Utilities and Roading Committee

Agenda

Tuesday 20 June 2017

4.00pm

Waimakariri District Council Chambers
215 High Street
Rangiora

Members:
Cr Robbie Brine (Chairperson)
Deputy Mayor Kevin Felstead
Cr John Meyer
Cr Sandra Stewart
Cr Paul Williams
Mayor David Ayers (ex officio)
The Chairman and Members

WAIMAKARIRI DISTRICT COUNCIL

A Meeting of the UTILITIES AND ROADING COMMITTEE will be held in the COUNCIL
CHAMBERS, 215 HIGH STREET, RANGIORA on TUESDAY 20 JUNE 2017 to
commence at 4.00pm.

Adrienne Smith
Committee Advisor

Recommendations in reports are not to be construed as
Council policy until adopted by the Council

BUSINESS

1 APOLOGIES

2 CONFLICTS OF INTEREST

Conflicts of interest (if any) to be reported for minuting.

3 CONFIRMATION OF MINUTES

3.1 Minutes of a meeting of the Utilities and Roading Committee held on
Tuesday 18 April 2017

RECOMMENDATION

THAT the Utilities and Roading Committee:

(a) Confirms, as a true and correct record, the minutes of a meeting of the
Utilities and Roading Committee held on Tuesday 18 April 2017.

4 MATTERS ARISING

5 PRESENTATION
6 REPORTS

6.1 Approval to seal the remaining unsealed section of North Eyre Road between No 10 Road and Logans Road under the rural seal extension policy – Ken Stevenson (Roading Manager)

RECOMMENDATION

THAT the Utilities and Roading Committee:

(a) Receives report No 170607058034.

(b) Approves the sealing of the remaining unsealed length of North Eyre Road between No 10 Road and Logans Road as shown on the attached plan (Doc 170612059857).

(c) Notes that this sealing complies with the rural seal extension policy where financial contributions are available.

(d) Notes that funding is available in the Roading Subdivision Contribution Budget in the 2017/18 year to fund this work.

(e) Circulates this report to the Oxford-Ohoka Community Board.

6.2 Closure of Stock Water Race R1-A in Eyrewell Forest Area – Owen Davies (Drainage Asset Manager) and Janet Fraser (Utilities Planner)

RECOMMENDATION

THAT the Utilities and Roading Committee:

(a) Receives report No 170608058199.

(b) Approves closure of the Water Race R1-A at a point approximately 520m east of Poyntz Road.

(c) Notes that at the point of closure of the race any surplus water will be discharged to ground via a soak pit, in accordance with a consent to be obtained from Environment Canterbury.

(d) Notes the reduction in stock water race rate income following closure of part of R1-A would be approximately $8,012.

(e) Notes it is unclear whether any improved operating efficiencies resulting from the race closure would be sufficient to cover the loss of rates revenue.

(f) Circulates this report to the Oxford-Ohoka Community Board and the Water Race Advisory Committee.

7 REPORTS FOR INFORMATION ONLY
PORTFOLIO UPDATES

8.1 Roading – Councillor John Meyer

8.2 Drainage and Stockwater – Councillor Sandra Stewart

8.3 Utilities (Water Supplies and Sewer) – Cr Paul Williams

8.4 Solid Waste – Cr Robbie Brine

MATTERS TO BE CONSIDERED WITH THE PUBLIC EXCLUDED

Section 48, Local Government Official Information and Meetings Act 1987

RECOMMENDATION

THAT the public be excluded from the following parts of the proceedings of this meeting.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution, are as follows:

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<tr>
<td>9.1</td>
<td>Minutes of the public excluded portion of a meeting of the Utilities and Roading Committee 18 April 2017</td>
<td>Confirmation of Minutes</td>
<td>Good reason to withhold exists under Section 7</td>
<td>Section 48(1)(a)</td>
</tr>
<tr>
<td>9.2</td>
<td>Report of Simon Collins (Infrastructure Strategy Manager)</td>
<td>Waterways and Drainage Maintenance Contract</td>
<td>Good reason to withhold exists under Section 7</td>
<td>Section 48(1)(a)</td>
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This resolution is made in reliance on section 48(1)(a) of the Local Government Official Information and Meetings Act 1987, and the particular interest or interests protected by Section 6 or Section 7 of that Act which would be prejudiced by the holding of the whole or relevant part of the proceedings of the meeting in public are as follows:

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<td>9.1 and 9.2</td>
<td>Protection of privacy of natural persons To carry out commercial activities without prejudice</td>
<td>A2(a) A2(b)ii</td>
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QUESTIONS
11 URGENT GENERAL BUSINESS

STAFF BRIEFING

At the conclusion of the meeting there will be a workshop to discuss:

2018-28 LTP - ROADING LEVELS OF SERVICE AND BUDGET LEVEL EXPECTATIONS, FEEDBACK ON FUTURE PROJECTS, ONRC AND NZTA PROGRAMME AND BUSINESS CASES
WAIMAKARIRI DISTRICT COUNCIL

MINUTES OF A MEETING OF THE UTILITIES AND ROADING COMMITTEE HELD IN THE COUNCIL CHAMBERS, 215 HIGH STREET, RANGIORA ON TUESDAY 18 APRIL 2017 AT 4.00PM

PRESENT
Councillor R Brine (Chairperson), Mayor D Ayers, Deputy Mayor K Felstead, Councillors J Meyer, S Stewart and P Williams.

IN ATTENDANCE
Councillors W Doody, A Blackie, N Atkinson and P Allen
Messrs G Cleary (Manager Utilities and Roading), K Simpson (3 Waters Manager), C Roxburgh (Water Asset Manager), Ms J Fraser (Utilities Planner), Owen Davies (Drainage Asset Manager), Ms R McClung (Senior Policy Analyst) and Mrs E Stubbs (Minute Secretary).

1 APOLOGIES
There were no apologies.

2 CONFLICTS OF INTEREST
No conflicts of interest noted.

3 CONFIRMATION OF MINUTES
3.1 Minutes of a meeting of the Utilities and Roading Committee held on Tuesday 21 February 2017

Moved Councillor Meyer seconded Deputy Mayor Felstead

THAT the Utilities and Roading Committee:

(a) Confirms, as a true and correct record, the minutes of a meeting of the Utilities and Roading Committee held on Tuesday 21 February 2017.

CARRIED

4 MATTERS ARISING
Nil.

5 PRESENTATION
There were no presentations.
6 REPORTS

6.1 2018 Infrastructure Strategy Project Plan – R McClung (Senior Policy Analyst)

R McClung spoke to the report. The planning process would soon be underway in preparation for the 2018 Infrastructure Strategy and a draft strategy would be before the Committee and Council in due course.

Moved Deputy Mayor Felstead    seconded Councillor Williams

THAT the Utilities and Roading Committee:

(a) Receives report No. 170405033536.

(b) Notes the 2018 Infrastructure Strategy is a significant document that will come to the Committee and Council as a draft in due course.

CARRIED

Deputy Mayor Felstead commented it was good to be informed on progress and looked forward to reading the report in due course.

It was noted that it would be 100 years since its last review.

6.2 Closure of Stock Water Race R1-A in Eyrewell Forest Area – Janet Fraser (Utilities Planner)

J Fraser advised the report was to seek approval to close a section of the Council’s stock water race R1-A; a 14km section close to Poyntz Road and Two Chain Road. The request for the closure had been received from Ngai Tahu Farming Limited. All those downstream of the race were supportive of the closure and noted no further demand for water through that race as well as the irregular supply.

J Fraser commented that one outstanding matter was a requirement for Ngai Tahu Farming to consult directly with Te Rūnanga o Ngāi Tūhuriri.

J Fraser advised that the Water Race Advisory Committee (WRAC) had mixed views on the matter including the ongoing viability of the water race system, if further farms requested closure of the races. Closure of the race would result in a loss in rates income which would be mitigated through decreased race maintenance costs.

O Davies commented that the WRAC had reluctantly accepted that if the water was not required by those on the race, then they could not be required to pay rates on them. While there was concern that there could be a further effects if other farmers requesting race closures, a recent questionnaire revealed that many respondents believed the water race system was important to the district. In the past there had been a number of requests to close water races, however not all had been closed due to the effect on users downstream. The section in question was at the end of the system so few users were affected.
Deputy Mayor Felstead commented that he would be more comfortable if the report had been more positive regarding the ability to offset the decrease in rates income with reduced maintenance costs and asked if that could be negotiated with Waimakariri Irrigation Ltd (WIL). O Davies replied that WIL had already incorporated the funds into their existing budgets.

Deputy Mayor Felstead asked whether the maintenance costs could be quantified so that savings made by closing the race could be established. O Davies replied that it would be part of the discussion in the next round of negotiations with WIL.

O Davies explained that there may be a requirement for an archaeological assessment before the race was filled in. Deputy Mayor Felstead queried how that would be funded. O Davies replied funding would come from Ngai Tahu Farming because they were requesting the closure.

Councillor Doody noted the historical significance of the race and queried whether there was an opportunity to reopen the race in the future. O Davies replied that it was a major undertaking to close a race and not likely to be reversed. Where the race was performing a drainage function there was a good reason to keep it operative but difficulties came when people filled in sections.

Councillor Stewart asked if staff could comment in relation to the Waimakariri Zone Committee’s (WZC) proposal in the Solutions Package to use races to deliver water under managed aquifer recharge and whether R1-A could be used for that purpose. She expressed concern that the race was closed if it was being considered for another purpose. O Davies responded that the idea of augmenting groundwater or surface water had been raised by the WZC but had not gone as far as identifying which races could be utilised. Staff had invited WZC to discuss issues that might arise from the proposal, such as flooding, but had been advised that there was not enough progress for that discussion. It had also not been considered in relation to the request from Ngai Tahu farming to close the race.

Councillor Stewart advised that more work on the proposal would be undertaken in the coming months and would prefer the request lie on the table until the WZC had been able to discuss the options further. She asked whether closing the race meant it would be filled in. O Davies advised that a soak pit would be dug for any excess water to be directed into. All or parts of the race could be altered to accommodate farming requirements such as pivot irrigators.

Councillor Meyer asked how much work had been completed to determine how much of the water was lost to ground through the race. O Davies replied it was hard to quantify and could not provide any formal details, however there was anecdotal evidence that it was significant.

Councillor Meyer asked if there was water going to ground, that it would be considered positive for that area. O Davies replied it was dependent on ones perspective. Staff viewed the proposal from an economic perspective rather than an environmental one. From an environmental perspective, it could be viewed as replacing one type of irrigation with another. Councillor Meyer noted that the Selwyn District Council (SDC) had expressed similar concerns and queried whether there had been any communication with SDC. O Davies replied no official communications regarding the current matter had occurred.
Mayor Ayers asked whether groundwater augmentation would occur at that point where the race was being closed, just east of Poyntz Road. O Davies replied that it would.

Councillor Atkinson queried what, if any, implications there would be if report did lie on the table. G Cleary replied that it was an important decision for the Council, and could be deferred.

Moved Councillor Stewart seconded Councillor Meyer

**THAT the Utilities and Roading Committee:**

(a) **Receives** report No.170201009287.

(b) **Lays** report No. 170201009287 on the table until the Waimakariri Zone Committee develops its Land and Water Solutions Package, which may involve managed aquifer recharge using Water Race R1-A, and that the report be reconsidered at the Utilities and Roading Committee meeting in August 2017.

(c) **Refers** this report to the Oxford-Ohoka Community Board.

A division was called.

**For:** Councillors Brine, Meyer, Stewart, Williams.

**Against:** Mayor Ayers and Deputy Mayor Felstead.

4:2 CARRIED

**6.3 Oxford Road Stock Water Race R3N-1 Closure Proposal – Janet Fraser (Utilities Planner)**

J Fraser tabled report ‘Archaeological Assessment for Part of Oxford Road Water Race, Rangiora’ by Michael Trotter, advising she had only received it that morning. The Committee were given a moment to scan the report with J Fraser highlighting the table (page 8) which noted that the value of the site as low.

Councillor Brine noted that the recommendation was to close water race R3N-1 and asked if Mr Trotter had identified any significant adverse effects from its closure. J Fraser advised that there were no significant adverse effects raised, however the date of construction was likely to be pre-1900. This meant that the Council would need to apply to Heritage New Zealand (HNZ) in order to fill in sections of the race. This had not been required in the past.

Councillor Brine asked if there would be benefit for the report to lay on the table. Mayor Ayers commented that if the Council did not get authorisation from HNZ, then they would be acting contrary to requirements of the Heritage New Zealand Act 2014. G Cleary advised it would be prudent to lay the report on the table until staff could provide recommendations based on the recently received report.
Councillor Stewart requested that staff also investigate whether the R3N-1 race could be used for managed aquifer recharge, noting its connection to the Northbrook. G Cleary replied that staff could investigate that.

Councillor Meyer sought clarification on the closure of a water race 10 years ago on the north side of Rangiora. G Cleary advised it was closed but not filled in. Property owners were allowed to fill in sections at their own expense, as long as the Council was satisfied that the race did not perform a drainage function.

Deputy Mayor Felstead queried if the report lay on the table, whether affected ratepayers would be issued rates effective 1 July 2017 that included water race rates for another full year. G Cleary replied that they would.

Deputy Mayor Felstead asked if it was possible to close the races from a financial perspective but not physical. G Cleary replied it was possible. He advised that a report addressing rating of both water races (R1-A in Eyrewell Forest Area and R3N-1 on Oxford Road) would be provided during the Council’s Annual Plan meeting process.

Deputy Mayor Felstead asked if it was thought reasonable to continue rating for ecological reasons. O Davies replied he was not in a position to answer the question. Councillor Allen, as a member of the Coldstream Stock Race Panel, advised that substantial parts of the race were filled in through Arlington and the cemetery which had significant environmental impacts including trees dying.

Moved Mayor Ayers    seconded Deputy Mayor Felstead

THAT the Utilities and Roading Committee:

(a) **Receives** report No. 170310023657.

(b) **Requests** that prior to the Utilities and Roading Committee deliberating on report no. 170310023657, that it be referred to Heritage New Zealand for assessment.

**CARRIED**

Mayor Ayers advised that he had not requested the report lay on the table as it would have closed the debate and would not have allowed a full discussion on the matter.

Deputy Mayor Felstead supported the motion based on staff assurance that the rates implication would be addressed. He believed it was appropriate for recommendations to be based on an archaeological assessment before a decision is made.

Councillor Stewart was satisfied with the motion. If the race was closed downstream, environmental effects required due consideration. She noted that 90% of water races were not completely ‘watertight’, with questions still to be addressed regarding who was financially responsible for managed aquifer recharges.

R McClung advised that the report provided results of the 2016 Customer Satisfaction survey, in particular Utilities and Roading elements. She advised that the survey was managed by the Council’s Policy and Strategy team and so was separate to those parts of Council delivering the services.

R McClung advised that sections 3.1 to 3.8 outlined the methodology, section 3.9 reported key findings in relation to utilities, and section 3.10 reported on key findings in relation to roading, footpaths, parking and cycling provision.

Councillor Allen noted the 25% of households dissatisfied with kerbside refuse collection and asked what other themes were raised. R McClung responded kerbside refuse was a significant topic, with the strength of the plastic rubbish bags being a major issue. Some households has expressed support for a three-bin system similar to Christchurch.

Moved Deputy Mayor Felstead seconded Councillor Meyer

THAT the Utilities and Roading Committee:

(a) Receives report 170331031643
(b) Notes that a comprehensive report on all aspect of the Customer Satisfaction Survey 2016 will be presented to the Council meeting on June 6.
(c) Refers this report to the Community Boards for their information

CARRIED

6.5 Proposed Chlorination Strategy and Update on Progress with Emergency Chlorination Systems – Colin Roxburgh (Water Asset Manager)

C Roxburgh advised that the purpose of the report was to seek approval to adopt the Draft Chlorination Strategy (Strategy) and to update the Committee on emergency chlorination systems.

C Roxburgh advised that the Council had established chlorination practices, however it had not been formally documented. The prepared draft Strategy aimed to document and justify established practices and provide guidance for the future.

C Roxburgh outlined the five main reasons why a water supply scheme may be chlorinated and advised that the Strategy would help guide future schemes.

The second part of the report was in response to the Havelock North incident and examined how emergency chlorination could be applied in a potential contamination event. It had been decided that the ability to apply emergency chlorination was a high priority, as it was a cost effective method of mitigating most contamination issues.
Councillor Atkinson noted that chlorine had a short shelf life and questioned whether it was necessary to retain chlorine in stock considering the 24 hour service and chlorine available in Christchurch. C Roxburgh replied that chlorine was already stored at the Water Unit in order to top up smaller schemes.

Mayor Ayers asked if the mobile chlorination system required a dedicated truck. C Roxburgh advised that the back of a ute would suffice.

Moved Councillor Meyer    seconded Mayor Ayers

THAT the Utilities and Roading Committee:

(a) Receives report No. 170321027265.

(b) Approves the adoption of the attached Chlorination Strategy.

(c) Notes that the Chlorination Strategy will be made publicly available on the Council website, and will be referenced in the updated Engineering Code of Practice to ensure that it is required to be adhered to for any new development areas.

(d) Notes that in order to provide an adequate level of emergency chlorination three new chlorine systems are required to be installed permanently, and two mobile chlorination systems are required.

CARRIED

Councillor Meyer commented that the report provided good assurance that good systems were in place. He was pleased it had been completed in a timely manner.

6.6 Oxford Rural Number 1 Water Supply New Source: Recommendation for New Bore Location – Colin Roxburgh, Water Asset Manager

C Roxburgh advised that the purpose of the report was to inform the Committee of the outcome of the community consultation regarding the new bore location for the Oxford Rural No.1 water supply scheme and to seek approval to process with the drilling at the recommended location.

C Roxburgh outlined the results of the community consultation, noting that the majority of the respondents who had opposed the initial bore site, had been due to its vicinity to a historic sheep dip. He noted it was a good result from community consultation and Council had appointed Pattle Delamore Partners (PDP) to advise staff on the new information provided by the community.

PDP had advised that due to confining layers of soil and rock, the risk of contamination to deep water sources was low. PDP had recommended a separation distance of 500m. Based on that advice, a new site, approximately 500m west of the original site was recommended. C Roxburgh advised that while there was less piping involved, power to the site was required so the change in location was cost neutral. An existing deep well 700m downstream had been tested and the chemical analysis showed no sign of sheep dip contamination.
Moved Deputy Mayor Felstead    seconded Councillor Brine

THAT the Utilities and Roading Committee

(a) Receives report No. 170330031230.

(b) Notes that staff undertook consultation with the Oxford Rural No.1 community to seek feedback on the proposal to drill a new public water supply well near the Watsons Reserve Road and McPhedrons Road intersection.

(c) Notes that 30% of those that submitted feedback supported the proposal, and 67% opposed the proposal, and that a key reason for residents opposing the proposal was due to the presence of a historic sheep dip site in the vicinity of the proposed well site.

(d) Notes that as a result of the information obtained during consultation, staff have received advice regarding a safe separation distance between the sheep dip site and the new well site, and subsequently have revised the recommended new bore location to a new site approximately 500m west of the original recommendation.

(e) Approves staff to proceed with the drilling of the new bore at the revised recommended site, on the paper section of McPhedrons Road, approximately 500m west of the Watsons Reserve Road intersection.

(f) Notes that the estimated cost for the drilling, development and testing of the new bore is $250,000, and that this will be funded from the New Source budget, and that there is sufficient budget available.

(g) Notes that staff will write to the community to inform them of the decision regarding the new bore location.

(h) Circulates this report to the Oxford-Ohoka Community Board for their information

CARRIED

Deputy Mayor Felstead commented that it was a good outcome that showed the benefits of community consultation.

7 REPORTS FOR INFORMATION ONLY

7.1 Contract 16/71 River Road Seal Extension Tender Evaluation and Contract Award Report – Kieran Straw (PDU Project Manager) and Ken Stevenson (Roading Manager)

(refer to copy of report no. 170223017579 to the Management Team meeting of 6 March 2017)

7.2 Approval to engage GeoSolve Ltd for 2017 Falling Weight Deflectometer Surveys – Yvonne Warnaar, (Asset Planning Engineer)

(refer to copy of report no. 170331031491 to the Management Team meeting of 3 April 2017)
7.3 **Acceptance of price from JFC for Rangiora Town Centre Works - Daniel Thompson (Special Projects Manager) and Ken Stevenson (Roading Manager)**

(refer to copy of report no. 161012104756 to the Management Team meeting of 27 March 2017)

Moved Councillor Meyer seconded Deputy Mayor Felstead

**THAT** Items 7.1 to 7.3 be received for information.

**CARRIED**

8 **PORTFOLIO UPDATES**

8.1 **Roading – Councillor John Meyer**

Councillor Meyer noted that there were two major projects underway - the Kaiapoi Bypass and Southbrook road. He asked if concerns of Southbrook Road resident had settled and G Cleary replied yes in comparison to the start of process.

8.2 **Drainage and Stockwater – Councillor Sandra Stewart**

Councillor Stewart advised that she had attended the full round of drainage advisory group meetings. There had been concerns around the continuity of the water race system.

Henry Hudson had completed his report on the Cam River and it would go to a meeting of the Cam River Rehabilitation Sub-Committee in April.

Councillor Stewart advised there was a pond in Southbrook that was in breach of its consent in terms of sediment discharge. The information had been forwarded to the WZC.

Consent monitoring of a McAlpines Storm water holding basin had revealed arsenic 10 x permitted levels going into Pond C.

Councillor Stewart requested that minutes of drainage advisory groups go to the relevant community boards. G Cleary advised that currently they did not but they could in future.

Councillor Atkinson requested that the Henry Hudson Cam River report go to the Kaiapoi Rehabilitation Committee and G Cleary advised it would be.

8.3 **Utilities (Water Supplies and Sewer) – Cr Paul Williams**

Councillor Williams referred to the required desludging of the Oxford Sewer System before the upgrade. It was advised that there was work required to clean out the aeration basin. They were looking to complete that prior to upgrade work to allow more ability to shut down the plant. There were sludge bags in Kaiapoi that could be used.

Councillor Doody asked if that information could be passed to the Oxford-Ohoka Community Board and G Cleary advised there could be an update report.
8.4 Solid Waste – Cr Robbie Brine

Councillor Brine advised that there was an upcoming Canterbury Waste Joint Committee meeting in Christchurch.

There was a meeting with the Council’s Solid Waste Asset Manager, Kitty Waghorn, 27 April 2017 regarding advancing the waste management plan.

9 MATTERS TO BE CONSIDERED WITH THE PUBLIC EXCLUDED

Section 48, Local Government Official Information and Meetings Act 1987

Moved Councillor Brine  seconded Deputy Mayor Felstead

THAT the public be excluded from the following parts of the proceedings of this meeting.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution, are as follows:

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<td>9.1</td>
<td>Report of Colin Roxburgh (Water Asset Manager)</td>
<td>Request to Award Separable Portion A of Contract 17/17 Water Supply Well Drilling and Maintenance (Oxford Rural No: 1 New Well)</td>
<td>Good reason to withhold exists under Section 7</td>
<td>Section 48(1)(a)</td>
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PUBLIC EXCLUDED REPORTS FOR INFORMATION ONLY – Item 9.2 previously circulated to members

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<td>9.2</td>
<td>Report of Colin Roxburgh (Water Asset Manager) and Mark Andrews (Civil Engineer PDU)</td>
<td>Contract 16/79 Peraki Street Headworks Supply main Replacement</td>
<td>Good reason to withhold exists under Section 7</td>
<td>Section 48(1)(a)</td>
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<td>9.3</td>
<td>Attachment to report for Colin Roxburgh (Water Asset Manager) (Item 6.6)</td>
<td>Attachment (i) to open meeting report: Oxford Rural Number 1 Water supply new Source: Recommendation for New Bore Location</td>
<td>Good reason to withhold exists under Section 7</td>
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<td>Protection of privacy of natural persons To carry out commercial activities without prejudice</td>
<td>A2(a) A2(b)ii</td>
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CARRIED

**CLOSED MEETING**

*Resolution to resume in Open Meeting*

Moved Councillor Brine seconded Mayor Ayers

THAT open meeting resumes and the business discussed with the public excluded remains public excluded.

CARRIED

**OPEN MEETING AT 5.54PM**

10 **QUESTIONS**

Nil.

11 **URGENT GENERAL BUSINESS**

Nil.

THERE BEING NO FURTHER BUSINESS, THE MEETING WAS CLOSED AT 5.55PM.

CONFIRMED

__________________________________________
Chairman

__________________________________________
Date
STAFF BRIEFING

At the conclusion of the meeting, a staff briefing was held to discuss:

- Sea Foam Testing – Simon
- Drainage Maintenance Contract - Simon
- Glyphosate Trial - Greg
- Kaiapoi River Rehabilitation – Owen
- Servicing of Private Properties in Residential Red Zone - Kalley
WAIMAKARIRI DISTRICT COUNCIL

REPORT

FILE NO: GOV-01-06/170607058034
REPORT TO: Utilities and Roading Committee
DATE OF MEETING: 20 June 2017
FROM: Ken Stevenson, Roading Manager
SUBJECT: Approval to seal the remaining unsealed section of North Eyre Road between No 10 Road and Logans Road under the rural seal extension policy

SIGNED BY: (for Reports to Council or Committees)

Department Manager
Chief Executive

1. SUMMARY

1.1. The purpose of this report is to seek approval to seal a section of North Eyre Road under the rural seal extension policy.

1.2. North Eyre Road east of No 10 Road has had a number of developments along it and as a consequence financial contributions have been assessed for upgrading and sealing various sections of the unsealed portion of the road.

1.3. The developer of the most recent subdivision sealed a portion of the road (about 950m). This was funded using some existing contributions except one and included a Council contribution of $20,000. That left an 820m section of the road unsealed, but within the area covered by the contributions.

1.4. Under the rural seal extension policy if contributions reach 30% of the cost of sealing then the road will be sealed. In this case the contributions over the original unsealed length of North Eyre Road are greater than 30% therefore the full unsealed length should be sealed.

1.5. The estimated cost to seal the remaining 820m is $164,000. There is sufficient budget available in the Roading Subdivision Contribution Budget in the 2017/18 year to fund this work.

Attachments:
i – Map showing road to be sealed (Doc 170612059857)

2. RECOMMENDATION

THAT the Utilities and Roading Committee:

(a) Receives report No 170607058034.

(b) Approves the sealing of the remaining unsealed length of North Eyre Road between No 10 Road and Logans Road as shown on the attached plan (Doc 170612059857).
(c) **Notes** that this sealing complies with the rural seal extension policy where financial contributions are available.

(d) **Notes** that funding is available in the Roading Subdivision Contribution Budget in the 2017/18 year to fund this work.

(e) **Circulates** this report to the Oxford-Ohoka Community Board.

3. **ISSUES AND OPTIONS**

3.1. There have been a number of developments along North Eyre Road to the east of No 10 Road over the past few years. Prior to these developments North Eyre Road was unsealed for about 1.8km and so each development paid a contribution to upgrade and seal the road.

3.2. The contributions were calculated based on the amount of traffic each development would generate and the distance the development was from No 10 Road as it was assumed the majority of the generated traffic would travel to No 10 Road.

3.3. There have been three separate subdivisions along this section of road with the two largest developments within the first 950m. Together these two developments paid about $140,000 in contributions. The third was a much smaller development and it was at the east end of the unsealed section of road. It paid $8,855 in contributions. That was in 2010/11 and the contribution is now $9,500.

3.4. The developer of the most recent development offered to seal the 950m section of the road as part of their work. So rather than paying the Council the contribution they used their contribution plus the other contribution for this section of road to seal the road. The cost offered by the developer was about $160,000 and so the Council paid the additional $20,000 on top of the $140,000 in contributions for the sealing. That sealing is now complete.

3.5. Unfortunately the remaining unsealed section of North Eyre Road, over which the smaller contribution applied, was not considered for sealing at that time.

3.6. The reason for this was that a strict interpretation of the contributions was used when assessing the developers offer to seal part of the road. The strict interpretation was to apply the contributions only to the section of the road it was originally assessed over.

3.7. In other cases where multiple developments have occurred along a section road covering different sections of the road the approach has been to apply all the contributions over the full length of the road to determine whether it complies with the rural seal extension policy and whether the road would be sealed. This interpretation was used for Barkers Road and Thongcaster Road.

3.8. So using that approach for North Eyre Road results in the following.

- Total length of unsealed road – 1.8km.
- Estimated cost to seal the full length – $325,000.
- Total contributions – $150,000.
- Contributions as a percentage of the sealing cost – 46%.

3.9. Under the rural seal extension policy if contributions reach 30% of the cost of sealing then the road will be sealed. In this case the percentage is greater than
30% therefore the sealing of this section of North Eyre Road complies with the rural seal extension policy.

3.10. The remaining unsealed section is 820m long and the estimated cost to seal this section is $164,000. The net cost to the Council will be $154,500 based on this estimate after taking into account the remaining $9,500 contribution.

3.11. It is noted that there is unlikely to be any more development along this section of North Eyre Road as the Mandeville Sports Grounds essentially covers the only remaining undeveloped frontage.

3.12. The Management Team has reviewed this report and supports its recommendations.

4. THE COMMUNITY VIEWS.

4.1. The developer of the eastern most development for which there is still $9,500 in contributions approached the Council to enquire about the sealing of the remaining section of North Eyre Road.

4.2. The Oxford Ohoka Community Board has had feedback from the community requesting this section of North Eyre Road be sealed. There is access to the Mandeville Sports Grounds off this section of North Eyre Road and it is used regularly by horse floats and this causes some issues due to the unsealed road.

4.3. There was another enquiry from a resident through the local MP requesting the sealing of this road.

5. FINANCIAL IMPLICATIONS AND RISK

5.1. The cost to seal the remaining 820m section of north Eyre Road is $164,000. Taking into account the remaining contribution of $9,500 the net cost to the Council will be $154,500. There is sufficient funding in the Roading Subdivision Contribution Budget in 2017/18 to fund this work.

5.2. The above estimate is based on $200/m. It is likely a lower price will be obtained as the work is straightforward and low risk.

5.3. This project does not meet NZTA requirements and so no NZTA funding is available.

5.4. There are no significant risks associated with this project.

6. CONTEXT

6.1. Policy

This matter is not a matter of significance in terms of the Council’s Significance Policy.

The Council’s Rural Seal Extension Policy (S-CP-4520) provides the following in relation to roads where financial contributions are available.

- The Council will seal all rural unsealed roads when financial contributions from subdivisions to at least 30% of the cost of sealing the road are available.

- Funding for these projects will come from the Subdivision Projects budget.
6.2. **Links to Community Outcomes**

There is a safe environment for all.

Transport is accessible, convenient, reliable, affordable and sustainable.

---

Ken Stevenson  
Roading Manager
WAIMAKARIRI DISTRICT COUNCIL

REPORT

FILE NO and TRIM NO: DRA-21 / 170608058199

REPORT TO: Utilities and Roading Committee

DATE OF MEETING: 20 June 2017

FROM: Owen Davies, Drainage Asset Manager
Janet Fraser, Utilities Planner

SUBJECT: Closure of Stock Water Race R1-A in Eyrewell Forest Area

SIGNED BY:
Department Manager
Chief Executive

1. SUMMARY

1.1. The purpose of this report is to seek approval from the Utilities and Roading Committee of a request from Ngai Tahu Farming Limited to close a section of the Council's stockwater race R1-A. The race R1-A is located through and east of the Eyrewell Forest area, as shown in attachment i.

1.2. The portion of the race proposed for closure is situated at a point about 520m east of Poyntz Road, extending east to a point just west of Two Chain Road. The race closure application is attached to this report as attachment ii.

1.3. The proposed closure of the water race is supported in formal and email correspondence (attachments iii and iv.) by all of the properties located downstream of Ngai Tahu Farming Limited and receiving water from the R1-A race. These properties support the proposed race closure as they no longer require the supply of stock water from the R1-A race. Each affected property has its own alternative stock water supply in place.

1.4. At the point of the proposed closure of the R1-A race, surplus water will be discharged to ground via a soakage pit. If the race closure is approved then Ngai Tahu Farming Limited has confirmed it will obtain resource consent from Environment Canterbury for this discharge.

1.5. The Council consulted Ngai Tuahuriri on the proposed race closure at the 16 February 2017 monthly forum meeting (see notes in attachment vii, section 6.4). There was no objection raised to the proposed race closure from Ngai Tuahuriri at this meeting.

1.6. The Council has also consulted Waimakariri Irrigation Limited (WIL) on the proposed closure. WIL supports the proposed closure as it will be easier to regulate the supply to the upper reaches.

1.7. The Council consulted Heritage New Zealand on the proposed race closure. Heritage New Zealand has required the applicant to provide an archaeological assessment of the race closure, which is attached to this report (attachment vi). The assessment shows the effects of race closure are no more than minor.
1.8. The Council discussed the proposed closure with the Water Race Advisory Committee at its 30 March meeting (see meeting notes in attachment viii). The Committee members had mixed views on the proposed closure. These include both support for the closure and concerns about the viability of the network and cost implications for the Council of continuing to close the water races. The costs and benefits of the proposed closure are discussed further in the report.

1.9. The Council has received written advice from Environment Canterbury about the potential use of the water race R1-A within its managed aquifer recharge programme. In its advisory memo (attachment ix) Environment Canterbury has not made any objection to the closure of this water race. It advises that “closing the stock water race R1-A … is unlikely to reduce groundwater water levels, flows in down-gradient spring fed streams or nitrate concentrations in surface and groundwater”.

1.10. In summary, given that: a) there is no further demand for the supply of stockwater from the affected properties; b) the costs of closure could be offset to some extent by increased operating efficiencies; and c) there is general agreement for the closure demonstrated through the consultation; it is recommended that the Committee approve the closure of the race.

Attachments:

i. Water Race R1A closure location plan (TRIM 170309023120) and races with road layout plan TRIM (170317026572 (including closed races); and 170317026530 (showing live races)).

ii. Application form for water race closure from Ngai Tahu Farming Ltd (TRIM 170309023118).

iii. Signed feedback response forms on stock water race closure Spencer Bower (TRIM 170221016522) and Landcorp (TRIM 170309023172).

iv. Email responses to request for water race closure from Spencer Bower (Claxby) and Landcorp property representatives (TRIM 170309023115).

v. Correspondence on proposed water race closure with Heritage New Zealand (TRIM 170306020944) and (TRIM 170221016637).

vi. Archaeological Assessment Received on proposed R1-A race closure (TRIM 170403032160).

vii. Draft Notes of meeting with Ngai Tuahuriri regarding consultation undertaken on 16 February 2017 on the requested water race closure (TRIM 170215014375 section 6.4).


2. **RECOMMENDATION**

**THAT** the Utilities and Roading Committee:

(a) **Receives** report No 170608058199.

(b) **Approves** closure of the Water Race R1-A at a point approximately 520m east of Poyntz Road.

(c) **Notes** that at the point of closure of the race any surplus water will be discharged to ground via a soak pit, in accordance with a consent to be obtained from Environment Canterbury.

(d) **Notes** the reduction in stock water rate income following closure of part of R1-A would be approximately $8,012.
Notes it is unclear whether any improved operating efficiencies resulting from the race closure would be sufficient to cover the loss of rates revenue.

Circulates this report to the Oxford-Ohoka Community Board and the Water Race Advisory Committee.

3. ISSUES AND OPTIONS

3.1. The purpose of this report is to seek your approval of a request from Ngai Tahu Farming Limited to close a section of the Council's stockwater race R1-A. The race R1-A is located through and east of the Eyrewell Forest area as shown in attachment I.

3.2. The portion of the race proposed for closure is situated at a point about 520m east of Poyntz Road, extending east to a point just west of Two Chain Road. The race closure application is attached to this report as attachment ii.

3.3. The proposed closure of the water race is supported in formal and email correspondence (attachment iii and iv) by all of the properties located downstream of Ngai Tahu Farming Limited and which are receiving water from the R1-A race. These properties support the proposed race closure as they no longer require the supply of stock water from the R1-A race. Each property owner has also indicated that the property has an alternative stock water supply in place.

3.4. At the point of proposed closure of the R1-A race, surplus water will be discharged to ground via a soakage pit. If the race closure is approved then Ngai Tahu Farming Limited has confirmed it will obtain resource consent from Environment Canterbury for this discharge.

3.5. If the closure is approved then the Council will discuss with each affected property owner whether any sections of race should be filled in or retained for drainage purposes. The filling in of race sections will require an Archaeological Authority from Heritage New Zealand.

3.6. Consultation has been undertaken with affected parties to determine views on the proposed water race closure. The consultation undertaken, and discussion of responses is outlined in Section 4 of the report.

3.7. The Management Team has reviewed this report and supports the recommendations.

4. COMMUNITY VIEWS

4.1. Discussions with affected property owners indicate these properties no longer have any need for the supply of water from this water race.

4.2. The consultation has confirmed that all of the affected properties downstream of the Ngai Tahu Farming property have alternative stock water supplies available to them which are more reliable than the Council supply. There is no further demand among these properties for the provision of a Council supply of stock water.

4.3. Mr Rhys Narbey representing Ngai Tahu Farming Limited made a delegation to the Council meeting on Tuesday 5 May 2017 to reiterate the request for the closure of the water race.

4.4. Waikatari Irrigation Limited (WIL) has been consulted on, and supports the proposed race closure. WIL supports the proposed closure as it will be easier to regulate the supply to the upper reaches.
4.5. The Council consulted the Water Race Advisory Committee about the proposal during its meeting on 30 March 2017 (see attachment viii TRIM 170331031634). The notes of meeting show that the Committee members hold differing views on whether or not the race should close. One member whose property is supplied water from the race supports its closure. Another member has concerns about the cost implications of the closure and the continuing viability of the network, if the Council continues to close the races upon request.

4.6. The report discusses the cost implications of race closure in Section 5. The costs of closure could be offset to some extent by increased operating efficiencies. However, it is unclear to what extent any improved operating efficiencies would result in reduced maintenance and management costs.

4.7. Te Ngai Tuahuriri Runanga were consulted about the proposal during the Monthly Forum on Thursday 16 February 2017. No objection to the proposal was raised during this meeting.

4.8. The Council has consulted with Heritage New Zealand on the proposed race closure (see attachments v and vi. for details). Heritage New Zealand advised the Council that an archaeological assessment is required to enable both the Council and Heritage New Zealand to understand any adverse effects of the closure of the water race. The applicant (Ngai Tahu Farming Limited) has obtained this assessment in accordance with these instructions (see attachment vi.).

4.9. The assessment identified that the race network construction commenced in 1891. The main race opened in 1896, and the distributing Race R1-A was likely to have been constructed very shortly thereafter (see Archaeological Assessment page 2 for details, TRIM 170403032160).

4.10. The assessment has also been prepared on the basis that the effect of the race closure on any archaeological values of the race would be no more than minor.

4.11. The applicant has now applied for an Archaeological Authority to fill in the race from Heritage New Zealand. This application states that "as the water race is being filled in it will, in effect, remain below the ground surface. Parts of the water, on land not owned by the applicant, will remain in situ". It also notes that "the impacts of the proposal will be mitigated by recording the water race, using archaeological methods, prior to it being decommissioned".

4.12. The applicant would be required to meet any provisions of their Archaeological Authority, once granted, for any section of the race that is to be back-filled.

4.13. The Council has met with and received written advice within a memo from Environment Canterbury about the potential use of the water race R1-A within its managed aquifer recharge programme. In its response Environment Canterbury has not raised any objection to the closure of this water race. It notes that "closing the stock water race R1-A ... is unlikely to reduce groundwater water levels, flows in down-gradient spring fed streams or nitrate concentrations in surface and groundwater".

5. **FINANCIAL IMPLICATIONS AND RISKS**

5.1. If the race R1-A is closed then some of the affected properties will no longer need to pay a stock water race rate. The requirement for the payment of the stockwater rate is set out in the Council's Rating Policy.
5.2. In accordance with the policy, if a section of the R1-A race is closed then the stock water races rate will no longer apply to any property that has sole access to the stock water network via that race. The rate would continue to apply, however, if that property has continuing access to any other race within the network. The Council's rating policy, page 7, states "water race rates are payable by every property with access to the water race network. Access is generally defined as being on the property or along the boundary, including on the other side of a boundary fence."

5.3. The likely financial implications of closing race R1-A is a reduction to Council in rates received of approximately $8,012 from those properties which would no longer have any access to the stock-water race system following closure of R1-A.

5.4. The annual water race network total operating and maintenance expenditure is currently around $375,000 per annum. A reduction in stock water race rate income following closure of part of R1-A could be approximately $8,012.

5.5. It is unclear whether any improved operating efficiencies would be sufficient to cover the loss of revenue from the closure.

5.6. It is noted that the Ngai Tahu Farming property is paying rates for the supply of stock water from a combination of races: R1-A, R2 and R3-A. If its access to race R1-A is closed, it would however continue to have access to Race R2 and R3-A. The water race rate would continue to apply as the property continues to have access to the water race network. Likewise, another affected property would continue to pay the stock water race rate as it continues to have access to race R3-A.

5.7. If the race is closed then the cost of backfilling will fall to each affected private property owner. Any owner that wishes to backfill the race will need to apply to Heritage New Zealand for an Archaeological Authority to permit this and provide any relevant conditions.

6. CONTEXT

6.1. Policy

This is not a matter of significance in terms of the Council's Significance Policy.

The race closure proposal is consistent with and was consulted in accordance with the Stockwater Race Closure Policy. The Policy requires the decision making process in Part 6 of the Local Government Act 2002 to be followed when making a decision to close a water race.

In particular, section 4.2 of the policy requires an assessment of significance in terms of the Council's Significance Policy. An assessment against the Significance Policy shows the following:

- i. the level of service for the supply and delivery of stockwater will not be significantly affected if the race is closed as affected properties have indicated they do not require a supply of stockwater via the race R1-A;
- ii. the section of the race considered for closure is not a strategic asset;
- iii. the closure will not significantly affect the Council's ability to supply stock water;
- iv. the closure will not significantly affect costs to Council or ratepayers.

For these reasons, the water race closure proposal is not considered significant and consultation with residents using the Special Consultative Procedure is not considered necessary.

Consultation with affected parties in accordance with Section 82 of the Act has been undertaken for all affected properties, with a letter and feedback response form sent to each property located along the race downstream of the Ngai Tahu Farming property.
The response shows all affected properties support the proposed closure. No property is considered to be adversely affected by the proposal for the closure of the water race.

6.2. Legislation

Water race closure procedures, including public consultation requirements, are outlined in the Local Government Act 2002. In terms of this water race closure proposal, Sections 77, 78 and 82 of the Act apply. The consultation undertaken as described in Section 4 of the report is considered to adequately meet these requirements.

The discharge of a stockwater race to ground will require consent from Environment Canterbury, granted in accordance with the Resource Management Act 1991. Ngai Tahu Farming has indicated that it will lodge a consent in the name of the Waimakariri District Council for the discharge, if the race is closed.

An existing discharge to ground consent was previously obtained by Ngai Tahu Farming Limited for closure of nearby stockwater Race R1, also in the Eyrewell Forest area (CRC146860).

6.3. Community Outcomes

This proposal contributes to the following outcomes:

- There is a safe environment for all
- There is sufficient clean water to meet the needs of communities and ecosystems
STOCKWATER APPLICATION FORM

Application form to be submitted to the Council for the purpose of withdrawing water from a stockwater race or carrying out any activity requiring Council consent as set out in the Stockwater Race Bylaw 2007.

Applicant: Ngai Tahu Farming Ltd.
Address: Level 2, 15 Shotover Place, Addington

Property address for application if different from above:
Lot 5-6 DPS5821 Torlesse Rd

Phone: 0210547914
Fax: 
Email: chys.marbey@ngaitahu.govt.nz
VNZ (if known): 

Please indicate what activity you are applying for. Cross out those for which you do not wish to apply for.

1. Application to take stockwater for domestic irrigation.
2. Application to plant within 10 metres either side of a water race.
3. Application to erect a building or structures of any kind within 10 metres of a race.
4. Application to put in a pond.
5. Application to put in a culvert on a water race.
6. Application to divert a water race.

Give a brief description of the activity you are applying for:
Permanently close stockwater race at location on attached map.

Please attach more pages if required.
**FAX MESSAGE**

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You ref: DCA-21/170217015248

170221016522
STW-10
Feedback Form on Future of
Stock Water Race
Eyrewell Forest Area

(Race R1-A)

Name: [Redacted]

Signature: [Redacted]

Property Location: 608 Mawira Rd, Eyrewell

Postal Mailing Address (if different from location): R.D. Box 100, Eyrewell

Telephone (Optional): 03 5126761

Please indicate whether you would like the water race R1-A to remain-open or to close, by ticking your preferred choice below:

☐ I would like the water race R1-A to be closed.
☐ I would like the water race R1-A to remain open.

Comments:

As there have been no stock water for quite a while now, can you please look into the costs associated for stock water charges. Thank you.

Thank you for taking the time to complete this form.

[Redacted]
Our Reference: DRA-21 / 170217015248

17 February 2017

Landcorp Farming Limited
PO Box 5349
Lambton Quay
Wellington 6145

Dear Sir / Madam

West Eyreton, North Canterbury: Proposed Closure of Stock Water Race R1-A

I am writing to advise you that the Waimakariri District Council has received a request from Ngai Tahu Farming Limited to close the water race R1-A, which runs through or along your property boundary at 178 and 179 Downs Road, West Eyreton. The location of the water race R1-A is shown on the attached plan, together with nearby race R2, for context.

The Council has received an indication of consent for this closure from you or your representative via an email (copy attached).

As a part of our further investigation into this request, we now require you to formally confirm your support for the closure of the stock water race.

The closure of the water race may result in sections of the race being filled in, and would mean that your property would no longer have access to Council supplied stock water from the Race R1-A.

In particular, please confirm that:

a) You do not require the use of the R1-A stock water race for stock drinking water purposes; and

b) You would not need to use the race to augment any water storage pond on your property as an emergency water supply source during future water allocation restrictions.

Taking account of the above comments, if you continue to support the water race closure then can you please sign and date the attached form and return to me in the reply paid envelope. Alternatively, please indicate on the form if you would prefer the race to remain open. You could also email your response to janet.fraser@wmk.govt.nz. Can you please forward your response to me by Friday 17 March.

Please do not hesitate to call me on 03 311 8900 if you have any questions about this letter.

Yours faithfully

Janet Fraser
Utilities Planner

Accredited as an International "Safe Community" by the World Health Organisation Collaborating Centre on Community Safety
Feedback Form on Future of Stock Water Race
Eyrewell Forest Area

(Race R1-A)

Name: ........................................................................................................................................
Signature: ........................................ Date: 21/02/17

Property Location: 176 Downs Rd, Eyrewell Forest

Postal Mailing Address (if different from location): ............................................................
Telephone (Optional): 0277046859

Please indicate whether you would like the water race R1-A to remain open or to close, by ticking your preferred choice below:

☒ I would like the water race R1-A to be closed.
☐ I would like the water race R1-A to remain open.

Comments:

Landcorp agree to close the R1-A race, however we do not agree to pay any costs associated to this closure.

Landcorp is accepting of other parties position that the race remains open. This is not a high priority for us.

Thank you for taking the time to complete this form.

170217015076
Hi Rhys,

No I don't think we do, shutting it down shouldn't be an issue.

Cheers

From: Rhys Narbey [mailto:Rhys.Narbey@ngaitahu.iwi.nz]
Sent: Friday, 4 November 2016 1:22 p.m.
To: Fintan Phillipps <philippss@landcorp.co.nz>
Subject: RE: MOU NTF & LFL Oftake

Thanks Fin,

Will come back to you over next couple of weeks.

On another note; does LC require use of the stockwater race that runs through your Eyrewell Farm? Users downstream (Spencer-Bowers) have no further use for it so if LC also have no use either we will look to discontinue it.

Thanks
Rhys

From: Fintan Phillipps [mailto:philippss@landcorp.co.nz]
Sent: Friday, 4 November 2016 1:08 p.m.
To: Rhys Narbey
Subject: MOU NTF & LFL Oftake

Hi Rhys,

See attached MOU for the offtake at Puyritus Rd, please have a read over it and come back to me with any questions.

Once all is agreed we can get a counter sign the document, I will forward a copy to WIU once that has been completed for their records also.

Regards

Fintan Phillipps
Senior Business Manager
South Island - Dairy
15 Allen St, Wellington
Ph 04 382 1823
Cell 027 704 6859
www.landcorp.co.nz
<< image001.jpg@01D238F8.B6C40430 >>
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Hey Guys

Sorry about the late reply, Have talked with sharemilker and we are all good to stop the race now. I will contact Russ from WIL and let him know too.

Cheers Pete

---

On 27/10/2016, at 4:22 pm, Sam Spencer-Bower <samsb@xtra.co.nz> wrote:

Hey Narbs

This is a note from us to say we don’t need the water race anymore that runs along Thongcaster road (entering our place at Downs Road)
I understand that Peter S-B down-stream from us is the last user & they don’t need the race anymore either.
Pete can you confirm please.

Cheers, Sam
Our Reference: DRA-21 / 170221016637

22 February 2017

Mr Mike Vincent
Heritage New Zealand
PO Box 2629
Wellington 6140

Dear Mike

Waimakariri District Council: Proposed Closure of Stock Water Race near West Eyreton

I am writing to advise you that the Waimakariri District Council has received a request from Ngai Tahu Farming Limited to close a stock water race (race R1-A) which is a part of the Waimakariri District Stock Water Race network.

The stock water race system is generally located in an area south of and between Rangiora and Oxford in North Canterbury. The race proposed for closure is located near West Eyreton. The location of the water race R1-A is shown on the attached plans.

Approval for the race closure has been received from each of the three property owners located downstream of the Ngai Tahu farming operation which receive a supply of stock water from the R1-A race. Therefore there are no private properties which are considered to be adversely affected by the closure.

The Council's Stock Water Race - Closure Policy sets out consultation requirements for closure of a stock water race. The policy recommends that, together with affected private property owners, consultation be undertaken with Heritage New Zealand as an affected party.

We note the water race network is a historic feature of the Waimakariri District. The stock water races were originally developed in the late 1890's and early 1900's. The races have continued to supply stock water to rural properties in the district from the 1890's until present.

The stock water race system has in recent years been overlaid with an irrigation system which also extracts water from the Waimakariri River. The irrigation system began operating in the summer of 1999 – 2000, using infrastructure from the stock water race network. The combined stock water race system and irrigation system service an area of approximately 40,000 hectares on the upper Waimakariri-Ashley Plain (see attached plans), and now actively irrigate an area of about 18,000 hectares.

There are no known significant historic features within the area of the race network that is proposed for closure. For instance, there are no identified historic intake structures, tunnels, large culverts or other significant landmarks on the portion of the network that is proposed to close. The proposed closure affects the lower portion of a branch of the water race network.

With the advent of improved water storage facilities and irrigation, together with development of alternative water supplies from groundwater, the stock water race network has become a relatively less reliable source of stock water for some of the serviced properties. Areas of the
network are being rationalised in accordance with the changing demand for stock water, as is indicated in the proposed closure request.

The closure of the water race may result in sections of the race being filled in. This would reduce the historic spatial extent and footprint of the water race network. The proposed closure supports the change of land-use surrounding the race from widespread forestry to dairy farming.

We understand there are management and operating benefits to the applicant and downstream properties of ceasing the supply of stock water and filling in the water race.

Can you please advise if you have any concerns with the water race closure on or before **Friday 17 March**, so that the Council can continue to process the race closure application.

Please do not hesitate to call me on 03 311 8900 if you have any questions about this letter.

Yours faithfully

Janet Fraser
Utilities Planner
3 March 2017

Janet Fraser
Utilities Planner
Waimakariri District Council
Private Bag 1005
Rangiora 7410

Dear Janet

WAIMAKARIRI DISTRICT COUNCIL: PROPOSED CLOSURE OF STOCK WATER RACE NEAR WEST EYRETON

1. Thank you for contacting Heritage New Zealand Pouhere Taonga regarding the request from Ngai Tahu Farming Limited to close stock water race R1-A. Heritage New Zealand Pouhere Taonga is an autonomous Crown Entity with statutory responsibility under the Heritage New Zealand Pouhere Taonga Act 2014 (HNZPTA) for the identification, protection, preservation and conservation of New Zealand's historical and cultural heritage.

2. Stock water race R1-A forms part of the Waimakariri District Stock Water Race Network. Its construction is known to have spanned both the nineteenth and twentieth century. As identified in your letter, dated 22 February 2017, the proposal to close the water race may result in sections of the water race being filling in. As such this proposal has the potential to affect archaeological sites.

3. Under section 6 of the HNZPTA, an archaeological site is defined as a place associated with pre-1900 human activity, where there may be evidence relating to the history of New Zealand.

4. Heritage New Zealand recommends that the applicant commissions an archaeological assessment by a professionally qualified archaeologist to determine the archaeological values of the site. We recommend that this assessment is undertaken prior to giving support to the proposal.

5. Without an archaeological assessment, Heritage New Zealand and the Council cannot understand what adverse effects there may be on archaeological resources and how they may be avoided or mitigated. Upon receipt of the archaeological assessment Heritage New Zealand will make further comments.

6. If you require further information about the archaeological assessment process or the requirements of the HNZPTA, please contact Frank van der Heijden on 03 363 1884.

Yours sincerely

[Signature]
Mike Vincent
Heritage Advisor Planning
NZAA SITE NUMBER: M35/1821
SITE TYPE: Agricultural/pastoral

SITE COORDINATES (NZTM) Easting: 1540835
Northing: 5191436
Source: On Screen

IMPERIAL SITE NUMBER: METRIC SITE NUMBER: M35/1821

Finding aids to the location of the site
Eyrewell Forest, Canterbury. Runs along the south side of Barrell Road (now closed) between Wrights Road and Norr Road where it diverts to the north and continues eastward as far as Russell Road.

Brief description

Recorded features
Water race

Other sites associated with this site
### SITE RECORD HISTORY

| NZAA SITE NUMBER: M35/1821 |

<table>
<thead>
<tr>
<th>Site description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Updated 22/03/2017 (Field visit), submitted by kirsawebb, visited 22/03/2017 by Webb, Kirsae</td>
</tr>
<tr>
<td>Grid reference (E1540835 / N5191436)</td>
</tr>
</tbody>
</table>

The land through which the water race runs was originally taken up as part of the Eyrewell pastoral run which included Runs 83, 83 and later 84 located between the Waimakariri and Eyre Rivers. The Run was taken up in 1853 by Marmaduke Dixon. The first homestead, known as 'The Hermitage', was located at the south end of the run near the Waimakariri River. Having not obtained a reliable source of water the homestead was moved to the north side of the run, near the Eyre River. The new homestead became a popular watering stop for travellers and came to be known as 'Eyrewell'. In 1869 the Eyrewell property was given to the Midland Railway Company and Dixon decided to purchase the freehold title to nearly 33,000 acres (Auckland 1975, Ashburton Guardian 31/12/1891).

In 1891 Marmaduke Dixon began experimenting with irrigation in order to improve the marginal manuka scrub that covered much of his land. Dixon, along with his son, also named Marmaduke, surveyed and dug a main water race, 25 foot wide and 2-3 feet deep, from the Waimakariri River, and a series of distributing water races 250 chains (5 km) in total length. This work took about 3 months to complete (Press 28/12/1891:4).

After witnessing the success of Dixon's irrigation scheme the Waimakariri-Ashley Water Supply Board was established in order to irrigate the Waimakariri and Ashley counties and supply water to Rangiora. After much argument about the location of the headworks the main race was surveyed in 1895, with the headworks located at Brown's Rock, approximately 3 km downstream of the Waimakariri River. The main water race was opened with much fanfare in November 1896 (Star 19/11/1896: 3). Although the distributing races, of which the no. 5 water race (aka Powell's race) was one, had yet to be constructed when the main race was opened, it is almost certain that they were constructed shortly after this (LINZ 1911, DP 3020, 3119). This water race is now identified by the Waimakariri District Council as R1-A.

Ngāi Tahu Farming, the owners of part of the land through which the water race runs, are planning to discontinue the race and back-fill it.

A site visit was undertaken by K. Webb on 22 March 2017 to inspect the water race. The extent of the race that is proposed to be filled in was inspected. Average measurements were taken at intervals along its length and it was photographed. The race measured between 1500 and 1700 mm wide and varied in depth between 300 and 600 mm. At the time of the site visit there was water running through it. The parts of the water race outside of the section proposed for closure were not inspected. Photos from the site visit are attached.

### Condition of the site

Updated 22/03/2017 (Field visit), submitted by kirsawebb, visited 22/03/2017 by Webb, Kirsae

Much of the water race is still in use and has remained largely unmodified since it was constructed. It has, however, been truncated at each end where it has been obliterated by the construction of dairy farm pasture.

### Statement of condition

Current land use:

Threats:
NEW ZEALAND ARCHAEOLOGICAL ASSOCIATION

<table>
<thead>
<tr>
<th>SITE RECORD INVENTORY</th>
<th>NZAA SITE NUMBER: M35/1821</th>
</tr>
</thead>
</table>

Supporting documentation held in ArchSite
Figure 1. The western extent of the part of the water race to be decommissioned, looking east from Torlesse Road. The now closed Barrett Road is to the left. The average width at this point is 1500 mm and depth is about 300-400 mm.
Site visit, K. Webb 22 March 2017

Figure 2. The point where the water race diverges to the northeast away from Barrett Road. The water race crosses Barrett Road, which is a 20th century road, in a concrete culvert.
Figure 3. The eastern extent of the part of the water race that is to be decommissioned, looking west from Horrell Road. Part of the race has been excavated out here because of flooding. The maximum width of the unmodified race at this point is 2700 mm but the depth could not be measured because of weed growth.
Mr Marsden Dixo's, of Eyrewell Station, near West Eyrewell, has for some time contemplated the promotion of an irrigation system for the placing of water from the main branch of the Waimakariri on the plains of the country on which there are some thousands of acres almost profitless in the West Eyrewell division. This gentleman having recently concluded the terms for purchase of 35,000 acres from the Midland Railway Company, at the low price of $4.50 per acre, decided upon putting his plan into force. At the upper part of the block of land referred to, on the opposite side of the Waimakariri, are situate the protective works of the South Waimakariri Road Board of Conservators, and these have the effect of abating the force of the current towards a high bank on Mr Dixon's land. It is on this that he has formed the intake, and commenced the initial parts of a general system of irrigation.

Yesterday persons were invited to inspect the new venture made by a private individual to carry out an extensive plan for irrigating a barren region. Our representative, accompanied by an old friend in journalistic circles, was met by the owner of Eyrewell, a pair horse and buggy, and driven across to the point referred to. This is five miles from the Eyrewell homestead. A short time was spent in examining the plans and levels of the works, as well as in coming over a number of weather charts, which are daily made by Mr Dixon for his own observation, and together with the field notes and records extend to a total length of 250 chains, made by hinging and ploughing, the whole of the work being done either by the plough or scythe. The work was undertaken to be about $2,000 for the whole work. The fall in the smaller or branch race is about 15 in 4 chains, and no scour has as yet taken place.

Within a few days the water has been turned on a large area which has been saturated with water, including a late crop of oats, which has been wonderfully improved. It is proposed to spread clover seed and cause a growth among the manuka, which will be largely aided by the quantity of silt brought from the river whenever it is in flood. From its passage the land, which is of a rich chocolate colour when moistened, was formerly be broken up and set out in convenient farms, which should in ordinary seasons yield crops of wheat to the extent of 30 bushels per acre and root crops of very luxurious growth. A full inspection was made of the country, and every person present was able to fully congratulate Mr Dixon upon his enterprise. It would not be surprising in a year or two to witness an entire change in the appearance of this manuka country. Some of the neighbours expressed fears that the overflow might cause them damage, but as the supply is closely regulated the outfall water need not fill a tea cup; moreover, many of the scars of adhering deposits will ere long be found making openings to Mr Dixon, who holds the key of the situation, for some of the water which he is in a position to supply from the practically inexhaustible big cold river. The underground drainage has already been improved, some of the dig wells on the property being raised about 50 ft.

A lunch was provided by Mr and the Misses Dixon for all who were present at the inspection of the Eyrewell irrigation system, and their thoughtful hospitality was much appreciated.
Form B
Application for a General Archaeological Authority for a site where the effect will be no more than minor

This form is for a general authority where the effect on the archaeological site will be no more than minor. For example, a proposed driveway will clip the side of an archaeological site, affecting only a very small portion of the site. The archaeological site must be a recorded site (i.e. the site must be known to be present not just suspected, and it must have been recorded in the national inventory of archaeological sites (see accompanying Guide B for further instructions).

Stage 1: Pre-Application
It is recommended that you undertake pre-application discussions with Heritage New Zealand Pouhere Taonga during the planning stages of your project, prior to submitting this form (see accompanying Guide B for contact details). This will ensure that the process will run as smoothly as possible. It is also recommended that during consultation with Tangata Whenua or Moriori (Chatham Islands), cultural protocols are established and agreed upon to ensure all parties are aware of what is expected on site while the proposed works are taking place.

Stage 2: Completing the Form
Accompanying this form is Guide B which contains information to assist in its completion. A checklist can also be found at the back of this form to ensure all required information has been provided.

Stage 3: Submitting the Form
This form plus any accompanying pages and reports may be received in electronic or hard copy format. Electronic applications must be legible, and maps and plans provided in colour at a minimum of 400dpi. Emailed electronic applications must be no larger than 10MB. Hard copy applications can be posted to the relevant Heritage New Zealand Pouhere Taonga office (see accompanying Guide A for details).

Stage 4: What Happens Next?
You will be informed in writing within five working days from receipt at the relevant Heritage New Zealand Pouhere Taonga office as to whether your application has been accepted.

Please direct any enquiries to the relevant Heritage New Zealand Pouhere Taonga office, who are here to help (see the accompanying Guide B for contact details).

There is no fee associated with Heritage New Zealand Pouhere Taonga processing your authority application.

Please note that once an authority is issued, it is subject to a 15 working day appeal period (plus three working days to allow receipt by all parties if sent by post), during which time the authority cannot be exercised.

If you are the owner of the land to which this authority relates, you are required to advise any successor in title that this authority applies in relation to the land. This will ensure that any new owner is made aware of their responsibility in regard to the Act.

This application is a legal document and is subject to the Official Information Act 1992.
SECTION A: APPLICATION SUMMARY

A.1. Contact Details
A.1.1 Contact Details of Applicant
Name: Rhys Narbey
Address: Ngai Tahu Farming
Level 2, 15 Shade Pl.
Addington, Christchurch
Daytime phone: 
Mobile: 021 054 79 
Postcode: 
Email: rhys.narbey@ngaitahu.iwi
Mailing Address: (If different from above)
Mailing Address: 
Postcode: 
☐ Tick if you would also like the authority decision to be posted to you.

A.1.2 Contact Details of Contact Person (if not the applicant)
Name: 
Address: 
Daytime phone: 
Mobile: 
Postcode: 
Email: 
Mailing Address: (If different from above)
Mailing Address: 
Postcode: 

A.2. Location Details
A.2.1 The address/location to which the application relates is: 200 Poyntz Road, Eryrewell Forest-Cust

A.2.2 Legal description (e.g. Lot and DP numbers) and CT number if available (provide location plan):
Lot 5 DP 55821

A.2.3 The Local Authority within whose boundaries this application falls (e.g. Dunedin City Council):
Waimakariri District Council

A.2.4 Have any authorities been granted for the proposed areas of works in the past? ☐ Yes ☐ No
If yes, please list relevant authority numbers (contact the relevant Heritage New Zealand Pouhere Taonga office assistance is required (See the accompanying Guide B for contact details):
A.2.5 Does the land lie within a:

☐ Statutory acknowledgement area? Yes ☐ No
☐ Customary marine title? Yes ☐ No

A.2.6 Indicate if any of the following apply to the land under application:

☐ NZ Heritage List entry (previously the NZ Historic Places Trust Register) (If yes, provide details below)
☐ Covenant or Orders (If yes, provide details below)
☐ District plan schedule (If yes, provide details below)
☐ Reserve status (If yes, provide details below)
☐ Other (If yes, provide details below)

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A.3. Details of archaeological sites to be affected. The relevant New Zealand Archaeological site record forms must be provided with this form.

<table>
<thead>
<tr>
<th>NZAA Archaeological Site Number</th>
<th>Site Name (If Known)</th>
<th>Site Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>M35/1821</td>
<td></td>
<td>Agricultural/pastoral</td>
</tr>
</tbody>
</table>

A.4. Description of Proposed Activity

A.4.1 Provide a full description of proposed activity, including a statement on what you are trying to achieve for your project. Plans, drawings, engineering specifications and/or photographs must accompany the application. Note that plans must show the proposed activity in relation to the archaeological site that is to be affected.

The applicant proposes to decommission part of a 19th century water race by filling it in. See attached plans for the part of the water race to be decommissioned.
A.4.2. Provide an explanation as to why you think the proposed activity will have an effect on an archaeological site no more than minor.

As the water race is being filled in it will, in effect, remain below the ground surface. Parts of the water race on land not owned by the applicant, will remain in situ.

A.5. Heritage New Zealand Pouhere Taonga encourages avoidance and site protection in the first instance. State what alternatives have been explored and, in cases where avoidance is not deemed possible, provide an explanation as to why this is the case and how the known impacts will be offset.

The impacts of the proposal will be mitigated by recording the water race, using archaeological methods prior to it being decommissioned.
SECTION B: CONSULTATION

B.1. Has consultation been undertaken with the following parties?

Tangata Whenua or Moriori (Chatham Islands) ☐ Yes ☑ No

Landowner ☑ Yes ☐ No

Any other person likely to be affected ☐ Yes ☑ No ☐ N/A

If you have selected no to any of these, provide an explanation as to why this is the case:

The area though which the water race runs has no known Maori occupation history.

B.2. Consultation with Tangata Whenua or Moriori (Chatham Islands). This is mandatory of sites of interest to Maori or Moriori (Chatham Islands).

Contact Details:

Iwi/Ihapu: ____________________________________________

Contact name: ____________________________________________

Address: ____________________________________________

Daytime phone: ____________________________________________

Mobile: ____________________________________________

Postcode: ____________________________________________

Email: ____________________________________________

Provide details of the consultation undertaken, including the views and the tenor of these views. This may take the form of a Cultural Values Impact Assessment provided by Tangata Whenua or Moriori (Chatham Islands).

You must also provide an assessment of the Tangata Whenua or Moriori (Chatham Islands) values of the archaeological site and the effect of the proposed activity on those values.

This information can be provided below, or attached as separate documents to the application form when submitted.
B.3. Consultation with Landowner (if not the applicant)

Contact Details:

Contact name: 
Address: 
Daytime phone: 
Mobile: 
Postcode: 
Email: 

Provide details on the consultation undertaken, including the views and the tenor of these views. Also indicate the extent to which the protection of the archaeological site prevents or restricts the reasonable future use of the site. This information can be below, or attached as separate documents to the application form when submitted.

B.4. Consultation with any other person likely to be affected

Contact Details:

Group/Organisation (where appropriate): 
Contact name: 
Address: 
Daytime phone: 
Mobile: 
Postcode: 
Email: 

Provide details of the consultation undertaken, including the views and the tenor of these views. This information can be below, or attached as separate documents to the application form when submitted.
SECTION C: LANDOWNER CONSENT

Obtaining consent of all landowners is a legal requirement. It is preferred that consent is obtained as part of application however it can be provided after the authority is issued. Please note however that consent must obtained prior to any works being carried out.

I (please print name) Rhys Narbey hereby acknowledge:

1) That I have read and understood the description of proposed activity included in this application and I acknowledge any Implications the activity may have on me and my land
2) That I have been consulted regarding the proposed activity and give my consent to the activity being carried
3) That I have read and understood the information on legal responsibilities concerning archaeological material provided in the accompanying Guide B.

Signature of landowner: 
Date: 24/3/17

SECTION D: APPLICANT’S DECLARATION

I (please print name) Rhys Narbey hereby acknowledge:

1) That all the Information provided with this application is true and correct to the best of my knowledge
2) That I have read and understood the description of proposed activity included in this application and I will inform Heritage New Zealand Pouhere Taonga about any changes to the proposed activity while the application is being considered
3) That I accept the responsibilities complicit with being an authority holder, including being liable for the completion of all authority conditions and any monetary cost this will entail, including cost for analysis of archaeological material recovered and the dissemination of the data in report form.
4) I confirm to the best of my ability that the cost of the archaeological programme associated with these proposed works will not exceed $100,000. Please note that the approval of Heritage New Zealand Pouhere Taonga’s Board will need to be sought if the programme is to exceed this figure.

If the archaeological programme is likely to exceed $100,000 please check this box: 

Signature of applicant: Rhys Narbey
(Date: 24/3/17)
CHECKLIST

Your application can not be considered until each section is completed, the attachments provided, and the application is signed and dated.

Have you:

☑ Completed each section?
☐ Attached a location plan? (Section A.2.1)
☐ Attached details of statutory acknowledgement area or customary marine title, if relevant? (Section A.2.1)
☐ Attached a copy of the relevant New Zealand Archaeological Association site record form? (Section A.2.1)
☐ Attached plans, drawings, engineering specifications and/or photographs of the proposed activity (if not already included in the archaeological assessment report)? (Section A.4.1)
☐ Ensured that at least one of these plans show the proposed activity in relation to the archaeological site to be affected? (Section A.4.1)
☐ Provided names and contact details of Tangata Whenua or Mori (Chatham Islands), details of consultation undertaken and an assessment of Mori Mori (or Mori Mori) values? (Section B.2)
☐ Provided names and contact details of landowner, and details of consultation undertaken? (Section B.3)
☐ Provided names and contact details of any other person likely to be affected, and details of consultation undertaken? (Section B.4)
☐ Ensured that signatures have been provided for Sections C and D?
Form E
Application for Approval or Change of Archaeologist

This form is to be used for the approval or change of an archaeologist to undertake work associated with an archaeological authority.

Section 45 of the Heritage New Zealand Pouhere Taonga Act 2014, states that an applicant must apply to Heritage New Zealand Pouhere Taonga for approval of any person nominated to undertake the activity under an authority. This person must not be approved unless Heritage New Zealand Pouhere Taonga is satisfied that the person:

1) has sufficient skill and competency, is fully capable of ensuring that the proposed activity is carried out to the satisfaction of Heritage New Zealand Pouhere Taonga; and has appropriate access to institutional and professional support and resources; and

2) in the case of a site of interest to Maori:
   a. has the requisite competencies for recognising and respecting Maori values; and
   b. has access to appropriate cultural support.

Heritage New Zealand Pouhere Taonga Guideline Series No. 5 Guideline for Section 45 Approval (2014) describes the requirements that the specified archaeologist must meet in order to be approved by Heritage New Zealand Pouhere Taonga to undertake an activity under an authority (see www.Heritage.org.nz).

Approval is decided on a case by case basis.

Please note that when section 45 approval is granted separate to the archaeological authority decision, a 15 working day appeal period applies (plus three working days to allow receipt by all parties if sent by post), during which time the authority cannot be exercised. This includes instances when the archaeologist is changed part-way through a project.

A list of available archaeological consultants can be found at www.nzarchaeology.org. Inclusion on this list does not imply that the consultant meets the criteria to be an approved archaeologist under section 45 of the Act for a particular application. Some types of work (e.g., buildings archaeology) may require specialist skills – ensure your consultant has the right skills.

This application is a legal document and is therefore subject to the Official Information Act 1982. All information once received by Heritage New Zealand Pouhere Taonga is public information and may be subject to a request.
Form E  
Application for Approval or Change of Archaeologist

SECTION A: ARCHAEOLOGIST’S DETAILS

<table>
<thead>
<tr>
<th>Name:</th>
<th>Katharine Watson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>P.O. Box 388 Christchurch</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:katharine.watson@underoverarch.co.nz">katharine.watson@underoverarch.co.nz</a></td>
</tr>
<tr>
<td>Daytime phone:</td>
<td></td>
</tr>
<tr>
<td>Mobile:</td>
<td>0276663985</td>
</tr>
<tr>
<td>Postcode:</td>
<td>8140</td>
</tr>
<tr>
<td>Mailing Address:</td>
<td></td>
</tr>
<tr>
<td>Mailing Address (if different from above):</td>
<td></td>
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</tbody>
</table>

Tick if you would also like the decision to be posted to you.

SECTION B: ARCHAEOLOGIST’S DECLARATION

1. (please print name) Katharine Watson hereby acknowledge:

1) That I understand that I am legally responsible for current archaeological practice in respect of the Archaeological Authority for which this approval is granted.

2) That I meet the criteria required to be an approved archaeologist under section 45 of the Heritage New Zealand Pouhere Taonga Act 2014. This includes providing evidence of my sufficient skill and competency in relation to Maori values, access to appropriate cultural support and access to appropriate institutional and professional support and resources.

Signature of Archaeologist: Katharine Watson  
Digitally signed by Katharine Watson  
Date: 2016.05.23 14:43:11 +12'00'

SECTION C: APPLICANT’S DECLARATION

1. (please print name) Grey Naseby (Ngai Tahu Family) hereby acknowledge:

1) That all the information provided with this application is true and correct to the best of my knowledge.

2) That I have ensured all information relevant to the proposed works has been made available to the specified archaeologist.

Signature of Applicant: 
Date: 24/11/17
JOINT MEETING TE NGĀI TŪĀHURIRI RŪNANGA AND WAIMAKARIRI DISTRICT COUNCIL REPRESENTATIVES

NOTES OF A MEETING HELD IN THE
RAKAHURI COMMITTEE ROOMS, WAIMAKARIRI DISTRICT COUNCIL, RANGIORA
ON THURSDAY 16 FEBRUARY 2017 AT 10.06AM

<table>
<thead>
<tr>
<th>Purpose</th>
</tr>
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<tbody>
<tr>
<td>• To ensure that issues of interest to both parties are raised and discussed in a timely manner.</td>
</tr>
<tr>
<td>• To provide a decision-making forum for issues to be progressed and reported on.</td>
</tr>
<tr>
<td>• To ensure the development of an effective partnership between the Rūnanga and the Council.</td>
</tr>
<tr>
<td>• To promote better long-term community outcomes.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clare Williams and Tania Wati (Te Ngāi Tūāhuriri Rūnanga)</td>
</tr>
<tr>
<td>Amy Beran (Mahaanui Kurataiao Ltd)</td>
</tr>
<tr>
<td>Simon Markham and Louise Courtney (Waimakariri District Council)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>In Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matt McIlraith (Communications and Engagement Manager), Veronica Spittal, Dan Huisman, Ruben Garcia, Mark O’Connell, Grant Reburn, Kalley Simpson (3 Waters Manager).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simon Markham</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Apologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Ayers, Hoana Burgman, and Jim Palmer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Notes/Action Points</th>
<th>Resp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Actions from 16 June 2016 meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1. Townsend Road stormwater</td>
<td>A formal response will be issued from MKT.</td>
<td>Amy</td>
</tr>
<tr>
<td></td>
<td>This item can now be CLOSED</td>
<td></td>
</tr>
<tr>
<td>1.2. Presses Road</td>
<td>There was a query whether the stumps have been removed or not with concern regarding further ground disturbance as the area is of high cultural significance to the Te Ngai Tūāhuriri. Will need to follow up and report back to MKT.</td>
<td>Ken</td>
</tr>
<tr>
<td></td>
<td>18 August 2016</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Simon advised that there was an action item for him to provide Amy information regarding the stumps on Presses Road.</td>
<td>Ken</td>
</tr>
<tr>
<td></td>
<td>16 February 2017</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Simon advised the Roading Manager followed up the matter and found the trees were on private land and not a road reserve.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>This item can now be CLOSED</td>
<td></td>
</tr>
<tr>
<td>1.3. MKT Projects update</td>
<td>Simon queried the notification of resource consents to MKT. Amy stated that a spreadsheet is received noting the consent number and few details. Simon will follow up on more detailed information being provided to MKT.</td>
<td>Simon</td>
</tr>
</tbody>
</table>
JOINT MEETING TE NGĀI TŪĀHURIRI RŪNANGA AND WAIMAKARIRI DISTRICT COUNCIL REPRESENTATIVES

Kalley advised staff were seeking consents to the five main urban areas in the Waimakariri being Rangiura, Pegasus, Kaloa, Woodend and Oxford. All areas will require Stormwater Management Plans.

Tania queried the timeframe. Kalley advised that staff to have submitted on all five towns by the end of 2018. Janet added that staff were still working on the proposals before they were considered by the Rūnanga and EC and required a CIA from the Rūnanga. The submission for Rangiura would help inform what would be required for the other SMPS.

6.3. Kalapo River Rehabilitation Working Party

Draft consultation documents and maps were tabled with community consultation soon to be carried out.

Kalley advised the working party’s current Rūnanga representative has had to resign due health reasons. Staff are seeking recommendations from the Rūnanga for someone to fill the vacancy. Tania advised that as Amy is already on the working party as the MKT representative, then she could also act as the Rūnanga representative.

The proposal is to develop sediment traps from the Mapaking Bridge to the Mardle Bridge, and staff need to get public reaction to these proposals.

The current plant trials are proving successful. Staff require a CIA.

Janet enquired whether the Rūnanga would be able to assist with a Maori title for use in the consultation material. Amy will follow this up.

S Markham queried the timing. Janet replied consultation would occur in April 2017. She added that the working party had already approved the consultation material but sought comment from the Rūnanga representatives and whether the Rūnanga and MKT wanted their logos on consultation material. This is to be followed up with Amy.

6.4. Proposed Water Race Closures

See attached.

Regarding the Oxford Road South Water Race, it was clarified that the water race would no longer discharge into the Northbrook.

Regarding the Eyrewell Forest Water Race R1-A Tania noted it came from Ngai Tahu, querying why did come through MKT first. Kalley advised that staff followed Council policy and treated Ngai Tahu as they would any other person/group in the same circumstance. Tania had no issue with the Council’s process, but MKT would have appreciated some communication on the matter as part of their ongoing relationship with Ngai Tahu.

7. Wastewater

7.1. Central Rangiura Trink Sewer Upgrade Update

See attached.

7.2. Rangiura WWTP Upgrade Update

See attached.

7.3. Woodend WWTP Upgrade Update

See attached.

It was noted that the desludging would be carried out in the 2017/2018 financial year.

Tania asked what happened to any dead Pukeko found, as local weavers would utilise the feathers. Kalley advised there was currently no system in place for dealing with dead Pukeko.
WAIMAKARIKI WATER RACE ADVISORY GROUP
MINUTES OF THE MEETING HELD ON THURSDAY 30 MARCH 2017, 7:30PM
IN THE WAIMAKARIKI DISTRICT COUNCIL’S OXFORD TOWN HALL

PRESENT: Joe Boulton, Brian Judson, Greg-Bennett (WDC), Jamie Hamilton (WIL), Owen Davies (WDC), Cllr. Sandra Stewart, Margaret Spencer-Bower, Keith Vallance, Denise Clark (Minute Secretary)

1. APOLOGIES

An apology was received from Les Inch, Tim Stokes, Greg Bennett. Change in committee members this term sees the resignation of Joe Boulton and our new Councillor on board is Sandra Stewart.

MOVED: Keith Vallance / Joe Boulton

That the apologies be received. Carried

2. CONFIRMATION OF MINUTES

That the Waimakariri Water Race Advisory Group

- Confirms as a true and correct record the minutes of the meeting held of the Waimak Water Race Advisory Group on Thursday 21 July 2016 with the exception of the following amendment.

Amendment:
- A correction was made to the previous minutes as follows:
  - It was noted that the date was incorrect on the previous minutes and read 22 July 20
    instead of 21 July 2016.

MOVED: Brian Judson / Joe Boulton

Carried

3. VOTE FOR A NEW CHAIRPERSON

A nomination has been put forward for Tim Stokes however as he is absent from this meeting Owen will contact Tim and ask for his acceptance. Owen will confirm with members at next meeting.

4. MATTERS ARISING

- An anomaly of $21,000 in the financial statement was noted, Greg said utilities pay rate which is set on the valuation of assets in Road Corridors. Council collects the rates. Irrigation rates were exempt until last year which hasn’t been budgeted for the last financial year. A lump sum transfer was done in June. Irrigation NZ have gone to the Valuation General to protest this.
  - Greg will check with Finance to see if the rates will come back into this Water Race account rather than the General account as Greg was told previously.
  - Owen has not caught up with Finance but noted that the new figure has risen to $28

5. WAIMAKARIKI IRRIGATION LTD REPORT

- WIL Report was presented by Jamie Hamilton:
  - It has been a favourable season with rivers being full due to the amount of rainfall.
  - Last month we were on water restrictions however there has not been a lot of demand water at the moment with the amount of rain we are now experiencing.
6. **FINANCIAL REPORT**

A Financial Report to February 2017 was tabled:
- Margaret asked what are the external recoveries? **Owen will find out for next meeting**
- To date the budget is looking good we have spent 70% of the budget so far this financial year.

7. **GENERAL BUSINESS**

- Proposal to close two races.

1. **Race R3N-1 Oxford Road race closure at the top of the North Brook.**
   - Most people are in favour of closing this race.
   - There is not a constant flow down here and it is not spring water.
   - Margaret queried if some people want to keep it open, then do we need to keep it open? Owen said as there are more people who want to close it, then we would recommend closing the Race.
   - WDC is asking this group to provide feedback to go to Council.
   - Margaret would support closing the race as the race now runs through mainly residential properties.
   - Is it wise to fill the drain in? Owen said we would write to everyone affected and tell them if they want to fill the drain in when closed, then they must talk to Council first.

2. **Proposed Closure of Stock Water Race R1-A**
   - Margaret has a vested interest in this particular closure as the race runs through her property.
   - All users of this Water Race have given consent to close the race.
   - Margaret said she hasn’t had any water come through Ngai Tahu property for at least 6 months.
   - Joe said we need to be very careful we don’t end up with a system that isn’t viable or we start closing races when people request it.
   - Keith said if it’s not being used, it may as well be closed.
   - Joe wants to wait for the other two absentee members to be present before a conclusion is reached. **Owen has sought to contact absentee committee members requested during the meeting. No further objection was raised from Tim Stokes.**
   - Silverstream has been identified as an area with pollutants in the catchment. WIL are working with Ecan at the moment to look at ways to flush out the. The closure of this race could mean the water could potentially be used to flush out the Silverstream.
   - The ratepayers who will lose the use of the race will stop paying a stockwater rate. Owen said the closure of the race would not affect anyone else’s rates.
   - Margaret said she would like to have the races remain in place even when/if closer help in the event of a flood in the future.
o Keith Vallance mentioned Lily Road has had some people drive through the water race and have caused a huge mess.

8. **MEETING DATES**

- Next Meeting Thursday 20th July at the Oxford Town Hall. The final meeting for this year is proposed for 2nd November.
- Please keep Thursday 18th May free for the Annual Drainage Groups get together in Rangiora Council Chambers.

*There being no further Business, the meeting was declared closed at 9.00 pm*
Memo

Date: 8 June 2017
To: Owen Davies and Janet Fraser (Waimakariri District Council)
CC: Rachel McClung (Waimakariri District Council), Murray Griffin, Andrew Arps, Alastair Picken, Zeb Etheridge
From: Matt Dodson

Closure of Stock Water Race R1-A in the Eyrewell Forest Area

Conclusion

Closing the Stock Water Race R1-A, in the Eyrewell Forest Area, is unlikely to reduce groundwater water levels, flows in down-gradient spring-fed streams or nitrate concentrations in surface and groundwater. This conclusion is based on discussions with Waimakariri Irrigation Limited racemen who tell us that Stock Water Race R1-A does not appear to lose much water to ground. Additionally I note that under the ‘proposed new design’ for the stock water race a soak pit will be built at the end of the system which means there will still be water getting into the ground – albeit in a different location from where it is currently occurring.

At this stage, I cannot determine if Stock Water Race R1-A could or would be used in any Managed Aquifer Recharge trial. However, I am mindful that if Managed Aquifer Recharge trial is required in the general area where Stock Water Race R1-A is currently located then the cost of developing this infrastructure will fall to the landowner as it is their responsibility to farm to the limits imposed via a regional plan.

Background

Managed Aquifer Recharge is an internationally utilised method, which is often employed to support stream flows and aquifer storage, by deliberately allowing water to infiltrate (recharge) into the ground. Managed Aquifer Recharge is an ‘active’ water resource technique that requires a sound understanding of the system so that it can be designed to address specific issue/s, while attempting to mitigate unintended consequences (such as flooding). It is one of the ‘tools’ being discussed as a potential solution to some of the water resource issues facing the Waimakariri District as a part of the Waimakariri land and water solutions programme¹ (waimakariri-water.nz).

¹ The Waimakariri land and water solutions programme aims to deliver on the Waimakariri Water Zone Committees community outcomes. Waimakariri Water Zone Committee is a joint committee of Environment Canterbury and Waimakariri District Council, initiated as a part of the Canterbury Water Management Strategy (see Canterbury Water Management Strategy).
On 18 April 2017, the Waimakariri District Council’s Utilities and Roading Committee was presented with a report on closing Stock Water Race R1-A in the Eyrewell Forest Area. The Committee, being aware that Managed Aquifer Recharge is being discussed as part of the Waimakariri land and water solutions programme, asked Waimakariri District Council staff to discuss this issue with Environment Canterbury staff.

On 19 April 2017, Rachel McIlung (Senior Policy Analyst, Waimakariri District Council) as a member of the Core Project Team of the Waimakariri land and water solutions programme, raised this issue with Environment Canterbury staff.

Sometime after 19 April 2017, Zeb Etheridge called the Waimakariri Irrigation Limited raceman to discuss this issue. During this conversation the Waimakariri Irrigation Limited raceman said that in their opinion the race did not lose much water to ground. For this reason, I believe the closure of Stock Water Race R1-A will not reduce groundwater water levels, flows in down gradient spring-fed streams or nitrate concentrations in surface and groundwater.

In the report presented to Waimakariri District Council’s Utilities and Roading Committee, I also note that the ‘proposed new design’ for the race includes building a soak pit at the end of the race. This will mean that water will still infiltrate into the ground — albeit in a different location to that currently.

At this stage, Managed Aquifer Recharge is only being discussed in the Waimakariri land and water solution programme, no detailed feasibility work has yet to be undertaken. Therefore I cannot determine if Stock Water Race R1-A could or would be used in any Managed Aquifer Recharge trial. Though I am mindful that if Managed Aquifer Recharge trial is required in the general area where Stock Water Race R1-A is currently located then the cost of developing this infrastructure will fall to the landowner as it is their responsibility to farm to the limits imposed via a regional plan.