



## Hearings Committee

### Greytown Memorial Park Water Bore Hole Proposal Hearing and Deliberation

**Wednesday, 19 July 2023**

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#### **EXTRAORDINARY MEETING:**

The meeting will be held in the Supper Room, Waihinga Centre, 62 Texas Street, Martinborough and will commence at 12.30pm. The meeting will be held in public with the express purpose of hearing and deliberating on submissions to the Greytown Memorial Park Bore Hole proposal.

**Committee Membership:** Mayor Martin Connelly (Chair), Councillors Alistair Plimmer, Kaye McAulay, Rebecca Gray and Pip Maynard.

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1. Karakia Timatanga - opening
2. Apologies
3. Conflicts of Interest
4. Submissions Hearings as per Schedule

Schedule of Submissions Hearings 19 July				
No.	Submitter	Start Time	Presenting	Page
4	Jo Woodcock, Resident	12:30pm	Yes	15
3	Louise Brown, Greytown Community Board	12:40pm	Yes	13

5. Greytown Memorial Park Bore Hole Submissions Summary Report Pages 1-40
6. Deliberations
7. Karakia Whakamutunga - closing



## Greytown Memorial Park Water Bore Hole Submissions Summary Report

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### 1. Purpose

To provide advice to the Hearings Committee in relation to the Greytown Soldiers' Memorial Park – New Bore and Pump proposal as attached to this report.

### 2. Executive Summary

Wellington Water, on behalf of South Wairarapa District Council (SWDC), is upgrading the water treatment facilities at Soldiers' Memorial Park on Kuratawhiti Street to increase the resilience of the Greytown Kuratawhiti drinking water supply.

The treatment plant upgrade includes drilling a new bore which requires consent under the Reserves Management Plan, which the Hearings Committee must hear and determine.

### 3. Recommendations

Officers recommend that the Hearings Committee:

1. Note that 4 submissions were received as part of the community consultation process on the proposed Soldiers' Memorial Park – New Bore and Pump.
2. Agree to progress the proposed New Bore and Pump at Soldiers' Memorial Park as detailed in the Statement of Proposal.
3. Note that the final recommendation for the Soldiers' Memorial Park – New Bore and Pump will be presented to the Infrastructure and Community Services Committee or Council for approval at their next scheduled meeting.

**OR**

4. Agree **not** to progress the proposed recommendation in the report for the Soldiers' Memorial Park – New Bore and Pump.

### 4. Appendices

Appendix 1 – Soldiers' Memorial Park New Bore and Pump; Reserve Management Plan Submissions Summary

Appendix 2 – Presentation: Ensuring a reliable supply of safe and healthy drinking water to Greytown

Contact Officers: Stefan Corbett, General Manager Partnerships and Operations  
Laurence Edwards Chief Advisor – Drinking Water, Wellington  
Water

Reviewed By: Amanda Bradley, Acting Interim Chief Executive Officer

**Appendix 1 – Soldiers’ Memorial Park  
New Bore and Pump; Reserve  
Management Plan Submissions  
Summary**

# **Soldiers Memorial Park – New Bore and Pump**

**Reserve Management Plan Submissions Summary**

# Purpose

This report summarises the submissions received during the public consultation on the proposed new abstraction bore and pump at Soldiers Memorial Park, Greytown. This summary of submissions identifies the key themes from submissions received, with full submissions included as Appendix A to this report.

# Background

## Proposed Works

The Memorial Park Water Treatment Plant (WTP) is owned by South Wairarapa District Council (SWDC) and operated by Wellington Water Limited (WWL). The existing bore, pumping and treatment facilities are located within Soldier's Memorial Park Reserve in Greytown.

The current bore and treatment facilities supply drinking water to Greytown and during high demand periods this bore is relied on to maintain pressure and flow for domestic and firefighting use. The existing treatment plant does not meet drinking water standards and requires upgrading. The existing bore pump and bore is aging and in poor condition and is at increasing risk of failure at any time resulting in a loss of suitable network pressure, particularly during high demand periods. Upgrading of the treatment facilities to meet drinking water standards would require the existing bore to be offline for 2-3 months while the new treatment plant is commissioned, resulting in low water pressure throughout the town.

WWL are undertaking a project of upgrades to the water treatment facilities to safeguard the delivery of potable water to Greytown and increase the resilience of the town's drinking water supply. The treatment plant upgrade consists of two stages:

1. Installing a new bore to ensure continuity and resilience of the water supply in the long term; and
2. Installing the new water treatment plant (a containerised system), which involves connecting the plant to the bore and the wider drinking water network.

## Reserve Management Plan

Soldiers Memorial Park is classified under the Reserves Act 1977 as a recreation reserve and heritage reserve. The part of Soldiers Memorial Park containing native bush (referred to as O'Connor's Bush) is classified Historic Reserve under Section 18 of the Reserves Act 1977. The remainder of the Soldiers Memorial Park is classified Recreation Reserve under section 17 of the Reserves Act 1977.

Soldiers Memorial Park Reserve Management Plan (RMP) was adopted by SWDC in 2007 and approved by the Department of Conservation in 2008. The RMP, prepared in accordance with section 41 of the Reserves Act 1997, provides for the use, enjoyment, maintenance, protection, preservation, and development of the reserve.

The RMP provides specific direction on network utilities through policies 38-44. Specifically, policies 43 and 44 provide direction for water extraction utilities. Under Policy 43, new pumping facilities or modifications to the existing pump facilities require Council approval after public consultation.

WWL as the applicant are now seeking formal approval from SWDC under policy 43 of the Memorial Park RMP for the new bore and pump.

The applicant has discussed the requirements for approval under the RMP with SWDC and has undertaken engagement with relevant stakeholders prior to public consultation. Engagement undertaken is detailed in the Statement of Proposal, included as Appendix B to this report.

## Public Consultation

Consultation has been undertaken in accordance with the Special Consultative Procedure under section 83 of the Local Government Act 2002. Soldiers Memorial Park RMP requires that all consultation required by the RMP shall be undertaken in accordance with the Special Consultative Procedure.

The Statement of Proposal for the project was adopted by the SWDC Infrastructure and Community Services Committee on 13th April 2023.

The proposal was publicly notified on the 19th April 2023 in the Wairarapa Times Age newspaper and the Wairarapa Midweek newspaper. Submissions were open until the 17th May 2023.

Submissions could be made via an online feedback form available on the WWL website, or via paper feedback which were available from SWDC offices and the local library. Paper submissions could be emailed or posted.

The feedback form asked submitters whether they supported the proposal to install a new bore at Soldiers Memorial Park, and whether they supported the proposed location of the new bore. Submitters were able to provide supporting comments to their answers, as well as any other comments or observations they wished to make.

# Submissions

## Submissions Received

In total, four submissions were received on the proposal. All submissions received were submitted via the online feedback form available on the WWL website. Submissions were received from:

- William Sloan
- Mark Alexander
- Louise Brown – Greytown Community Board (email confirmation in Appendix C confirming this submission is on the behalf of the Greytown Community Board)
- Jo Woodcock

Zero submissions supported the proposal to install a new bore, with all submitters opposing the proposal. Zero submitters supported the location of the bore, with all submitters opposing the location of the bore within the swimming pool complex.

A summary of the themes made by submitters follows.



## Submission Themes

### Alternative Options

Greytown Community Board states that the existing production bores at Waiohine could provide for the water supply of Greytown by undertaking second drillings at the site, stating that the existing older bores have been drilled to insufficient depth, and that alternative bores would provide sufficient water capacity through increased flows. The Community Board also states that the Memorial Park bore was only ever identified as a backup, not a primary water supply, and that the focus should be on improving the efficiency of the Waiohine bores.

Submitters William Sloan and Mark Alexander opposed the proposal on the basis that alternative options should be assessed for meeting the needs of Greytown. Both submitters seek that Woodside Plant (local name for the Waiohine Plant) be used to provide potable water to Greytown. Mark Alexander also suggests that the potable water supply for Featherston could be supplied by Boar Bush.

Jo Woodcock seeks that other options are assessed for the proposed bore.

### Cost

Submitter William Sloan submits that the proposal is a duplication of infrastructure due to the option of using the Woodside Plant to supply Greytown, and therefore the proposal represents an unnecessary cost.

William Sloan also seeks that a comparative whole of life costs between the proposed new bore and an upgrade of the Woodside Plant be provided, and that an upgrade to Woodside Plant would be a reduction in operating costs and rates to the community through eliminating the need for the new bore.

### Impact on Memorial Park Function and Values

Submitter Jo Woodcock opposes the proposal, and states that due to the commemorative value of the Memorial Baths, which was built in memory of fallen soldiers from WWI and WWII, it is not appropriate to construct a new bore in this location. Jo Woodcock also opposed the location of the bore due to the loss of 18m<sup>2</sup> off grassed area within the pool complex.

Greytown Community Board states that the current bore and the proposed bore are not in keeping with the memorial values of the park, and that the location within the pool complex is not justified on the basis that it is the least invasive option, identifying that the Memorial Park pool area holds value to the Greytown Community. The Community Board submit that the culture and heritage of Greytown would be maintained by pursuing the alternative option of Waiohine.

### Containerised Treatment Unit

Greytown Community Board submit that the new containerised treatment unit, which has already been consented and approved, could be connected to the existing bore, allowing the current treatment plant to be removed and the Memorial Baths car park returned to the users.

# Appendix A

View results

1. Your full name \*

William Sloan

2. Your email \*

[Redacted]

3. Your phone number \*

[Redacted]

4. Do you support the proposal to install a new bore at Soldiers' Memorial Park on Kuratawhiti Street to increase the resilience of the Greytown drinking water supply? \*

Yes

No

5. If you'd like, please provide more detail as to why you support/don't support the proposal

The Woodside Plant with a compliance and capacity upgrade potentially can meet the needs of GYTN and FSTN for the foreseeable future. In addition the feed to GYTN will be by way of gravity (about 65m pressure head). Expansion of this source therefore eliminates the need for new pumping and bore infrastructure at Kuratawhiti Street hence a reduction in operating costs and rates to the community.

I see no reference to this option in the proposal documentation.

More

6. Do you support the proposed location of the new bore? (inside the Greytown swimming pool complex on the grassed area, beside the toddler pool) \*

Yes

No

7. If it's a no, if you're happy to, please provide a reason as to why you don't support the proposed location and any alternative options you'd like considered

Unnecessary duplication of infrastructure resulting in unnecessary extra costs to the water rates paying community into the future

8. Please provide any other comments or observations about the proposed upgrade

Council should visit the Woodside upgrade option and develop comparative whole of life costs (capital and operating) with the new bore proposal.

The Woodside source is already available to the GYTN community and has been used as a backup to the existing bore

9. If there is a hearing on this application, would you be interested in making an oral submission? \*

Yes

No

View results

1. Your full name \*

Mark Alexander

2. Your email \*

[Redacted]

3. Your phone number \*

[Redacted]

4. Do you support the proposal to install a new bore at Soldiers' Memorial Park on Kuratāwhiti Street to increase the resilience of the Greytown drinking water supply? \*

Yes

No

5. If you'd like, please provide more detail as to why you support/don't support the proposal

As voted and paid for by Greytown residents the water supply from wood side should be returned to Greytown. I would suggest Boar Bush for Featherston be reinstated

More

6. Do you support the proposed location of the new bore? (inside the Greytown swimming pool complex on the grassed area, beside the toddler pool) \*

Yes

No

7. If it's a no, if you're happy to, please provide a reason as to why you don't support the proposed location and any alternative options you'd like considered

As number 5

8. Please provide any other comments or observations about the proposed upgrade

Suggest you start by fixing the 100,s of millions of litres of water lost every year through bad network provision and with Kuratawhiti st in Greytown prone for flooding in bad weather the aquifers Would be at a greater risk of contamination than damned or river water

9. If there is a hearing on this application, would you be interested in making an oral submission? \*

Yes

No

### View results

1. Your full name \*

Louise Brown- Greytown Community Board

2. Your email \*

louise.brown@swdc.govt.nz

3. Your phone number \*

[REDACTED]

4. Do you support the proposal to install a new bore at Soldiers' Memorial Park on Kuratāwhiti Street to increase the resilience of the Greytown drinking water supply? \*

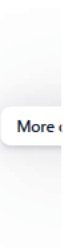
Yes

No

5. If you'd like, please provide more detail as to why you support/don't support the proposal

The proposal to drill for a new bore at Soldier's Memorial Park is presented as if there is no alternative. It is presented as if the only way to increase the resilience of the Greytown drinking water is by drilling a new bore at Soldier's Memorial Park. It fails to recognise that the Waiohine bores could in fact increase the water flow required by second drillings at the sites where the older bores being 1 and 2 have been drilled to an inefficient depth. The success of the flow at bore 4 with a different depth dig and greater flow confirms that simply drilling again next to the other locations would in fact increase the water supply sufficiently without having to create greater damage and loss to the aesthetics of Soldiers Memorial Park. The likely increase of water flow by doing alternative digs at the Waiohine bores was confirmed by staff of Wellington Water.

Furthermore, this proposal suggests that the bores at Soldiers Memorial Park are intended to be the primary water supply when in fact the bore at Memorial Park was never intended to be more than a backup. The current bore let alone a second bore at Soldiers Memorial Park are simply eyesores and desecration of the park which is intended to be a Memorial to Soldiers fallen.



6. Do you support the proposed location of the new bore? (inside the Greytown swimming pool complex on the grassed area, beside the toddler pool) \*

Yes

No

7. If it's a no, if you're happy to, please provide a reason as to why you don't support the proposed location and any alternative options you'd like considered

The baths or pool is intended to be a Memorial to the Fallen Soldiers from WWII. The Monument outside at the entrance to the pool so confirms. The park is intended to be a place of reflection, remembrance and rejuvenation. It is why it holds special meaning to the families of Greytown and the Wairarapa. The concept of cutting off a portion of something that is meant to be a memorial should not happen simply or because it seems the least invasive. The pools and the area that encompasses the pool is as important to the Greytown Community as are the Memorial Trees, the playing fields, the pavilion, the bush and the park.

The Greytown Community Board thinks that alternative bore digs at Waiohine offer a far better solution with less disruption and with a possible greater outcome of even increased flow amounts. With the additional bonus of maintaining the culture and heritage of Greytown

8. Please provide any other comments or observations about the proposed upgrade

If,

"The second element of the upgrade, the installation of the containerised water treatment plant, has already been consented via a process that took place during April and May 2021. Therefore, it is not included in this proposal."

Is correct then there is nothing to date suggested that the new container plant cannot be utilised to maintain testing and treatment of the existing bore at Soldiers Memorial Park and perhaps with its new location some of the negative impact of the the current container location can be improved by removal of the container and fencing from the entrance to the Soldiers Memorial. The focus should be on returning the existing bore back to its intended use as a back-up bore and the focus being put on make the bores at Waiohine more efficient.

9. If there is a hearing on this application, would you be interested in making an oral submission? \*

Yes

No



View results

1. Your full name \*

jo woodcock - resident

2. Your email \*

[Redacted]

3. Your phone number \*

[Redacted]

4. Do you support the proposal to install a new bore at Soldiers' Memorial Park on Kuratāwhiti Street to increase the resilience of the Greytown drinking water supply? \*

Yes

No

5. If you'd like, please provide more detail as to why you support/don't support the proposal

memorial baths - built for soldiers who have died it is not appropriate for a bore to be in the pool complex and then fenced off.

More

6. Do you support the proposed location of the new bore? (inside the Greytown swimming pool complex on the grassed area, beside the toddler pool) \*

Yes

No

7. If it's a no, if you're happy to, please provide a reason as to why you don't support the proposed location and any alternative options you'd like considered

the memorial baths lose 18m2 of grass. There is no other grass area in the pool complex. Our town is increasing so why would you reduce the pool complex space.  
Schools use the pools for teaching and need the grass area for kids to sit on.

8. Please provide any other comments or observations about the proposed upgrade

look at another option in town where we have a aquifer to support a bore

9. If there is a hearing on this application, would you be interested in making an oral submission? \*

Yes

No

# Appendix B



## **Soldiers' Memorial Park New Water Bore** *Statement of Proposal*

### **1. Context**

Wellington Water, on behalf of South Wairarapa District Council (SWDC), is upgrading the water treatment facilities at Soldiers' Memorial Park on Kuratāwhiti Street to increase the resilience of the Greytown Kuratāwhiti drinking water supply.

The treatment plant upgrade consists of two elements:

1. Installing a new bore to ensure continuity of water supply in the long term; and
2. Installing the new water treatment plant (a containerised system), which involves connecting the plant to the bore and the wider drinking water network.

Drilling a new bore requires consent under the Reserves Management Plan. To inform this process we are seeking feedback from those with an interest in the bore in Soldiers' Memorial Park, so we can look for ways to mitigate any concerns through engagement and/or construction methodology.

The second element of the upgrade, the installation of the containerised water treatment plant, has already been consented via a process that took place during April and May 2021. Therefore, it is not included in this proposal.

### **2. Our proposal**

The Council is proposing to install a new bore at the Soldiers' Memorial Park water treatment facilities as part of a larger project to improve the treatment of the town's water supply. The preferred location for the new bore is inside the Greytown Kuratāwhiti swimming pool complex on the grassed area, between the BBQ area and the shaded grassed area. This location avoids putting a bore down in the playing fields area and is away from significant historic trees, the current pavilion area, the proposed pavilion expansion and the campground.

A new bore will occupy a space of approximately 3m by 6m within the unshaded grassed area within the swimming pool complex. It is proposed to fence off the bore so it will not be accessible or visible from the swimming pool complex. The bore pump will be below ground and is expected to be very quiet during operation.

**This statement of proposal was adopted by the South Wairarapa District Council on 13 April 2023.**

### 3. Reasons for the proposal

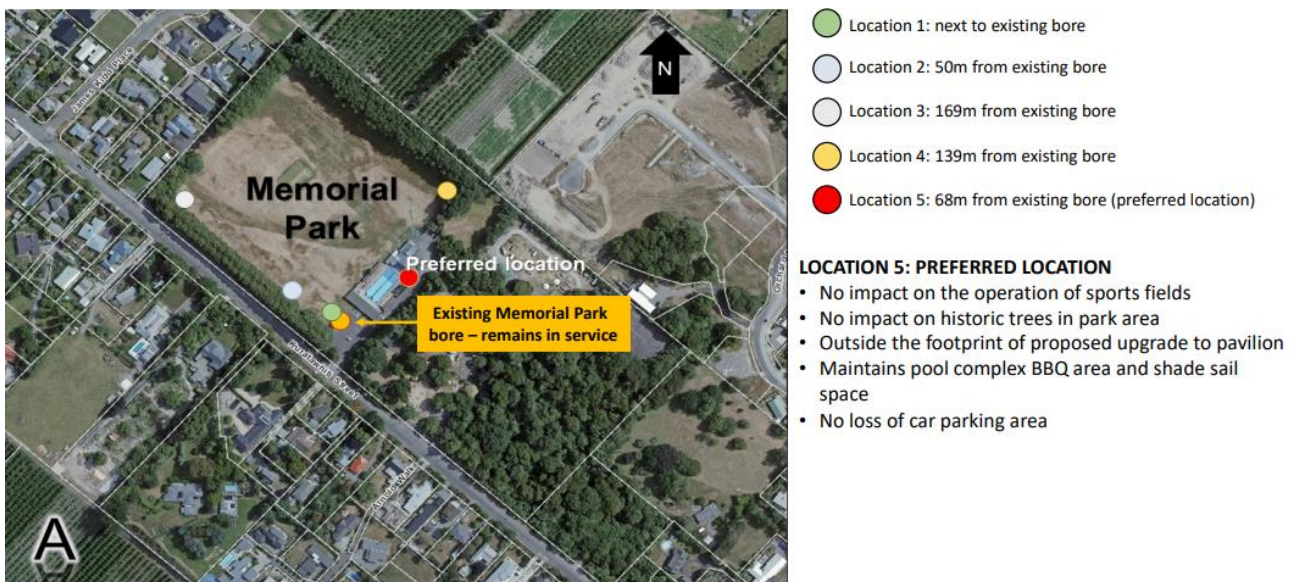
Wellington Water has determined the existing Memorial Park bore is at the end of its useful life, is difficult to maintain and at risk of failure. Therefore, they have proposed the installation of a new bore to ensure Greytown Kuratāwhiti continues to receive a reliable supply of safe, healthy drinking water. The upgrade also provides extra water supply resilience to help respond to climate change challenges.

Currently it is not possible to undertake maintenance of the pump or bore without running the risk of disrupting water supply for several months to both residents of Featherston and Greytown Kuratāwhiti. Without regular maintenance the bore is at an increased risk of failure. Through the construction of a new bore this will allow maintenance to occur consistently and new pumping technology to be installed. This will ensure continuity of supply for the long term, and during the commissioning stage of the new treatment plant, minimise any disruption to supply for Greytown Kuratāwhiti residents.

The proposed bore, which will be installed at a greater depth than the existing bore will provide a greater level of protection against future climate change impacts, particularly relating to decreased groundwater levels during summer.

### 4. Options considered

Wellington Water identified five locations for the new bore which were assessed and discussed at length with the Council as part of the design process. After this assessment was completed, location five was selected by the Council as the preferred option (see location below).



#### Recommended preferred option

The preferred location for the new bore is within the swimming pool complex. This location:

- has minimal impact on the swimming complex;
- does not impact on the protected Memorial Trees;
- retains all grassed sports fields so the community does not lose recreational space for sporting activities; and

- is close to the consented location of the treatment plant, therefore reducing construction costs, when compared to the other possible locations.

A more detailed rationale for this preferred location is outlined in the table below.

Description	Advantages	Disadvantages
1 Location 1: next to existing bore	<ul style="list-style-type: none"> <li>• Nearest location to existing water infrastructure reducing costs associated with construction.</li> <li>• The location is likely above a productive aquifer.</li> </ul>	<ul style="list-style-type: none"> <li>• Significant potential to interfere with current bore during drilling, risking impacting water quality for users during construction and commissioning of bore (potentially over a period of weeks/months).</li> </ul>
2 Location 2: 50m from the existing bore along the southern edge of Memorial Park	<ul style="list-style-type: none"> <li>• It is less likely (compared to Location 1) that there will be water quality issues in the Memorial Park bore during drilling and installation of the new bore.</li> <li>• Closer to existing water infrastructure than Location 3, Location 4, and preferred location making construction costs lower.</li> <li>• The location is likely above a productive aquifer.</li> </ul>	<p>A high likelihood that the bore would:</p> <ul style="list-style-type: none"> <li>• be located within root ball of historically significant trees which would likely cause significant damage to the trees; or</li> <li>• reduce the size of sports fields to be unusable for local sports clubs.</li> </ul> <p>RMP policy restricts earthworks in the root zone of Memorial trees, so construction in this area would not be possible.</p>
3 Location 3: ~170m from the existing bore in the western corner of Memorial Park	<ul style="list-style-type: none"> <li>• The furthest location from the existing Memorial Park bore will have the least interference compared to the other locations.</li> <li>• Least likely (compared to the other locations) to cause water quality issues in the Memorial Park bore during drilling and installation of the new bore.</li> <li>• The location is likely above a productive aquifer.</li> </ul>	<ul style="list-style-type: none"> <li>• Distance to the treatment plant means significant extra pipework and electrical/control cabling would be needed to connect the bore to the plant, adding significant cost to the project.</li> </ul> <p>A high likelihood that the bore would either:</p> <ul style="list-style-type: none"> <li>• be located within root ball of the historically significant trees which would likely cause significant damage to the trees; or</li> <li>• reduce the size of sports fields to be unusable for local sports clubs.</li> </ul> <p>RMP policy restricts earthworks in the root zone of Memorial trees, so construction in this area would not be possible.</p>
4 Location 4: ~140m from the existing bore in the eastern corner of Memorial Park.	<ul style="list-style-type: none"> <li>• Less likely (compared locations 1 and 2) to cause water quality issues in the Memorial Park bore during drilling and installation of the new bore.</li> <li>• Furthest away from the wastewater (~65 m to the lateral) and stormwater networks (175 m), of the locations tested.</li> <li>• The location is likely above a productive aquifer.</li> </ul>	<ul style="list-style-type: none"> <li>• The location is within a flood sensitive area, potentially causing contaminated water to pool around the bore headworks. Due to this risk Greater Wellington Regional Council would be less likely to approve a consent for the bore and the Water regulator is likely to refuse compliance of the water source.</li> <li>• Closest location to an orchard which is noted as a contaminated site.</li> </ul> <p>A high likelihood that the bore would either:</p> <ul style="list-style-type: none"> <li>• be located within the root ball of the historically significant trees which would likely cause significant damage to the trees; or</li> <li>• reduce the size of sports fields to be unusable for local sports clubs.</li> </ul> <p>RMP policy restricts earthworks in the root zone of Memorial trees, meaning construction in this area would not be possible.</p> <p>So, this location is seen as the least preferred of all those considered.</p>

Description	Advantages	Disadvantages
<p><b>5 Preferred option</b></p> <p><b>Location 5:</b> ~70m from the existing bore in the swimming pool complex.</p>	<p>This location:</p> <ul style="list-style-type: none"> <li>• Will not interfere with the operation of the sports field.</li> <li>• It does not impact any notable trees in the park.</li> <li>• Construction can be completed during the period when the swimming pool is closed to the public (March to October).</li> <li>• The bore and associated above ground pipework will take up a space approximately 3m wide by 6m long. This area will be fully fenced off from the swimming pool, so you will not be able to see or access the bore from the pool complex.</li> <li>• The shaded grassed seating and BBQ area will continue to be fully accessible from the pool complex.</li> <li>• Location is likely above a productive aquifer.</li> <li>• Close proximity to the treatment plant, meaning costs for pipe connections to the plant from the bore are low compared to all other options.</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 18m<sup>2</sup> of the swimming pool complex will be permanently removed from the complex for the bore headworks.</li> <li>• Access to the swimming pool car park will be restricted to the construction team to ensure we keep residents safe during the construction period.</li> <li>• Vehicle access to the pavilion will have some restrictions during periods of construction, however, access will be retained via traffic management for the majority of the construction to local user groups as needed.</li> <li>• There will be some construction noise during working hours (7 am – 6 pm). Under normal operating conditions no noise is generated from the underground pump.</li> <li>• Traffic management on Kuratāwhiti Street will be required at times to enable movement of vehicles into and out of the construction site with deliveries.</li> <li>• Access to the playing fields will be moved from the current pavilion access to a temporary access point via the swimming pool car park during construction.</li> </ul>

### Impacts on tāngata whenua and te ao Māori

Wellington Water, alongside its project delivery partner GHD, have proactively engaged with local Iwi Ngati Kahungunu ki Wairarapa and Rangitāne o Wairarapa as well as presented at the Māori Standing Committee meeting to discuss the planned project and to understand the thoughts and feedback of Iwi. (See appendix for SWDC Māori Standing Committee information sheet)

The key topics discussed included cultural considerations, community impact and technical aspects of the project. The project team followed up by answering questions, and an offer has been made to also present to the local Papawai Marae. The feedback from Iwi was favourable, with the representatives on the Māori Standing Committee supportive of the proposal as it will improve the water quality within the town. They did not raise any concerns that the project would impact on the Te Ao Māori.

## 5. How you can have your say

The Council encourages any person or organisation affected by, or having an interest in, the proposed location of the new Memorial Park bore to present their views to the Council by making a submission. Submissions can be made before the 17 May via:

- filling out the online feedback form on the WWL's website: <https://bit.ly/3MPY4cE>
- emailing your submission to [cristo.umanzor@ghd.com](mailto:cristo.umanzor@ghd.com); or
- posting your submission to: GHD Centre Level 3, 27 Napier Street, Freemans Bay, Auckland 1011, for the attention of Cristo Umanzor.

Please include your name and email address if you want to speak in support of your submission at the Council hearing so we can contact you to arrange a time for you to present at a date to be confirmed in late May 2023.

#### **Privacy statement**

Any submissions that are made on this proposal become part of the public consultation process. As such, all submissions, any summaries of submissions, and any documents provided with your submission, are made available to the Council's governing body as well as the public. Your name and feedback will be in public documents. All other personal details will remain private.

The Privacy Act 2020 applies when we collect personal details. Any details that are collected will only be used for the purposes stated. You have the right to access and correct any personal information we hold.



**Appendix 1 - SWDC Māori Standing Committee information sheet**

# Memorial Park Water Treatment Plant

## New Water Abstraction Bore

### What is the project purpose?

Wellington Water, on behalf of South Wairarapa District Council (SWDC), is upgrading the water treatment facilities at Soldiers' Memorial Park on Kuratāwhiti Street to increase the resilience of the Greytown Kuratāwhiti drinking water supply.

### Why an upgrade is required and what's involved

The current bore and treatment facilities exclusively supply 100% of the Greytown Kuratāwhiti drinking water needs. The current bore still meets demand, however:

- the current pump and treatment facilities are ageing and in need of replacement; and
- we cannot switch off the existing pump and treatment facilities to allow maintenance to take place without compromising water supply.

The treatment plant upgrade consists of two elements:

- Installing a new bore to ensure continuity of water supply in the long term.
- Installing the new water treatment plant (a containerised system), which involves connecting the plant to the bore and the wider drinking water network.

We are currently in the process of applying for reserve management consent for the new bore, the treatment plant was consented via an engagement process during April and May 2021.

### Benefits

- Ongoing supply of safe, healthy drinking water to the Greytown Kuratāwhiti community.
- Ensure compliance with current national water standards required by Taumata Arowai, New Zealand's water regulator
- Increased resilience: the new bore will enable Wellington Water to carry out maintenance with minimal impact to the Greytown Kuratāwhiti community.

### When is this happening?

Construction will be commencing in mid-2023 and is programmed to be completed before the swimming pool is due to reopen in November.

### What can I help with?

We are engaging with the local community and mana whenua to seek to understand any issues and concerns you may have regarding the project so we can put in place, where possible, processes to mitigate these concerns during construction. Please email Cristo, our Project Manager (Cristo.Umanzor@ghd.com) by 31 March 2023 with any comments/queries you may have.

# Project Detail

## Where is the existing bore located?

The preferred location for the new bore is inside the Greytown Kuratāwhiti swimming pool complex on the grassed area beside the toddler pool. It is shown in the white outlined box in Figure 2.

## Which locations were considered for the new bore?

Five locations (shown in Figure 1) were assessed and discussed at length with SWDC as part of the design process:

1. Location 1, immediately next to the bore. This was ruled out because it had the potential to interfere with the current bore during drilling, risking impacting the water quality for users during construction.
2. Location 2, 50m from the existing bore along the southern edge of Memorial Park.
3. Location 3, ~170m from the existing bore in the western corner of Memorial Park.
4. Location 4, ~140m from the existing bore in the eastern corner of Memorial Park.
5. **Location 5, ~70m from the existing bore in the swimming pool complex. (preferred option)**

Locations 2-4 were ruled out due to the potential impact to operation of the sports field and the proximity to the notable trees bordering the grassed area.



Figure 1: Bore Locations considered

## Where is the preferred location for the new bore?

The preferred location for the new bore is inside the Greytown swimming pool complex on the grassed area beside the toddler pool. It is shown in the white outlined box in Figure 2

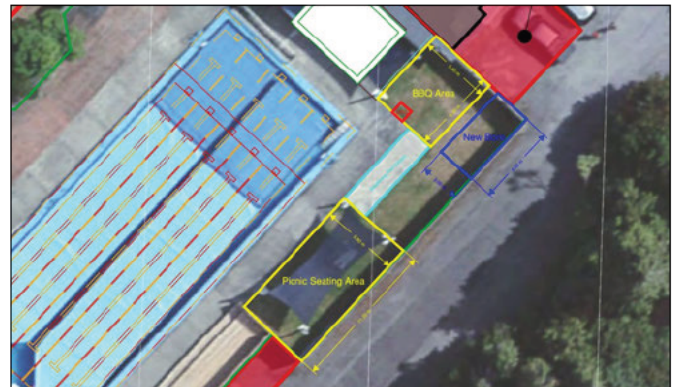


Figure 2: Preferred Bore Location

## How much impact will this have on the swimming pool complex?

As construction will not start until after the completion of the busy summer swimming period, and are programmed to be completed before the start of the 2024 summer season. We anticipate that the impact on day-to-day pool operations will be minimal. The bore and associated above ground pipework will take up a space approximately 3m wide by 6m long. This area will be fully fenced off from the swimming pool, so you will not be able to see or access the bore from the pool complex.

The shaded grassed seating and BBQ area will continue to be fully accessible from the pool complex.

## What other impacts can we expect during construction?

Access to the swimming pool car park will be restricted to the construction team to ensure we keep residents safe. There will be limited vehicle access to the clubrooms, which will be arranged with local user groups as needed.

There will be some construction noise during working hours (7 am – 6 pm) and traffic management on Kuratāwhiti Street at times to enable movement of vehicles into and out of the construction site with deliveries.

## Project timing

**March 2023** – Engagement with Mana Whenua, park user representative groups and others

**April 2023** – Compile feedback to inform construction methodology

**Mid-2023** – Construction begins

We anticipate that construction will commence in April/May 2023 with the consented treatment plant and the bore installed mid-2023. Works are expected to be completed by late 2023. This includes a period of time when the treatment plant operations will be tested to ensure they work as designed before the plant is handed to Wellington Water to operate.

## Iwi and Community Engagement

Drilling a new bore requires consent under the Reserves Management Plan. To inform this process we are seeking feedback from those with an interest in Memorial Park on the bore, so we can look for ways to mitigate any concerns through engagement and/or construction methodology.

The proposal outlined in this information sheet has been developed with collaboration with Wellington Water and SWDC, while taking into account the current consent requirements for the treatment plant.

Wellington Water has begun engaging with the local community about this project. This engagement includes:

- Engagement with Ngāti Kahungunu ki Wairarapa and Rangitāne o Wairarapa.
- Presentation to the Greytown Community Board, which took place on 28 February.
- Meeting with the Māori Standing Committee (14 March).
- Engaging directly with park stakeholder groups (i.e. swimming pool operations, cricket club, camp ground etc.).
- Engaging with all park user groups through email correspondence.

## What do we want to achieve from this engagement?

The purpose of this engagement is to seek feedback to inform final construction methodology, and understand any issues and concerns so we can put in place, where possible, processes to mitigate these concerns.

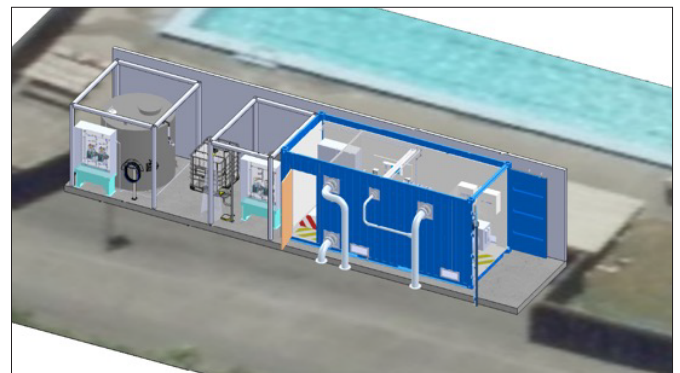
# Background Information

## Ongoing access to Memorial Park clubrooms

During normal operation of the new water treatment plant and bore, no issues regarding driveway access are expected. There will be some minor disruption when chemical deliveries occur (likely to be approximately once a month) when the delivery truck will need to park in front of the treatment container. This is expected to be for no more than about an hour each time.

## Location of treatment plant will minimise disruption

The location of the containerised plant and borehole (off the pavilion driveway in the alcove area, shown in Figure 3 below) was specifically chosen to minimise public disruption. Wellington Water staff may, at times, need to park their vehicles near the plant, but given its location, public access to the clubrooms and parking will not be impacted.



**Figure 3: Schematic of the Memorial Park Water Treatment Location in relation to the pool and current driveway**

## Existing bore details

The current Memorial Park bore is 11 m deep and draws water in from between 9 to 11 m below ground level. The aquifer at this location is shallow and unconfined. In Greytown Kuratāwhiti, bores (which want to be installed above the base of the aquifer to ensure they can produce the yield necessary) are typically less than 15m deep, though deeper aquifers are likely present 5km to the east, near Parkvale. The underlying strata below Greytown Kuratāwhiti has not proved to be particularly productive for the most part, which creates a risk that if we drill to deeper depths, the bore will not provide the yield required to supply the network.

The current bore was pump tested in the early 2000s and showed the aquifer was very permeable with rates up to 46 L/s achieved. The Memorial Park bore is consented to abstract a maximum of 60 L/s (to a maximum daily volume dependent on the time of year), which meets the 30 L/s at peak demand for Greytown Kuratāwhiti.

## Proposed bore details

The proposed bore is intended to be slightly deeper than the current bore and screened below 10 m to offer some additional protection from contaminants.

## Risk of contamination in shallow bores

Shallow bores tend to be more at risk from contamination emanating from the land surface, as such Taumata Arowai (water services regulator) has put in place regulations for these types of bores which include:

- standard of treatment;
- assessing risks in the source water and mitigating them to acceptable levels when identified;
- monitoring water quality at source and within the network;
- contingency/emergency plans; and
- improvement schedules to drive continuous improvement in the network.

The Memorial Park treatment plant, and the bore which feeds the plant, have been designed to meet these requirements and ensure safe water supply for the town.

## Possibility of contamination of the bore from the pool

The upgraded bore and plant will increase the level of treatment the water receives, so the risk of contamination from the nearby swimming pool is considered low. This will ensure water supplied to the Greytown Kuratāwhiti community remains healthy, and safe to drink.

## Hydrogeology

Most bores near Greytown Kuratāwhiti have been installed into the highly permeable Holocene aged<sup>1</sup> gravel (Q1 in Figure 4 below). This gravel is fed from rainfall and water lost from the Waiohine River and provides the flow for the Papawai - Tilsons springs downgradient. Few wells have been installed into the deeper gravels (Q2 to Q5+), which suggests they are less productive than the Holocene gravels. The existing geological mapping available for Greytown Kuratāwhiti does not show any faults within the vicinity of the town.

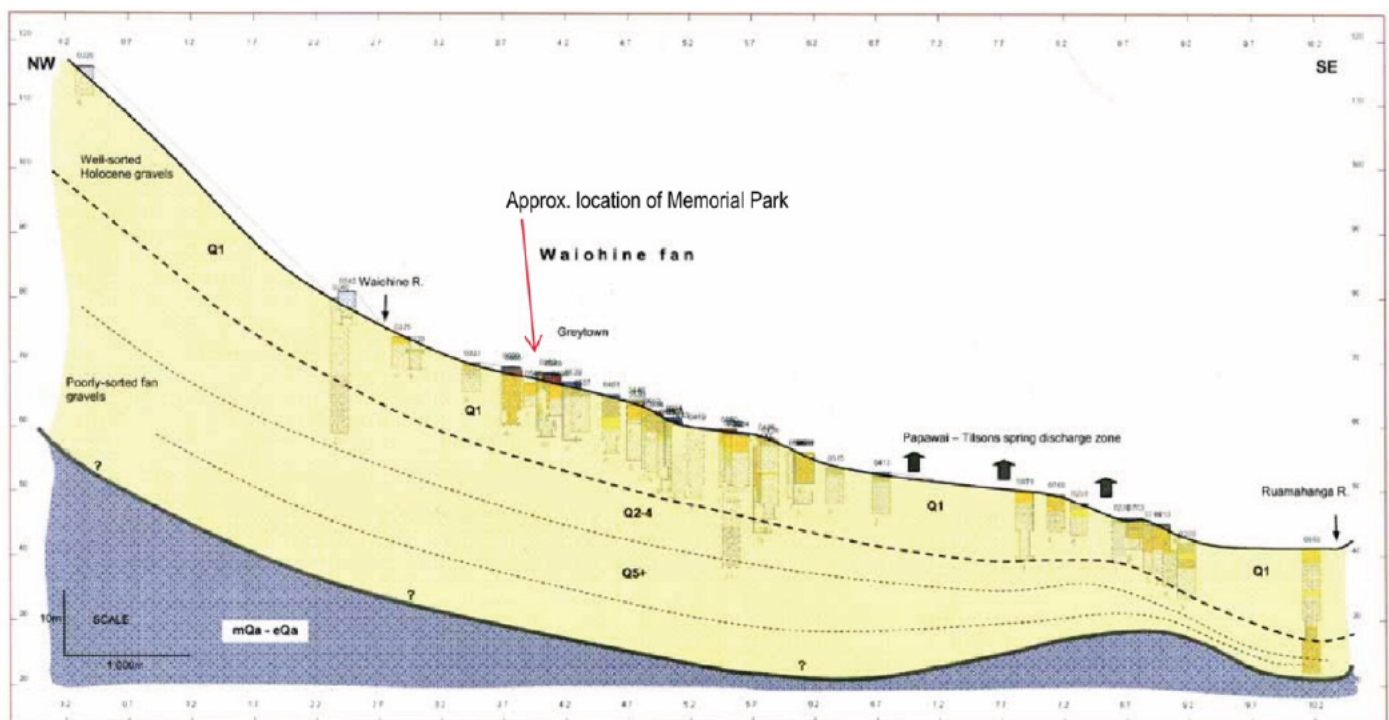


Figure 4: Greytown-Waiohine geological cross section showing fault lines and aquifer (source: Gyopari and McAlister (2010), Wairarapa Valley groundwater resource investigation: Middle Valley catchment hydrogeology and modelling. Greater Wellington Regional Council, Technical Publication No GW/EMI-T-10/73)

<sup>1</sup>Holocene is the current geological epoch, spanning from approximately 12,000 years ago to present day.

# Appendix C

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**From:** GCB-Louise brown <Louise.Brown@swdc.govt.nz>

**Sent:** Thursday, May 18, 2023 10:30 AM

**To:** Amanda Bradley- General Manager, Policy & Governance <amanda.bradley@swdc.govt.nz>; Nicki Ansell- Lead Advisor - community Governance <nicki.ansell@swdc.govt.nz>; Amy Andersen Committee Advisor <amy.andersen@swdc.govt.nz>

**Subject:** Speaking to Submissions on Soldiers Memorial Bore

Hi

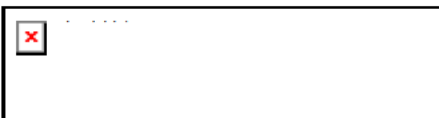
I have filed submissions on behalf of the Greytown Community Board with majority confirmation of the filed submissions and 5 out of 6 confirming to file submissions in the first place with one no comment.

I do wish to speak to my submissions and if possible would appreciate an afternoon slot on Thursday 25 May 2023.

**Ngā mihi,**

**Louise Brown**

Greytown Community Board Chair



South Wairarapa District Council

PO Box 6 Martinborough 5741

19 Kitchener Street Martinborough 5711

[www.swdc.govt.nz](http://www.swdc.govt.nz)

# **Appendix 2 – Presentation: Ensuring a reliable supply of safe and healthy drinking water to Greytown**





**Ensuring a  
reliable supply  
of safe and  
healthy  
drinking water  
to Greytown**



**Our water, our future.**

# Background

- Safe and healthy drinking water is our number one priority.
- The Soldiers' Memorial Park treatment plant does not meet the drinking water standards.
- The current bore and treatment facilities were constructed in 2005, and supply Greytown only.
- Originally envisaged as supplemental to the Waiohine water treatment plant, however due to growth and system hydraulic constraints is now Greytown's primary supply.
- Without it, Greytown's supply pressure and flow capacity for domestic and firefighting use is compromised.

# Why is a new bore needed?

- Temporary UV treatment arrangement installed in 2019 to protect against protozoa such as Giardia and Cryptosporium.
- Additional treatment barrier (filtration) required to meet standards.
- Daytime demand is such that it cannot be supplied solely from the Waiohine Water Treatment Plant without compromising system pressure.
- Existing facilities are very old, in poor condition, are difficult to maintain, and are at increasing risk of failure.
- Cannot commission the new treatment facilities using the existing bore without significant impact to the community's water supply.
- The proposed bore will allow the new plant to be commissioned 'offline' without impacting supply and will significantly increase the overall resilience and reliability of Greytown's drinking water supply.



The existing bore pump at Memorial Park

# What alternatives have been considered?

- **Supply from other treatment plants**

Due to network hydraulic constraints Greytown cannot be supplied from the Waiohine WTP without compromising supply pressure and firefighting use.

- **Upgrading the network to remove hydraulic constraints and supply from the Waiohine WTP**

This requires the replacement and upsizing of many watermains throughout Greytown and will take many years to complete. It would provide no additional resilience if the Waiohine WTP supply is disrupted.

- **Why Memorial Park and not somewhere else?**

Finding a reliable source would very time consuming and costly, with no guarantee of finding a suitable alternative location.

- **Installing the bore at other locations nearby (next slide)**

# Bore site and location investigations



# How will this impact the park and baths?



- Bore/above ground pipework take up about 3m x 6m.
- Pool carpark closed during construction, reduced/limited vehicle access to clubroom car park at times
- Minimal impact on pool day-to-day operations
- Shaded grassed seating BBQ fully accessible from pool
- Pedestrian access to clubrooms/bowls club/sports field maintained

# What will it look like?

Treatment plant and bore screened off and discretely located to side of baths



Figure 1



Figure 2

Viewed from outside pool with screening options



# Benefits

- Reliable supply of safe and healthy drinking water to the Greytown Kuratāwhiti community.
- Compliance with drinking water standards.
- Increased resilience:
  - Essential routine maintenance without impacting supply
  - Continued supply to Greytown if Waiohine WTP supply is lost (damage to supply mains, power cuts, lightning strikes etc.)
- Removing existing poor condition chemical storage room and equipment from within the pool building
- Removal of temporary containers and structures from the car park area



# What if the bore doesn't go ahead?



- Existing treatment plant will continue to be non-compliant until upgraded, current temporary arrangement will continue in meantime.
- Not able to be commission the new treatment plant without impacting Greytown's domestic and firefighting supply (long duration expected).
- Council must accept the impact on the community water supply for the new treatment plant to be commissioned using the only available bore.
- No backup if the single bore supply fails, with disruption for an extended period until fixed/replaced.

# Questions?

