



## Minutes: Hikurangi Flood Management Scheme Working Group Meeting held at the Jordan Valley Farm on Thursday 27<sup>th</sup> June 2019

Minutes of meeting held at the Jordan Valley Farm on Thursday 27<sup>th</sup> June 2019

<b>Facilitator</b>	Andrew Carvell
<b>Scribe</b>	Annick Le Lagadec
<b>Purpose</b>	Forum to discuss the Hikurangi Flood Management Scheme Issues
<b>Present</b>	Andrew Carvell, Simon Donelley, Stephen Brown, Geoff Crawford, Hai Nguyen, Annick Le Lagadec, Simon Charles, Andrew Kirk
<b>Apologies</b>	Cr Crichton Christie, Phil Bayley, Justine Rowe, Phillip Hindrup, Rosemary Lister, Evan Smeath, Greg Palmer, Chantez Conner, Ray Hindrup, Glen Martin, Robert Olsen, Luke Beehre, Alan Moscript, Hona Edwards, Joan Barendsen, Tess Dacre, Bruce Howse, Penny Johnston

Andrew Carvell addressed the floor, opened the meeting welcoming members and staff representatives from the Whangarei District Council.

Item	Description	Action
<b>Apologies</b>	As Above	
<b>Previous Minutes</b>	<ul style="list-style-type: none"> <li>- Changes to be made to Agenda               <ul style="list-style-type: none"> <li>o Rosemary Lister and Donald Gillett have sold the Mountain Pocket                   <ul style="list-style-type: none"> <li>▪ Needs to be called for nominations</li> </ul> </li> <li>o Joan Barendsen no longer works for Fonterra</li> </ul> </li> </ul>	<b>Annick</b>
<b>Grazing Licences and use of WDC land</b>	<ul style="list-style-type: none"> <li>- New licenses have been drafted               <ul style="list-style-type: none"> <li>o Commences 1<sup>st</sup> July</li> <li>o Duration of 5 years</li> <li>o Rates: Free of Charge</li> <li>o Council will be ensuring the land is properly maintained</li> <li>o Contact Hai for areas that are not being grazed that you may be interested in</li> </ul> </li> </ul>	
<b>Environmental Improvement Programme</b>	<ul style="list-style-type: none"> <li>- Proposal to get the kahikatea trees fenced off               <ul style="list-style-type: none"> <li>o Might be able to get free trees from the billion trees program</li> </ul> </li> <li>- WDC staff are taking members of Nga Kaitiaki O Wai Maori (Millan Ruka) to visit the pumps next week</li> </ul>	<b>WDC</b>

<p><b>Living Waters Update</b></p>	<p>Andrew Kirk</p> <p>Living Water is a partnership between DOC and Fonterra. With a current Focus on the Okarika Pocket</p> <p>Wairua River</p> <ul style="list-style-type: none"> <li>- Sediment and E. coli is a big focus for regional council</li> <li>- Hikurangi Flood Scheme water quality sampling was carried out in alignment with NRC monitoring program</li> <li>- 4 pump station sites were selected 1 stream and 1 drain site           <ul style="list-style-type: none"> <li>o Monitoring Te Mata, Otonga, Mountain Site, Maungahauru, Ngararatunua and Okarika</li> <li>o Te Mata: at risk of being heavily impacted by Dissolved Oxygen due to weeds</li> <li>o Otonga: High conductivity               <ul style="list-style-type: none"> <li>▪ May be caused by lime works at the head of the waterway</li> </ul> </li> <li>o Mountain: Often impacted by low water levels and low Dissolved Oxygen</li> <li>o Maungahauru: Best Clarity of all the sites</li> <li>o Ngararatunua: Pump station site is often turbid and muddy</li> <li>o Okarika: Very turbid high nutrient and Phosphate levels               <ul style="list-style-type: none"> <li>▪ Andrew K to catch up with Hai about the dead calves in stream</li> </ul> </li> </ul> </li> <li>- Faecal source tracking can be done by ESR if needed. But haven't had any tracking done yet</li> </ul> <p>What's next?</p> <ul style="list-style-type: none"> <li>- Reviewing the monitoring at current           <ul style="list-style-type: none"> <li>o Scientists are proposing that the downstream pump station sites should be stopped and move the monitoring resources into the Okarika pocket</li> <li>o Monitoring the higher levels up to see how it's affecting the Okarika pocket</li> <li>o Landowners have not been approached yet</li> </ul> </li> <li>- Looking at accessing some of the funding with Billion Trees, NRC and EFunds</li> </ul> <p>Are there any pre-set targets?</p> <ul style="list-style-type: none"> <li>- Reduce sediment by 50%           <ul style="list-style-type: none"> <li>o This is a very high goal</li> <li>o Looking at some of the mitigation options, tools and the space available</li> <li>o Mitigation work includes fencing off waterways and rains, riparian planting and sediment detention bunds</li> </ul> </li> <li>- Looking at using the LoWaRan systems to transfer some data over</li> <li>- Pigs being let loose in Otakarangi is being addressed           <ul style="list-style-type: none"> <li>o Pest control has been funded and is being organised</li> </ul> </li> <li>- Focusing On farm and supporting local dairy farm advisors           <ul style="list-style-type: none"> <li>o Looking at actions and farm environment plans</li> </ul> </li> <li>- If Living Waters can't help they aim to find you the right people</li> <li>- Looking at getting a one stop application forms           <ul style="list-style-type: none"> <li>o Trees programme are requiring extensive maps and plans before planting               <ul style="list-style-type: none"> <li>▪ Andrew is willing to help those who would like Trees with the application process</li> </ul> </li> </ul> </li> </ul> <p>Will the maintenance affect the swamplands?</p> <ul style="list-style-type: none"> <li>- Have funding planned and is part of the case study for the crown drain site</li> </ul>	<p><b>Andrew K/Hai</b></p>
------------------------------------	---	----------------------------

	<ul style="list-style-type: none"> <li>○ Are 6 months behind in the monitoring due to dry season</li> </ul> <p>Will the Kikuyu be monitored and maintained that might impact the stations?</p> <ul style="list-style-type: none"> <li>- Measuring how much sediment accumulates- currently don't have the information to provide. But will be monitoring this</li> </ul> <p>What are you trying to achieve further up?</p> <ul style="list-style-type: none"> <li>- When the pumps are opened, and released a sediment plug in the Wairua river. Goal is to hold the sediment back and stop it from coming off the hills and affect the downstream</li> </ul> <p>Have the ongoing costs been considered?</p> <ul style="list-style-type: none"> <li>- They are aware and have been planning</li> <li>- Project is still in its early days</li> <li>- Haven't had the annual plan approved yet. But once he has he will look at getting on farm projects going and approach the landowners</li> <li>- IKHMG native plants from the Nga Uri o Hau Native Nursery are available for farmers to order now             <ul style="list-style-type: none"> <li>○ 60c a plant</li> <li>○ Riparian plants and conservation plants</li> <li>○ Andrew K has forms available if you need plants or have planting projects</li> </ul> </li> <li>- Subsidies for fencing is available. Fencing materials will be delivered and spread among the Okarika pocket for fencing projects</li> <li>- Trying to bring together the E-fund things together and try to target the priority areas to reduce sediment</li> <li>- A master's thesis has been done on the Otakarangi wetland             <ul style="list-style-type: none"> <li>○ Andrew K has digital copies if you would like one</li> </ul> </li> <li>- Planting 20,000 plants in the Okarika pocket, going well</li> <li>- This weekend has the pest control workshop at the Akuranga marae</li> <li>- Region council will be present on the predator free programme</li> <li>- NRC has been chasing up EFunds application- if anyone needs help let Andrew K know</li> </ul>	
<p><b>Operations Update</b></p>	<ul style="list-style-type: none"> <li>- Te Mata Flood Gate and frame replacement is competed</li> <li>- Tanekaha McEwan pump motor is back in following re-varnish and bearing replacement</li> <li>- North End Contractors rang Geoff but no actions have happened since             <ul style="list-style-type: none"> <li>○ Greg was on site at Junction this morning with North End and the pricing for access way/spill repairs came out less than expected</li> <li>○ Approval has been given and this will commence at the end of the month</li> </ul> </li> <li>- Hai to look into Platform to pump station of Mountain walkway and if it is safe to access</li> </ul>	<p><b>Hai</b></p>
<p><b>Budgets</b></p>	<ul style="list-style-type: none"> <li>- As mentioned in slide</li> </ul>	
<p><b>Long Term Strategy</b></p>	<ul style="list-style-type: none"> <li>- NRC have undertaken flights for LIDAR. Awaiting processed data</li> <li>- Will take a couple of months</li> <li>- What are the costs?             <ul style="list-style-type: none"> <li>○ Rough estimate of \$150,000</li> <li>○ Government has been putting money into the LIDAR system</li> </ul> </li> </ul>	

	<ul style="list-style-type: none"> <li>○ Geoff requests to book a meeting to discuss the full costs</li> <li>○ Living Water is looking at funding to help with the leveraging</li> <li>○ Biggest risk may cause flooding downstream therefore Data is required to prove against or mitigate the risk</li> <li>- Review Performance of existing spillways against consent           <ul style="list-style-type: none"> <li>○ Junction was out by roughly 80%</li> </ul> </li> </ul> <p>District Plan Zoning to Change</p> <ul style="list-style-type: none"> <li>- Plan to change to conservation area           <ul style="list-style-type: none"> <li>○ Aiming to have it done in 1 year</li> <li>○ Waste and Drainage are going to have a discussion with Parks and District Planning</li> <li>○ Aiming to keep it as green space areas and avoid building on it</li> </ul> </li> </ul> <p>Rating review letters have already been issued to those who are affected</p> <ul style="list-style-type: none"> <li>- Hai has not had much feedback on this</li> </ul>	
<b><i>Kiapara Harbour Catchment Treat Settlement</i></b>	<ul style="list-style-type: none"> <li>- Discussion between the crown and Ngatihanga           <ul style="list-style-type: none"> <li>○ Has made some progress</li> <li>○ The ministers were in the Kiapara harbour a month ago, discussing increasing resources.</li> <li>○ A billion trees may get additional funding</li> <li>○ Kaipara harbour is having difficulty with shellfish beds</li> </ul> </li> </ul>	
<b><i>Personnel update</i></b>	<ul style="list-style-type: none"> <li>- Simon Charles will become the Waste and Drainage manager on 8<sup>th</sup> July</li> <li>- Meetings are every two months unless there is something critical</li> </ul>	

Meeting closed at 10.24