

**Sent:** Thursday, December 28, 2023 2:44 PM

**Subject:** Maketu Estuary Fisheries Production Potential

Hi Pim de Monchy and Bay of Plenty Regional Councillors

The photo attached show evidence of current potential Maketu Estuary spit breach caused by sea level rise eroding the front of the dune, the peak height of which had used to be in line with the Surf Club roof from the same vantage point as witnessed over 40 years. Maketu Estuary spit erosion from behind and so narrowing of the spit, has been caused by Fords Twin Cuts flow promoted by Murray, Richmond, and Everitt, as proposed by Ford to Murray to infill Maketu estuary with sand for pasture farming it seems.

A best possible solution could now I believe be to raise Maketu Road to stop-bank Maketu Village and adjacent farmland from potential sea level rise and flooding, and to allow the top freshwater portion of every Kaituna River high tide flow to enter the back of Maketu Estuary over an overtopping weir, or through multiple culverts to maintain vehicle access to the mole, for the length of Ford Road between the mole and Fords Twin Cuts. This could allow Kaituna River freshwater high tide flows to fill the back of Maketu Estuary on every incoming tide, as well as during Kaituna River floods, so stopping sand infilling the estuary from the sea at Maketu, and so also flushing sand from the estuary back out to sea as a natural estuary ecosystem does during floods without engineering interference.

This could also allow the reestablishment of marsh that had used to exist in the upper Maketu Estuary, as pictured in 1955 on my website <https://wetlandsnz.com/> and that had provided ideal spawning habitat for Kaituna River catchment galaxius (whitebait). That had promoted food chains that had supported a very productive fresh and saltwater fishery, which could now be worth a significant fortune to this country if it were reestablished to what it had been, with freshwater wetland habitat created upstream. The Kaituna River catchment has a potential advantage over other catchments for fisheries production increase, because of the extensive freshwater habitat that is provided by the Rotorua Lakes that has not been isolated by hydro dams.

A Maketu photo attached that I had recently taken shows that fresh and salt water do not readily mix, as does a Google search, and so mostly fresh water could infill the back of Maketu Estuary above salt water that would remain in the lower Kaituna River. My proposal could be done at far less cost than Council has spent on failed attempts by Murray, Richmond, and Everitt to return the Kaituna River to Maketu Estuary, as has been requested of Council for many decades by the rate-paying public that Council serves. Council has not met that public expectation and has failed to deliver despite huge capital outlay of public funds by Council that includes salaries, legal expenses, contractors, and capital works.

A very early photo of a previous Maketu Estuary spit shows how stable the spit had been for many years so gaining great height before the Kaituna River had broken out to sea at Te Tumu, because of land clearance and drainage increasing flood flow volumes over shorter periods of time, it seems obvious to me. The Kaituna River entrance had then migrated back to Maketu eroding the spit from behind as Council

is currently doing with Ford's Twin Cuts flow. The toe of the spit is now growing bigger and is infilling more of the estuary towards the boat ramp every day. That sand could be effortlessly flushed back out to sea with Kaituna River floods, as I had described to an Appeal Court judge while trying to stop Council from wasting any more public money on any more failed attempts to reintroduce Kaituna River flow from the unnatural position and so wrong place that is Ford's Twin Cuts. That could not work well because of its position directing river flow at the back of a sand spit. The Appeal Court judge had at that time found in favour of Council trying to get it right with heavily biased public funding and so "expert" professional advice, which can now be seen by all to have been wrong.

Where is the justice in society if an Appeal Court judge can be allowed to get it wrong and get away with it? The judges' decision that was unflatteringly reported against me in Te Puke Times and BOP Times could now in fairness be reversed and I could be compensated by Council for failure by Council to achieve as was described by Council to the judge, at considerable embarrassment to myself and to my family members, one of whom has not spoken cordially to me since and has told me that I let the whole family down. My parents have taken the public embarrassment caused by Council's mistake and the judge's decision to their graves.

In summary Council got it wrong three times professionally led by Murray, Richmond, and Everitt. Council has wasted enormous amounts of time, human resources, and money to achieve little. The Kaituna River has not been returned to Maketu Estuary as was requested by Maori treaty partners with a petition to Parliament. Kaituna River and Maketu Estuary ecosystem food chains remain disrupted, and the fishery remains undermined and so unproductive under Council's professional mismanagement. Council operates without consequence to Council because of enforced public funding of Council by Council and by the Government.

This undermining of coastal fisheries production is mirrored in all regions nationwide. New Zealand coastal fisheries production is now a small fraction of what it potentially could be. The Kaituna River and Maketu Estuary ecosystem fisheries production potential is, I believe, too great to ignore.

All New Zealand's former coastal wetlands had once provided enormous fisheries production food chains annually, with tuna (eel) juveniles (glass eels), and galaxius juveniles (whitebait), 80% of which were from inanga living within a few miles of the coast. That fisheries production is now potentially worth enormous wealth to this country.

A Kaituna River overtopping weir into Maketu Estuary that I have described to Council repeatedly for years and years, could allow Kaituna River catchment galaxius to spawn in Maketu Estuary marsh on spring tides so reproducing fisheries production food chains that had used to exist. This could lead to other catchments around the country also reestablishing fisheries production with kahikatea forested v-drain wetlands created which I as the designer of them could be building if I had the capital to do so, to recreate fisheries production food chains.

I wish you all the best that you can do for this region in the new year. Please spare a thought for Bay of Plenty fishes that are currently starving for food without the original God-given coastal wetland ecosystem food chains that had used to exist, so that they could gain weight, size on mass, and reproduce to expand their numbers as we humans do.

Glyphosate that Council is allowing to be used within this region under Government guidance is further undermining coastal fisheries production by undermining the whole ecosystem's ability to reproduce. Quote: Our Stolen Future Are we threatening our Fertility, Intelligence and Survival

A Scientific Discovery Story

Theo Colborn, Dianne Dumanoski & John Peterson Myers

Published 1996 ISBN 0 349 10878 1

## Glyphosate toxicity

Copy your information. I invite you to Google Don Huber, an award-winning, international scientist and professor emeritus of plant pathology at Purdue University. I quote from there:

“Worse than DDT: When You Eat This, it Ends Up Lingering in Your Gut

To quickly recap what we discussed [in part one of this interview](#), while glyphosate *promotes* the growth of more virulent pathogens, it also *kills off* beneficial bacteria that might keep such pathogens in check—in the soil, and in the gut of animals or humans that ingest the crop.

*“With glyphosate, we also see an **additional stimulation of virulence**, so we see **increased ability to cause disease**, as well as the loss of the natural biological controls,”* Dr. Huber says.

It's important to understand that the glyphosate actually becomes systemic throughout the plant, so it cannot be washed off. It's *inside* the plant. And once you eat it, it ends up in your gut where it can wreak total havoc with your health, considering the fact that 80 percent of your immune system resides there and is *dependent* on a healthy ratio of good and bad bacteria.

## Glyphosate—The Most Abused Chemical in the History of Man

Interestingly enough, when asked which toxin he would prefer to use if he had to make a choice between two evils, Dr. Huber says he'd take DDT over glyphosate any day.

*"A lot of these materials can have a very beneficial use. I'm certainly not anti-chemical. But we have to use some common sense. What we have with glyphosate is the most abused chemical we have ever had in the history of man," he says.*

*"... When future historians write about our time, they're not going to write about the tons of chemicals that we did or didn't apply. When it comes to glyphosate, they're going to write about our willingness to sacrifice our children and jeopardize our existence, while threatening and jeopardizing the very basis of our existence; the sustainability of our agriculture." ... It doesn't mean that it's not reversible... But it means that we need to recognize what the concerns are, what's happening, and then we need to change."*

According to Dr. Huber, we're now seeing the results of a massive experiment based on flawed science and failed promises. We jumped in without the basic understanding of what these products do, and this was done just to support the bottom line of a few large companies, such as Monsanto. That's madness!

*We're just starting to see the **impact on reproductive fertility**," he says. "Also the disease potential... You can hardly pick up the paper anymore without seeing that a human disease is involved.*

*"If we're eliminating that check, either through residues in our food or through direct impact in our environment, we're going to continue to see what we're seeing today. Look at Alzheimer's, thyroid problems, autism, Parkinson's – any of those diseases that have a tie with either the endocrine system or the nutrient availability—we're going to see those increase."*

Glyphosate has been classified as “probably carcinogenic” by the World Health Organisation. Don Huber a world authority on glyphosate has warned against using it and describes it as a serious chronic toxin. Google his name to learn more. A Massachusetts Institute of Technology study describes glyphosate as probably the most harmful chronic toxin we've ever encountered, both in our environment and on our dinner plates. Glyphosate has already been banned in some countries. I heard that the kiwifruit industry has now banned its use here, but I still see it being sprayed under kiwifruit vines.

When I had previously phoned WBOPDC re glyphosate toxicity I was told that it hadn't been banned in New Zealand. The justification given for using it was that the man sprayed it around his own avocados. How scientific is that in the public good? Remember ddt, 245t, agent orange, lives still being affected and already lost under this Government's regulation.

Why are we destroying the soil structure? Alternatives are available; for example, Wet & Forget's Hitman or one of the natural herbicides posted on Facebook. See also numerous Natural News Facebook Posts about what is wrong with glyphosate.

Don Huber links glyphosate to reduced nutrient availability in plants, increasing plant diseases, the emergence of a new pathogen, animal illness and possible effects on

human health. Glyphosate immobilizes nutrients required to maintain plant health and resistance to disease. Nutrients critical for plant defense system and other functions.

In addition to chelating nutrients in the plants, glyphosate can lower mineral content through damaging beneficial soil organisms, including microbes producing indole-acetic acid (a growth-promoting auxin), earthworms, mycorrhizae associations, phosphorus & zinc uptake, microbes such as *Pseudomonads*, *Bacillus* that convert insoluble soil oxides to plant-available forms of manganese and iron, nitrogen-fixing bacteria *Bradyrhizobium*, *Rhizobium*, and organisms involved in the biological control of soil-borne diseases that reduce root uptake of nutrients.

Glyphosate increases incidence and virulence of soil-borne pathogens. Thirty-four diseases have been reported in the scientific literature to increase in incidence as a result of glyphosate weed-eradication programs. Epidemics of Goss' wilt and sudden death syndrome and of *Fusarium* fungal colonisation resulting in root rot and *Fusarium* wilt. Not only does glyphosate affect disease susceptibility, there is also evidence of increased disease severity.

According to Huber, possible harm include direct toxicity of glyphosate itself, which has been shown to cause endocrine disruption, DNA damage, **reproductive and developmental toxicities**, neurotoxicity, cancer, and **birth defects** (see [10]Glyphosate Toxic and Roundup Worse,SiS26; [11]Death by Multiple Poisoning, Glyphosate and Roundup,SiS42; [12]Ban Glyphosate HerbicideNow.SiS43; [13]Lab Study Establishes **Glyphosate Link to Birth Defects**,SiS48).

Over 100 peer reviewed papers have been published by Huber and other scientists on the detrimental effects of glyphosate. **Glyphosate increases disease** in plants (as well as animals). [http://www.i-sis.org.uk/USDA\\_scientist\\_reveals\\_all.php](http://www.i-sis.org.uk/USDA_scientist_reveals_all.php)

Glyphosate is an oestrogen mimicking chemical that has been banned in over 30 countries so far because of its toxicity. It is inevitably going to end up in food chains lowering intelligence and creating deformities and deaths: Quote the scientific research in: Our Stolen Future, Are we threatening our Fertility, Intelligence and Survival, A Scientific Discovery Story Theo Colborn, Dianne Dumanoski & John Peterson Myers ISBN 0 349 10878 1

University of British Columbia Emeritus Professor Phil Gregory describes glyphosate as the biggest threat to mankind's future because it destroys the soil food web and stops plants from sequestering carbon from the atmosphere.

**Fisheries production will be further undermined by glyphosate lowering the reproductive potential of fish stocks.**

ERMA in New Zealand have chosen not to accept scientific evidence from overseas about the toxicity of glyphosate to New Zealanders as they also had done with ddt, 24d, 245t and their combination agent orange, all of which have I believe destroyed many lives. I hope that you will now stand up for your people's health and safety.

Kindest Regards

Don Paterson

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