If you hear the fire alarm...

Please evacuate by the stairs and front door to Grey Street and assemble at the East Side Tavern Carpark on Cook Street.

Do not return to the building until instructed by Emergency Wardens.

In case of Earthquake, drop, cover and hold.
Agenda

Welcome

• **Items 1-3**: Apologies, Confirmation of Agenda, Disclosures of Interest

• **Item 4**: Minutes of previous meeting (pages 5-13)

• **Item 5**: Issues/Actions from previous meeting (pages 14-19)

• **Item 6**: Chairman’s Report (page 20)

• **Item 7**: West Coast Zone Update (pages 21-31)

• **Item 8**: Waikato Regional Council LTP update (pages 21-31)

• **Item 9**: Catchment committee effectiveness review (pages 36-61)

• **Item 10**: Whareorino Aerial Operation update (page 62)

• **Item 11**: Biosecurity Plant Pest update (page 63)

• **Item 12**: Healthy Rivers Plan Change 1 (page 64)

• **Item 13**: Biodiversity and the role of Regional Councils (pages 65-80)
1. Apologies
2. Confirmation of Agenda

• THAT the agenda for the meeting of the West Coast Catchment Committee of 22 August 2017, as circulated, be confirmed as the business for the meeting.
3. Disclosures of Interest
4. Confirmation of Minutes

• THAT the Minutes of the West Coast Catchment Committee meeting of 6 June 2017 be received and approved as a true and correct record.

• THAT the extract from the Minutes of the Council Meeting of 22 June 2017 be received.
5. Issues/Actions from West Coast Catchments Committee Meeting 6 June 2017

• THAT the report “Issues/Actions from West Coast Catchments Committee Meeting 6 June 2017” (Doc # 10910621, dated 10 August 2017) be received for information.
6. West Coast Committee Chair Report – Verbal Update

• THAT the report “West Coast Committee Chairman’s report” (Doc #10902797, dated 9 August 2017), and the Chair’s verbal update be received for information.
7. West Coast – Zone Status Report to 30 June 2017

• Presentation by Jolene Francis, Zone Manager
West Coast Zone Status Report

• A fantastic years work completed!!
  ➢ 106% spent on $1.2M

• 3 main priority work areas
  • CNW: Aotea, Kawhia and Whaingaroa harbour
  • HCEF – Awakino, Mangaotaki, Lower Mokau
  • River Management:
    Continued work within wider West Coast catchment (priority rivers: Marokopa, Waikawau, Waitetuna)
2016/17
On ground work
### On-ground works summary

<table>
<thead>
<tr>
<th>Zone</th>
<th>Financial Year</th>
<th>Catchment Works Costs</th>
<th>Completed Fencing</th>
<th>Completed Fencing</th>
<th>Planting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Actual Cost</td>
<td>Total Fence Length M</td>
<td>Streambank Retired M</td>
<td>Plant Nos</td>
</tr>
<tr>
<td>Central Waikato</td>
<td>16/17</td>
<td>217,333</td>
<td>6,696</td>
<td>1,323</td>
<td>31,492</td>
</tr>
<tr>
<td>Coromandel</td>
<td>16/17</td>
<td>218,180</td>
<td>9,903</td>
<td>5,537</td>
<td>18,185</td>
</tr>
<tr>
<td>Lake Taupo</td>
<td>16/17</td>
<td>36,866</td>
<td>1,790</td>
<td>1,080</td>
<td></td>
</tr>
<tr>
<td>Lower Waikato</td>
<td>16/17</td>
<td>425,794</td>
<td>9,235</td>
<td>4,460</td>
<td>58,338</td>
</tr>
<tr>
<td>Upper Waikato</td>
<td>16/17</td>
<td>112,961</td>
<td>12,593</td>
<td>3,500</td>
<td>7,070</td>
</tr>
<tr>
<td>Waikou / Piako</td>
<td>16/17</td>
<td>554,436</td>
<td>20,479</td>
<td>16,463</td>
<td>55,110</td>
</tr>
<tr>
<td>Waipa</td>
<td>16/17</td>
<td>1,167,542</td>
<td>56,715</td>
<td>39,073</td>
<td>133,823</td>
</tr>
<tr>
<td><strong>West Coast</strong></td>
<td><strong>16/17</strong></td>
<td><strong>1,201,821</strong></td>
<td><strong>57,494</strong></td>
<td><strong>46,379</strong></td>
<td><strong>80,359</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$3,934,934</strong></td>
<td><strong>174,904</strong></td>
<td><strong>117,815</strong></td>
<td><strong>384,377</strong></td>
</tr>
</tbody>
</table>


Project Summary – Northern Priority

Aotea Harbour

• 3 planned projects, 2 completed this financial year. One transferred to next financial year
• WRC contribution $60,000 ($30k CNW, $30k SNA).
• Total project(s) cost: $482,500
• Funding partners: Nga Whenua Rahui
• Catchment Works Summary:
  - 8km of harbour, estuarine and wetland fencing completed
  - 18ha land retired (closed in 2016/17 financial year)
  - 100 poplar poles planted for erosion control
Project Summary – Northern Priority

Kawhia Harbour

Four Projects:
• Total Cost $332,427
• WRC contribution $107,591
• Funding Partners: MPI
• Catchment Works Summary:
  - 10.3km of harbour, estuarine and wetland fencing completed
  - 66,433 native plantings completed
  - 68.3ha land retired (closed in 2016/17 financial year)
Project Summary – Northern Priority

Whaingaroa Harbour Catchment

17 Projects planned, 14 completed this financial year
• Total Cost $606,407
• WRC contribution $81,973
• Funding Partners: Nga Whenua Rahui, Waikato District Council
• Catchment Works Summary:
  - 15km of harbour, estuarine, wetland, bush and riparian fencing completed
  - 13,078 native plantings completed
  - 27ha land retired (closed in 2016/17 financial year)
  - 100 poplar poles planted for erosion control
Okapu Station – Before

Okapu Station – After
3.4km of fencing, 5000 native plants
Okapu Station – Before

Okapu Station – After
Okapu Station – Before

Okapu Station – After
4.8km fencing
Kokonga Farms – Before

Kokonga Farms – After
Lake Harihari – before

Lake Harihari – after culvert replacement and planting
Koura Farms – Aramiro Historic Flax wetland fencing and planting (partnership with WDC)
Arkless Property, Kawhia – 1.1km of harbour, estuarine, wetland fencing (5ha retirement)
Project Summary – Southern Non-priority

• 4 Projects
• Total Project Cost: $110,740
• Waikato Regional Council contribution $14,341
• Bush retirement (fencing), wetland planting and fencing, riparian planting and fencing, pole planting, tomo fencing.
Project Summary – Southern HCEF

Awakino
• 5 Projects
• $210,470 total cost, WRC contribution $76,254
• 30 poles planted (1.58ha), 133 ha total land retired, 26.5 ha river bank retired

Mangaotaki
• 10 Projects
• $344,206 total cost, WRC contribution $127,305
• 50 poles planted (12 ha), 31.6 ha total land retired, 13.2 ha stream-bank retired

Lower Mokau
• 6 Projects
• $163,376 total cost, WRC contribution $57,179
• 483 poles planted (21.67 ha), 21.7 ha total land retired, 0.65 ha riverbank retired
105ha beech/mixed native retirement in priority Awakino catchment (HCEF)
Pole planting, native bush retirement – priority Awakino catchment (HCEF)
10ha Native bush retirement – priority Mangaotaki Catchment (HCEF)
6.8ha Native bush retirement in the priority Mangaotaki catchment (HCEF)
Poplar poles, AGS, fencing in the priority Mangaotaki catchment (HCEF)
2.2ha Riparian fencing, planting, native bush retirement, Karst features in the priority Mangaotaki Catchment (HCEF)
Riparian fencing and planting 1.2km, Mokau Catchment (CNW)
Riparian fencing of the Waipari Stream in the priority Lower Mokau Catchment (HCEF)
Mangaorongo Stream Blockage - before removal

Mangaorongo Stream Blockage – after removal
Mapara Stream Blockage – before removal

Mapara Stream Blockage – after removal and stabilisation with groynes
Mapiu Stream blockage
– before removal

Mapiu Stream blockage
– after removal
Waitetuna River – before Willow clearance

Waitetuna River – after willow clearance (Fencing and planting still to be completed)
Marokopa River Ox-bow:
Pole planting, use of geotextile/seed with shrubbies to stabilise bank
Waikawau River – Littin property
Waikawau River – Littin property
Mangaotaki Stream – bank erosion (before)
Mangaotaki Stream – Four newly constructed rock groynes with stabilised bank edge
Instream Works Field Day – Mangaotaki Stream
2016/17 Programme Status - Financials

West Coast Expenditure 2016/17: $1,323,725

- Hill Country Erosion, $417,087
- Catchment New Works, $445,711
- Catchment Oversight, $207,452
- Info & Advice, $53,196
- River Management, $179,506
- Maintenance, $20,772
2016/17 Programme Status - Financials

West Coast - Zone Operating

Zone budget fully expended – 106%
## 2016/17 Programme Status - Financials

### West Coast Catchment

**Jun - 17 NZD**

<table>
<thead>
<tr>
<th>Maintenance</th>
<th>YTD Actual</th>
<th>YTD Budget (Revised)</th>
<th>Variance</th>
<th>FY Budget (Revised)</th>
<th>FY Budget Ann Plan</th>
<th>% Spent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catchment Oversight</td>
<td>207,452</td>
<td>161,327</td>
<td>(46,126)</td>
<td>161,327</td>
<td>125,077</td>
<td>129%</td>
</tr>
<tr>
<td>Information and Advice</td>
<td>53,196</td>
<td>48,934</td>
<td>(4,262)</td>
<td>48,934</td>
<td>57,924</td>
<td>99%</td>
</tr>
<tr>
<td>Catchment Maintenance</td>
<td>20,772</td>
<td>18,676</td>
<td>(2,097)</td>
<td>18,676</td>
<td>39,676</td>
<td>111%</td>
</tr>
<tr>
<td>Catchment New Works</td>
<td>445,711</td>
<td>419,081</td>
<td>(26,630)</td>
<td>419,081</td>
<td>294,081</td>
<td>106%</td>
</tr>
<tr>
<td>River Management</td>
<td>176,506</td>
<td>193,400</td>
<td>13,893</td>
<td>193,400</td>
<td>243,400</td>
<td>93%</td>
</tr>
<tr>
<td>Hill Country Erosion</td>
<td>417,087</td>
<td>406,008</td>
<td>(11,079)</td>
<td>406,008</td>
<td>406,008</td>
<td>103%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1,323,725</td>
<td>1,247,425</td>
<td>(76,300)</td>
<td>1,247,425</td>
<td>1,166,175</td>
<td>106%</td>
</tr>
</tbody>
</table>

Interest on reserve expense

|                      | 0          | 0                    | 0        | 0                   | 0                  | n/m     |

TOTAL OPERATING EXP (OPEX)

|                      | 1,323,725  | 1,247,425            | (76,300) | 1,247,425           | 1,166,175         | 106%    |

### Capital

<table>
<thead>
<tr>
<th>FUNDING BY</th>
<th>YTD Actual</th>
<th>YTD Budget (Revised)</th>
<th>Variance</th>
<th>FY Budget (Revised)</th>
<th>FY Budget Ann Plan</th>
<th>% Spent</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Rate</td>
<td>398,698</td>
<td>398,698</td>
<td>0</td>
<td>398,698</td>
<td>398,698</td>
<td>(100)%</td>
</tr>
<tr>
<td>Targeted Rates</td>
<td>401,031</td>
<td>398,698</td>
<td>2,332</td>
<td>398,698</td>
<td>398,698</td>
<td>(101)%</td>
</tr>
<tr>
<td>Government Grant</td>
<td>216,397</td>
<td>135,000</td>
<td>81,397</td>
<td>135,000</td>
<td>135,000</td>
<td>(160)%</td>
</tr>
<tr>
<td>Direct Charges</td>
<td>14,109</td>
<td>0</td>
<td>14,109</td>
<td>0</td>
<td>0</td>
<td>n/m</td>
</tr>
<tr>
<td>Interest on reserve</td>
<td>9,799</td>
<td>12,000</td>
<td>(2,201)</td>
<td>12,000</td>
<td>12,000</td>
<td>(85)%</td>
</tr>
<tr>
<td>Other Income</td>
<td>10,716</td>
<td>75,000</td>
<td>(64,284)</td>
<td>75,000</td>
<td>0</td>
<td>(14)%</td>
</tr>
<tr>
<td>TOTAL REVENUE</td>
<td>1,050,751</td>
<td>1,019,396</td>
<td>31,354</td>
<td>1,019,396</td>
<td>944,396</td>
<td>(103)%</td>
</tr>
</tbody>
</table>

NET SURPLUS / (DEFICIT)

|                      | (272,974)  | (262,998)            | (9,976)  | (262,998)           | (256,749)         | (104)%  |
Harbour Catchment Planning

• To commence this financial year
• The draft scope of the project has been split into two phases:
  ➢ Phase 1: A – Information gathering
    : B – Identify priority sub-catchments
  ➢ Phase 2: Preparation of sub-catchment plans
• Next steps: scope sign off, engaging contractor to initiate Phase 1 of the project.
Freshwater Improvement Fund applications

• February 2017: government announces commitment of $100 million over 10 years for the Freshwater Improvement Fund

• There were a number of eligibility criteria associated with the fund that had to be met including location in “vulnerable catchments”

• Two applications submitted in April for the following projects in the West Coast Zone:
  • The offsetting of landowner contributions to the Hill Country Erosion Fund (an increase to 100% funding), and potentially including expansion of current pest animal control (joint project with MPI and landowners).
  • Expanding current willow control in the Toreparu Wetland to include post-control maintenance and new animal pest control (joint project with local iwi and community groups)

• Applications were unsuccessful.

• Potential opportunities for project funding in subsequent years.
7. West Coast – Zone Status Report to 30 June 2017

- THAT the report “West Coast – Zone Status Report to 30 June 2017” (Doc #10881368 dated 22/08/2017) be received for information.
8. Waikato Regional Council Long Term Plan update

• THAT the report “Waikato Regional Council Long Term Plan update” (Doc #10890280 dated 1 August 2017) be received for information.
9. Catchment committee effectiveness review update

• THAT the report “Catchment committee effectiveness review update” (Doc #10845150 dated 1 August 2017) be received for information.
10. Whareorino Aerial Operation update

• THAT the verbal report on “Whareorino Aerial Operation update” (Doc #10900624, dated 9 August 2017) be received for information.
11. Biosecurity Plant Pest Update

• THAT the verbal report on “Biosecurity Plant Pest Update” (Doc #10902818, dated 9 August 2017) be received for information.
12. Healthy Rivers (Plan Change 1) update

- THAT the presentation “Healthy Rivers (Plan Change 1) update (Doc #10902523, dated 9 August 2017) be received for information.
Alligator Weed
Pastoral weeds in total are estimated to cost the NZ economy $1.2 b per annum ($1,073 m in farm production losses + $167 m in control costs).

The benefit to the forestry sector from sustaining cost effective weed control is at least $108m/yr.

Graeme Bourdêt, AgResearch
Chilean Needle Grass
Where are we now?

**THE PROCESS**

- **22 OCTOBER 2016**
  Proposed plan change notified

- **2018**
  Hearings committee releases its decision, people can appeal to the Environment Court

- **5PM, 8 MARCH 2017**
  Submissions close

- **2018**
  Hearings committee consider submissions, people can speak to submissions

- **MID-YEAR 2017**
  Submissions collated and summary made available

- **Council calls for further submissions asking submitters to indicate whether or not they support submissions**

**HAURAKI IWI CONSULTATION PROCESS**

- **Recommendations expected to be made by June 2017**

- **Council re-notifies the temporarily withdrawn portion of the plan**

- **Council provides landowners with information so they can also submit on the withdrawn area of the plan**

- **The council merges the two processes into one hearings and decisions process**
The aim

Reduce point and non-point sources of contaminants – nitrogen, phosphorus, sediment and bacteria – entering water bodies (including groundwater) in the Waikato and Waipa catchments.
Timing of this looks like...

...of way towards improving water quality to achieve *Vision and Strategy* in...

10%   10 years
25%   20 years
50%   60 years
100%   80 years
We aim to implement this by

- Working sub-catchment by sub-catchment (Priority 1 first)
- Providing sub-catchment based information (profiles)
- Identifying key farmers and rural professionals
- Identifying key issues in sub-catchments
- Providing conduits to farm planning workshops plus funding streams for works
<table>
<thead>
<tr>
<th>SubCatchment</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activities</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Profile Creation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Content preparation</td>
<td>18th</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Circulate to landowners in mail-out</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Farmer/landowner engagement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Key farmer ID: e.g. Osbornes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spend time with landowners</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catchment field day</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Content/topics for field day</td>
<td>10th?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Location ID and booking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Printing complete</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speakers organised and briefed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Key RPs aware of day</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Invitation to landowners</td>
<td>Before 29th</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RP engagement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ID key RPs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Work on catchment focussed issues</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Link to CMOs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FEP Workshops (B/L to confirm)</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Catchment based workshops/meetings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>What are the catchment issues?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>What do landowners want to know more about?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>How might we cover/inform around these topics?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support for landowners around FEP actions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final catchment meeting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sticking points for farmers/industry

• Nitrogen Reference Point (NRP)

• Stock exclusion

• Land-use change
Questions?
13. Willis Report – The role of Regional Councils in Biodiversity Management

• THAT the presentation “Willis Report – The role of Regional Councils in Biodiversity Management” (Doc #10893466, dated 8 August 2017) be received for information.
Items for Next meeting
HE TAIAO MAURIORA
HE ŌHANGA PAKARI
HE HAPORI HIHIRI
HE HEALTHY ENVIRONMENT
HE STRONG ECONOMY
HE VIBRANT COMMUNITIES