



**MARLBOROUGH
DISTRICT COUNCIL**



Taylor River Floodway Reserve Recreation and Amenity Plan

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1.0 Introduction

1.1 Purpose of this Plan

Previous development of the Taylor River Floodway Reserve area has transformed it into a high quality passive recreational space that has resulted in a significant increase in the interest and use of the area.

As a result of the development of the reserve, the changing nature of recreational activities undertaken by the public and the expected future increase in demand to utilise this space, a management plan that sets out objectives, policies and that guide's effective reserve management is required.

The plan is covering the Taylor River Floodway Reserve area with particular focus on the recreation and amenity of this Reserve. It does not cover the Taylor River itself or any other waterways. These are covered in other management plans and are under the management of Rivers Section at Marlborough District Council. It is important to note that the overriding purpose of the reserve is flood control and where any conflicts arise flood control takes precedence.

1.2 Structure of the Plan

Objectives and policies have been produced to create an overall direction for the future recreation and amenity of the floodway reserve. The reserve covers a large amount of land and differs in terms of use and maintenance therefore the current and future plans have been separated into sections. Submissions collected in the consultation process have played an important role in creating the future layout expressed through these plans.

1.3 Map

The following area is covered by this management plan.



1.4 Brief History

The section of river from the Boathouse theatre up to Monro Street is now known as the Taylor River but was historically called the Omaka River. The then Taylor River joined the Omaka River upstream of Monro Street, the Taylor River being a tributary to the Omaka River.

When Blenheim township was established the Omaka River flowed across the plains from near Renwick on a line fairly parallel to Middle Renwick Road and was joined by the Taylor River in the Monro Street area. In 1887 the Omaka was diverted to the current Omaka River.

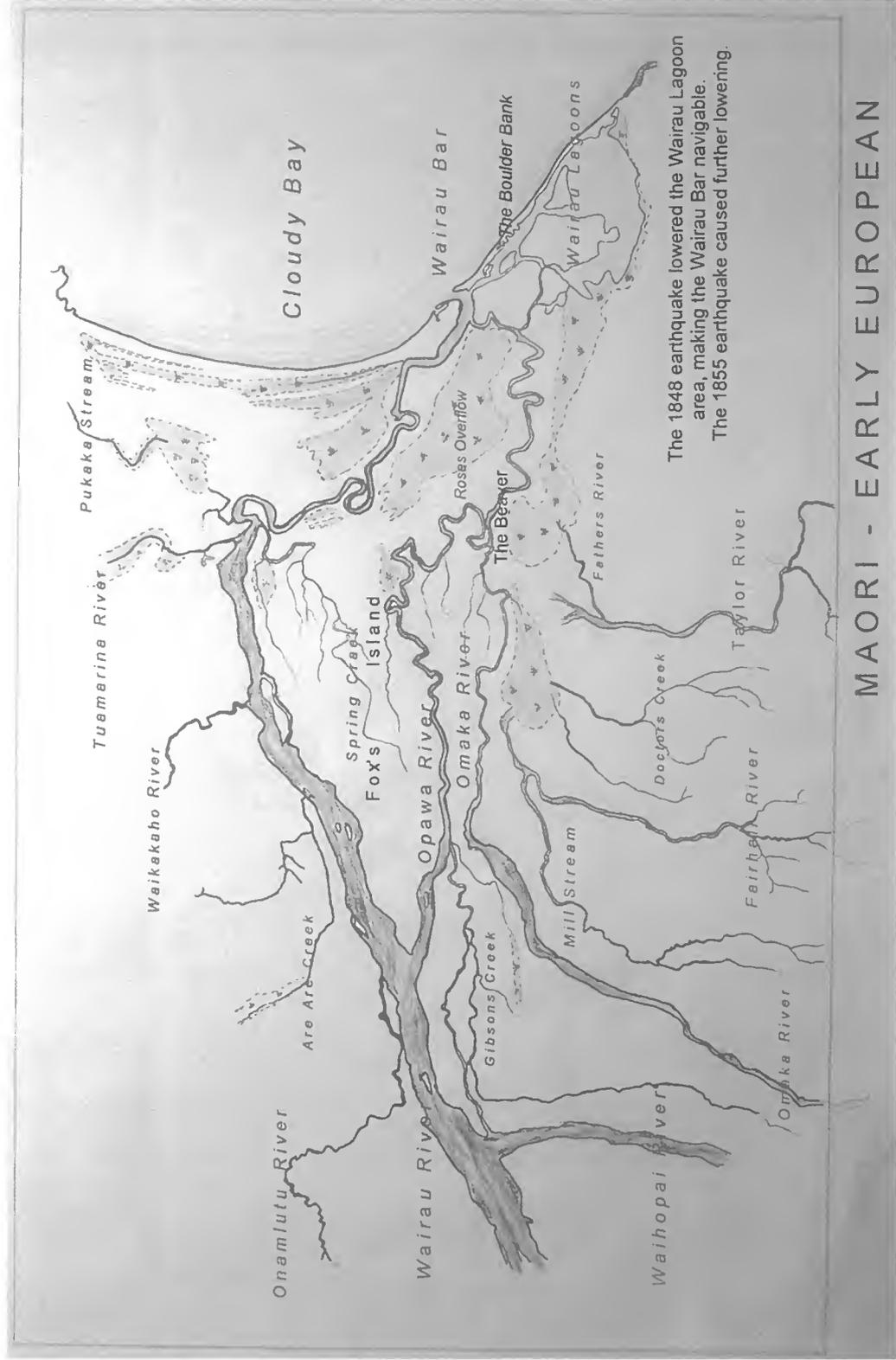
In 1929 another tributary, the Fairhall, was diverted into the upper Opawa and it was probable that from this time the stretch of River through town became known as the Taylor. The Riverboard through the 1950s carried out a major straightening exercise of the Taylor River, the biggest works being the re-routing of the Taylor from around the then RSA and now Marlborough Club buildings.

The Taylor River as we know it today is a highly modified waterway. Even with all these works the Taylor River still presented a flood threat and because of this the Taylor Detention Dam was built in 1965. The dam reduced the flood flows in the Taylor to about 40% of the previous levels.



Beaver Road, 1963.

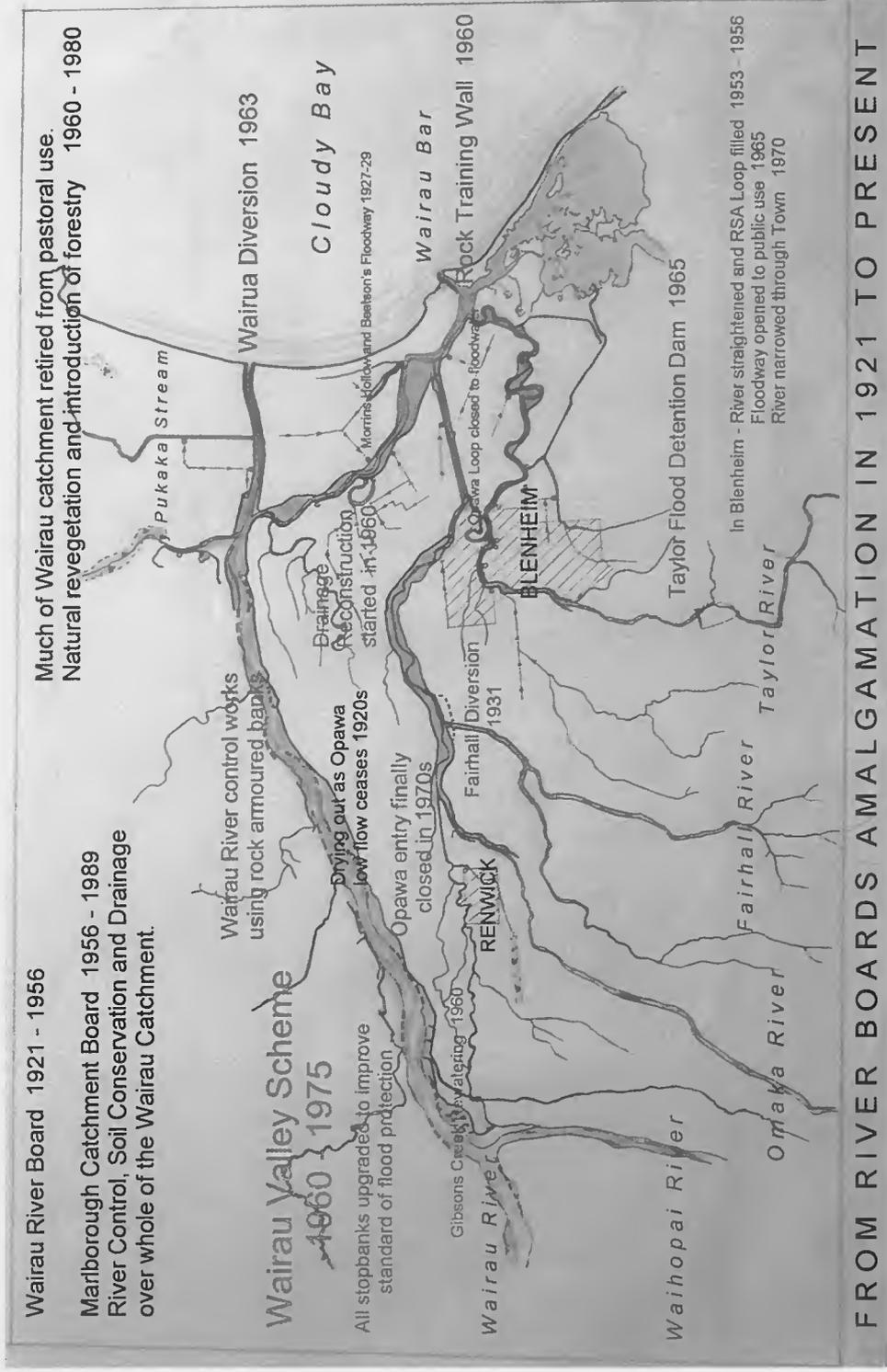
MAORI AND EARLY EUROPEAN - to 1860



MAORI - EARLY EUROPEAN

RIVERS AND FLOODS PAST AND PRESENT – Presented by Peter A Thomson on 04 November 2009.

FROM RIVER & DRAINAGE BOARD'S AMALGAMATION IN 1921 TO THE PRESENT



Images from Braysshaw Museum, Blenheim. Author Peter A Thomson (2009)

Several groups have contributed to the beautification of the Taylor River Reserve, one of the earliest recorded were the Come to Blenheim Association (CBA). The CBA was formed in 1933 and became an Incorporated Society in 1938. The object of the society was to 'attract visitors to Blenheim and to supply the residents of Blenheim and visitors there to such attractions and pleasure resorts as may be possible, for the pleasure, uplift and health of the said residents and to attract the said visitors.'

The CBA spent a large amount of time and money beautifying the banks of the Taylor River on the site of Raupo Café and was involved in the care of the bird aviary near the river which held birds and monkeys in an area called Riverside Park. This was a popular attraction for locals and visitors.

Up to 1965 the CBA estimated it had spent \$150,000 on improvements, which was a large amount of money at that time. This was not including all the voluntary labour and donations of plants, trees and items for their annual bazaars. The association continued until 1 January 1969.



Elephants on the Taylor River Floodway Reserve

A more recent Taylor River project was in June 1999 when Blenheim's Best, in conjunction with the Marlborough District Council Initiated the "Taylor River Reserve Development Project" a major community based project aimed at recognising and developing the environmental, recreational and amenity values of the Taylor River Floodway Reserve.

The focus area of this initial project was from Hutcheson Bridge upstream to the Burleigh Bridge with the intent to integrate with the more highly developed Riverside Park.

The main aim of the project was: To develop the Taylor River Floodway Reserve as a major visual and amenity feature of the town and recreational asset for the use by both residents and visitors alike.

Five major objectives were set out to achieve this aim and included:

1. Increased tree and shrub amenity planting.
2. Riparian edge and panel planting.

3. To maintain or reduce of current reserve maintenance levels through a hard surface cycle /walkway and infillings of grass and low maintenance plantings.
4. Improved facilities for public use.
5. Prevent compromise to the hydraulic capacity and performance of river berms while improving riverbank stability and drainage through battering and stabilisation works.

The project was given a 10 year timeframe which would allow for a staged development approach to the construction of the cycle/walkway, installation of park furniture, signage and car parking.



1.5 Legislative Framework

The role of Marlborough District Council in managing the regions parks and reserves is prescribed by four main Acts; these being the Resource Management Act 1991, Reserves Act 1977, the Biosecurity Act 1993, the Soil Conservation and Rivers Control Act 1941.

The following is a brief outline of these Acts:

1.5.1 Reserves Act 1977

The Reserves Act 1977 is designed to protect public land, identify and protect natural and cultural values and ensure as far as possible the preservation of access for the public.

Under the Act, reserves are classified into seven types and management principles are identified for each type.

The Act also governs what and how things are done within a reserve, ie; use, activities, management, leasing, revocation.

The Taylor River Floodway Reserve is held under a large amount of titles and has a variety of classifications such as River Reserve therefore the Reserve Act rules do not apply, although in preparing this management plan the Reserves Act process has been followed to create consistency with other plans and ensure sufficient public consultation.

1.5.2 Resource Management Act 1991

The Resource Management Act 1991 addresses issues relating to the management of the natural resources of the region and therefore has a number of implications on the day to day management of the Taylor River Floodway Reserve.

The key purpose of the Act is to promote the sustainable management of New Zealand's natural and physical resources.

Natural and physical resources include land, water, air, soil, minerals, energy all forms of plants and animals, and all structures.

Under the Resource Management Act 1991 Council has prepared a Regional Policy Statement and other plans that guide resource use. The majority of the land covered by this document is designated as being required for River Control purposes under the Wairau/Awatere Resource Management Plan and having an underlying zoning of 'Conservation' with a flood hazard overlay. The Plan also contains provisions that may affect the day to day management of the Taylor River Floodway Reserve.

This Taylor River Floodway Reserve Recreation and Amenity plan does not abrogate the need for resource consents for activities within the floodway, nor the requirement for approval from the Rivers and Drainage Engineering Manager regarding activities on the designated land.

1.5.3 Soil Conservation and Rivers Control Act 1941

This Act allows regional councils or unitary authorities (ie; Marlborough District Council) to set up special purpose rating districts for the purpose of:

- (a) The promotion of soil conservation.
- (b) The prevention and mitigation of soil erosion.
- (c) The prevention of damage by floods.
- (d) The utilisation of lands in such a manner as will assist towards achieving of (a), (b) and (c).

Under the auspices of the Soil Conservation and River Control Act the Marlborough District Council carries out works on the Taylor river floodway as part of the Wairau River Floodways Management Plan.

1.5.4 Biosecurity Act 1993

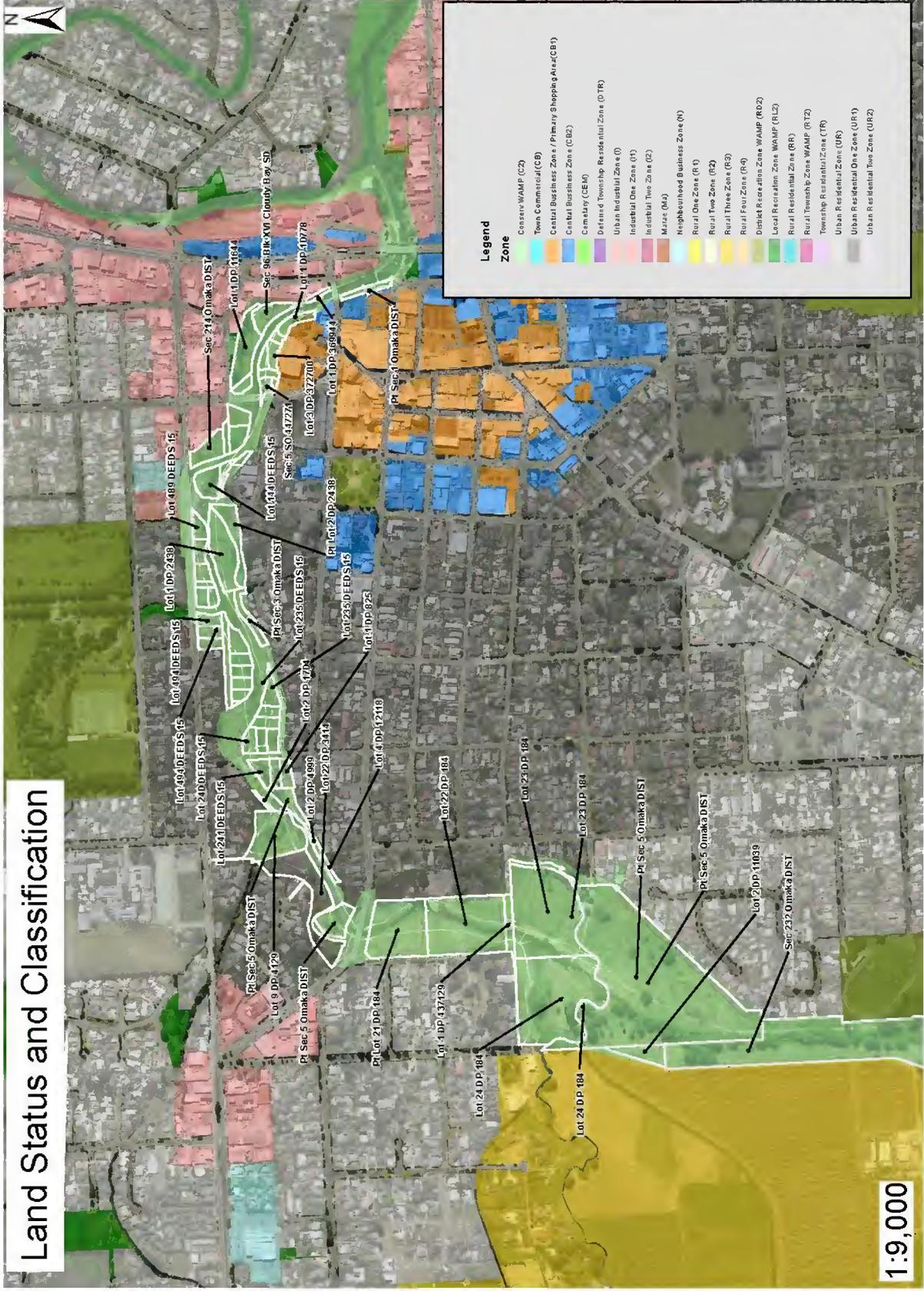
The Bio-security Act provides for the effective management and eradication of pests and unwanted organisms. The Act provides a framework for the management of 'pests' through either a National or Regional Pest Management Strategy.

Council has promulgated a Regional Pest Strategy titled "Regional Pest Management Strategy for Marlborough".

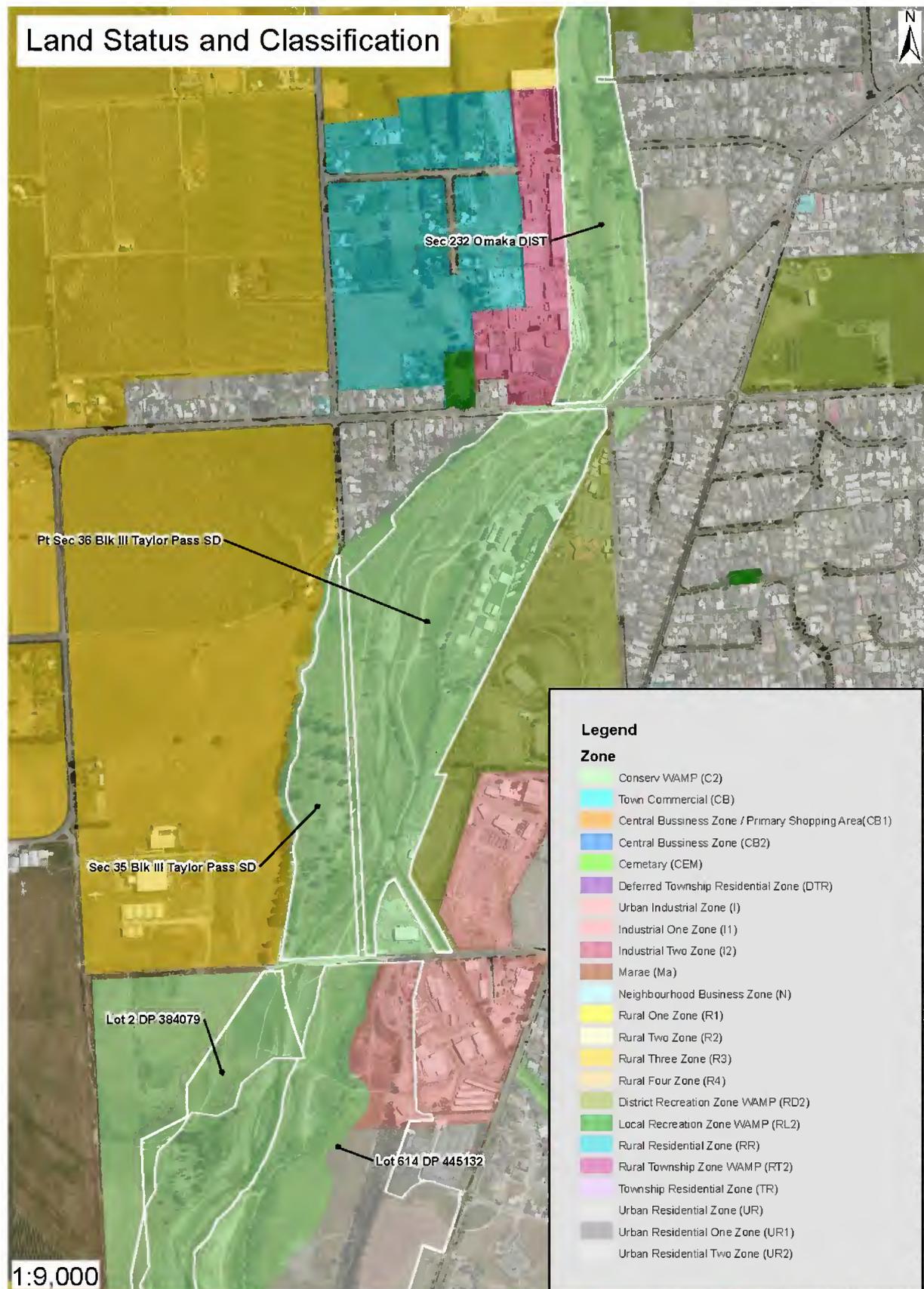
The Strategy provides for the management of various declared plant and animal pests. The strategy has jurisdiction over the entire district, and therefore has implications on the management of the Taylor River Floodway Reserve.

1.6 Overview of Land Status and Classification

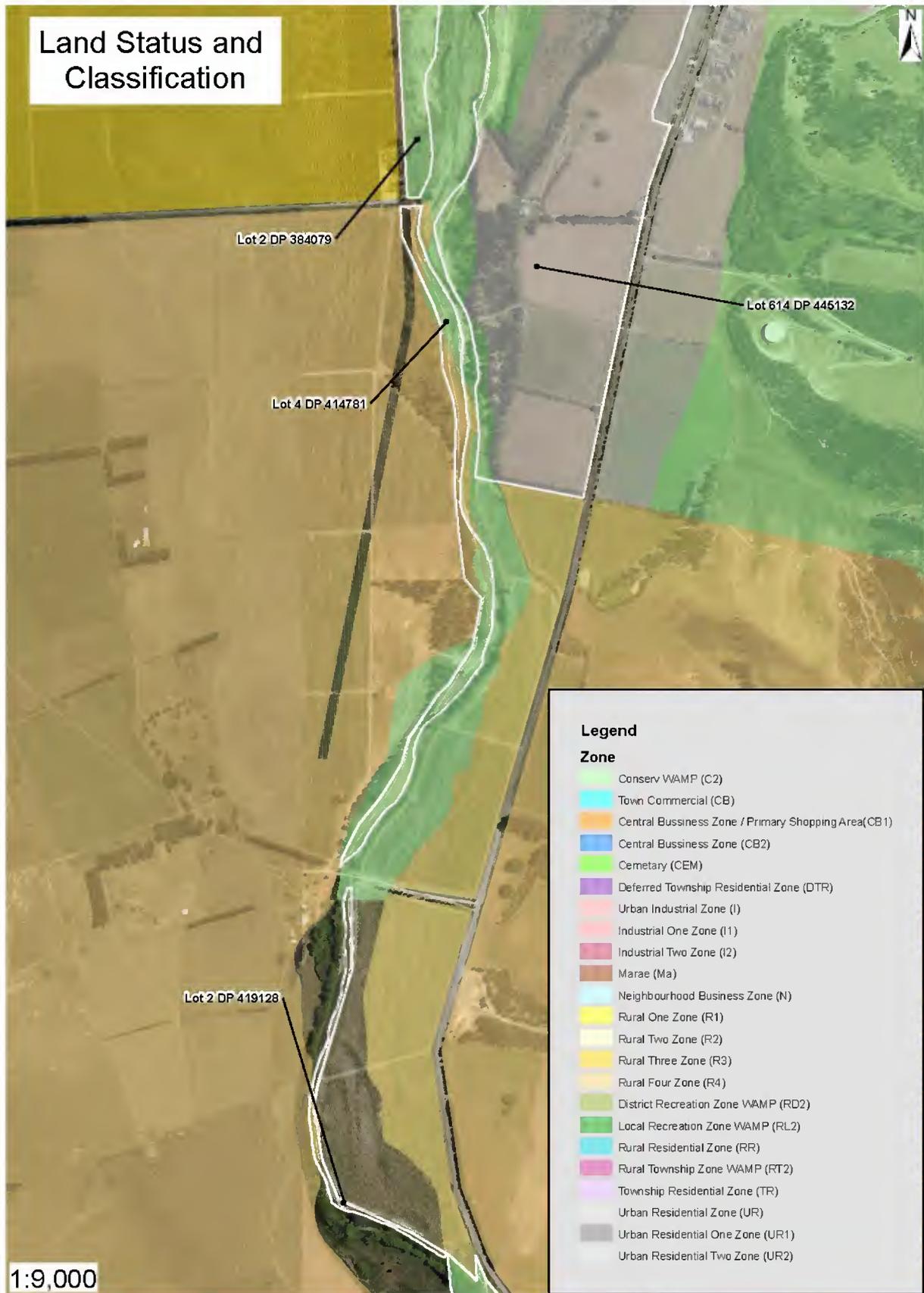
The Taylor River Floodway Reserve is made up of many different titles. The following three maps give an indication of the different legal property lots that make up this reserve.



Map 2



Map 3



1.7 District Plan Zoning

Under the Wairau/Awatere Resource Management Plan the area is zoned Conservation and has a Floodway and River Control designation.

1.8 Adjoining Land

- Industrial One Zone
- Central Business Zone
- Urban Residential One Zone
- Urban Residential One Zone
- Urban Residential Two Zone
- Rural Three Zone
- Industrial Two Zone
- District Recreation Zone
- Rural Four Zone
- Industrial One Zone
- Rural Three Zone
- Airport Zone
- Urban Residential Two Zone.

2.0 General Management Objectives and Policies

2.1 Flood Mitigation and River Management

2.1.1 Channel Management Area

Objectives

To provide for river management and flood mitigation operations safely and effectively while allowing as practical for amenity, ecological and recreational values and users. (Note: The channel management area includes the active river channel and a riparian access margin)

To provide for the free flow of river flows especially floodwater and stormwater drainage flows.

To place and maintain bank protection works to delimit an active channel capable of carrying normal flows, and thus enabling erosion free, stable berm land in the adjoining floodway which can be readily used for amenity, ecological and recreational purposes.

2.1.2 Stopbank Footprint

Objectives

To maintain the structural integrity of the current and possibly new stopbanks.

2.1.3 Access

Objectives

To provide for access of machinery, material and personnel for regular inspection and maintenance of flood mitigation and river management works both within the reserve and to adjoining land when required and consistent with the **Channel Management Area** objectives.

Policies

Ensure unimpeded access to flood control structures and channels for inspection and works within the reserve and on adjacent land.

Ensure suitable access and mobility for heavy machinery required for flood protection works or associated operations are catered for in future development programmes.



Taylor River in Flood, August 2008

2.1.4 Utilities Access Corridor

Objectives

To ensure that existing utilities (fibre optic cable, water supply etc) using the floodway as a corridor are not compromised by other activities.

That any new proposals to use the floodway for new utility corridor purposes have to comply with the other objectives and policies of this plan.

3.0 General Use

3.1 Public Access

Objective

To provide a reserve that is accessible to the community for a range of recreational opportunities.

Policies

Recreational users will have the right to enter on (foot, cycling or horse but not vehicle unless on an assigned carpark) and use the Taylor River Floodway Reserve at all reasonable times and under reasonable circumstances as defined within this plan and determined by Council.

Promote the Taylor river reserve and its linkages to the CBD and other reserve areas.

Promote access between the town centre and the Taylor River Floodway Reserve that follows the objectives and initiatives outlined in the Blenheim Town Centre Plan.

Enable access by a wide cross section of age and physical abilities.

Enhance entry points and signage to reserve parking at key sites to promote its use.

Promote the reserve as a safe walking/cycling route for commuting and recreation users and as an alternative to car use.

Ensure access to the reserve is available for emergency vehicles.

Ensure the railway tracks on the reserve are functional by allowing access and the use of machinery for silt removal and repairs by the Blenheim Riverside Railway Society.

3.2 Track and Route Development

Objective

To provide the public with quality walking and cycling tracks where need exists and it is environmentally, physically and financially feasible.

Policies

Ensure any development and maintenance of tracks/routes complies with SNZ standards.

Provide for regular maintenance and removal of siltation build up on and around paths caused by flooding.

Consider potential damage of flood events when planning the placement and construction of tracks and routes.

Consider potential impediment for river maintenance works when planning, placement and construction of tracks and routes.

Acquire land when the opportunity arises to extend the walking and cycling tracks on both sides of the Taylor River.

Ensure consistent, useful and appropriate signage is provided for track users, for safety direction and advisory purposes.

Ensure that all signage meets the Reserve and Amenities sign policy.

When a new concrete path is constructed on the reserve Council will consider leaving the existing gravel or dirt path as an additional path to minimise conflicting use.



Taylor River Floodway Reserve pathway and railway track

3.3 Car Parking

Objective:

To provide off-street car parking that meets the Wairau/Awatere Resource Management Plan requirements.

Policies:

Allow adequate space for the development of formal sealed off-street car parking.

Apply and maintain principles consistent with CPTED (crime prevention through environmental design) in the design and maintenance of reserve car parks within the vicinity.

Control vehicle activity after dark including the locking of vehicle access if required.

Allow adequate space for overflow parking for an event on the reserve.

3.4 Future Reserve Land Acquisition

Objective

To acquire future land that enhances the Taylor River Floodway Reserve.

Policy

Where possible and financially feasible Council will acquire esplanade strips, reserve or freehold land to enhance the Taylor River Floodway Reserve.

3.5 Levels of Maintenance

Objective

To provide for a variety of recreational experiences by allowing different levels of maintenance throughout the reserve.

Policy

The Reserve area near the Central Business Zone will retain a high level of maintenance to allow for more formal recreation activities.

The reserve area near the Taylor Dam will retain lower levels of maintenance to ensure the 'wilderness' character remains.

4.0 Prohibited Activities

4.1 Activities

Objective

To prohibit activities from occurring that would have an adverse effect on the flood mitigation and river control objectives of this plan; or would detrimentally impact on the amenity, ecological and recreational values of the Taylor River Floodway Reserve.

Policies

The following activities on the Taylor River Floodway Reserve are not permitted:

- The lighting of fires
- Rubbish dumping
- Incineration of any material
- Camping or overnight parking
- Use, parking or storing of any unauthorised motorised or non-motorised vehicle on the reserve
- Activities that are in contradiction to the Reserves Act
- Activities that create a safety risk for other reserve users.

4.2 Dogs

Refer to Council bylaws for restrictions on dogs in this reserve.

4.3 Alcohol

Refer to Council Bylaws on Alcohol. The Council can place conditions on the use of alcohol in reserves including partial and total bans.

5.0 Recreation and Leisure

5.1 General Recreation

Objective

To provide a diverse range of recreational opportunities that meets the needs of the community.

Policies

Recognise, acknowledge and accommodate changes in recreational demand where appropriate and consistent with other objectives and policies stated in this plan.

Maintain areas for passive recreation.

Capitalise on large open spaces with the potential for regular organised club based activities and event staging.

5.2 Cycling/ Pedestrians

Objective

To ensure pedestrians and cyclists use the reserve tracks in a safe manner.

Policies

Ensure cyclists and pedestrians adhere to the following code of conduct:

Shared Path

The Taylor River Floodway Reserve path is a shared path

It is a low speed environment

All users

Please keep left
Move off the path if you stop
Respect other users

Cyclists/Mobility Scooters

Slow down and be prepared to stop for pedestrians - children and dogs are particularly unpredictable

Slow down near blind spots like bends and junctions

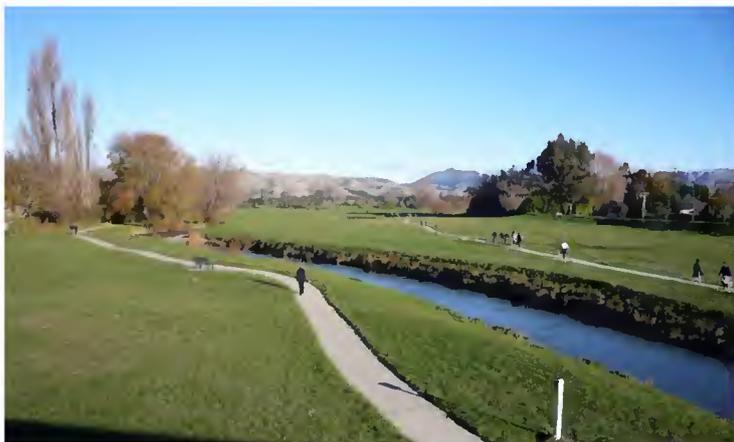
Approach rail crossings at 90 degrees

Be cautious of uneven path edges

Dog Owners

Keep your dog under control





People on the Taylor River Floodway Reserve Pathway

5.3 Organised Events and Short Term Activities

Objective

To allocate an area for organised events and activities so it does not create a significant impact on other reserve users.

Policies

Council may allocate an area for events subject to the event or activity not being contrary to the objectives listed in this plan.

For approval to be granted by Council, the special event or activity must be of a recreational or community nature which complements or enhances use of the Reserve.

The impact of special events or activities will be managed in a way as to avoid over allocation of resources.

Applications for the holding of special events and activities within the Taylor River Floodway Reserve must be submitted to Council at least three weeks prior to the event being held.

Council may from time to time close part of the Taylor River Floodway Reserve for the purpose of allowing an approved special event or activity to occur. Organisations staging such events may be charged a rental fee and may in turn charge a fee to public to enter the Taylor River Floodway Reserve to view or participate in the event. Such closures and the charging of fees will be subject to the provisions and requirements of Section 53(1)(e) of the Reserves Act 1977.

Exclusion of the public from any part of the Taylor River Floodway Reserve will only be for a limited period and only when absolutely necessary. Appropriate notice of such exclusions will be given in accordance with the provisions of the Reserves Act 1977.

In order to protect the Taylor River Floodway Reserve environment and health, safety and wellbeing of Reserve users, restrictions may be implemented on activities identified throughout this section, relating to:

1. Size of the group.
2. Location.
3. Duration.

4. Time of day.
5. Season or time of year.
6. Infrastructure conditions.
7. Environmental conditions.
8. Anticipated impacts.

Council reserves the right to cancel or postpone an event at any time due to extreme fire risk or other unforeseen situation arising.

5.4 Leases, Licences and Permits

Objectives

To allow for the occupation of the reserve for approved uses and facilities by the granting of lease, licence or permit.

To allow the use of the reserve for special activities where that use is compatible with the purpose of the reserve area.

To undertake a case-by case assessment of activities that is not covered by this plan.

Policies

Activities that require approval, include, but are not limited, to:

- All commercial activities on reserve land
- Activities that require exclusive use of, or part of, the reserve including public and private events
- Telecommunication and radio- communications stations.

Written applications for a lease, licence or permit shall be made to Council at least three weeks prior to the event being held.

6.0 Buildings Structures and Facilities

6.1 General

Objective

To ensure all buildings, structures and facilities are compatible with the Flood Mitigation and River Management objectives.

Policy

All new buildings, structures and facilities will be assessed on their impact on the flood hazard zone.

6.2 Visitor Facilities

Objective

Ensure the reserve users are aware of the features, facilities and safety aspects within the reserve.

Policies

Facilitate safe and non- conflicting recreational experiences.

Manage competing demands for highly used resources and sites.

Protect natural and cultural resources and promote environmental awareness.

6.3 Signage/ Interpretation

Objective

To ensure consistent sign information in line with the Parks and Reserves sign policy.

Policies

All applications for signs on any Council reserve must be made in writing to Council.

Requests to place advertisement signage in the reserve will be considered on a case by case basis.

All Council signage must meet the requirements of the parks and reserves sign policy.

6.4 Seating

Objective

To provide adequate seating of a high quality and ensure they are regularly maintained.

Policies

Seating will continue to be added to the reserve.

When new seating is acquired the current seating design and placement will be taken into account.

6.5 Rubbish Bins

Objective

To promote a responsible litter message.

Policies

Council will promote a responsible litter message where people are encouraged to take their rubbish out of the reserve.

Where deemed necessary some bins will be provided, which is likely to be closer to the CBD.

When new rubbish bins are acquired the current rubbish bin design and placement will be taken into account.

6.6 Fences

Objective

To erect fences or barriers where required to ensure that the reserve can be used safely with a design that does not compromise Flood Mitigation and River Management objectives.

Policies

Where conflict of use occurs between the reserve and adjoining private land, Council will consider the use of barriers.

No vehicle access onto reserve land to or from private property will be permitted.

6.7 Gifts and Commemorative Features

Objective

To ensure that any bequeathed gifts and commemorative features are managed in a sustainable manner and are beneficial to the reserve and reserve users.

Policies

Council will consider on a case by case basis any requests from individuals and/ or community organisations for the gifting and/ or sponsorship of reserve features.

All proposals will be assessed in relation to the following criteria:

- The compatibility of the proposed feature in relation to the character and use of the reserve
- The benefit to the reserve users
- The ease and cost of maintenance and whom is responsible
- The relevance of the feature to the community and its appropriateness.

Any council approved feature or gift may be acknowledged through the attachment of a small engraved or cast metal plaque associated with the feature. Where a gift or commemorative feature requires removal, it may or may not be replaced.



Cancer Society Marlborough Relay for Life Memorial Garden

6.8 Lighting

Objective

To provide lighting where need exists and it is environmentally, physically and financially feasible.

Policies

Lighting will be developed in line with the development plan.

6.9 Amphitheatre

Objective

To promote the amphitheatre as a focal point of the reserve.

Policies

Encourage the use of the amphitheatre for events where appropriate.

Encourage the use of the amphitheatre for passive recreation.



Opening of the Amphitheatre, 2004

6.10 Playground

Objective

To develop and provide opportunities for children's play as shown on the development maps.

Policies

Playground structures will meet all required playground safety guidelines and regulations.

Ensure that the play area is close to main circulation routes and is clearly visible from surrounding areas.

6.11 Public Toilets

Objective

To provide public convenience at locations indicated on the development maps when needs permit.

Policy

Public conveniences will be provided where necessary and when funds are available.

Public conveniences will be maintained to Council standards.

Ensure new toilets are close to main circulation routes for safety reasons.

7.0 Landscape, Amenity, Environmental and Natural Values

7.1 Landscape, Character and Amenity

Objective

To protect and enhance the intrinsic and landscape values of the Taylor River Floodway Reserve and surrounding environment.

Policies

Encourage recreational experiences to consider the impact on the river and vegetation.

Retain and enhance the green character of the park.

Preserve the natural qualities of the riverside walkway and cycleway.

7.2 Vegetation

Objective

To provide areas throughout the reserve for plantings.

Policies

Ensure plantings not in conflict with recreational areas or opportunities.

Ensure vegetation is maintained to an appropriate standard in respect to the character within that river section.

Ensure that plantings are consistent with Flood Mitigation, River Management and Landscape, Amenity, Environmental and Natural objectives.

When new vegetation is planted the impact of flooding and harsh growing conditions will be taken to consideration.

7.3 Habitats and Ecosystems

Objective

Allow for the promotion of protection of indigenous habitats and ecosystems while taking into account Flood Mitigation and River Management objectives, and ecological and recreation requirements.

Policies

Identify and implement opportunities and mechanisms for the encouragement of primarily indigenous, and other wildlife when appropriate.

The design and type of any new plantings within the channel management area, or stopbank footprint area to require the approval of the Rivers and Drainage Engineering Manager.

The design and type of any new plantings will not compromise Utility Access Corridors.

Ensure plantings acknowledge water quality impacts, with the aim of improving water quality and in-stream natural values.

Allow opportunities for education on water conservation and ecosystem protection.

7.4 Tree Removal

Objective

To maximise the benefits of trees while avoiding or mitigating the adverse effects on reserve users and neighbours.

Policies

Tree removal from the reserve is covered in the Reserves and Amenities policy for tree removal.

River control plantings can be removed at the discretion of the Rivers and Drainage Engineering Manager.

Plantings in conflict with the flood mitigation and river management objectives can be removed at the discretion of the Rivers and Drainage Engineering Manager.

7.5 Heritage

Objective

Protect and display, where appropriate, the history of important heritage sites for the enjoyment and education of existing and future generations.

Policies

Historic sites and values within the reserve will be protected, preserves or maintained in accordance with Chapter 3 - Heritage of the Wairau/Awatere Resource Management Plan.

Endeavour to increase public awareness of historic sites and values within the reserve through interpretation and other methods.

8.0 Public Management and Co-operation

8.1 Community Values and Partnerships

Objective

Ensure that the Taylor River Floodway Reserve reflects the needs and values of the community.

Policies

Provide enhanced opportunities for public involvement in activities and projects centred on the Taylor River Floodway Reserve.

Support individuals, voluntary groups and agencies, where their actions are in line with the management plan.



Unveiling of the Writers' Walk Poetry, 2011

8.2 Neighbouring Property

Objective

To encourage neighbours to be responsible reserve users.

Policy

Every attempt will be made to mitigate undesirable effects of development on neighbouring properties. However, the final decision is Council's and the benefits to the community must be weighed against the costs to individuals.

8.3 Encroachment

Objective

To prohibit the division of public reserve land by encroachment from adjoining properties.

Policies

Encroachments onto public reserve land will not be permitted.

Where encroachment occurs Council will:

- Give notice to the encroacher(s) requiring termination and removal of the encroachment, and reinstatement of the encroached area to the satisfaction of the Council within a specified timeframe, at the owners cost.
- Where removal and reinstatement does not occur, then the Council may carry out the removal and reinstatement and recover costs by way of proceedings through the District Court or if necessary through prosecution.

9.0 Policy and Management Plan Review

The policies contained within this Plan will be kept under continuous review in accordance with Section 41 of the Reserves Act 1977.

In accordance with Council policy on District Recreation Reserves, this Plan will be subject a full formal review within 10 years of being approved.

10.0 Current and Future Development Maps

The following maps outline the current features and the intended development direction for the Taylor River Floodway Reserve. The future features outline a direction for future development and will be used as a tool to assist the placement of future projects on this reserve.

Map Subgroups

The numbers located on the maps refer to:

1- Plantings

Plantings will be a mixture of riparian, arboretum, tussock and specimen. Any planting in the channel management area will require approval of the Rivers and Drainage Engineering Manager and would likely be small sections of riparian planting to allow for heavy machinery access. Plantings also have to take into account utility access corridors.

2- BBQs

3- Dog Park

4- Events area

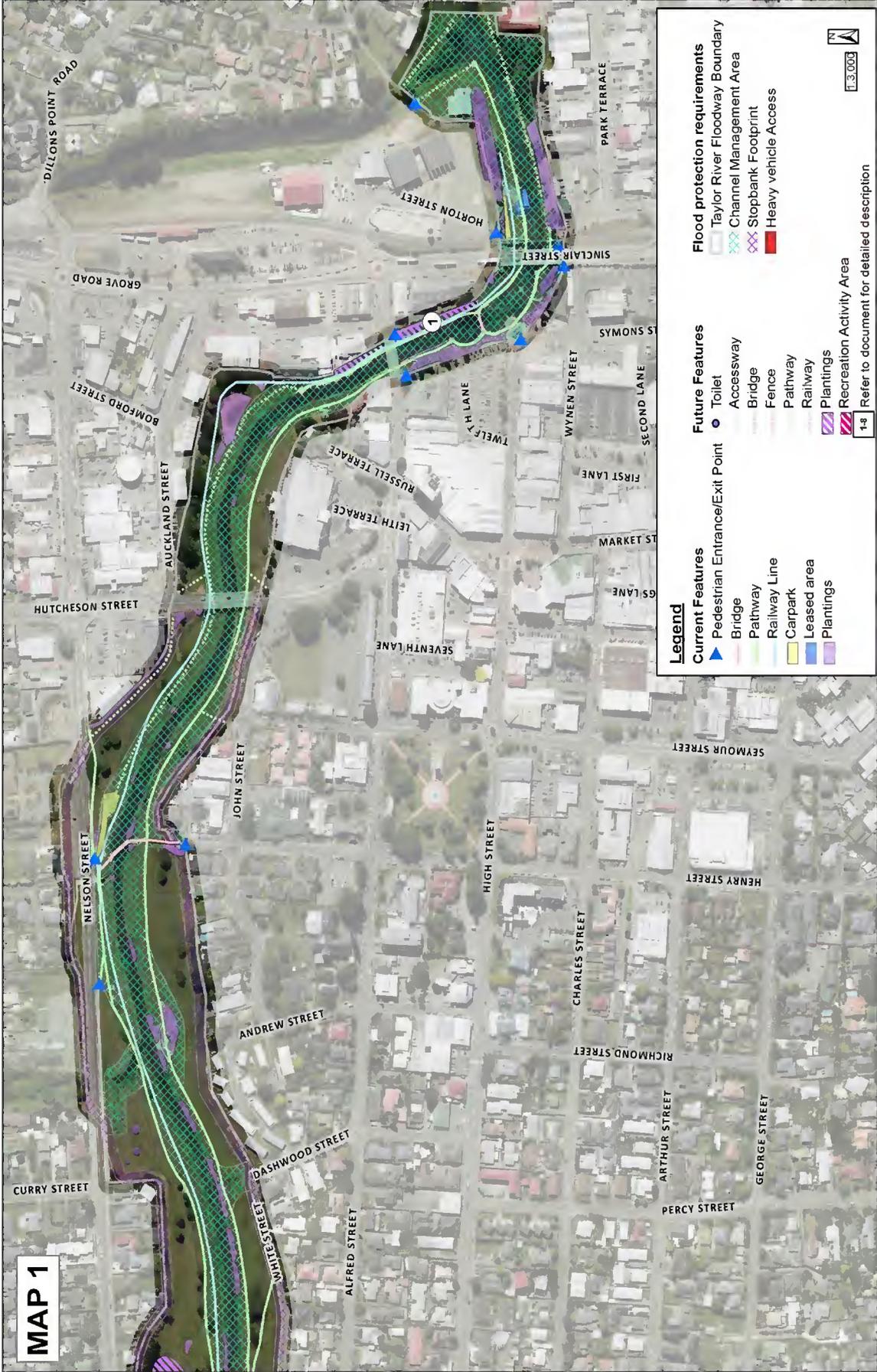
5- Designated Recreation Area

Area reserved for formal recreation activities to be determined as demand requires.

6-Playground/ Obstacle Course

7- BMX Track

8-Carparking



MAP 2

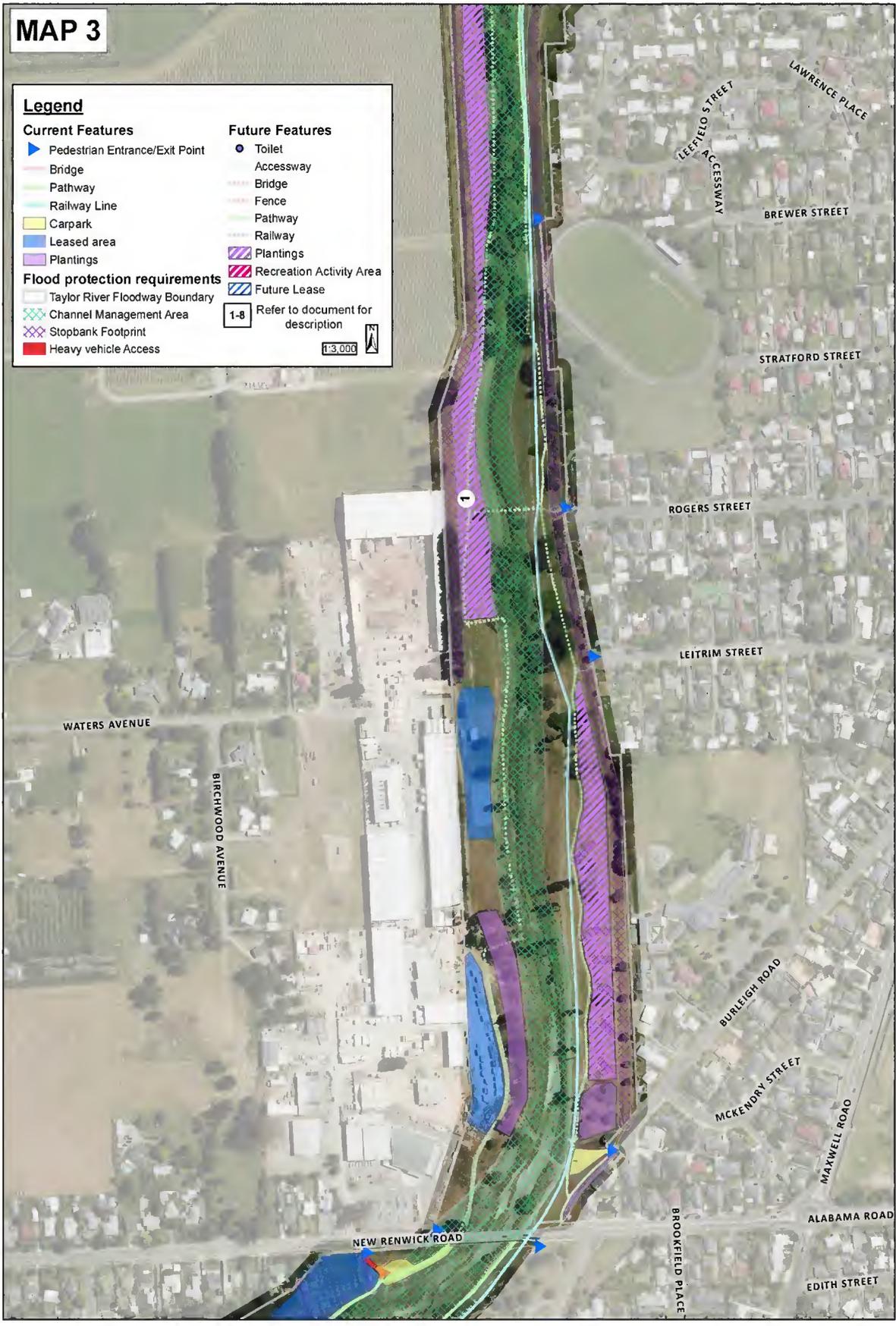


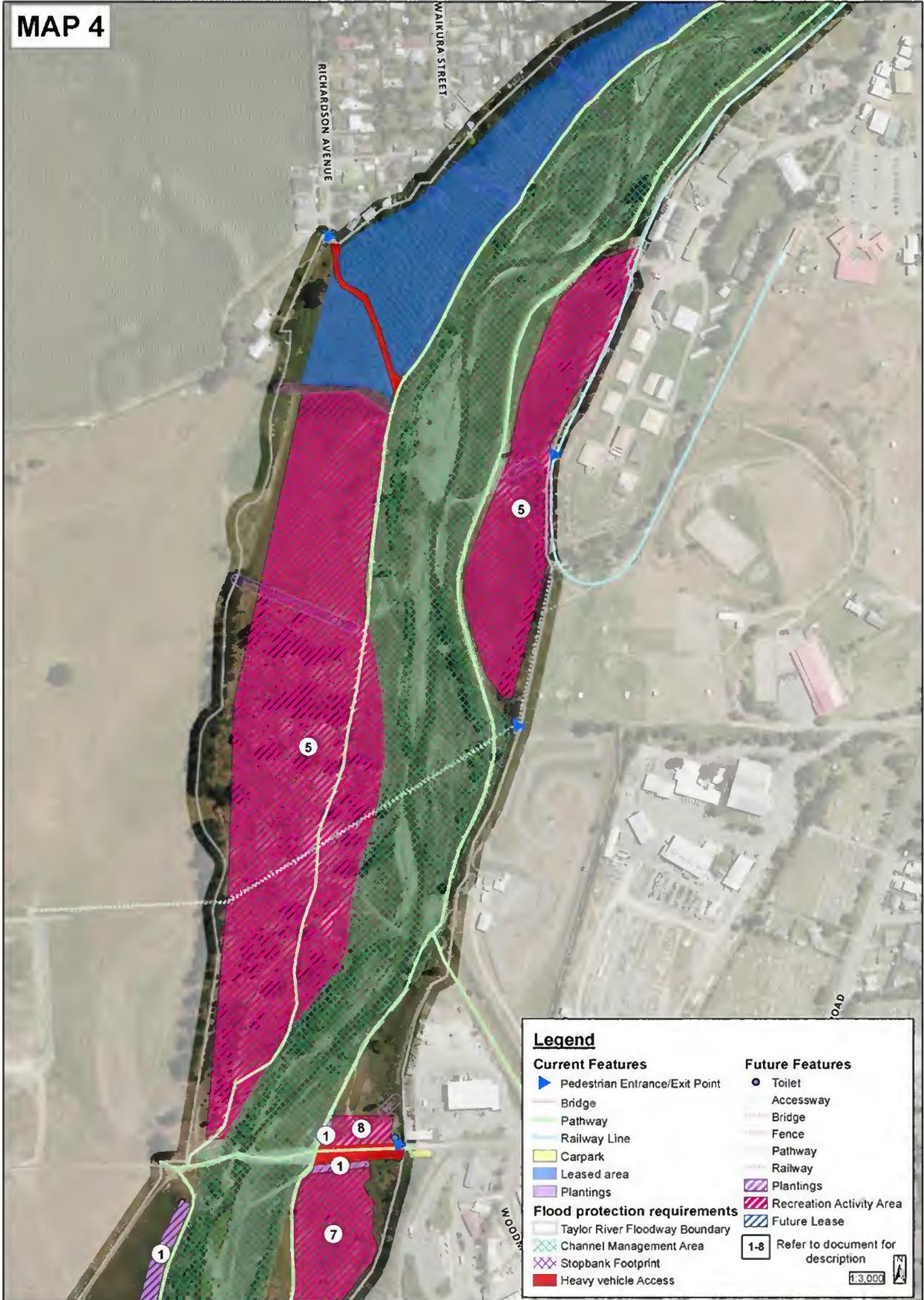
MAP 3

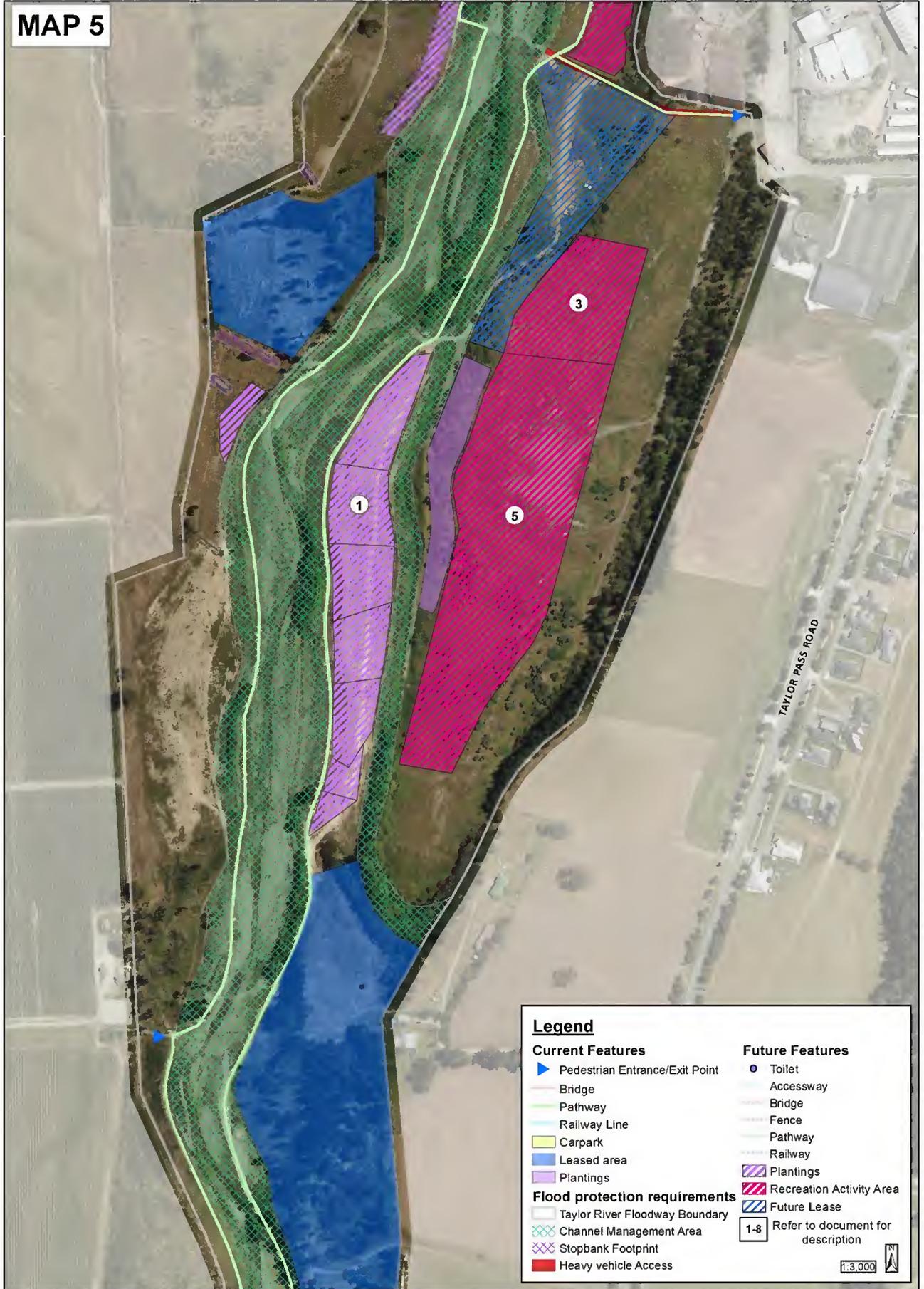
Legend

Current Features	Future Features
▶ Pedestrian Entrance/Exit Point	● Toilet
— Bridge	— Accessway
— Pathway	— Bridge
— Railway Line	— Fence
■ Carpark	— Pathway
■ Leased area	— Railway
■ Plantings	■ Plantings
Flood protection requirements	■ Recreation Activity Area
□ Taylor River Floodway Boundary	■ Future Lease
■ Channel Management Area	1-8 Refer to document for description
■ Stopbank Footprint	
■ Heavy vehicle Access	

1:3,000







MAP 7



Appendix 1 - Taylor River Planting and Enhancement- Proposed Riparian and Specimen Tree Planting

The following is the submission to the Taylor River Floodway Reserve Recreation and Amenity Plan from the Marlborough Landscape Group. The planting plan provides an overall plan for enhancing the reserve area with planting. The Marlborough Landscape Group aims to complete the planting in stages and will be encouraging community involvement in all plantings. This plan will also be used as a guide for any community groups/people that wish to donate or sponsor plantings. All plantings must be approved by the Council Rivers and Reserves Section.

Marlborough Landscape Group Submission to the Taylor River Recreation and Amenity Management Plan – February 2013

The Taylor River stretches some 10 kilometres, from the Taylor Dam to the rivers confluence with the Opawa River in the town's centre. The width of the Floodway reserve varies along this distance however the floodway channel covers in excess of 100 hectares.

Development of the more urban areas of Taylor River Floodway Reserve has transformed it into a high quality passive recreational space, with increasing interest and use of the area.

As a result of the changing nature of recreational and commuter activities undertaken by the public and the expected future increase in demand to utilise this space, a plan that sets out objectives, policies and that guide's effective reserve management is required.

Overriding purpose

It is important to note that the overriding purpose of the reserve is flood control and where any conflicts arise flood control takes precedence.

Benefits of planting

Appropriate planting for river control, amenity, shade and shelter, wild life habitat and water quality are significant considerations when planning for further enhancing the Reserve.

Ground conditions

Upstream above Athletic Park, the ground conditions become drier and stonier with more difficult growing conditions, therefore planting proposals below, reflect this.

Native riparian and amenity tree plantings primary focus

The primary focus for the group is the stretch of river reserve between High Street and Burleigh Road Bridges; however scope exists for additional planting downstream to infill blank riparian areas, and upstream with suitable dry-land species at key locations up to the dam. It is proposed to gradually remove and replace the invasive crack willows, which currently dominate the channel. Willow removal is proposed along the eastern side first in stages, with removal along the western side once replacement plantings establish.

A key component of the group's proposal is to replicate upstream of the High Street Bridge, the successful riparian plantings installed approximately ten years ago between High and Hutchison Streets, as part of the Taylor River Development Project. Additional specimen tree and grove plantings are also proposed using suitable species for each zone, and these can extend up to the dam in appropriate sites.

Plantings, as evidenced below the High Street Bridge, increase the aesthetic and ecological values of the Taylor River Floodway Reserve.

The attached three plans identify proposed staged planting and identify various types of planting within the river corridor.

Riparian Plantings

- It is acknowledged that additional riparian plantings will be located within the River Management Corridor and so any planting will need Rivers input and approval. It is proposed to undertake these plantings on lower moist terraces, with earthworks and/or rock work possible to create a lower terrace, as occurred with earlier plantings. Preparation and planting will be done in stages, for funding purposes and to ensure ongoing maintenance can take place to aid plant establishment.

The methodology has been broken down into these various steps:

- Willow tree poisoning and/or pre site spraying of perennial weed species, as evident in many sites
- Willow felling and removal within three months after poisoning, leave poisoned stumps in ground
- Earthworks and/or rock work done prior to planting, if any
- Planting done early spring to capture spring rains
- Post plant weed control and care.

Specimen tree planting

Single stem specimen shade trees are envisaged in the identified sites, using a mix of exotic and native species. Large feature trees or tall growing native species, eg; totara, matai or narrow-leafed lacebark are also proposed in strategic locations along the river margins. Groves of hardy tree species are also proposed in harsher, drier locations.

Careful species selection will be required to suit ground conditions and planting done, early spring to aid establishment before summer heat. Initial watering for three years is proposed, or drip-line irrigation installation if cost-effective.

Staged Planting Programme

Stage 1 - High Street Bridge to Doctors Creek Confluence/Purkiss Street

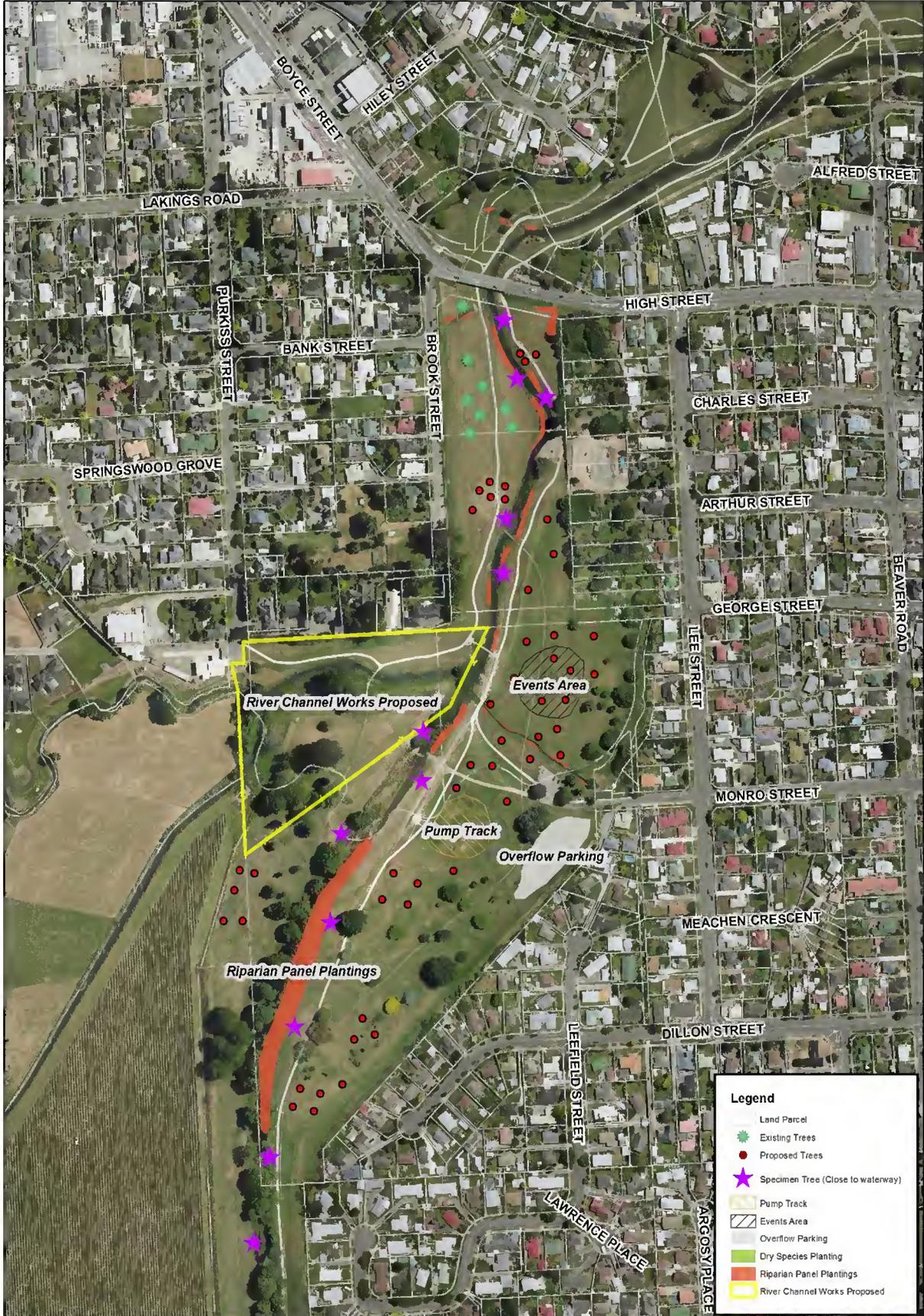
Riparian Planting – panel planting alternating along the main channel upstream of the High Street Bridge, also along tributaries where feasible. Also a mixed native planting and path installation on the south eastern corner of the High Street Bridge. No willow tree removal is required in these locations.

Stage 2 – Doctors Creek Confluence/Purkiss Street to Dillon Street

Large Riparian Planting – Proposed long panel of planting south of the gravel trap by Monro Street through to the end of Dillon Street, and a smaller panel directly opposite Monro Street.

Stage 3 – Dillon Street to Burleigh Bridge

Another large riparian panel planting of 1100 square metres is proposed utilising a moist low terrace between Brewer and Rogers Street.



Map Stage 1

Taylor River Planting & Enhancement





Map Stage 2

Taylor River Planting & Enhancement





Map Stage 3

Taylor River Planting & Enhancement

