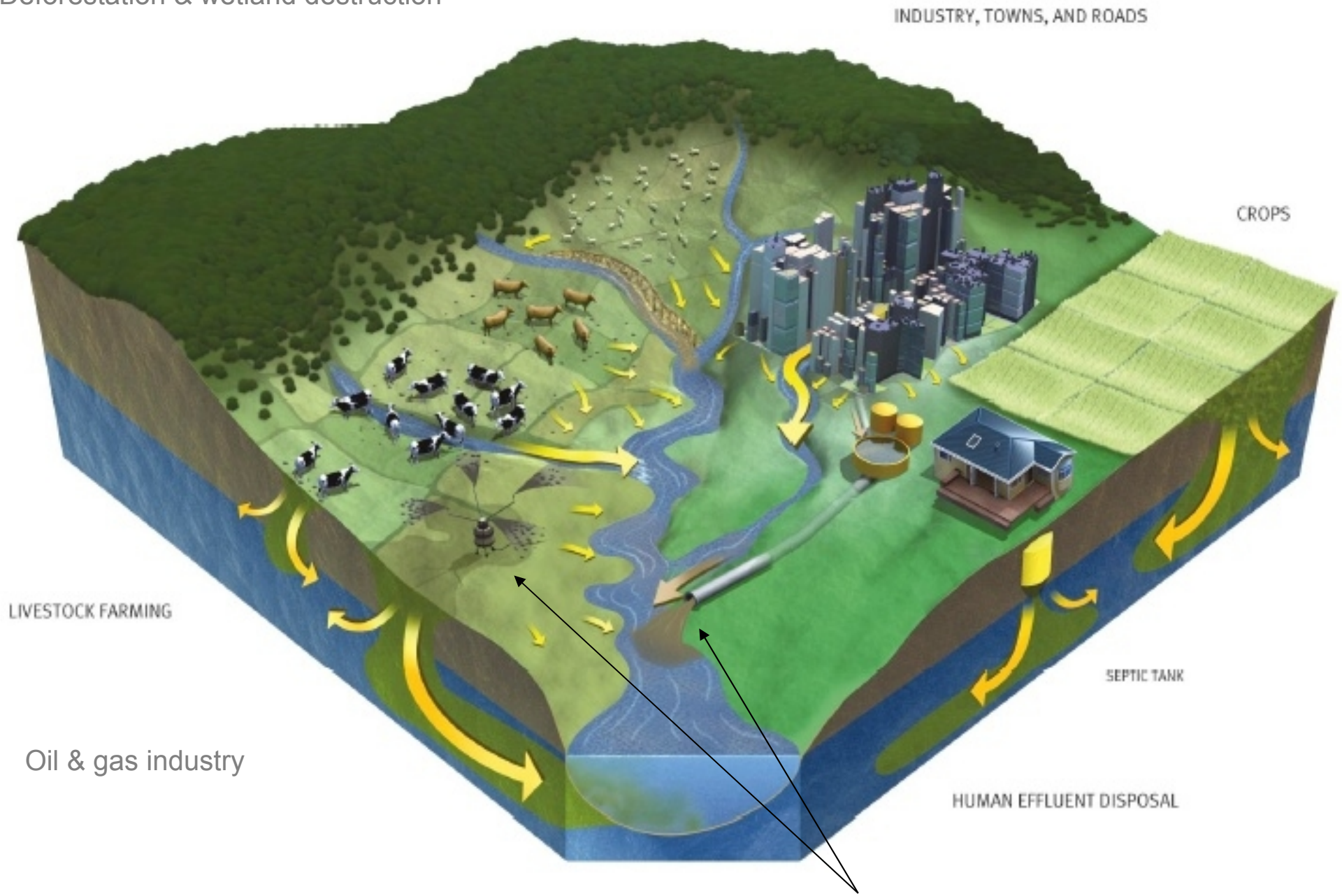
[illegible]

286+ awaawanui





Deforestation & wetland destruction



The only controlled impacts

(Ministry for the Environment, 2007)

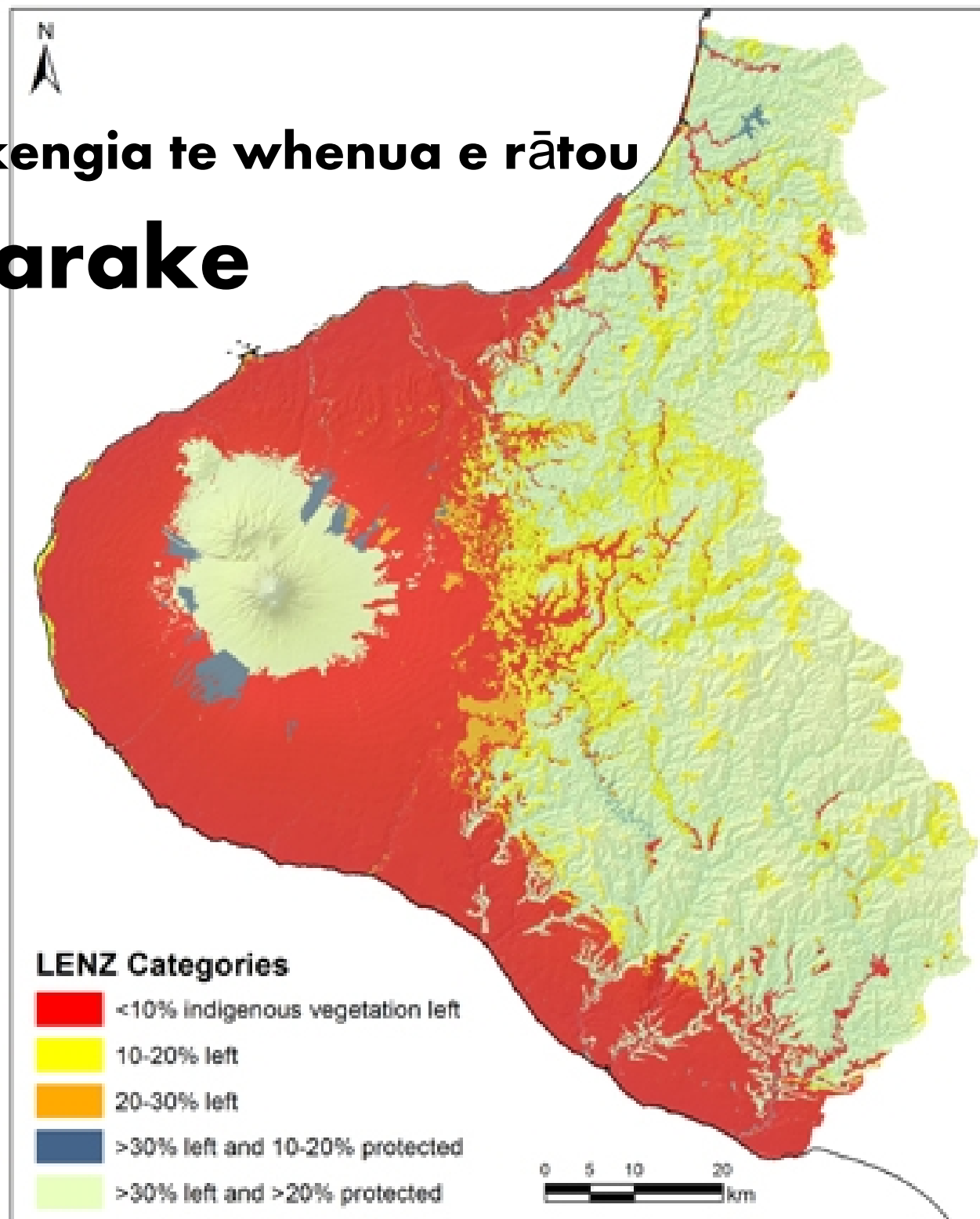
Horo whenua

Ka ngāhorohoro te whenua.



I whakarakengia te whenua e rātou

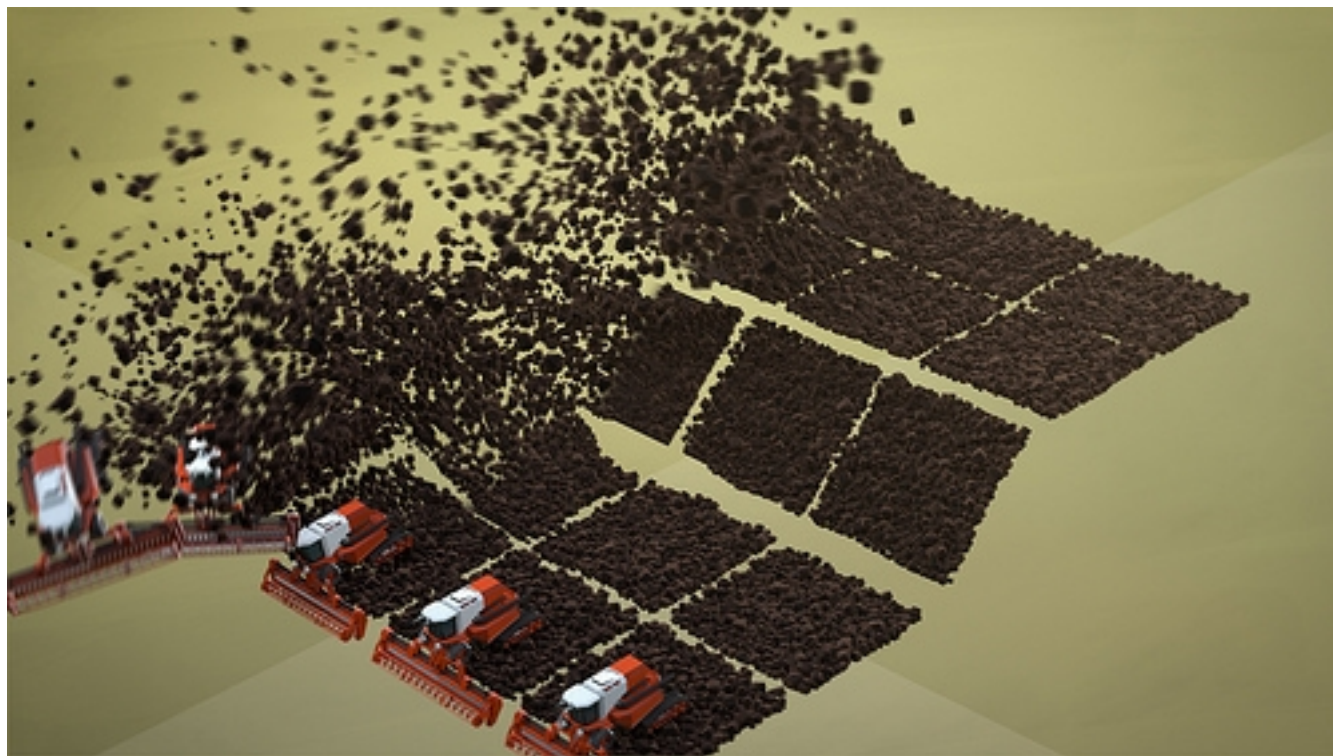
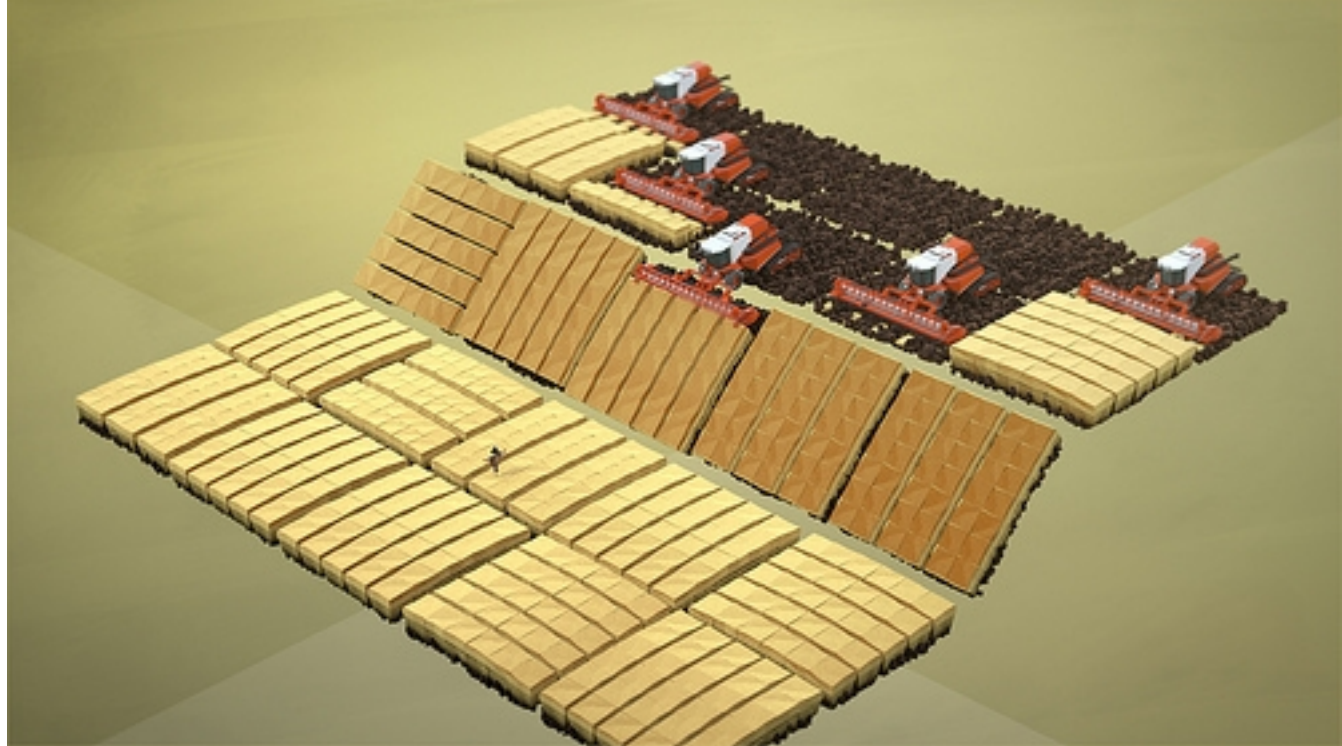
Whakarake



He taonga te
paruparu! E 2000 tau
te roa hei whakarite
ana i 10 mitarau o te
oneone

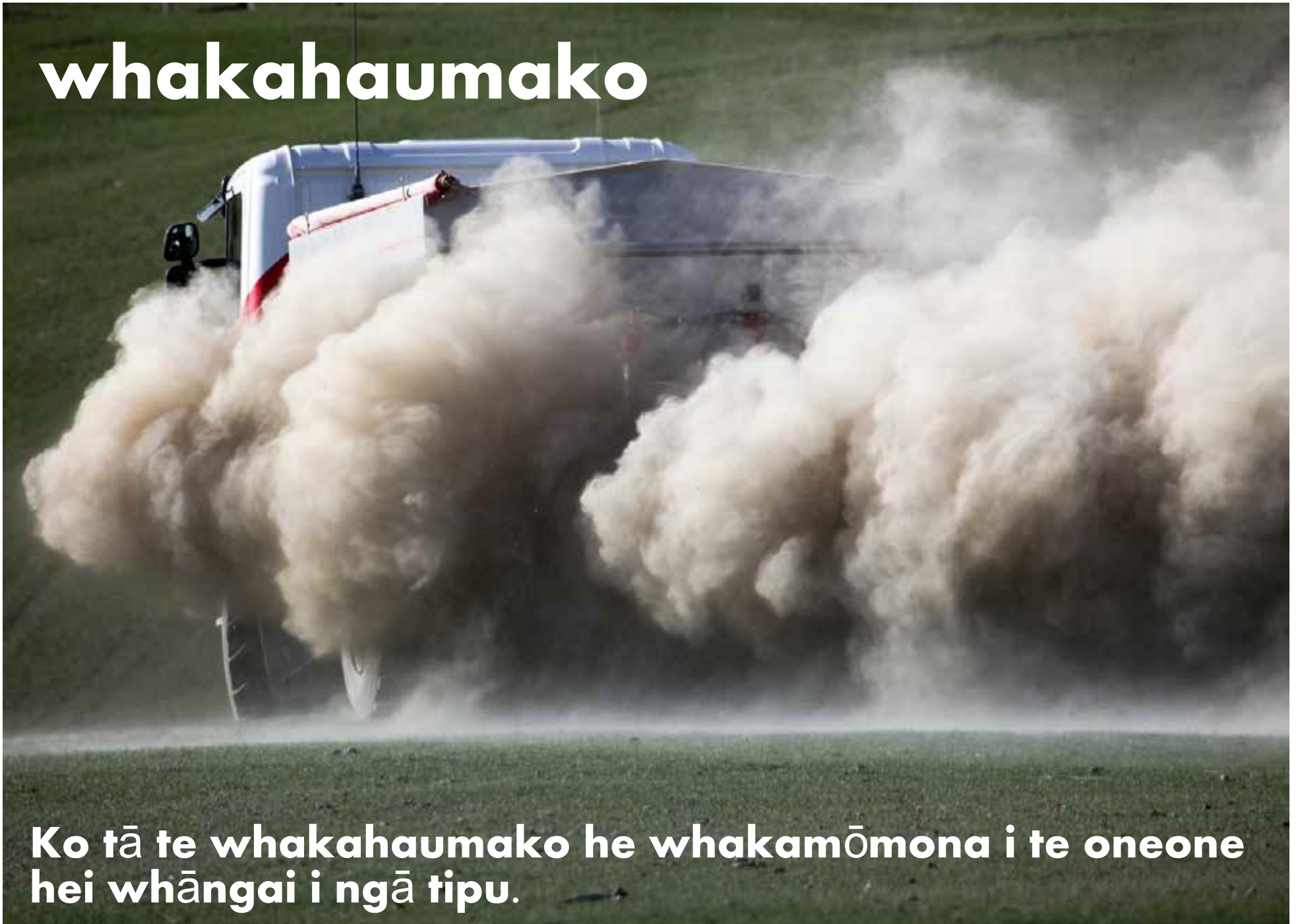
Ia tau, ia tau, ka ngaro 13
miriona heketea nā te
whakarake ngāhere.

I te tau 2011 i ngaro 24
piriona tonnes
= US\$490 piriona / he tau





whakahaumako



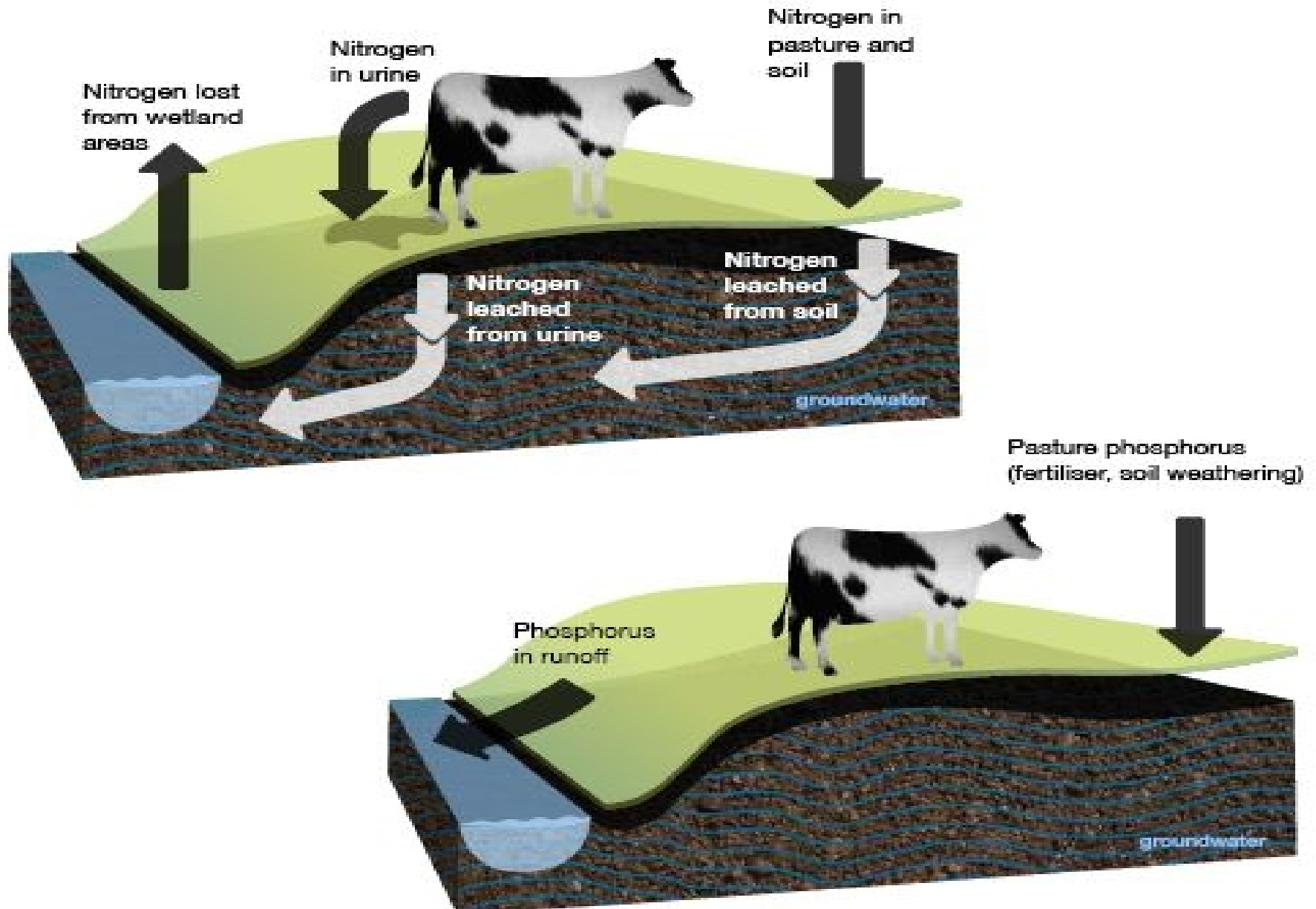
**Ko tā te whakahaumako he whakamōmona i te oneone
hei whāngai i ngā tipu.**



Taranaki Regional Council database to 2008

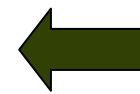
	Discharges to surface water
Agricultural - miraka kau	969
Agricultural - poaka	5
Agricultural - heihei	3
Agricultural - kōti	2
Kimi hinu me te kapuni	140
Petrochemical processing	43
Quarries	32
Landfill	20
Cleanfill	2
Sewage treatment	18
Wai supply or treatment	19
Miraka processing / manufacturing	13
Hiko generation	18
Ērā atu	109
Te katoa	1413

Hauota / Pākawa Tūtaewhetū kei roto i ngā awa



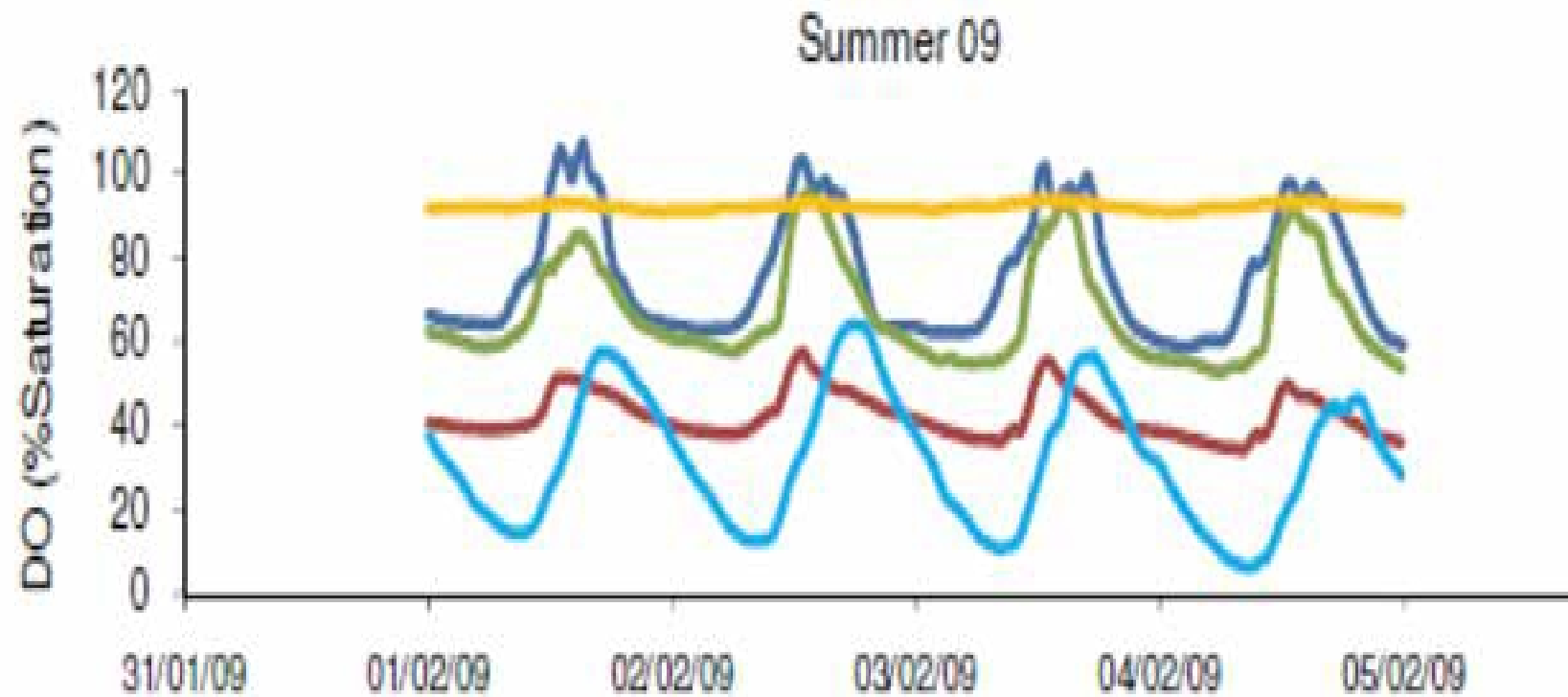


Cyano-bacteria



Pūkohu wai

Hāora kei roto i ngā awa





Ki Taranaki:

Piharau &
short-jaw kokopu

'Threatened nationally
vulnerable'

Giant kokopu, long-fin
tuna, koaro, torrent fish,
redfin bully, bluegill bully
& īnanga

'At risk declining'

Repo - Wairepo

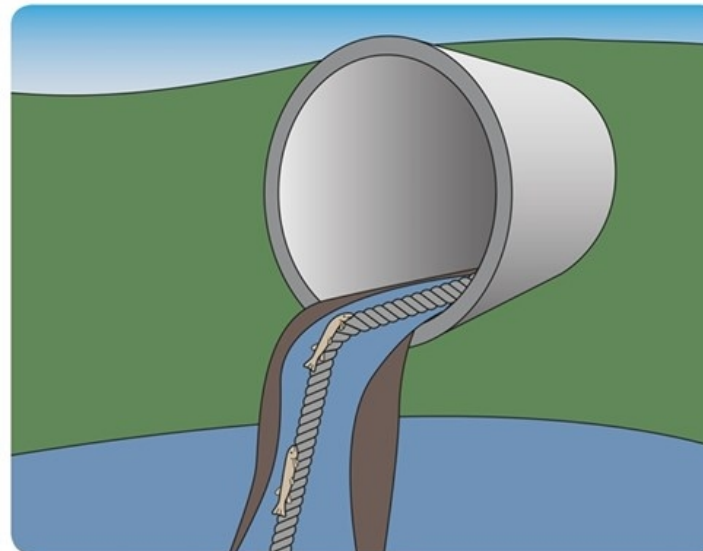
**Te kōpu o ētehi ngāngara, ika, manu,
me ētehi rākau erangi...**

~8% e tū tonu ana



Kaitiakitanga

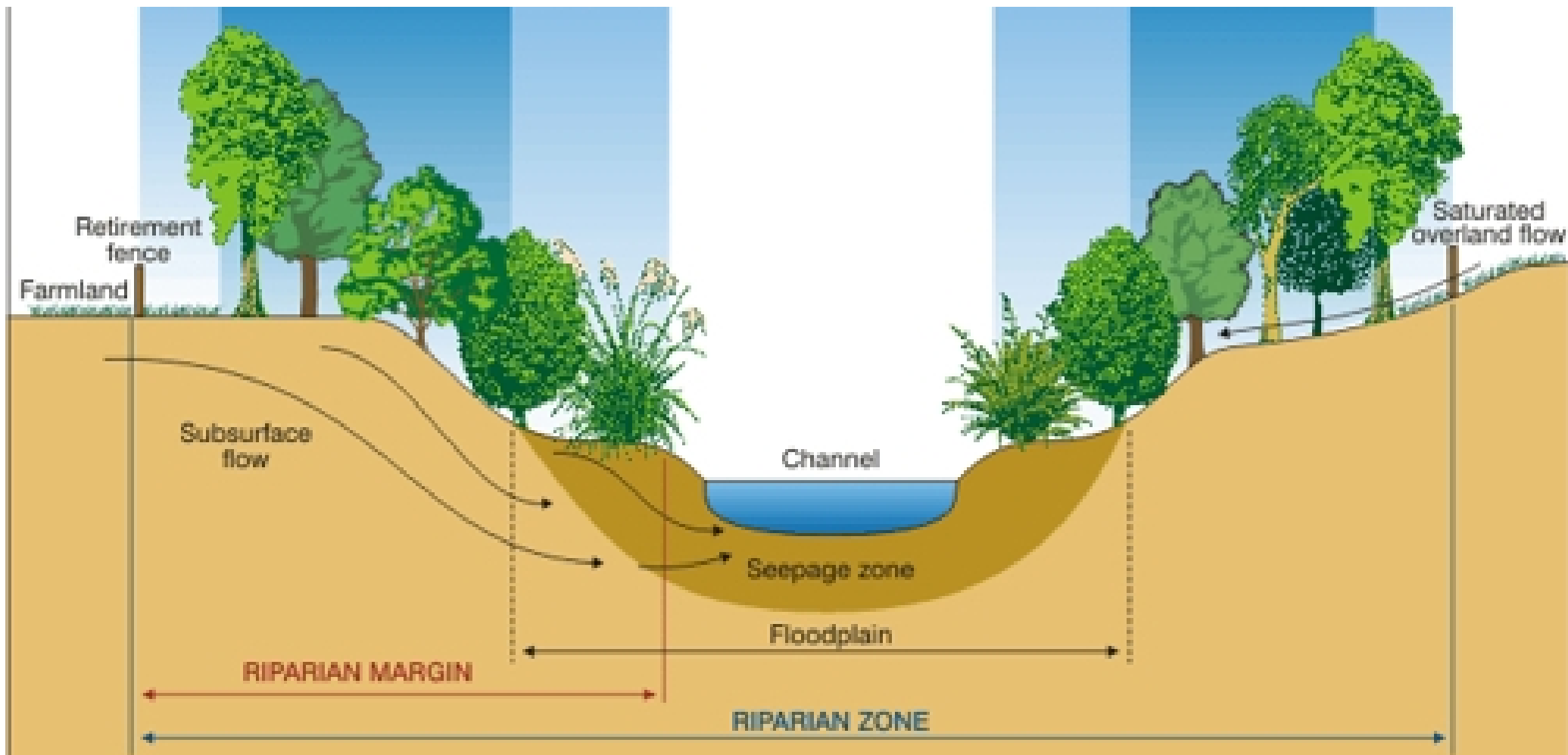
- Whakatū taiepa
- Whakatō rākau
- Tangohia rāpihi
- Tūhonoa wai
- Aroturuki



SHMAK

**Stream
Health
Monitoring
Assessment
Kit**

Ngā mea ōkiko



Mātauranga koiora



tuaiwi-kore & pūkohuwai

<http://shmak-invert-id.niwa.co.nz>

Crustacea
(Amphipod)

Free Living Woolly

Free Living Caddis

Beetle
Larvae

NIWA
Taihoro Nukurangi

ID: <http://shmak-invert-id.niwa.co.nz/#/start>

www.kahoot.it