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Sent: Sunday, October 14, 2018 6:05 PM

To: 'Paul Baker' <paul.baker@jswap.co.nz>; 'david@jswap.co.nz' <david@jswap.co.nz>; 'Pim De Monchy' <Pim.deMonchy@boprc.govt.nz>

Subject: RE: Kaituna River Diversion Wasted Opportunity

Hi Paul, David and Pim

I had hoped that J Swap Contractors Ltd Engineers could see the logic in my proposal and so help to convince BOPRC to increase production of the local fishery by reconnecting original ecosystem food chains by placing culverts under the entire length of the Ford Road stop bank and so to also improve boating access at Maketu with flood tides as I have documented in letters of recommendation over 30 years and recorded under the Background tab on www.wetlandsnz.com. I had hoped that J Swap Contractors Ltd Engineers could help me to convince BOPRC engineers that my proposal could work at less cost and without flooding Maketu.

Steve Everitt is the latest BOPRC employed engineer who has blocked my proposal from the outset in support of Jim Dahm's insistence on using Ford's Twin Cuts I believe in emotional support of Jim's too-close personal friendship with Ken Murray whose late father had constructed the original Fords Twin Cuts mistake before Jim and Ken had lived together. Ford's Twin Cuts has already been tried twice and has failed twice and has destroyed Maketu Estuary spit stability and has infilled Maketu Estuary with sand from the back of the spit as a result and so has been a complete waste of public funds to date.

After hours of my detailed explanation to Steve Everitt over a number of meetings he had then said that "I might be prepared to put the whole Kaituna River back through Maketu Estuary but he was not." But I had never ever proposed that to happen as Te Tumu Cut would remain open and able to accommodate floods once Maketu Estuary had filled with a mixture of fresh and salt water to sea level and so either Steve Everitt was blocking my proposal from being considered as directed by Jim Dahm planner or I believe that he does not deserve to hold the qualification that he is financially rewarded for by BOPRC. From our first meeting I knew that Steve had no intention of listening to anything that I had to say. If Te Tumu exit was widened a bar could form on every incoming tide and so could reduce salt water intrusion into the lower Kaituna River at high tide and I believe that the bar would be scoured on every outgoing tide as water would be running downward over sand and so maintaining that entrance.

Bill Bayfield as CEO BOPRC had cut through the disrespect in my home and had told a BOPRC engineer to be quiet and to listen to what I was saying. He had then proposed the Kaituna River and Maketu Estuary Management Strategy so that BOPRC could determine that there was a public opinion that the Kaituna River could best be returned to Maketu Estuary. BOPRC are currently not doing what they have been asked by the BOP public to do as I had witnessed while attending every focus group and every working party meeting. BOPRC are currently intending to spend \$20 million and to make very little difference to Maketu Estuary or to ecosystem production. I believe that

\$20 million dollars being spent on a project that will not create potential and significant improvement to the fishery by re-establishing original ecosystem food chains between the Kaituna River and Maketu Estuary, or to flushing sand out of the lower Maketu Estuary without cost, or to stabilising Maketu Estuary Spit without cost is a wasteful misappropriation of public funds.

I believe that J Swap Contracting Ltd could be better employed by BOPRC and make a much better job of restoring Maketu Estuary and local fisheries production naturally by using Kaituna River floods on every tide without comparative cost as I have described. I invite J Swap Contractors Ltd Engineers to consider my proposal to BOPRC of raising Maketu Road and placing culverts under the whole length of the Ford Road stop bank instead of carting sand for kilometres to build another stop-bank and river course that could achieve little more than inconveniencing boat ramp users, commercial fishermen and Maketu Coastguard with river current. Also infilling former Brain owned lowland that is already growing marsh and that would naturally again become ideal maritime marsh galaxius spawning habitat as soon as Kaituna River floods were allowed to re-enter the area on every tide is I believe a further waste of time and money that could be better spent.

I believe that the Kaituna River could restore Maketu Estuary without comparative cost and that \$20 million dollars could be better spent on J Swap Contractors Ltd raising Maketu Road, placing culverts under Ford Road and converting adjacent lowlands into north south running interconnected kahikatea, flax and raupo planted v-drain wetlands that were receiving Kaituna River floods from near to the highway overbridge and eventually emptying into lower Kaituna River and upper Maketu Estuary maritime marsh galaxius spawning habitat recreated, after having provided ideal adult habitat for galaxius (whitebait), bully and tuna (eel) that was settling and purifying Kaituna River pollution before it entered Maketu Estuary and the ocean at Te Tumu. I believe that v-drains could provide the most efficient usage of any area of land for producing ideal shaded wetland habitat and maximum utilisation of available space in the same way that straight parallel lines are drawn on a writing page for that reason.

V-drain wetlands could ideally I believe eventually reach all the way to AFFCO Rangiuru and to Te Puke Borough and they could lower nutrient loading while providing ideal shaded galaxius (whitebait) and tuna (eel) habitat. A subsequent and inevitable fisheries production increase witnessed at Maketu could eventually lead to all coastal lowlands within a several kilometres of the sea being converted into v-drain wetlands in support of increasing national fisheries production with its very exportable financial value to this country and so I believe that it is very important to get it right this time as I have described. The fact that the Rotorua lakes have not been isolated by hydro dams does mean that there is already enormous existing galaxius (whitebait) habitat available and that these fish do just need somewhere to spawn again and they need protection from whitebait nets to allow ecosystem food chains to regrow to their productive potential. Predatory tuna (eel) numbers would I believe follow galaxius (whitebait) rebuild and is why the river was named Kaituna.

Kindest regards

Don Paterson
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