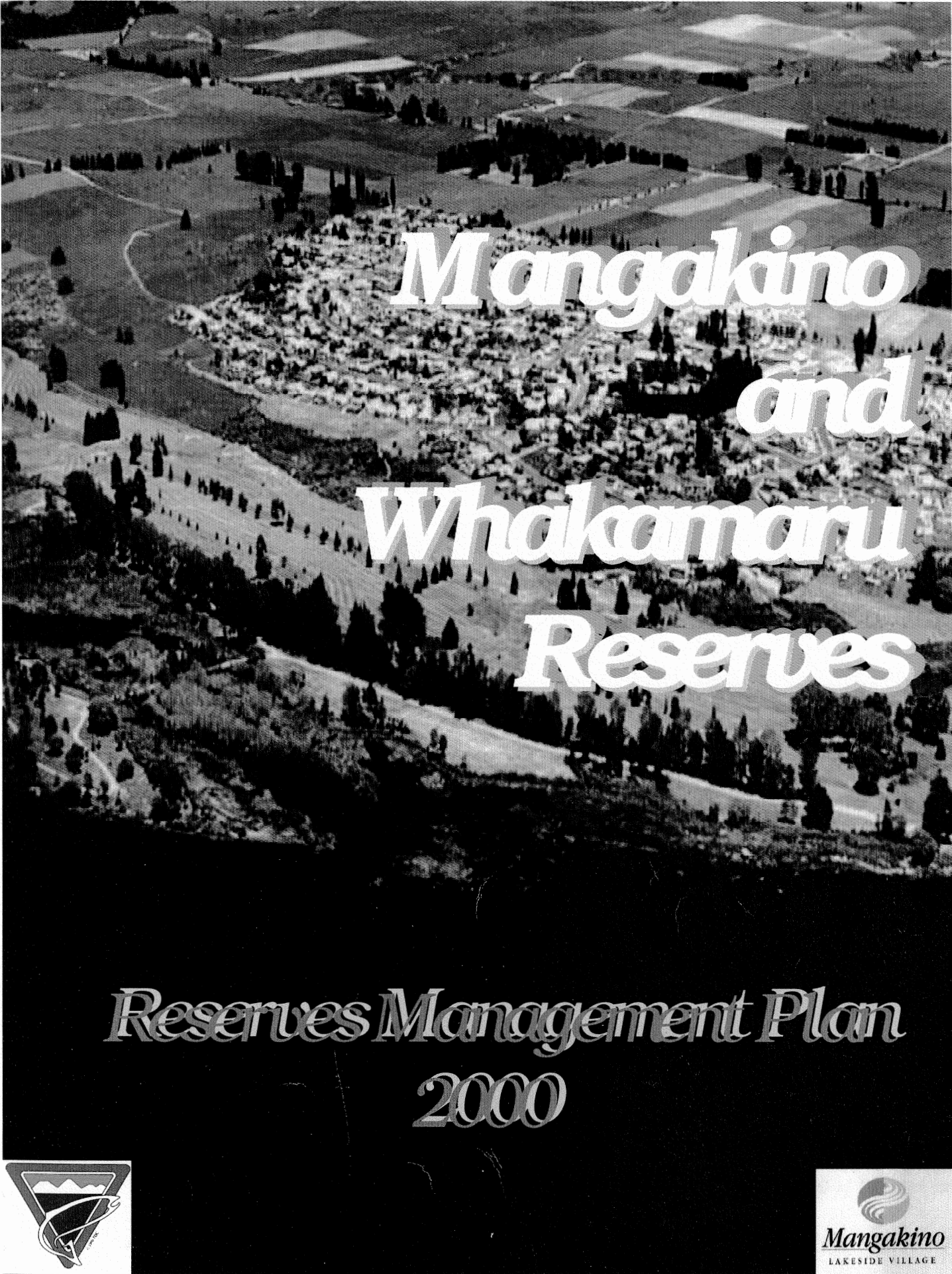
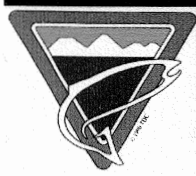
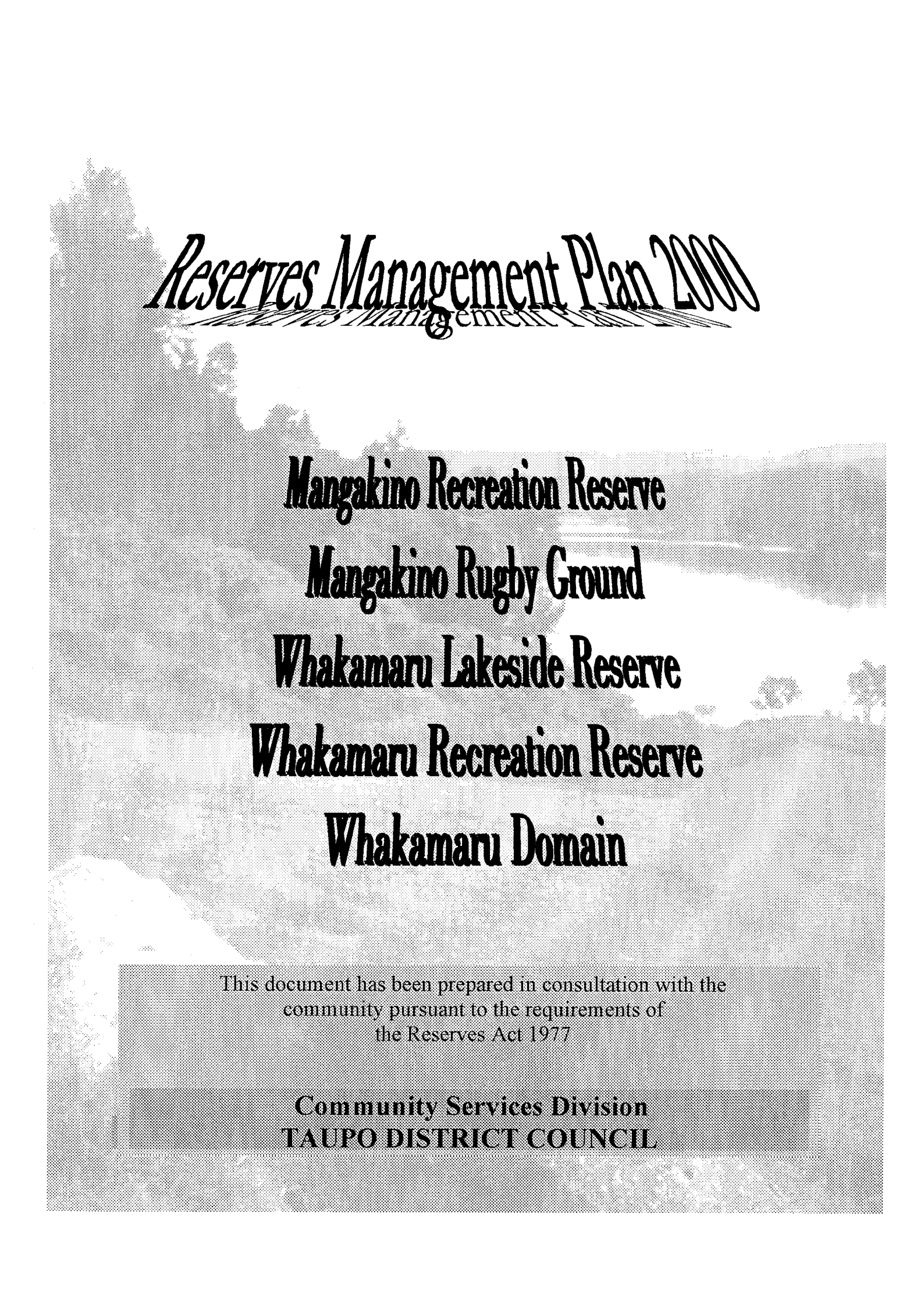




Mangakino and Whakamaru Reserves

*Reserves Management Plan
2000*



The background of the entire page is a grayscale photograph of a scenic landscape. It features a calm body of water, likely a lake, with a dense forest of trees lining the far shore. The sky is overcast, and the overall tone is serene and natural.

Reserves Management Plan 2000

Mangakino Recreation Reserve

Mangakino Rugby Ground

Whakamaru Lakeside Reserve

Whakamaru Recreation Reserve

Whakamaru Domain

This document has been prepared in consultation with the
community pursuant to the requirements of
the Reserves Act 1977

**Community Services Division
TAUPO DISTRICT COUNCIL**



Dear Reader

The purpose of this management plan will be to facilitate the most appropriate use and the proper and continued management of the reserves by **providing guidelines for their development, planning, management and ultimate use**. This plan document is to be read in conjunction with "**How We Manage Your Reserves**" which provides the reader with statutory information in relation to reserve management.

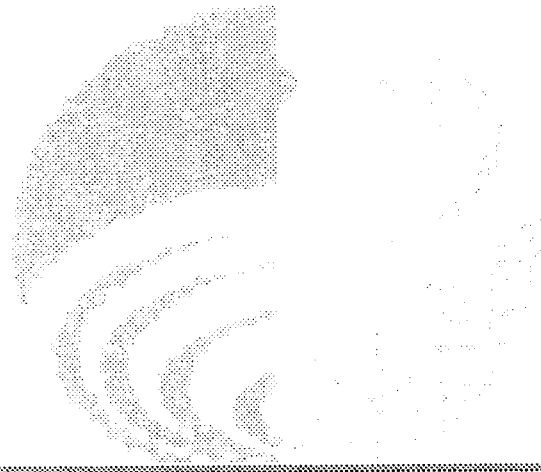
The plan addresses the ecological, community and economic environments, and from them **derives a goal, management objectives and policies for management of the reserves**, concluding with an **overall concept** for development. In order to achieve this, a detailed examination of the background to the reserves, their resources, present uses, commitments and future use, was necessary.

Where possible, management policies have been prepared that are flexible enough to cope with changing needs, yet still meet stated objectives. However, it is recognised that management issues will change with time and some future revision of policies may be necessary. This plan will however remain effective until a reviewed plan is approved.

It is the **intention** that the management plan should be used **as a reference and working document to facilitate the further development** and use of the reserves and to ensure that decision making and administration is compatible with the stated goal, management objectives and policies.

It has been prepared after consultation with the community, users of the reserves and other relevant organisations. It is therefore a statement of intent by the Council and a reflection of the expectations of the community.

In places some repetition occurs. This has been unavoidable due to the plan's dual function for reference and as a working document. It has been necessary to repeat information under different sections to ensure a full understanding of all the circumstances is given to the casual reader. We apologise to those people who intend to read the plan from cover to cover.



Principle Statement

Mangakino

LAKE SIDE VILLAGE

**To manage the Mangakino and Whakamaru Reserves
in a way that ensures the sustainable development of the
reserves for the benefit of present and future communities**

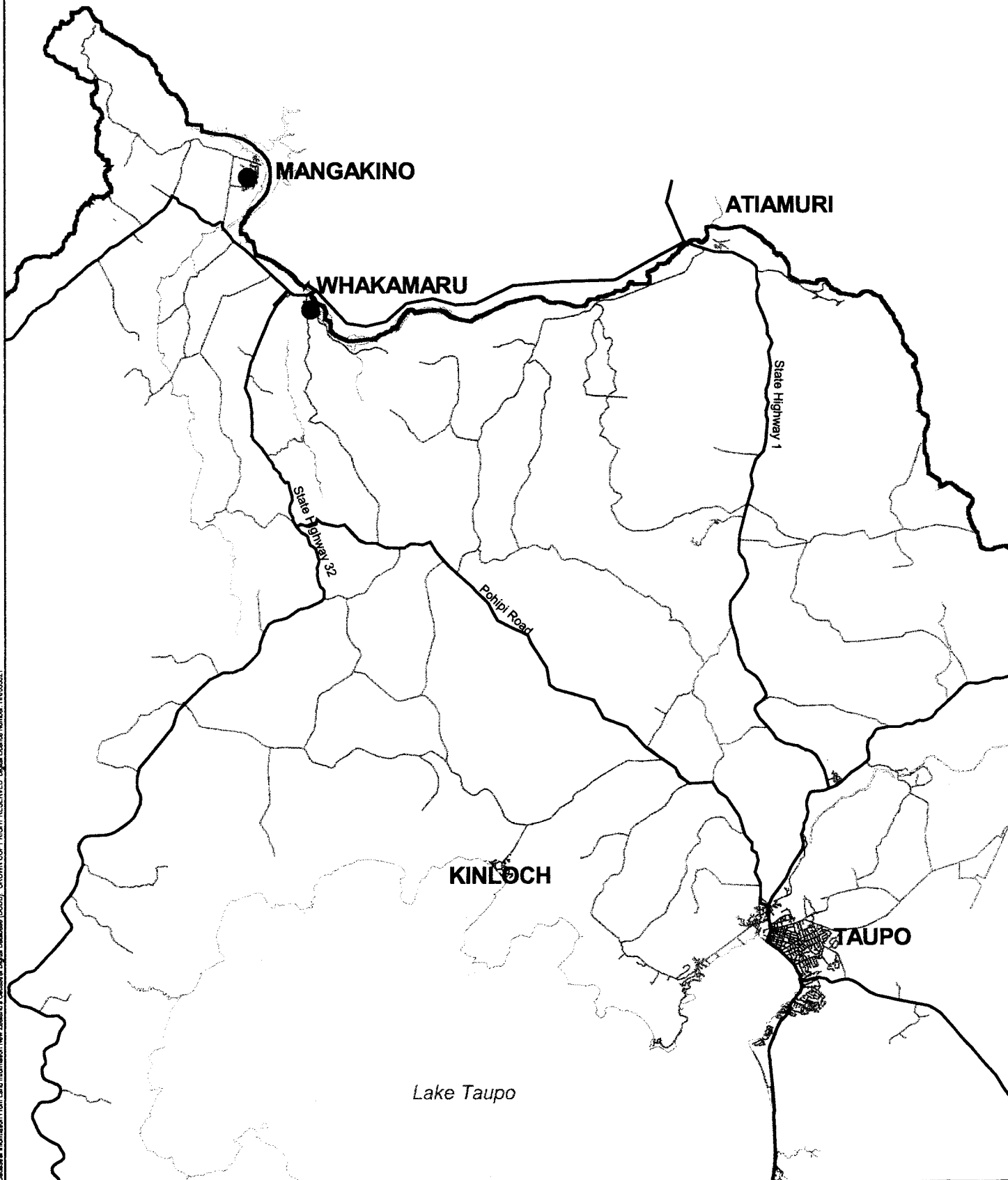
Mangakino and Whakamaru Reserves



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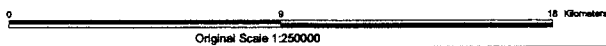
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Mangakino & Whakamaru Location

In relation to Taupo District

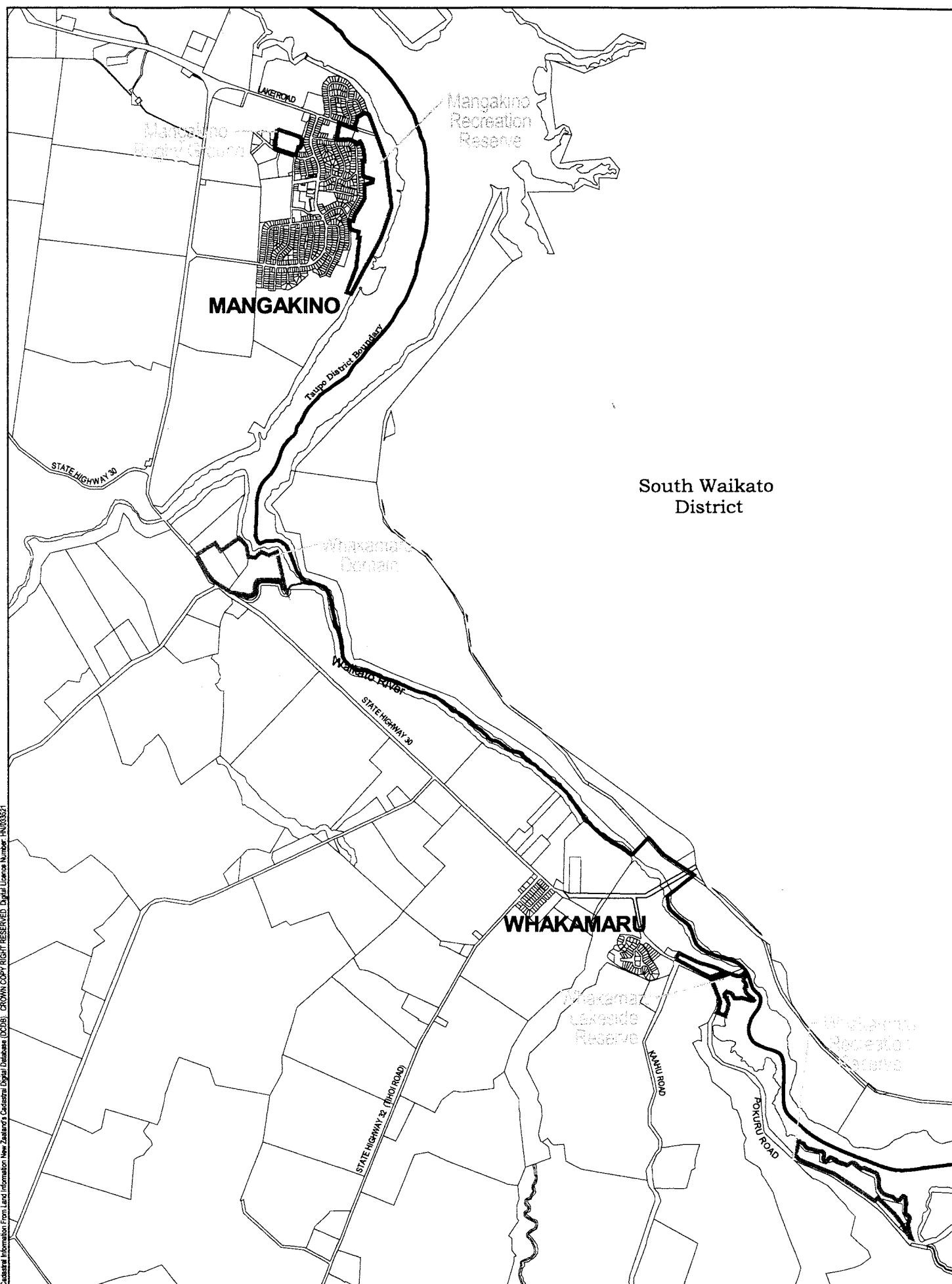


Legend

- District boundary
- State highways
- Roads
- Lakes and Rivers

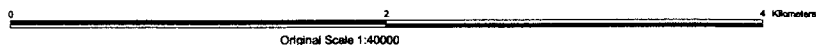
Map created by GIS - Tracey May
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 v:\res management \Manga & Whaka Location

Cadastral Information From Land Information New Zealand's Cadastral Digital Database (CDB). CROWN COPY RIGHT RESERVED. Digital Licence Number: HN03321



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Mangakino & Whakamaru Reserves Location Plan



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Management plans/whanga & whaka me location



The Community

Mangakino

Mangakino is nestled on the shores of Lake Maraetai in the heart of the North Island. It is surrounded by lakes, forests, farmlands and wilderness areas, making it the perfect place to enjoy a quiet lifestyle, easy access to a variety of outdoor pursuits, in an unspoiled natural environment.

The town originated in 1945 when the government leased a block of land from Ngati Kahungunu O Wairarapa for a service town for the construction of dams and power stations (Maraetai and Whakamaru) along the Waikato River. This was in accordance with official policy of the time which encouraged the development of hydro- electric power stations down the Waikato River.

The Mangakino of today is much different from the Mangakino of yesterday. The town's economy is based upon agriculture, forestry, retail and social services, where once electricity dominated.

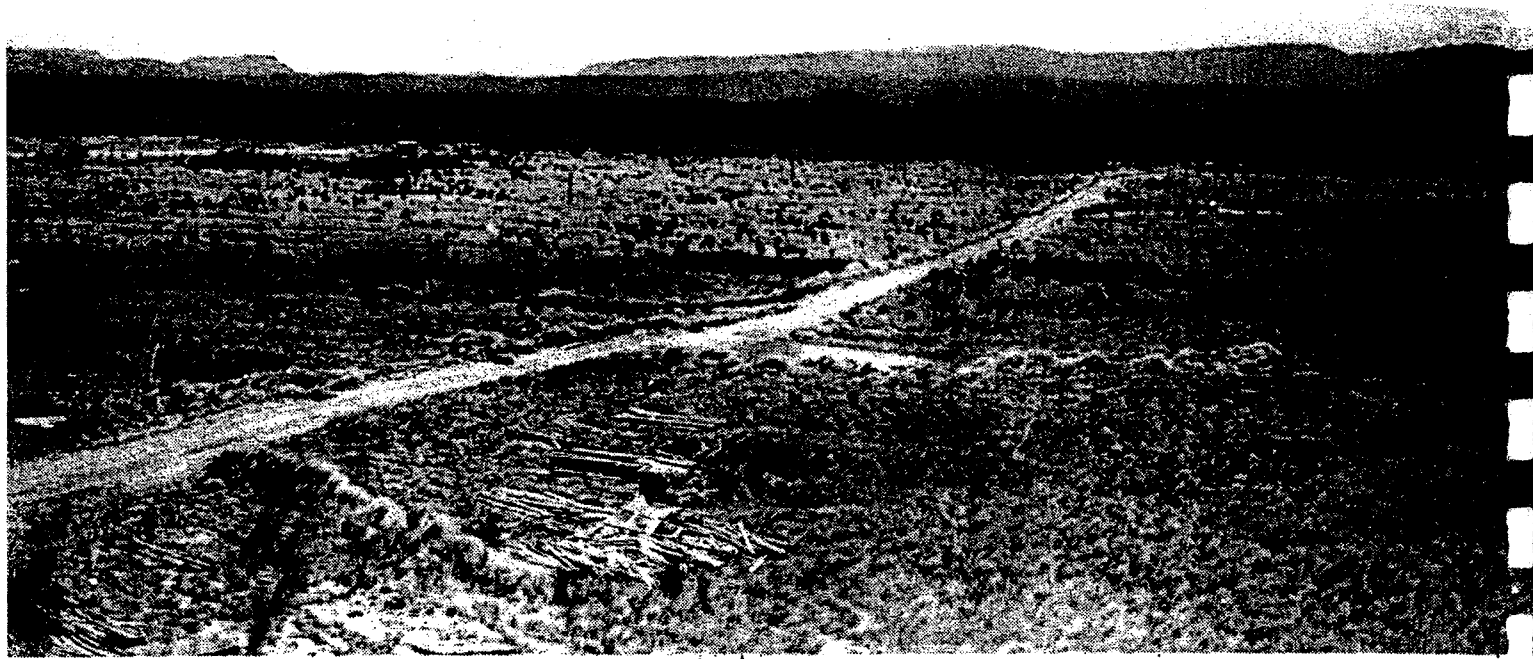
Since the 1970's the population has declined, its demographic structure has changed and now has a community numbering 1500.

The Community is supported by a good social infrastructure. Like a number of small town communities in New Zealand, Mangakino has a number of social and sporting clubs.

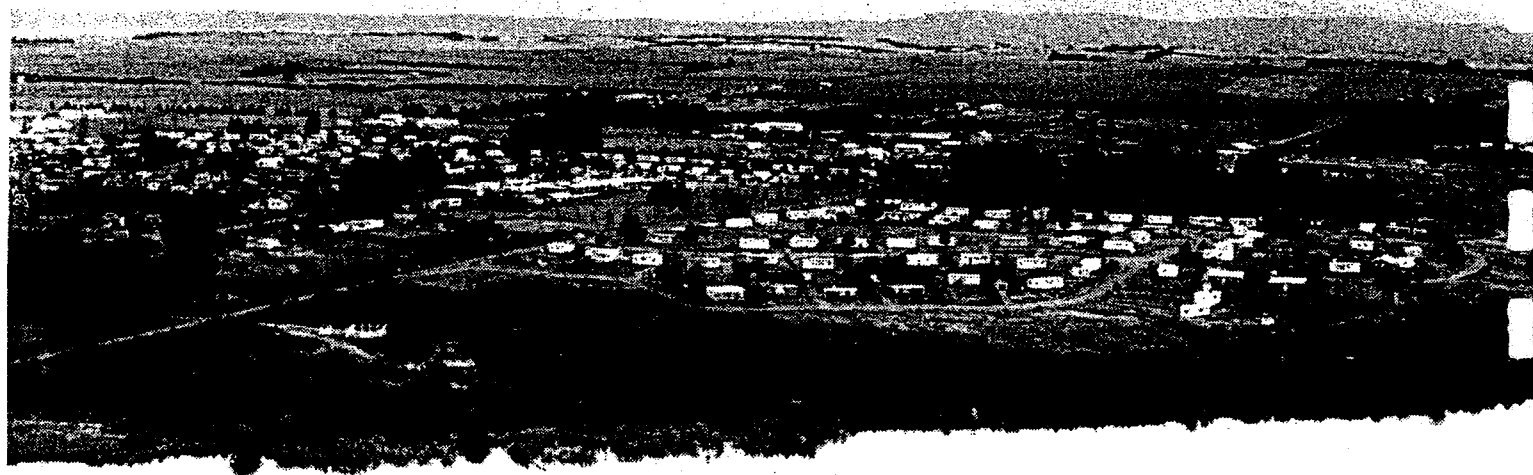
The Town's mission statement encapsulates the local community spirit admirably:

"The best small community with a stable population enjoying quality of life"





The land on which the modern township of Mangakino was built as it was in 1944, before the hydro development era began.



Twenty years on, the township was a thriving settlement, with facilities and amenities that many other communities in New Zealand were envious of. These included a wide range of sporting and social clubs and organisations, welfare groups and educational facilities, including the largest district high school in New Zealand. Despite now having less than a quarter of its peak population of 6400 residents, Mangakino remains intact and ready to face the future.

- These photos, now hanging in the Taupo District Council's Mangakino service centre, were originally presented to Mr W.M. Garner with the thanks of the Mangakino Development Coy. Ltd

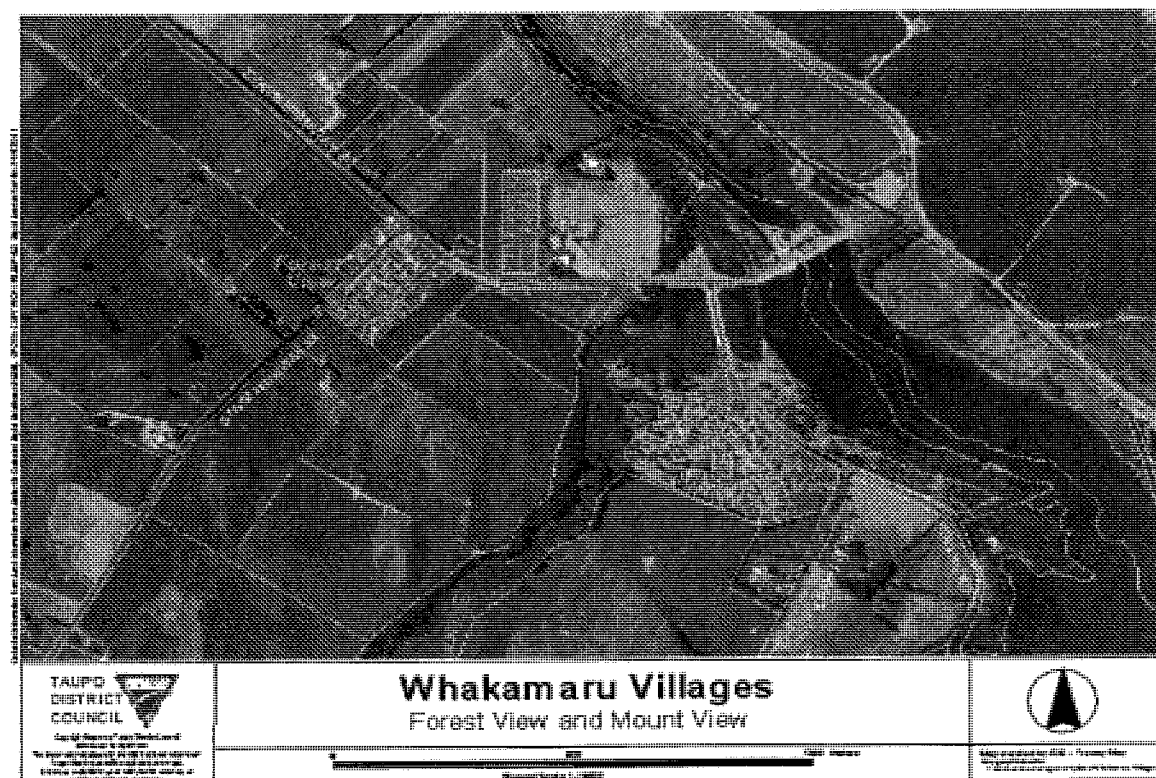


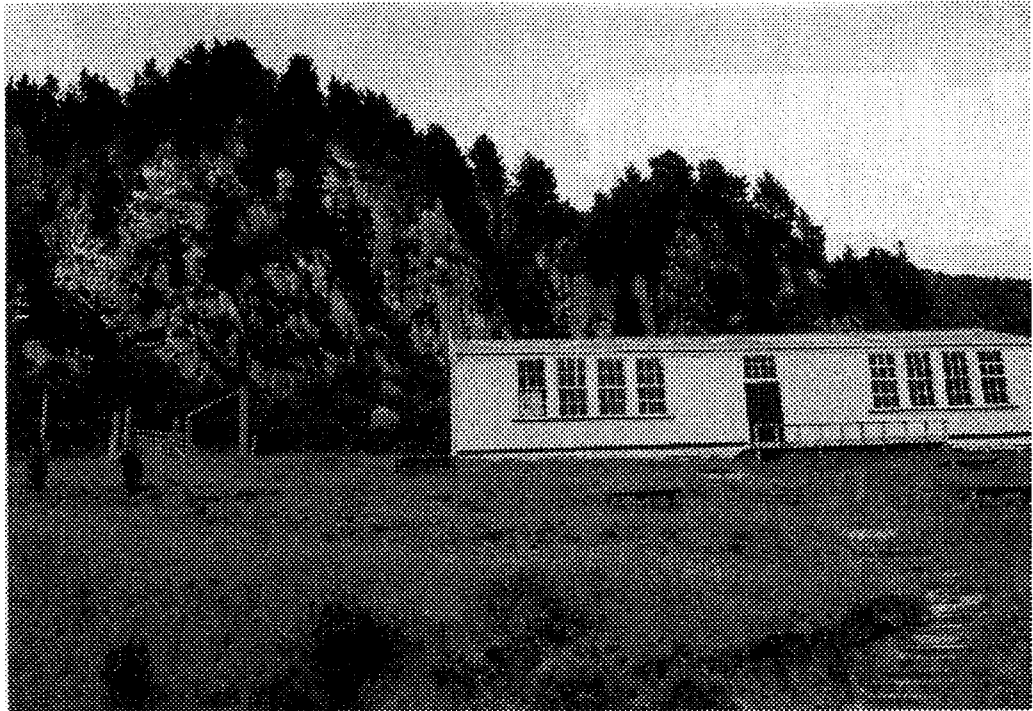
Whakamaru

The village of Whakamaru is situated some 10 km. southeast of Mangakino neighbouring State Highway 32 and the Waikato River. It was originally built by ECNZ in the 1960's to house employees on the Whakamaru power schemes.

Upon completion of the power schemes, the village moved from a vibrant community supported by a local workforce to a peaceful residential "hideaway" attracting retirees and holidaymakers alike.

The village of Whakamaru can be readily identified as a primary stakeholder in the development of the Mangakino and Whakamaru Reserves. The residents of Mangakino and Whakamaru will inevitably be the prime beneficiaries of reserves' development.







Community Consultation

Consultation for the preparation of this management plan has been undertaken with relevant organisations such as the Department of Conservation (DOC), Mangakino Township Inc., Pouakani II Trust, Pouakani Marae Committee, and Mighty River Power Ltd. formally Electricity Corporation of New Zealand (ECNZ), Environment Waikato (EW), Destination Lake Taupo and users of the reserves. Therefore as stakeholders in the development of the reserves, these organisations were invited to comment on the draft management plan once it was made public. This document reflects the comments/ submissions made during the process of formulating a final plan pursuant to the Reserves Act 1977.

The issues raised in original submissions for the Mangakino and Whakamaru Reserves included:

- ✍ To allow grazing to continue on Whakamaru Recreation Reserve.
- ✍ The expense associated with reserve development should not be solely the responsibility of the Council.
- ✍ To sell by public tender a portion of reserve land northeast of Pokuru Rd.
- ✍ To allow the golf course to remain on Mangakino Recreation Reserve.
- ✍ To enforce the prohibition of dogs on the golf course.
- ✍ To improve the water supply to the toilets on Whakamaru Domain.
- ✍ To level and cultivate Section 50 of the Whakamaru Domain.
- ✍ To continue the frequent and extensive use of Whakamaru Domain.
- ✍ Safer parking facilities.
- ✍ No camping beyond Matekuri (Dead Dog) Island.
- ✍ Rename the reserves as they are often confused

- ✍ Designated areas for recreational activities on the lakes.
- ✍ To improve and upgrade all existing toilets.
- ✍ To reseal and fence the tennis courts on the Mangakino Recreation Reserve.
- ✍ To construct a swimming pool on the Mangakino Recreation Reserve for use by community groups.
- ✍ To investigate funding opportunities for the development of the reserves.
- ✍ To maintain the grounds of the Mangakino Rugby Ground.
- ✍ To improve the maintenance of the reserves.
- ✍ Site a camping area where the old rowing club facilities were on the Mangakino Recreation Reserve.
- ✍ To develop the picnicking area of the Mangakino Recreation Reserve.
- ✍ To develop and maintain a recreation area adjacent to the Ski Club on the Whakamaru Recreation Reserve.
- ✍ To farm areas of the Whakamaru Recreation Reserve.

Other methods used in preparation of this management plan have involved a literature search of all relevant publications including summarising any studies undertaken with respect to visitor use of the area.

A "Preview" to the draft plan was released for public comment before the release of the draft document. The "Preview" contained the intended policies and concept plans for the future management of the reserves. The public were invited to comment and make suggestions in order to gain more community input to the draft plan. The draft plan was subsequently released for public comment in April 2000 and hearings were held in July 2000.

The Mangakino/ Pouakani Community Board amended the draft plan to incorporate comments made during the hearings. The final document was then prepared for adoption by Council.



Tenure

Mangakino Recreation Reserve

Area: Approximately 24.64 hectares

Location: The Mangakino Recreation Reserve is located in the north-eastern portion of Mangakino Township. It contains a golf course, bowling club, picnicking areas, Imhoff tanks for sewage disposal, play equipment and open space areas

Access: Entry to the reserve is from the eastern end of Lake Road, Mangakino. Access is readily available to pedestrian and vehicular traffic.

Ownership:

Lot 1 DPS 13796	Taupo District Council
Lot 58 DPS 12690	Taupo District Council
Lot 72 DPS 8594	Mangakino Township Incorporation
Part Pouakani Block	Crown (LINZ)
SO 44917, SO 33862	

Status: Recreation reserve except for Lot 72 and Pt Pouakani Block. Pt Pouakani Block is Crown land to be invested in the Taupo District Council as recreation reserve.

Legal Description: Lot 1 DPS 13796
Pt Pouakani Block SO 44917, SO 33862
Lot 72 DPS 8594
Lot 58 DPS 12690

Mangakino Rugby Ground

Area:	Approximately 3.8 hectares
Location:	The Mangakino Rugby Ground is located within the north-eastern portion of Mangakino township along Wairenga Road.
Access:	Entry to the reserve is gained from Wairenga Road, Mangakino. Access is readily available to pedestrian and vehicular traffic.
Ownership:	Taupo District Council.
Status:	Recreation Reserve
Legal Description:	Lot 3 DPS 6558 Lot 5 DPS 17447

Whakamaru Lakeside Reserve

Area:	Approximately 7.2 hectares
Location:	The Whakamaru Lakeside Reserve is located approximately half a kilometre south-east of Whakamaru Township, bordered by the Waikato River to the east and Pokuru Road to the west.
Access:	Access to the reserve is gained from Pokuru Road, Whakamaru. Access is available to pedestrian and vehicular traffic.
Ownership:	Department of Conservation
Status:	Stewardship area to be vested in Taupo District Council as recreation reserve and may be subject to a Treaty of Waitangi claim.
Legal Description:	Sec 33 SO 53256 and Sec 1 SO 60926



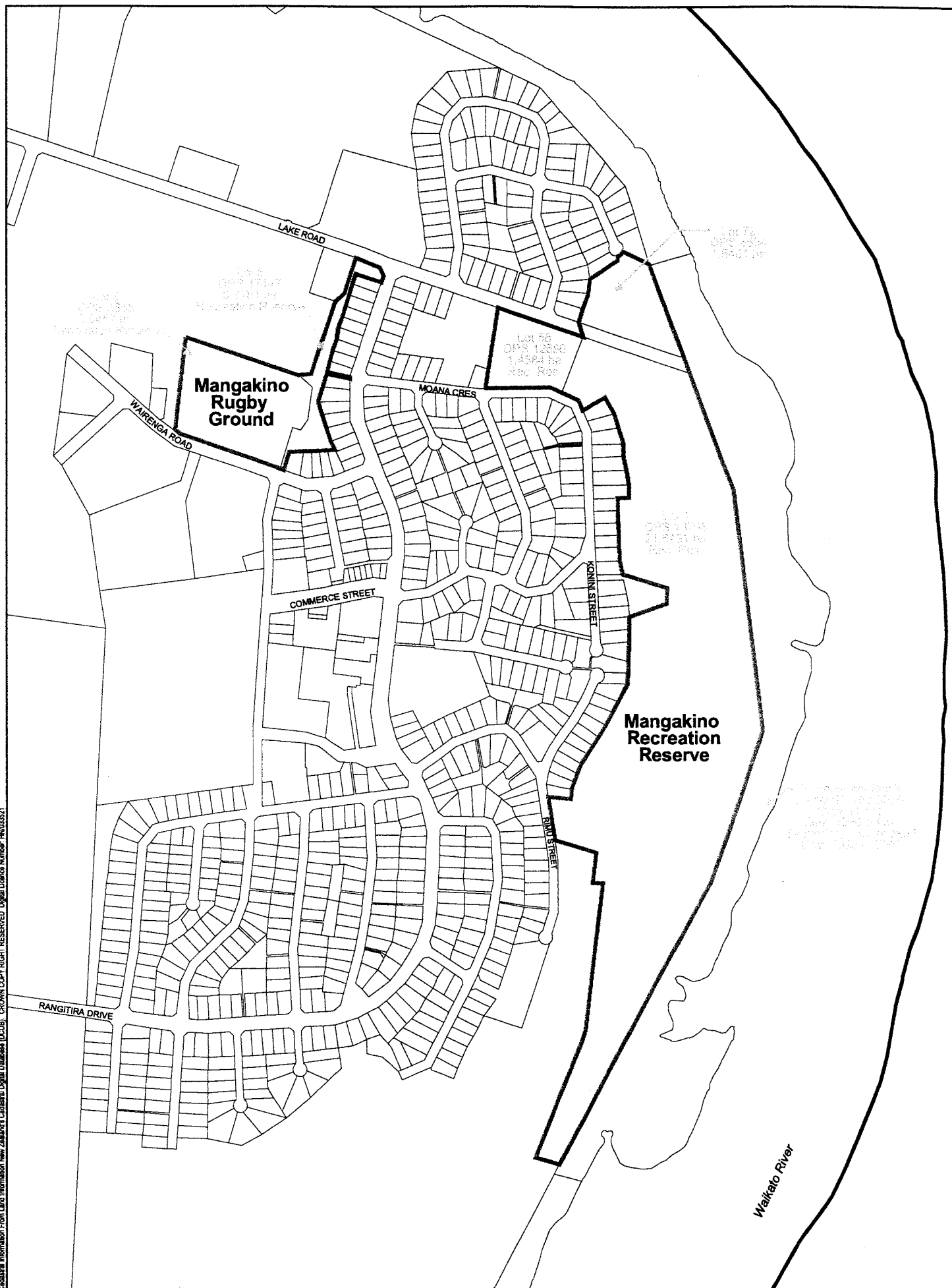
Whakamaru Recreation Reserve

- Area:** Approximately 13.9 hectares
- Location:** The Whakamaru Recreation Reserve is located South-south-east of Whakamaru Village, bordered by the Waikato River to the east and Pokuru Road to the west. It is further kilometre south-east of Whakamaru Lakeside Reserve.
- Access:** Entry to the reserve is gained from Pokuru Road adjacent to the leased area occupied by the Whakamaru Water Ski Club. Access is available to pedestrian and vehicular traffic.
- Ownership:** Taupo District Council
- Status:** Recreation Reserve
- Legal Description:** Section 17 SO 44296 and Pt Sec 23 SO 44791 Block XI Whakamaru Survey District

Whakamaru Domain

- Area:** Approximately 18.5 hectares
- Location:** The Whakamaru Domain is located about 5-km south-south-east of the township of Mangakino. It is bordered by the Waikato River to the east and State Highway 30 to the west.
- Access:** Entry to the Domain is gained from State Highway 30. Access is available to pedestrian and vehicular traffic.
- Ownership:** Taupo District Council
- Status:** Recreation Reserve
- Legal Description:** Section 21 SO 39968 and Section 22 SO 39968 and Section 50 SO 47960 Block VI Whakamaru Survey District

The following maps show the Legal Descriptions of the Mangakino and Whakamaru Reserves.



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Mangakino Recreation Reserve and Rugby Ground

Legal Descriptions

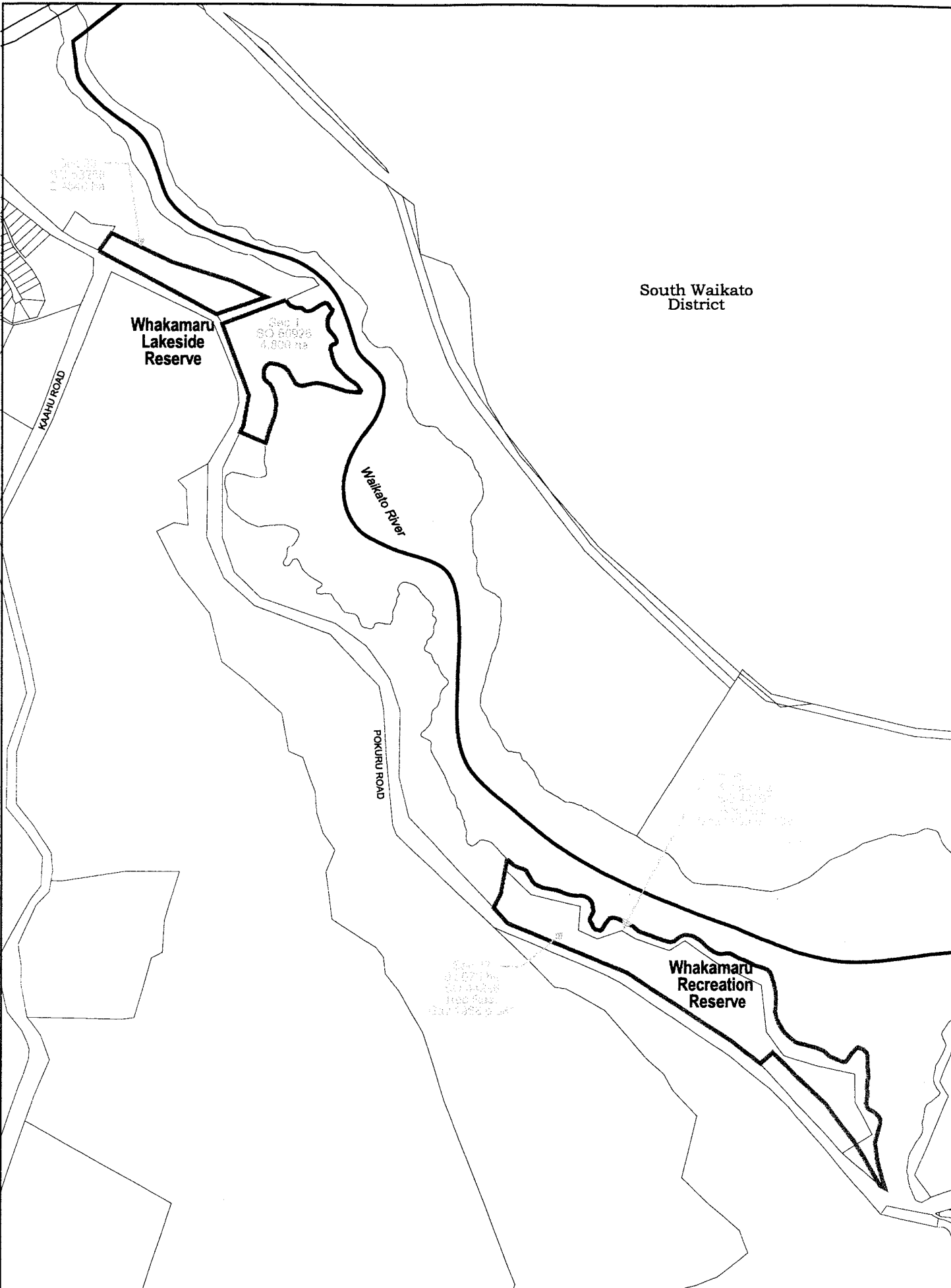
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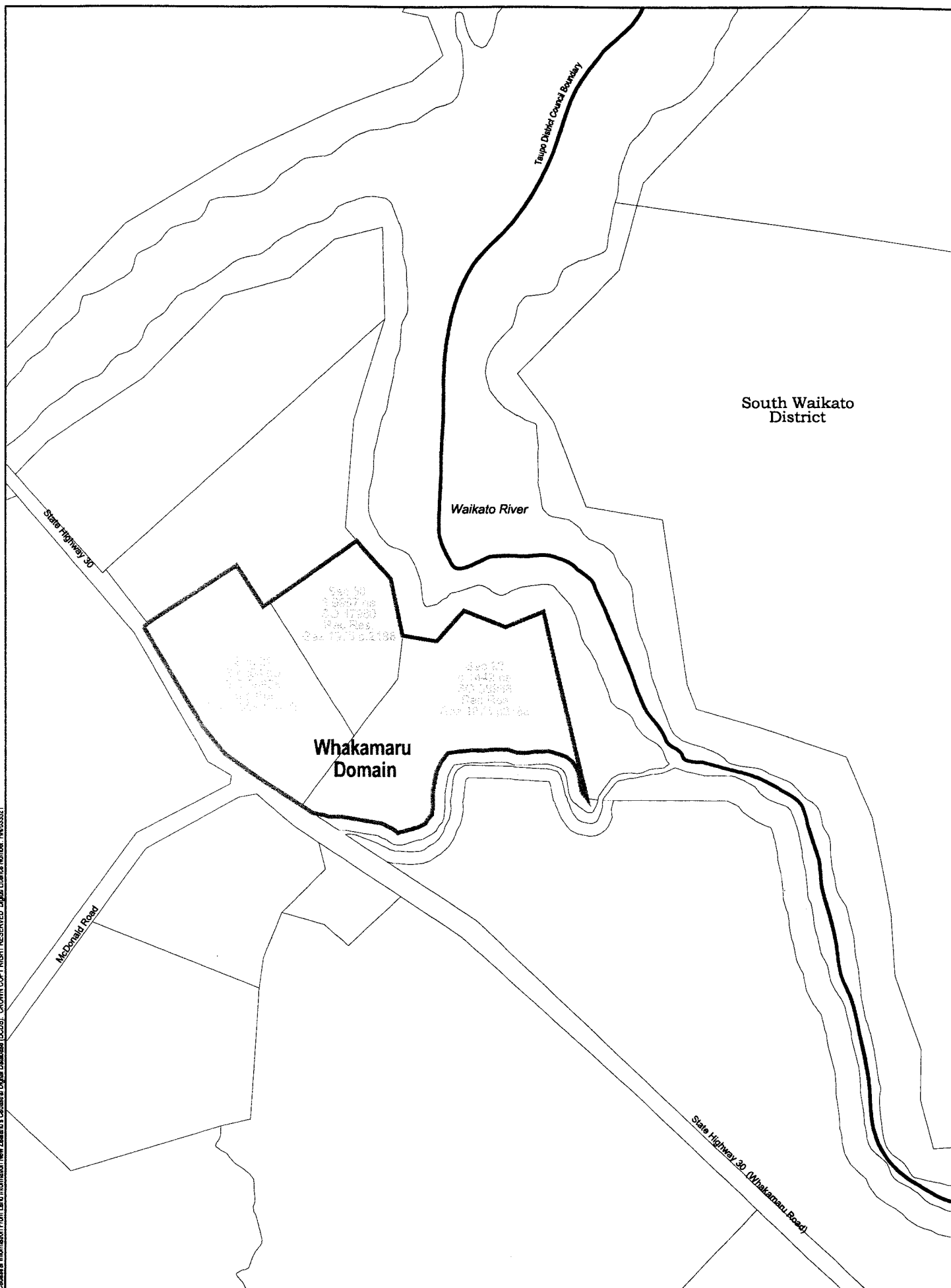
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Legend

- Reserve Boundary
- District boundary
- Legal property boundary
- New Subdivisions
- Lakes and Rivers



TAUPO DISTRICT COUNCIL Copyright Reserved Taupo District Council Print Date: 15 August 2000 The information displayed in the GIS has been taken from Taupo District Council's databases and maps. It is made available in good faith, but its accuracy or completeness is not guaranteed.	Whakamaru Lakeside Reserve & Whakamaru Recreation Reserve Legal Descriptions 0 600 1200 Meters Original Scale 1:12000	Map created by: GIS - Tracey May Map graphic location: "Management plan/whakamaru lakeside res LD"	Legend - Reserve Boundary - District boundary - Legal property boundary - Legal property addition Lakes and Rivers
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Whakamaru Domain

Legal Descriptions

0 300 600 Meters

Original Scale 1:8000



Map created by: GIS - Tracey May
Map graphic location:
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Legend

- Whakamaru Domain
- District Boundary
- River
- Property Boundary



Natural Environment

Landscape

Mangakino Recreation Reserve

The landscape of the Mangakino Recreation Reserve varies from steep on the western side to gently sloping over the central and eastern portions of the reserve. It has an overall north-easterly aspect. Its southern perimeter mimics the edge of Lake Maraetai.

The reserve is grassed and the area containing the golf course has gardens and trees purposefully planted around the course. There are other trees strategically placed around the reserve providing some shelter and amenity value to users of the reserve.

Mangakino Rugby Ground

The grounds are predominantly that of a levelled open spaced grassed area reflecting its use as a sports field. Trees in the northern and eastern boundaries border it. A few trees punctuate the western perimeter of the playing fields adjacent to Wairenga Rd.

Whakamaru Lakeside Reserve

The reserve is adjacent to the Kaahu Scenic Reserve and is covered in similar vegetation ie: broad-leaved scrub, pines and bracken. It has varying topography falling from Pokuru Rd in the west to Sandy Bay and Brewerton Bay in the east. The lake edges form steep banks as one moves away from the bay area.

Whakamaru Recreation Reserve

The terrain of this reserve is fundamentally composed of undulating grasslands. The north-western portion of the reserve is bounded by near vertical cliffs which abut Lake Whakamaru. Three portions of the reserve fall to the lake edge including an area of beachfront adjacent to the Whakamaru Water Ski Club.

Whakamaru Domain

The Domain is principally a "field" of gently undulating pastoral land. There is a modest incline towards the Waikato River from the State Highway that lies at the south-western boundary of the reserve. The north-eastern boundary is marked by steep cliffs and its contours imitate the course of the Waikato River.

Climate

Mangakino and Whakamaru enjoy a sunny, rather sheltered, temperate climate, with long periods of settled weather during summer and autumn. The area would experience on average 2000 hours of bright sunshine per year. Mean annual rainfall is moderate, being 1408mm at Mangakino (over 135 days), and 1320mm at Whakamaru (over 124 days).

Summers in Mangakino are warm, while winters are fairly cool.

Mangakino and Whakamaru, compared to much of New Zealand, do not have windy climates. They are protected from high winds from between south and east by the ranges and North Island high country in that sector. The prevailing winds are from between west and south-west.

Winds from between north and north-east may be associated with extensive heavy rainfall if there is major frontal activity. In summer, these conditions are usually accompanied by warm humid weather. Convictional thunderstorms, sometimes severe, occur occasionally during hot summer afternoons, with brief though intensive rainfall. Winds from the west or south-west may bring showers. Winds from between south and east are often associated with cooler, but sunny weather.

Moderate to severe frost is common overnight during winter, usually accompanied by calm, clear conditions, followed by a sunny day. Fogs are frequent from April through August, often clearing within a few hours after sunrise.



Geology

The geology of the Mangakino and Whakamaru Reserves is linked with the volcanic history of the Taupo area and eruptions of Lake Taupo.

In a wider context, the area lies within the Taupo Volcanic Zone, an area of volcanic activity extending 240km north-east from Ruapehu to White Island. It is at the southern end of the Tonga - Kermadec active plate margin. The recent geological history of this area has lent itself to its geomorphology, dominated by lakes, volcanoes, and geothermal features.

Lake Taupo is a caldera (collapsed volcanic crater) probably with multiple vents and eruption sites. In 186AD (a date determined by geological as well as historical inferences) Lake Taupo erupted in what has been described one of the largest explosions known to man. The eruption displaced between 60 and 100 cubic kilometres of tephra (ash, cinders, pumice etc), 60 times greater than Mt St Helens 1980 and 30 times greater than Vesuvius 79 AD which obliterated Pompeii and Herculaneum.

The geology of the Mangakino and Whakamaru Reserves is a result of this violent activity. The Taupo Pumice event, which this period of activity is known as, was within a series of small eruptions. Several large explosions that formed towering columns of ash many kilometres high followed these small explosions. There was time for the lake to refill before the final violent explosion produced the bulk of the Taupo Pumice followed by a brief outburst of gas and ash that spread across the lake. (Thornton 1985).

The Taupo Pumice Alluvium, the product of this activity, forms the geology of the Mangakino and Whakamaru Reserves.

The Taupo Pumice Alluvium comprises of pumice alluvium and pyroclastics from these periods of eruption.

The underlying rock on the reserves is comprised of Kaharoa and Taupo ashes, along with ashes older than the Taupo ash, unconsolidated silts, sands, tuffs and breccias.

Soil

Mangakino Recreation Reserve and Mangakino Rugby Ground

The predominant soil types found on these reserves are yellow brown pumice and podzolized yellow-brown pumiceous soils. The main soil present is called Ngakuru Sand.

There is negligible to slight erosion on slight to sloping topography.

The land classification of the soil is VIe10, with a low fertility and being prone to moderate soil slip, sheet and gully erosion.

[NZ Land Resource Inventory Worksheet MWD 1977} Opus

Whakamaru Lakeside Reserve

The predominant soil types found on this reserve are yellow brown pumice and podzolized yellow- brown pumiceous soils. The soils rest on Kaharoa and Taupo ashes.

The vegetation is native grassland and or low producing.

Whakamaru Recreation Reserve

The predominant soil types found on this reserve are yellow brown pumice soils. The soils rest on Kaharoa and Taupo breccias and volcanic alluvium.

The slopes are gentle to moderate with negligible erosion except for foreshore areas. The vegetation is low producing grassland.

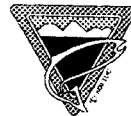
The land classification of the soil is IV s4.

Whakamaru Domain

The predominant soil types found on the Domain are yellow brown pumice and podzolized yellow- brown pumiceous soils resting on Taupo ash and breccias.

The vegetation is native grassland and/or low producing.

The land classification of the soil is VIe10, with a low fertility and being prone to moderate soil slip, sheet and gully erosion.



Vegetation

Mangakino Recreation Reserve

The vegetation on the Mangakino Recreation Reserve varies dependent on the uses being undertaken in each area.

The types of vegetation can be identified as follows:

- ✍ The northern portion adjacent to Lake Road is largely grassed with clumps of trees in places.
- ✍ In the central area around the toilet block and children's play equipment there are a number of quite old and large trees. These include varieties of willow, oak and black poplars.
- ✍ In the gully to the immediate west of the sewage treatment plant is a patch of partly native vegetation mixed with weeds and some exotic species. Plants found in this area include: Pittosporum species, largely lemonwood and kohuhu, five finger, coprosma (generally large leaf), manuka, bracken, ferns, blackberry, silver birch, honeysuckle, eucalyptus, buddleia, cotoneaster and pyracantha.
- ✍ The area surrounding the Bowling Green is primarily grassed
- ✍ An area of scrub is located on the bank between the bowling club area and the golf course. Plant species found here include: eucalyptus, silver birch, London plane tree, tree lupin, bamboo, bracken, coprosma species and blackberry.
- ✍ The Golf Course has been landscaped with largely ornamental exotic tree species. The most common species are rhododendrons, camellias, eucalyptus, cedar, cypress, pines, cherry, flax, Douglas fir, poplar, macrocarpa, magnolia, ponga, broom, coprosma species, acacia, akeake, and Hebe.

Mangakino Rugby Ground

The reserve is grassed reflecting its use as a playing field with a few trees bordering its perimeter.

Trees include: *Eucalyptus* spp. : Gum, *Salix* spp. : Willow, *Populus nigra* "italica" : Lombardy Poplar.

Whakamaru Lakeside Reserve

The reserve has a variety of trees (including some significant pines) shrubs, and bracken fern. There is also some broom, gorse and blackberry.

The Council will ensure that noxious weeds are managed/ eradicated in accordance with Environment Waikato's Regional Pest Management Strategy.

Whakamaru Recreation Reserve

Essentially, the vegetation of the reserve is composed of pasture with a few trees delineating the lease boundary of the Whakamaru Water Ski Club.

Portions of this area are currently being grazed.

The Council will ensure that noxious weeds are managed/ eradicated in accordance with Environment Waikato's Regional Pest Management Strategy.

Whakamaru Domain

The vegetation of the Domain is predominantly grassland with several stands of trees giving the appearance of being strategically placed to define the legal boundaries of the reserve. There is gorse, broom and blackberry in gully areas.

The trees provide a haven for a variety of birdlife and include: *Acer pseudoplatanus* : sycamore, *Betula pendula* : Birch, *Quercus spp.* : Oak.

The Council will ensure that noxious weeds are managed/ eradicated in accordance with Environment Waikato's Regional Pest Management Strategy.

Wildlife

There is a variety of birdlife found on the reserves. The main types of birds present are: sparrow, mynah, chaffinch, starling, grey warbler, magpie, shag swans, duck, welcome swallow, greenfich, hawk, fantail, and sky lark.

Other wildlife likely to be present includes: rodents, a variety of insects and possibly some skinks and geckos.



History

The Council has no historic record of the Mangakino/ Whakamaru area before 1916.

In 1916 the Government traded the Pouakani Block to the Ngati Kahunguna of Wairarapa, in exchange for Lake Wairarapa.

In 1945 the Government needed land for construction and residential use in association with building the Maraetai Dam. The Government offered to purchase the land from the absentee owners, however, the owners preferred to lease it to the Government.

Before Mangakino was built, the country on the west side of the Waikato River was covered in manuka and tussock, and the only means of crossing the river was in a punt. (Mangakino in Perspective 1945-65).

Mangakino was built, as a temporary construction town to service the building of the Maraetai Dam and powerhouse and following the Whakamaru and the other nearby power stations.

The town was planned in a manner typical of Ministry of Works towns of that era, with a central business area, curving residential streets and adequate reserve areas. Construction of the town began in 1945 and a road was provided from Tokoroa in 1947.

The initial task of diverting the river before construction of the dam and powerhouse for Maraetai began in 1946. Maraetai began operating towards the end of 1952. Final generating units were installed in January and April of 1954 when the lake level was raised. This created what was at the time the biggest single source of power in the North Island generating 180 000 KW. (Mangakino in Perspective 1945-65).

Mangakino's population was at its largest during the construction phase of the Maraetai and nearby power stations. At that stage, Mangakino had a large member of sporting clubs including: 3 tennis, 5 cricket, rugby, softball, indoor basketball, netball, croquet and soccer clubs. The Mangakino Bowling Club was formed in May 1948 with a membership of 31.

Once the construction phase of the power stations was completed the Ministry of Works no longer needed to control the town. The Taupo County Council inherited Mangakino as a County Town over a phased period during the 1960's.

The town's population has gradually declined since the completion of the power stations. This has meant that many of the recreational facilities and clubs are no longer available.

Mighty River Power Ltd.

Mighty River Power New Zealand Ltd. is a state-owned vertically integrated company formed from businesses split from ECNZ. It takes over ECNZ's nine power stations on the Waikato River including Whakamaru, Maraetai I and II.

The Ministry of Works built the township of Mangakino as service town for the power schemes (Whakamaru, Maraetai, Atiamuri and Waipapa) along the Waikato River during the 1950's. The villages of Whakamaru and Atiamuri remain today.

Maraetai Hydro Power Station.

Maraetai hydro-electric scheme comprises two power houses which lie in a deep gorge of the Waikato River, about 61 km. upstream from Karapiro and fifth in a chain of eight stations downstream from Taupo.

In 1946 work began on access roading from Tokoroa and on preparatory work for a town to be built at Mangakino to house the workers on Maraetai and subsequent projects. Today Mangakino remains a commercial centre for the area.

The first major work began in 1947 with the drilling of a diversion tunnel. This was completed and the river successfully re-routed in 1949. The station began producing electricity in 1952 from three of its first five machines.

In 1959 work began on a second powerhouse to double the generating capacity to provide power for peak demands. It was completed in 1963 but work temporarily ceased in 1961 when the government of the day decided to connect the North and South Island generating and transmission networks via what has popularly become known as the Cook Strait Cable. Work re-started in early 1966 and the first of the five additional machines was commissioned in July 1970 and the last in February 1971.

Today the Maraetai power station produces an average annual energy output of 855 Gwh



Whakamaru Hydro Power Station

Whakamaru was the fourth hydroelectric power station built on the Waikato River and is also the fourth in a chain of eight hydro stations downstream from Taupo. It is on the highway between Atiamuri and Mangakino which passes over the Whakamaru dam.

Work first began on the scheme in 1949 and the first major job was completed with the diversion channel in November 1952. The station produced its first electricity in May 1956, and by the end of the year all four generating units were in service, giving a total generating capacity of 100MW.

The village of Whakamaru was built in the 1950's to service the construction and subsequent operation of the Whakamaru Power Station.

Today the Whakamaru power station produces an average annual output of 486 Gwh.

In partnership

As a readily identified partner within the community, Mighty River Power Ltd. will be asked to comment on the proposed developments for the Mangakino and Whakamaru Reserves. Mighty River Power Ltd. will also be consulted with other users over the management of Lakes Maraetai and Whakamaru with respect to mitigating soil erosion along the Waikato River System.

Tourism

The reserves are situated in a scenic and unspoilt area of the Waikato River. There is a potential to develop tourism in this environment by taking advantage of the special and unique characteristics the landscapes have to offer including the reserves.

The Whakamaru Lakeside Reserve, Whakamaru Domain and Whakamaru Recreation Reserve are bounded by Lakes Whakamaru and Maraetai. They offer recreational opportunities that capture the peace and tranquillity that is a major characteristic of this region.

The Mangakino Rugby Ground and Mangakino Recreation Reserve offer alternative recreational needs for the community and visitors alike: playing fields, picnicking, boating and golf.

Future recreational interests in the reserves and identified in this plan include the development of:

- ◆ Camping facilities
- ◆ Outdoor pursuit centre
- ◆ More picnicking areas for families
- ◆ Boating facilities
- ◆ Walking tracks

All of the above will help to foster the growth of the domestic tourist market and thus contribute to the economic well being of the community as a whole.

The Council is promoting the "Western Bays Highway" (State Highway 32) as an alternative route south which provides the traveller with a quieter, less hurried experience.

These initiatives are in line with the District's "Visitor Industry Policy" which wishes to ensure that the distribution of economic benefits from the visitor economy is more evenly spread across the district by the year 2005.



Services, Facilities and Amenities

The Mangakino Recreation Reserve has a number of services, facilities and amenities including:

- ✍ Play equipment, picnic tables and seats, public toilets and barbecues facilities
- ✍ bowling green and associated club rooms
- ✍ car park
- ✍ walking tracks
- ✍ jetty and ramp access to the lake
- ✍ dog exercise area
- ✍ golf course with associated buildings
- ✍ power and telephone facilities provided for the golf and bowling clubs
- ✍ Power is available at the toilet block for camping
- ✍ water supplies to the golf and bowling clubs and the toilet and sewage plant are provided from the main Mangakino water supply.
- ✍ There is an Imhoff and four septic tanks within the Mangakino Recreation Reserve area which service the Mangakino Township
- ✍ There are stormwater outfalls across the golf course

The Mangakino Rugby Ground has the following Council services, facilities and amenities:

- ✍ Water and sewerage supplies
- ✍ Club rooms

 Car park

 Power and telephone cables

 Lighting available for games at night

 Toilet block

Whakamaru Lakeside Reserve

Presently, the Council has no services, facilities or amenities on this Reserve. The Department of Conservation who currently (September 2000) administers this reserve has a legacy of a toilet facility near the lake edge. In earlier days, this area was a picnicking spot for locals and visitors to the area.

Whakamaru Recreation Reserve

Presently the Council has no services, facilities or amenities on this reserve.

The Whakamaru Waterski Club leases a portion of the reserve for a sports club. They have provided their own services and facilities. A boatramp lies adjacent to the Waterski Club.

The Council also leases a portion of the reserve for grazing purposes and fences have been erected in association with this activity.

Whakamaru Domain

Presently, the Council has only two services on the Domain:

 Water supply

 Toilet block

Camping is permitted on the Domain

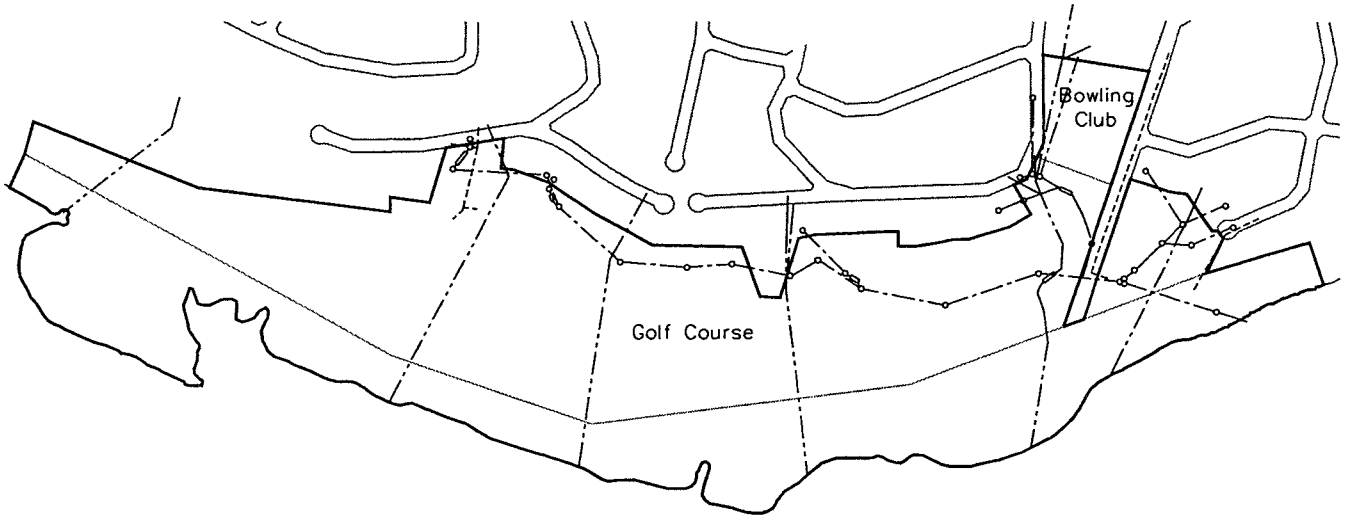
The following maps show the existing facilities and service plans for the Mangakino Recreation Reserve, Mangakino Rugby Ground and Whakamaru Domain

SERVICES PLANS 2000



**Taupo
District
Council**

Services Plan A: Mangakino Recreation Reserve

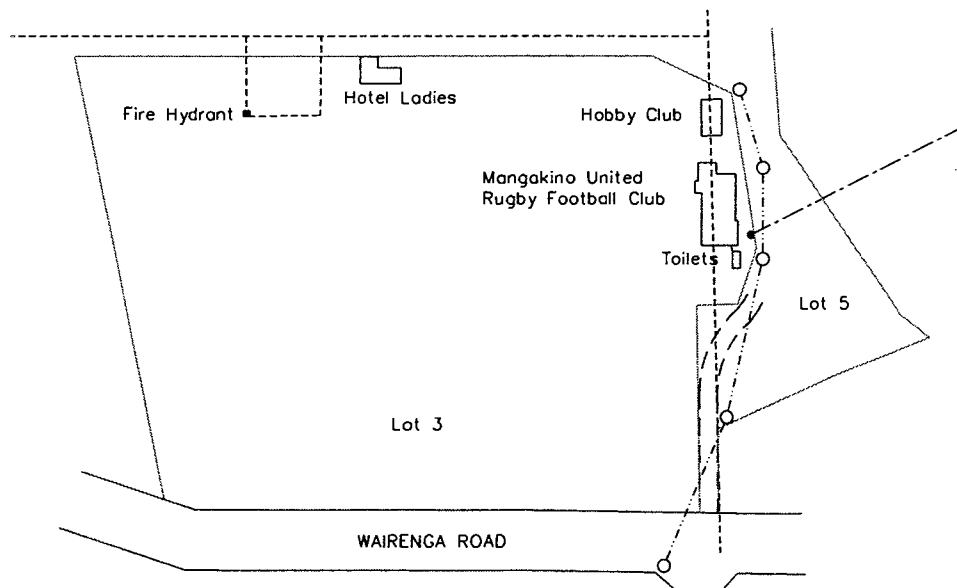


LOCATION: Lake Road, Mangakino
LEGAL DESCRIPTION: Lot 1 DPS 13796
Lot 58 DPS 12690, Lot 72 DPS 8594
Port Pouakani Block



This plan is not to scale

Services Plan B: Mangakino Rugby Ground



LOCATION: Wairenga Road, Mangakino
LEGAL DESCRIPTION: Lot 3 DPS 6558
3.0457ha Recreation Reserve
Lot 5 DPS 17447 0.8781ha Recreation Reserve



This plan is not to scale

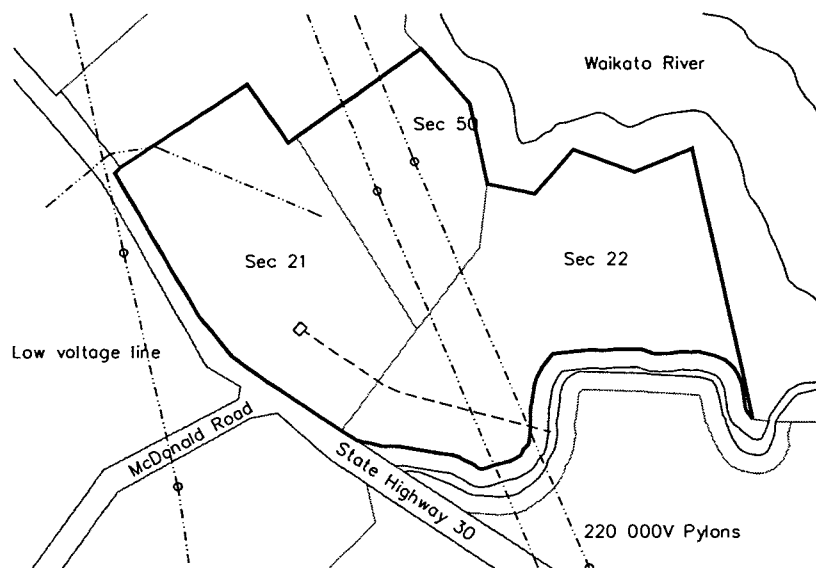
KEY	
---	Sewer
---	Water
---	Stormwater
---	Telecom
---	Power

SERVICES PLANS 2000



Taupo
District
Council

Services Plan E: Whakamaru Domain



LOCATION: 502 State Highway 30
LEGAL DESCRIPTION: Secs 21, 22 SO 39968
Sec 50 SO 47960 Blk VI Whakamaru S.D.
Recreation Reserve



This plan is not to scale

KEY	
-----	Sewer
-----	Water
-----	Stormwater
-----	Telecom
-----	Power



Management Considerations

Recreation

Recreation plays a vital role in the life of a community and it is therefore essential that adequate facilities are provided and maintained to meet the community's needs.

A variety of recreational activities are undertaken on the Mangakino and Whakamaru Reserves including: golf, sports clubs, walking, jogging, bowling, rugby, picnics, reading, children's play equipment, walking dogs, other informal sports.

The 1996 Sport and Physical Activity Survey undertaken by the Hillary Commission identified current trends in recreational activity. The survey noted that 94% of all New Zealand adults play one or more sports or take part in activities like walking and gardening throughout the year.

Participation in sport and physical activity is at a high level for men, women, and people of all ages and cultures.

Young adults do more activities than older ones.

Participation rates over a year are equally high for Maori, European New Zealanders and people from other cultures.

The top ten sports and activities for all adults shows that gardening, walking, swimming, exercising and cycling are the main ways in which New Zealand adults are physically active.

Development options and long term planning for the reserves must acknowledge the recreational needs for both present and future generations and be planned for accordingly.

Historic

The history of the Mangakino/ Whakamaru area is very interesting and worthy of note. It is, however, unfortunate that little of early Maori history as it relates to the reserves has been documented. This creates a gap in our knowledge as to who occupied the reserve areas and their early land use history, up until they became the possession of the Government early in the 20th Century. It is difficult to know what historical sites of Maori origin may be on the reserves and be of value to be protected and interpreted to visitors.

The subsequent hydroelectric power developments in Mangakino and Whakamaru have had a significant impact on land use and development in the area, and in terms of overall planning of the town and reserve areas. This aspect of the town's history is therefore very significant.

It is important that the area's history is interpreted to the public.

Tourism

The Mangakino and Whakamaru Reserves are not major tourist drawcards to the area but there are potential opportunities to encourage and tap into the domestic market.

Presently, most visitors to the towns of Mangakino and Whakamaru are domestic however their numbers are limited. The reserves have the potential to be significant tourist destinations due to their scenic quality and opportunities of recreation.



Social Development

Psychological health and spiritual wellbeing are very much part of the recreation scene of physical fitness – and the opportunity to express, to do better and to participate are very much necessary functions of everyday life. How we go about attaining that quality of life depends on the individual, but the opportunity in which to accomplish that attainment will depend on the advisors and decision – makers in a particular area.

The recreational (rugby, camping, walking, golf) facilities available on the Mangakino and Whakamaru Reserves are important in terms of social development for the community.

The reserves provide venues for social contact by providing environments in which individuals can learn about themselves and other people. There is an opportunity to learn the rules and techniques of various sports. Sport and recreation teaches individuals the importance of team spirit and a sense of fair play, it stimulates personal growth through challenges and conflicts, enhances an individual's communication and leadership skills, provides motivation and builds confidence.

All the skills and benefits derived from sport and recreation help to prepare an individual to cope more adequately in today's society.

Sport and recreation stimulates social contact and thereby enhances the quality of life of participants in recreation.

Community benefits may be gained from social contact on the reserves.

Commitments

There are some existing commitments and constraints effecting planning of the Mangakino and Whakamaru Reserves including:

Mangakino United Rugby Football Club

Lease a portion of the Mangakino Rugby Ground (Wairenga Road Sportsground) for a club building.

The club currently uses the fields each season training up to three nights a week and holding games on Saturdays and Sundays. In the past they have assisted Council in the maintenance of the Sportsfield and have paid for training lights and markings, and have accepted responsibility for irrigation.

The lease expires in 2007

Mangakino Golf Club

Lease a substantial portion of the Mangakino Recreation Reserve for a Golf Club Course.

The Club has had a long association with Council with regard to the occupation of the site. The land it occupies was vested in the Taupo County Council for recreation purposes in August 1973.

It was intended that the Club would hold a lease agreement with the Council for land for a course (the Clubrooms are on privately held land). However, this was not formalised until June 1993.

The lease expires in 2007

Mangakino Bowling Club

Lease a portion (Lot 58) of the Mangakino Recreation Reserve

The lease expires in 2007.

Mangakino Pony Club

Informally use part of the Whakamaru Domain for pony club activities



Mangakino Hotel Ladies Social Club

Lease a portion of the Mangakino Rugby Ground (Wairenga Road Sportsground) for a club room

The Mangakino Hotel Ladies Social Club is not an Incorporated Society. However, they do have a President and a Secretary. The Club raises money in the community by offering catering services. The lease expires in 2007.

Whakamaru Water Ski Association

Lease a portion of Whakamaru Recreation Reserve for a club building and land.
The lease expires in 2005

Grazing Licence on Whakamaru Lakeside Reserve

A licence to graze Section 33, Block XI Whakamaru Survey District known as the Whakamaru Lakeside Reserve is held by Mr and Mrs G Lynch. The licence expires in 2002

Grazing Licence on Whakamaru Recreation Reserve

A licence to graze part Section 17 So 44296 known as Whakamaru Recreation Reserve is held by Mr and Mrs B Southall for a term of three years.
The licence expires in 2002

Grazing Licence on Whakamaru Domain

A licence to graze Sections 21, 22 and 50 Block VI Whakamaru Survey District known as Whakamaru Domain is held by Mr K Harrison.
The licence expires in 2001

Mighty River Power Ltd.

Pursuant to an agreement between the Crown and ECNZ (March 1988) and a General Deed of Operating Easement Indemnity (April 1993), Mighty River Power Ltd. has a number of operating easements around the Crown hydro – lakes including Lakes Maraetai and Whakamaru. This plan acknowledges that the Commissioner for Crown Lands is currently (October 2000) developing a land management strategy for this land and intends to complete the operating easements.

Community Initiatives

The Taupo District Council has since 1991 been involved in community employment schemes in association with Work and Income New Zealand (formally New Zealand Employment Service).

The Schemes' Objectives are:

- ✍ to help the long-term unemployed improve their skill base and to assist their return to the workforce
- ✍ to achieve an asset that has long lasting value and benefit to the community
- ✍ to utilise government subsidies to complete a project at a minimum cost to the ratepayer
- ✍ to develop a programme to identify and promote local employment opportunities

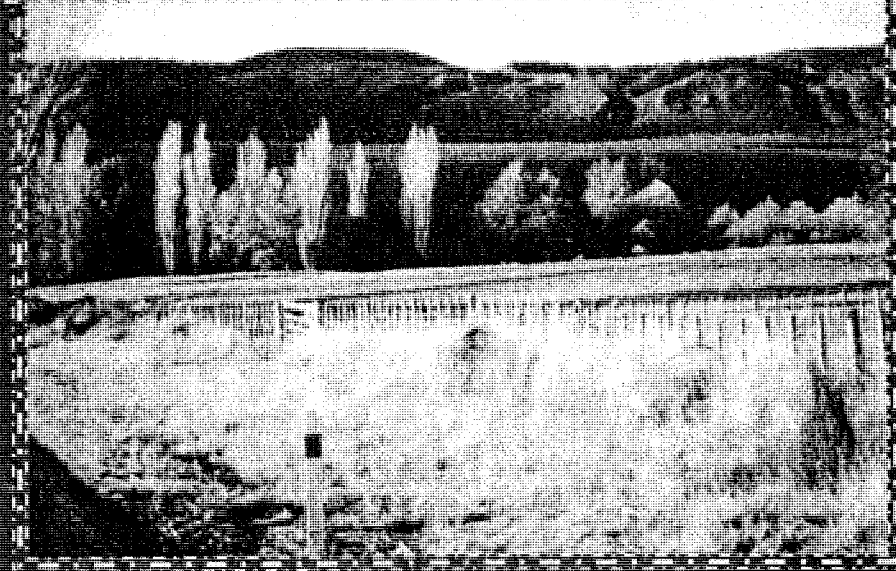
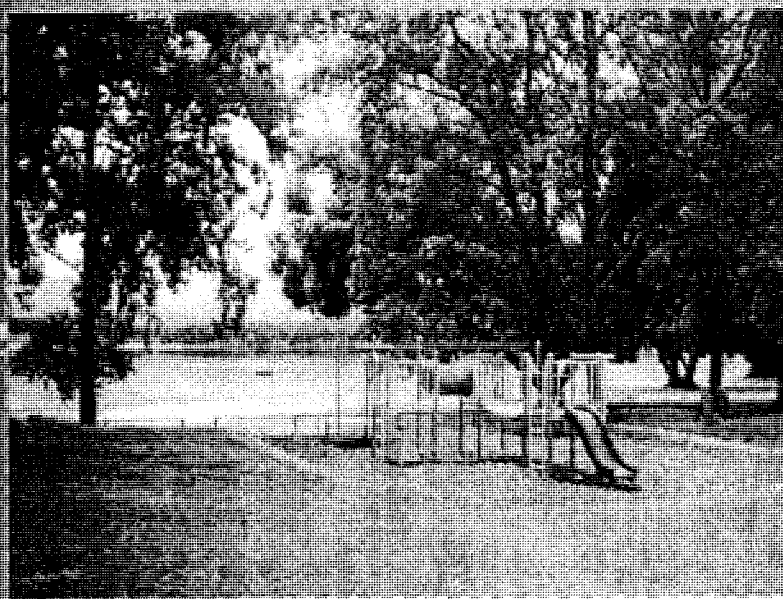
Since this scheme has proven to be beneficial to the community, any future developments of this nature should use the resource base available through Work and Income New Zealand.

Conservation Corp

The Conservation Corp is a youth training programme funded by the Ministry of Youth Affairs in Wellington. The purpose of this initiative is to provide youths (16-25) with the opportunity to develop life skills and career plans. Two six- monthly courses are held annually.

The Mangakino Community Agency in Mangakino administers this programme. This course provides an opportunity for 10 people to learn about conservation and recreation as well as additional educational skills within their community. It has recently been involved with the development of walking tracks around Lake Maraetai.

These and other government employment and training initiatives are beneficial to the community of Mangakino by providing for and encouraging new job skills in the labour market. The development of the Mangakino and Whakamaru Reserves as indicated in this plan may provide opportunities for future work, educational and job skill experiences within the community.



Portland, Oregon

Policies

Interpretation

The following section of this management plan relates to the management and development of the reserves. The goal, management objectives and policies for the management of the Mangakino and Whakamaru Reserves are all outlined in this section.

As the terms, goal, management objectives and policy are often interpreted in a variety of ways, they have been defined here as they are used for the purposes of this management plan.

Goal: An all encompassing statement of what is desired to be achieved, the purpose, destination or object of effort.

Management Objectives:

Outlines what is to be achieved in the policy in order to attain the goal.

It is derived from the Section 3 (General Purpose of this Act) of the Reserves Act 1977.

Policy: A statement of a specific issue of management that takes into account the management considerations previously addressed

A policy is comprised of three sections:

The policy statement: It may be a position statement or a proposal for action.

The explanation: Reasons for adopting the policy provides background information and considerations taken into account while formulating the policy.

Implementation: A broad programme of how the policy is to be implemented, specific actions needed to commence implementation of the policy.

ie: management action to be undertaken.



Goal and Management Objectives

The **Management Goal** of the Mangakino and Whakamaru Reserves is:

To develop areas for community and economic development of the
Mangakino and Whakamaru Reserves,
whilst maintaining and enhancing their ecological significance.

The management objectives for the Mangakino and Whakamaru Reserves have been formulated in consideration of the management responsibilities outlined in Section 3 (General Purpose of this Act) of the Reserves Act 1977.

The **Management Objectives** for the Mangakino and Whakamaru Reserves are:

To provide a natural environment for the benefit of the community.

eg: open areas adjacent to the lakes

To provide areas for community development.

eg: To reintroduce "family" orientated picnicking areas.

To provide areas for recreation activities.

eg: areas for golf, rugby and play

To appreciate the natural heritage of the reserves

eg: to protect trees of significant intrinsic worth

To preserve and maintain the ecology of the reserves

eg: to ensure that the majority of the reserves remain in a natural state

To make provision for areas of economic development

eg: To provide opportunities for camping facilities

To recognise and provide for the continued inspection, operation, maintenance and upgrading of existing network utilities.

eg: To provide for the maintenance of the transmission lines and towers.

Policy and Implementation Procedures

Policy A: Administration and Control

POLICY: ***To administer the Mangakino and Whakamaru Reserves as recreation reserves under Section 17 of the Reserves Act 1977 and in accordance with this management plan, the Taupo District Plan and the Parks and Reserves Bylaws.***

EXPLANATION: General management of the Mangakino and Whakamaru Reserves are the responsibility of the Mangakino Area Manager, with policy decisions being made by the Taupo District Council.

IMPLEMENTATION:  *The Mangakino and Whakamaru Reserves will be administered by the Taupo District Council and its staff, in accordance with the requirements of the Reserves Act 1977, the objectives and policies outlined in this management plan, local bylaws and the Taupo District Plan. Where the policies in this plan conflict with the bylaws then the management plan policies will prevail.*

 *Management of reserves is the responsibility of the Community Services Manager and staff of the Division.*

 *Any activity or development not allowed for under the policies contained in this management plan may be considered upon application to the Taupo District Council and in terms of the Reserves Act 1977.*

 *The Department of Conservation will be consulted on the management of the reserves when and where necessary.*

 *Any major change of objectives and policies should initiate a plan review.*

SEE ALSO: "How we manage your reserves"

This is the accompanying document to this plan which provides statutory information relevant to this plan, its process and legal standing.



Policy B: Buildings and Structures

POLICY: *To restrict new and existing buildings and structures on the reserves to those necessary to protect the natural environment and to facilitate the use of the reserve for its primary purpose.*

EXPLANATION: As the Mangakino and Whakamaru Reserves are openspace reserves the visual harmony of buildings with the natural environment is very important. It is therefore necessary to control the design, colour and materials of which buildings are made to ensure their compatibility with the environment.

There is a need to restrict the number of new buildings and structures on the reserve to those associated with recreation activities. Eg: club room, utility room, and tea room/kiosk.

- IMPLEMENTATION:**
-  *All new and existing buildings will be designed to be compatible with their environment.*
 -  *Any new or existing buildings or structures will conform to the requirements of the Taupo District Plan, Building Act 1991 and Bylaws.*
 -  *The location, design, colours and materials of any new and existing buildings or structures will be in harmony with the natural environment.*
 -  *To improve and maintain to a high standard Children's play equipment.*
 -  *To improve, upgrade and /or relocate or make provision for appropriate toilet facilities on the reserves.*
 -  *To restore /upgrade the boat ramp on Whakamaru Lakeside Reserve.*
 -  *To maintain and upgrade existing structures*

-  *To assess the need for boat ramps*
-  *To provide for the maintenance and operation of the existing power transmission towers and lines on the reserves.*
-  *To define "upgrading" of transmission lines and towers as an increase in the carrying capacity, efficiency or security of electrical supply through the utilisation of existing support structures or structures of a similar scale and character. Upgrading will not include an increase in the voltage of the line or any significant or change in the support structures used.*
-  *The following categories of buildings and structures will be permitted:*

Those necessary for public enjoyment, comfort and safety.

Those associated with or ancillary to an outdoor recreational activity at the reserve.

Buildings associated with the establishment of a motor camp or outdoor pursuits centre.

Existing buildings.

SEE ALSO: Interpretation, Signs, Banners and Flags
Carriageways, Roads & Vehicle Parking
Group Activities/Special Events
Economic Development
Concept Plan



Policy C: Camping

POLICY: ***To permit camping in designated areas of the Mangakino and Whakamaru Reserves.***

EXPLANATION: Camping is presently allowed on the Mangakino Recreation Reserve, Whakamaru Domain and Whakamaru Recreation Reserve.

If a commercial camping venture is set up on any of the above reserves, then free camping may be restricted.

IMPLEMENTATION:  *Unauthorised camping will not be permitted on the reserves and anyone found doing so will be removed by Council staff or appropriate authorities and may be subject to prosecution.*

 *Camping will only be permitted in designated areas of the Mangakino and Whakamaru Reserves*

 *A commercial camping facility may be developed on the Mangakino Recreation Reserve, Whakamaru Recreation Reserve and /or Whakamaru Domain.*

 *Short –term overnight stays/camping may be permitted at the Whakamaru Recreation Reserve in association with events/activities held at the Whakamaru Water Ski Club.*

SEE ALSO: Economic Developments
Concept Plan

Policy D: Dogs and Horses

POLICY: ***To allow dogs in the Mangakino and Whakamaru Reserves where they are leashed at all times.***

To allow dogs to be exercised in a designated area of the Mangakino Recreation Reserve

Horses will not be permitted on the Mangakino and Whakamaru Reserves, except for the foreshore area south of Lake Rd and excluding the Golf Course of the Mangakino Recreation Reserve, the Whakamaru Domain Pony Club area and in association with approved activities.

EXPLANATION: Dogs are companions for people as part of the family or they provide security for those who require it. However when they are not suitably controlled they cause a nuisance to other users or to other dogs. Provided they are suitably controlled these problems can be minimised. For this reason, part of the Mangakino Recreation Reserve has been designated as a dog exercise area under the Taupo District Council Control Of Dogs Bylaw 1997.

The riding of horses around play and picnic areas, walking tracks, and formal recreational areas is incompatible with these activities and therefore not permitted. However, horses will be permitted on the foreshore area of Mangakino Recreation Reserve and the Whakamaru Domain in association with pony club activities.

IMPLEMENTATION:

-  ***To permit dogs on the Mangakino and Whakamaru Reserves so long as they are leashed at all times.***
-  ***To prohibit dogs in the play equipment areas of the reserves.***
-  ***To allow dogs to be exercised on part of the Mangakino Recreation Reserve, south of Lake Road between the lake and golf course. (designated exercise area).***



-  *Dog owners are expected to clean up after their dogs. Anybody responsible for the dog(s) and failing to do this may be prosecuted.*
-  *The person responsible for the dog(s) should carry a pooper-scooper bag or similar to ensure that dog droppings are removed immediately.*
-  *Where dogs are found out of control, owners may be prosecuted*
-  *The riding of horses will only be permitted along the foreshore area of the Mangakino Recreation Reserve south of Lake Rd excluding the golf course*
-  *Horses are not permitted on the Mangakino and Whakamaru Reserves (with the exception of clause g of this policy). Any horses found on the Mangakino and Whakamaru Reserves without consent may be impounded and the owners may be prosecuted*
-  *Horses may be allowed if associated with approved activities such as grazing.*

Policy E: Economic Developments

POLICY: ***To permit commercial activities in the Mangakino and Whakamaru Reserves providing they enhance the use of the reserves for appropriate recreation.***

EXPLANATION: Commercial activities associated with enhancing the recreational use of the reserves will be encouraged.

Eg: Motorcamp, outdoor pursuits, watersports facilities etc.

IMPLEMENTATION:

-  *Recreational based commercial activities will be permitted on these reserves so long as they are in keeping with this plan.*
-  *A bond may be levied if there is a likelihood of damage to the reserve.*
-  *To investigate and when and if appropriate develop an outdoor pursuits centre on the Whakamaru Recreation Reserve*
-  *An Amusement Device Licence will be required for all motorised activities pursuant to Health and Safety in Employment Act 1992, Machinery Act 1950 and Amusement Device Regulations 1978.*

SEE ALSO: Recreation Opportunities
Public Access & Reserve Closure
Group Activities/Special Events



Policy F: Fees

POLICY: *To permit free public access to the Mangakino and Whakamaru Reserves subject to the provisions of Section 53 of the Reserves Act 1977, except for special events or commercial activities.*

EXPLANATION: The public will generally be allowed free access to the reserves. The Council may require a fee from groups (commercial or non-commercial) using the reserve for activities involving the exclusive use of a site for a particular event. These groups will in turn be able to charge their members or clients. The fees imposed by the Council will be set at the time of their application for the activity.

All applications will be subject to the provisions of this management plan, the District Plan and the Reserves Act 1977.

IMPLEMENTATION:

-  *There will be no fee charged to members of the public using the Mangakino and Whakamaru Reserves on an informal basis.*
-  *Fees may be charged for commercial use of the reserve and to a lesser extent non-commercial use. The Taupo District Council will determine the amount of the fee charged.*
-  *Should a motor camp, outdoor pursuits centre or any comparable business venture be developed on any of the reserves, then a lease rental fee will be charged. The lessee may charge the public for use of the facilities subject to the provisions of the Reserves Act 1977.*

SEE ALSO: Public Access & Reserve Closure
Group Activities/Special Events

Policy G: Group Activities / Special Events

POLICY: *To encourage organised formal activities.*

EXPLANATION: Council periodically receives applications from both commercial and non-commercial groups to hold short term or one-off events on reserves. Eg: regattas, speedboat races, circuses, fairs

Applications will be viewed favourably so long as there is minimal adverse effect to the reserve and its environment.

IMPLEMENTATION:  *Any application received by Council for short-term use will be assessed on its merits to determine its suitability and appropriateness to a reserve.*

 *A scale of fees will be enforced for such applications. The amount of the fee and / or bond will depend on the possible effects of the event, and the end use for any proceeds.*

 *All applicants must demonstrate that the activity will not have more than minimal adverse effect on the reserves and their primary purpose.*

 *All applications will be subject to the provisions of Section 53 (Powers(other than leasing) in respect of recreation reserves) of the Reserves Act 1977.*

 *An authorised Officer of the Taupo District Council can approve an activity upon application.*

SEE ALSO: Recreation Opportunities
Public Access & Reserve Closure
Fees
Utility Services and Facilities
Economic Development
Soil Conservation



Policy H: Heritage Sites

POLICY: *To identify and protect any historic sites or other historic features and where possible to interpret these to the public appropriately.*

EXPLANATION: There is a gap in our knowledge concerning historical and archaeological sites in the area. This applies to Maori sites in particular.

IMPLEMENTATION:  *The history of the reserves will be interpreted to the public as part of the overall interpretation plan for the area.*

 *Historic sites are protected under the provisions of the Historic Places Act 1980 and as required by the Historic Places Trust.*

SEE ALSO: Interpretation, Signs, Banners and Flags
Concept Plan

Policy I: Interpretation, Signs, Banners and Flags

POLICY: *To erect an adequate number of signs to ensure that all visitors to the reserves are aware of the location of facilities and amenities, the rules governing the area and some information, including history about the reserve.*

EXPLANATION: Good design of a reserve will ensure that an adequate number of signs to direct and inform visitors are required. It is preferable that all such signage be limited to reduce the number of structures in the reserve.

There will also be a requirement for directional signs to various important locations within a reserve.

Heritage values of the reserves could be interpreted on appropriate signage.

- IMPLEMENTATION:**
-  *Information signs will be positioned appropriately on the reserves and include a plan of the area, permitted activities, reserve history and other features of the reserves.*
 -  *All signs must conform to the Taupo District Plan.*
 -  *All signs must be constructed in durable materials to minimise the potential for vandalism and be approved by the administrators of the reserve.*
 -  *All signs should be designed and of a colour, size, shape etc. to be in harmony with the reserve. Permanent materials should be used where possible and all signs must be held in good repair at all times.*
 -  *No sign shall be erected on the reserves except for those directly relevant to reserve usage or to assist public use of the reserve.*



-  *To identify and where appropriate interpret the heritage value of the reserves.*
-  *To rename the Mangakino Recreation Reserve as Lake Maraetai Recreation Reserve.*
-  *To rename the reserve more appropriately and invite suggestions*
-  *Banners and flags may be approved for short-term promotional purposes.*
-  *All signs, banners and flags must be approved by an authorised Officer of Council*

SEE ALSO: Utility Services and Facilities
 Economic Development
 Concept Plan

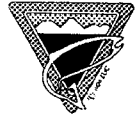
Policy J: Journeys, Paths, Tracks and Trails

POLICY: *To develop and maintain a walking track network necessary to enhance the reserves.*

EXPLANATION: Walking tracks provide opportunities for people to exercise and appreciate the natural features of a reserve.

IMPLEMENTATION:  *Walking tracks will be developed and maintained to a standard sufficient to allow the public uninhibited foot access while preserving the "natural" appearance of the reserve.*

SEE ALSO: Concept Plan



Policy K: Carriageways, Roads and Vehicle Parking

POLICY: *To provide and maintain roads and carparking to a level appropriate for the level of use that the reserves can sustain without diminishing the reserves' outdoor recreation values.*

EXPLANATION: There is a need to ensure appropriate levels of vehicular access to the reserves. Car parks and boat trailer parking facilities are to be upgraded or installed where necessary in order to achieve optimum benefits for the community.

IMPLEMENTATION:  *Existing roads and carparks will be maintained and/or improved to a suitable standard to allow public access to recreation areas.*

 *To upgrade the driveway to the lake's edge at the Whakamaru Recreation Reserve and Whakamaru Lakeside Reserve.*

 *Vehicle parking areas will be designed to be appropriate for each recreation area.*

 *To improve the driveway and car parking area for the Mangakino Rugby Ground.*

 *To designate specific areas for boat trailer parking if there is a demand for this.*

 *To improve car parks on Whakamaru Recreation Reserve and the Whakamaru Lakeside Reserve*

SEE ALSO: Utility Services and Facilities
Concept Plan

Policy L: Leases and Licences

POLICY: ***To conditionally approve leases and licences for use of the Mangakino and Whakamaru Reserves where consistent with the provisions of the Reserves Act 1977.***

EXPLANATION: Section 54 (Leasing powers in respect of recreation reserves (except farming, grazing, or afforestation leases)) of the Reserves Act 1977 permits leases of recreation reserves by clubs and organisations who utilise the area for recreational activities.

Section 73 (Leasing of recreation reserves for farming, grazing, afforestation, or other purposes) of the Reserves Act 1977 permits leases of recreation reserves for grazing. Grazing licences may be issued with a three (3) year tenure. The restriction of tenure, is in recognition that these areas have alternative future uses such as forestry, camping grounds and outdoor pursuits centre.

IMPLEMENTATION:  *All proposed leases of the reserves will be assessed in terms of the requirements of the Reserves Act 1977, particularly Section 54. When Council approves a lease appropriate conditions contained in the Act will be imposed, along with any other conditions Council feels are necessary to insure the wise use and management of the reserves. Leases may have maximum tenure of fourteen (14) years and rights of renewal at the discretion of Council.*

 *All leases must comply with the "Leases for Recreation and Community Service Areas" rental policy for the Taupo District Council.*

 *At the discretion of Council, grazing licences will have a maximum tenure of three(3) years at any one time.*

 *To acknowledge the intent of the Commissioner for Crown Land to complete a land management strategy for land surrounding the Crown hydro lakes and the completion of the operating easements around Lakes Whakamaru and Maraetai.*

SEE ALSO: Economic Development, Camping, Concept Plan



Policy M: Maintenance and Servicing

POLICY: *To provide, service and maintain the reserves to a standard acceptable by the community for the purposes of recreation.*

EXPLANATION: The services including the play ground equipment are required to be maintained to appropriate health and safety standards. It is necessary to maintain all services including those existing services which do not directly service the reserve to appropriate levels thus ensuring effective management.

Effective reserve management requires that all services are maintained to levels accepted by the users of the reserve.

Implementation

-  *To provide and maintain existing services*
-  *Where provision of utility services is deemed necessary they shall be designed and located so that their impact on the reserve's visual and recreational values is minimised.*
-  *To annually review and report on the maintenance standards of the reserves*
-  *To landscape the entrances to the reserves.*
-  *To install children's play equipment in designated areas on Whakamaru Recreation Reserve and Whakamaru Lakeside Reserve*
-  *To maintain all children's play equipment to the appropriate NZ safety standard*
-  *To allow the maintenance and upgrading of existing utility services located within the reserves including those which do not directly service the reserve*

-  To define "upgrading" of transmission lines and towers "as an increase in the carrying capacity, efficiency or security of electrical supply through the utilisation of existing support structures or structures of a similar scale and character. Upgrading will not include an increase in the voltage of the line or any significant or change in the support structures used".
-  The service statements outlined in "How we manage your reserves" will be adhered to.
-  Seating and rubbish bins are provided and maintained in appropriate locations

See Also: "How we manage your reserves"



Policy N: Natural Landscapes

POLICY: ***To protect and enhance the landscape character and scenic quality of the Mangakino and Whakamaru Reserves***

EXPLANATION: The landscape character and scenic beauty of the reserves are inherently important natural features of the area, worthy of protection. Captivating views of the lakes and hinterlands can be obtained from various areas within the reserves and where possible these should be preserved and or enhanced.

It is therefore important that the reserves are well landscaped and aesthetically pleasing.

- IMPLEMENTATION:**
-  *All landscape plans for the reserve will be designed to protect and enhance the natural features of the reserves.*
 -  *The scenic qualities of the reserves and the views obtained from them will be protected and enhanced by ensuring that vegetation is pruned and/ or removed when and where necessary.*
 -  *Tree planting will be designed to protect and enhance the visual and aesthetic appeal of the reserves*
 -  *To develop a scenic lookout at the Whakamaru Lakeside Reserve to take advantage of the panoramic views.*
 -  *To screen off the Imhoff tanks (Mangakino Recreation Reserve) with trees and shrubs.*
 -  *To landscape the entrances to the reserves.*
 -  *To work with Environment Waikato, Mighty River Power Ltd. and other users of the Waikato River in mitigating the effects of erosion.*

SEE ALSO: Vegetation Management
Concept Plan

Policy O: Offences and Vandalism

POLICY: ***To prosecute anyone found to be undertaking a material offence on the reserves as defined in Section 94 of the Reserves Act 1977 or in the Parks and Reserves Bylaws.***

EXPLANATION: The Council may bring a prosecution against anyone found undertaking a material offence on the reserve. Reserves are for the enjoyment and use of everyone in perpetuity. Vandalism and offences against the reserve can threaten the long-term viability of the area and can create increased maintenance costs to the Council.

IMPLEMENTATION:  *The Council will inform the NZ Police in acts of vandalism.*

 *The Council may lay a complaint with the NZ Police against any person found undertaking a material offence against the reserves.*

 *Every person allegedly committing any offence on the reserve shall, upon request of the Council or any authorised officer, immediately leave the reserve and may be prohibited from appearing on the reserve for each period as the authorised officer deems fit, but shall nevertheless be liable also to be prosecuted for the offence.*

 *When an offender has been identified, the Council may reclaim reinstatement costs.*

SEE ALSO:



Policy P: Public Access & Reserve Closure

POLICY: ***To make the Mangakino and Whakamaru Reserves accessible to the public taking into account safety, natural values, capacity for use, the provisions of Section 53 (Powers (other than leasing) in respect of recreation reserves) of the Reserves Act 1977, other Acts and Bylaws and any other restrictions necessary for the reserves' protection and management.***

EXPLANATION: Section 53 of the Act generally allows public access to the reserves at all times. It may however be necessary periodically to close part or all of the reserve to the public for maintenance, safety reasons, protection of natural values or to enable particular events to be staged.

IMPLEMENTATION:  *When necessary a reserve(s) or part of it will be closed to the public subject to the provisions of the Reserves Act 1977.*

 *To enhance access to the reserves.*

SEE ALSO: Fees
Group Activities/Special Events
Economic Development
Camping

Policy Q: Quality Experience

POLICY: *To enhance the social well-being of the community by encouraging an appreciation of the unique and special qualities of the reserves*

EXPLANATION: Leaving the reserves as areas where people can go to relax and enjoy the openspaces and unique landscapes provides a great deal of social benefit to the community. Reserves play a significant role in maintaining the health (both physical and mental), fitness and general well-being of the population.

IMPLEMENTATION:  *The Mangakino and Whakamaru Reserves will be developed and maintained for the recreational needs of the community as a means of increasing the health and quality of life of those who use the reserves.*

 *The Council will encourage the use of the reserves for educational purposes and make available information to assist such groups obtains an understanding of the reserves.*

SEE ALSO: Concept Plan



Policy R: Recreation Opportunities

POLICY: ***To manage the Mangakino and Whakamaru Reserves as recreation areas.***

EXPLANATION: The primary purpose of the Mangakino and Whakamaru Reserves is to provide an opportunity for outdoor recreation. Outdoor recreation activities take many forms and are defined in many ways. It is appropriate in this case to maintain and enhance the positive attributes of the area by allowing activities that do not detract from them.

The Mangakino and Whakamaru Reserves provide an opportunity for a 'natural' experience.

In particular it offers:

A relatively natural environment,
a variety of landscapes,
areas of open space,
access to the lakes and Waikato River.

The Mangakino and Whakamaru Reserves cater for a number of activities such as golf, bowling, rugby, water skiing, fishing and rowing.

Informal recreational activities such as picnicking, children's play, camping, walking etc are also uses or potential uses of the reserves.

All of these activities have social advantages for the community and should be recognised as such.

These are the values of the Mangakino and Whakamaru Reserves that this management plan intends to maintain. As such, the types of recreation activities considered most appropriate are those which enhance the natural features of the area.

IMPLEMENTATION:  *To allow outdoor recreation activities which recognise the present values of the reserve. These values are discussed under the explanation above.*

SEE ALSO: Economic Development
Group Activities / Special Events

Policy S: Soil Conservation

POLICY: *To manage the Mangakino and Whakamaru Reserves in such a way as to minimise soil and lake edge erosion.*

EXPLANATION: There is continual damage done to the foreshore areas of Lakes Maraetai and Whakamaru by the varying lake levels. Erosion is a major problem that needs to be addressed by the Council in consultation with Mighty River Power Ltd. and other users of the Lakes including Environment Waikato.

IMPLEMENTATION:  *Revegetation and other necessary work will be undertaken at existing sites of erosion.*

 *Vegetation will be retained in areas prone to erosion.*

 *To mitigate the effects of soil erosion.*

 *To undertake an erosion control study of the foreshore and reserve areas of the Whakamaru Recreation Reserve to determine ways of mitigating, remedying and avoiding the effects of erosion.*

 *To action the most appropriate outcome of the erosion control study at the Whakamaru Recreation Reserve as and when finance is available.*

SEE ALSO: Vegetation Management
Concept Plan



Policy T: Transportation

POLICY: ***To prohibit the use of all motorised vehicles in the Mangakino and Whakamaru Reserves except on the formed roads, accessways, parking areas and maintenance vehicles on the reserves.***

EXPLANATION: All motorised vehicles (including motorbikes and trail bikes) can have adverse effects on the natural values of a reserve and on the experience and safety of visitors to an area.

The location of roads and parking areas will be specifically designed so that any activities compatible with the reserves and this plan, requiring vehicle use will be catered for.

IMPLEMENTATION:  *To restrict the use of all motorised vehicles in the Mangakino and Whakamaru Reserves except on the formed roads and parking areas.*

 *To restrict the use of all motorised vehicles in the Mangakino and Whakamaru Reserves except for reserve maintenance.*

 *Any person(s) found riding or driving a vehicle inappropriately on the reserve shall, upon request of the Council or any authorised officer, immediately leave the reserve but shall nevertheless be liable also to be prosecuted for the offence.*

 *To allow vehicles for approved activities*

 *A vehicle is defined in accordance with Section 2 (Interpretation) of the Transport Act 1962.*

Fees

SEE ALSO: Carriageway, Roads and Vehicle Parking

Policy U: Utility Services and Facilities

POLICY: *To restrict new facilities and services on the reserves to those necessary to protect the natural environment and to facilitate the use of the reserve for its primary purpose while recognising the existence of other utility services which provide benefit to the wider community and allowing their continued maintenance and upgrading.*

EXPLANATION: There is a need to ensure that appropriate facilities and services are installed to facilitate various recreation uses of the reserves.

IMPLEMENTATION:  *Facilities and services will be permitted where there is a need to provide protection to the environment and ensure the safety and enjoyment of permitted recreation activities.*

 *No unauthorised open fires will be permitted*

 *To maintain all children's play equipment to appropriate New Zealand Safety Standards NZS 5828 (1986).*

 *To improve, upgrade and /or relocate or make provision for appropriate toilet facilities on the reserves*

 *To assess the need for boat ramps.*

 *To provide a cold water shower on Whakamaru Domain.*

 *To upgrade the water supply to Whakamaru Domain.*

 *To allow the maintenance and upgrading of existing utility services located within the reserves including those which do not directly service the reserve.*

 *To accommodate the provision of an operation and/or easement for a sewerage system over the Mangakino Recreation Reserve following consultation with the community.*

SEE ALSO: Interpretation, Signs Banners and Flags, Carriageways, Roads and Parking, Group Activities/Special Events, Economic Development Concept Plan



Policy V: Vegetation Management

POLICY: *To provide shade, shelter, aesthetic value and diversity to the Mangakino and Whakamaru Reserves through the planting of vegetation in appropriate areas and to selectively remove unwanted vegetation where appropriate. To undertake noxious weed control necessary for the protection and general well - being of the reserves.*

EXPLANATION: In some open space areas of the reserves, it may be appropriate to plant vegetation for shade, and to improve their visual appeal. This will be based on landscape planning practices and may consist of both native and exotic species as deemed appropriate.

The preparation of landscape plans for the reserves (or parts thereof) would therefore be desirable.
Some weed control will be necessary to ensure protection of indigenous flora and fauna and for soil conservation purposes.

- IMPLEMENTATION:**
-  *Management of trees, bush and other vegetation on the reserves shall be in accordance with the requirements of Section 42 of the Reserves Act 1977 and Part V of the Biosecurity Act 1993.*
 -  *Pruning and extraction of trees or bush shall have a minimal impact on a reserve (birdlife, wildlife erosion etc.) and where appropriate provision shall be made for replacement planting or restoration.*
 -  *Planting of native and exotic vegetation will be undertaken on the reserves for amenity, ecological purposes to enhance the visual appeal of the reserves but will take into consideration the protection of the lake views of neighbouring residents.*
 -  *To plant additional trees and shrubs along the perimeter of the Mangakino Rugby Ground to act as a natural boundary of the reserve*

-  *Council Staff will undertake weed control where necessary.*
-  *To identify trees of significant value.*
-  *Members of the public are not permitted to cut trees although vegetation trimming in accordance with approved standards to maintain the security of overhead electrical transmission lines is permitted with the prior notification of an authorised Council Officer.*

SEE ALSO: Soil Conservation



Policy W: Wildlife Management

POLICY: *To protect, where appropriate and manage the wildlife and wildlife habitat of the Mangakino and Whakamaru Reserves to an extent compatible with the reserves' primary purpose. This management includes the control of pests necessary for the protection and general well - being of the reserves.*

EXPLANATION: It is important that the desirable wildlife of the Mangakino and Whakamaru Reserves are afforded some protection and that wildlife habitats are managed in a way to encourage indigenous wildlife to the area. Birds provide an attraction in this type of environment.

Management of habitat in the reserve will be particularly important in respect of increasing species numbers and diversity. Management and control of pests will also have to be undertaken periodically.

This section shall not authorise the undertaking of any action that will contravene the Wildlife Act 1953 or any regulations, proclamation or notification under that Act.

The Council would appreciate public comment on the wildlife of the area to enable it to produce a detailed profile of wildlife habitats.

- IMPLEMENTATION:**
-  *Native and exotic fauna normally found in the reserve will generally be protected and encouraged subject to the requirements of any bylaws and regulations relating to noxious animals and vermin and to fishing rights.*
 -  *Planting of berry and nectar producing plants shall be included in planting plans where practical to encourage indigenous species of birds to the area.*
 -  *If required, a pest control programme will be contracted out by the Council.*

SEE ALSO: Dogs and Horses

Policy X: Xtra Advantages

POLICY: ***To encourage the use of the Mangakino and Whakamaru Reserves for the enhancement of the social well-being and educational opportunities of the public.***

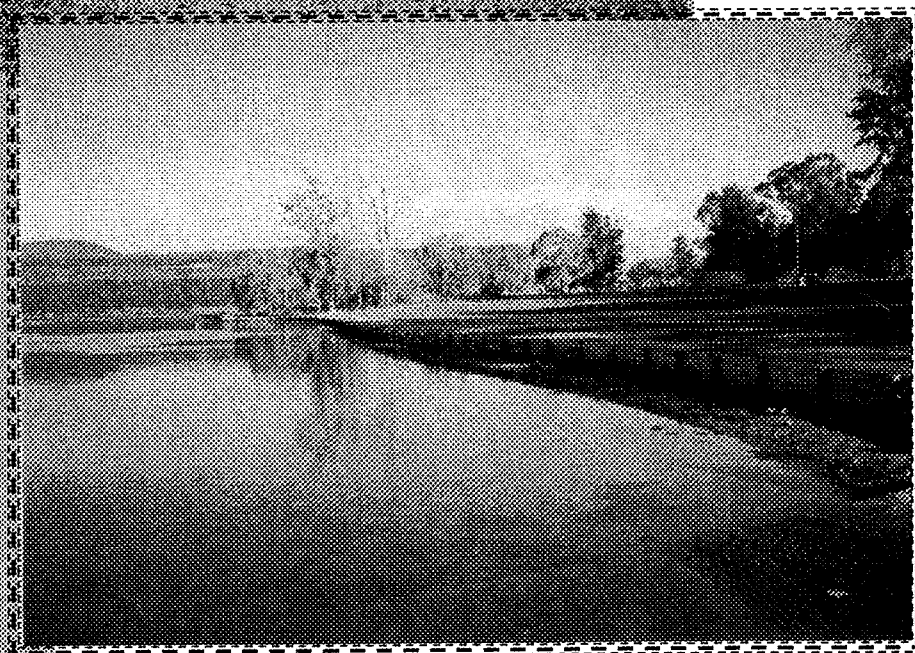
EXPLANATION: *Leaving the reserves as areas where people can go to relax and enjoy the openspaces provide a great deal of social benefit. Reserves play a significant role in maintaining the health (both physical and mental), fitness and general well-being of the population.*

Implementation:  *The Mangakino and Whakamaru Reserves will be developed and maintained for the recreational needs of the community as a means of increasing the health and quality of life of those who use the reserves.*

 *The Council will encourage the use of the reserves for educational purposes and make available information to assist such groups obtains an understanding of the reserves.*

See Also: Concept Plan

Concept Plan



Concept Plan

Concept Plan A: Mangakino Recreation Reserve

Plan objectives

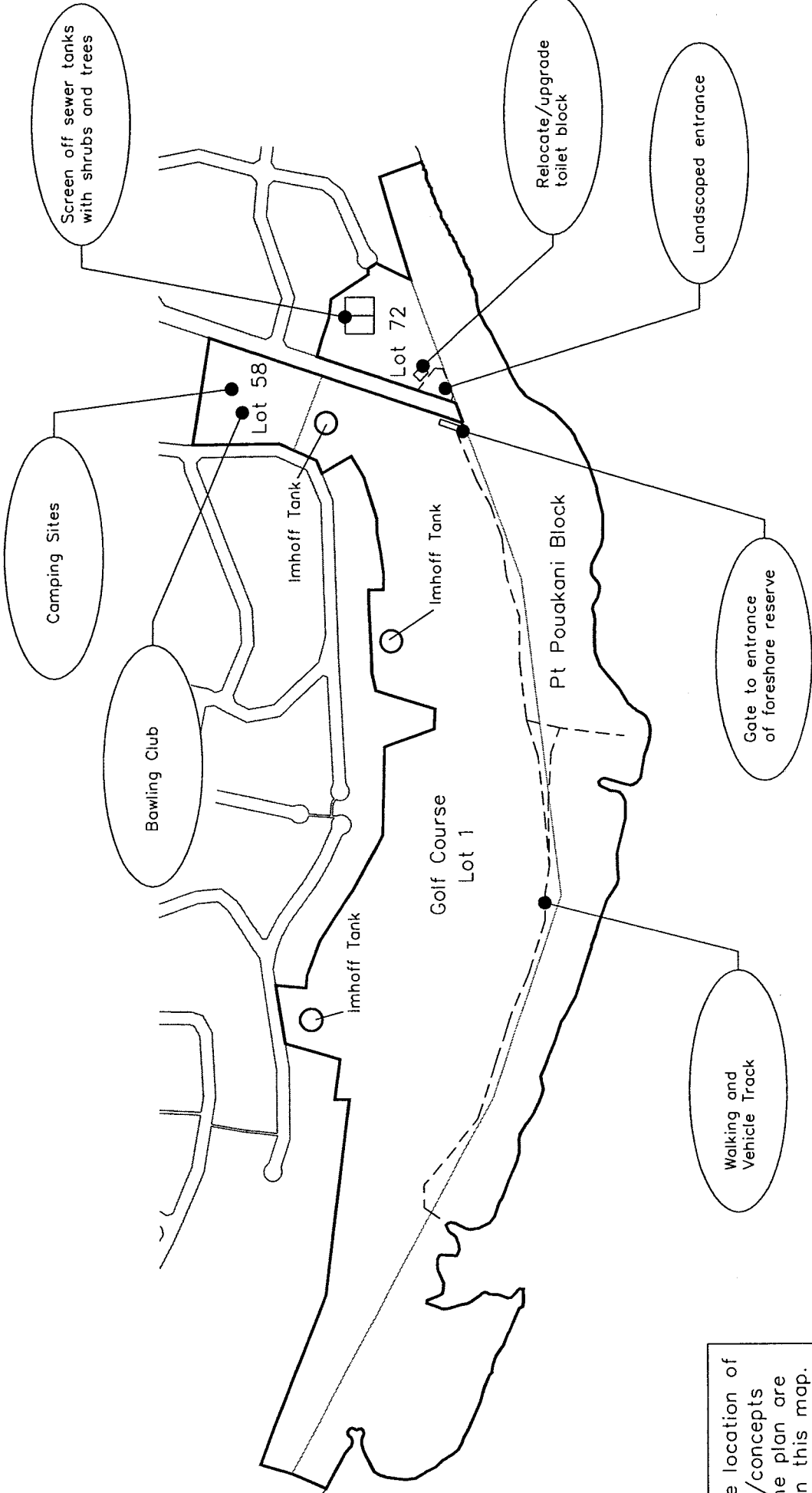
- ✍ To relocate and/or upgrade the toilet block
- ✍ To rename the reserve eg: Lake Maraetai Recreation Reserve or Mangakino Lakeside Reserve.
- ✍ To minimise soil and lake edge erosion in consultation with users of the lake
- ✍ To designate a swimming zone on Lake Maraetai
- ✍ To screen the Imhoff tanks with shrubs and trees
- ✍ To remove the blackberry, broom and honeysuckle as resources allow
- ✍ To develop and maintain walking tracks within the reserve and foreshore areas
- ✍ To upgrade the maintenance of the reserve
- ✍ To prepare a Planting Plan which ensures the protection of the visual environment of the lake
- ✍ That in consultation with the Mangakino Township Incorporation, the Council may action the exchange of Lot 72 DPS 8594 with part of Lot 58 DPS 12600.
- ✍ That in pursuing the exchange of Lot 72 with Lot 58 the Council will ensure the compliance with the necessary provisions of the Reserves Act 1977.
- ✍ To obtain easements for sewerage operations over Lot 72 DPS 8594.
- ✍ To accommodate the provision of an easement for a sewerage system over the Mangakino Recreation Reserve following consultation with the community.

Development Opportunity

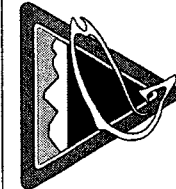
There is an opportunity to develop a commercial camping ground on the Mangakino Recreation Reserve. The Council will consider an application to develop such a facility.

If and when a camping ground is developed on the reserve, free camping on this reserve may no longer be permitted

Management Plan 2000



Indicative location of features/concepts within the plan are shown on this map.



LOCATION: Lake Road, Mangakino
LEGAL DESCRIPTION: Lot 1 DPS 13796
Lot 58 DPS 12690, Lot 72 DPS 8594
Part Poudkani Block



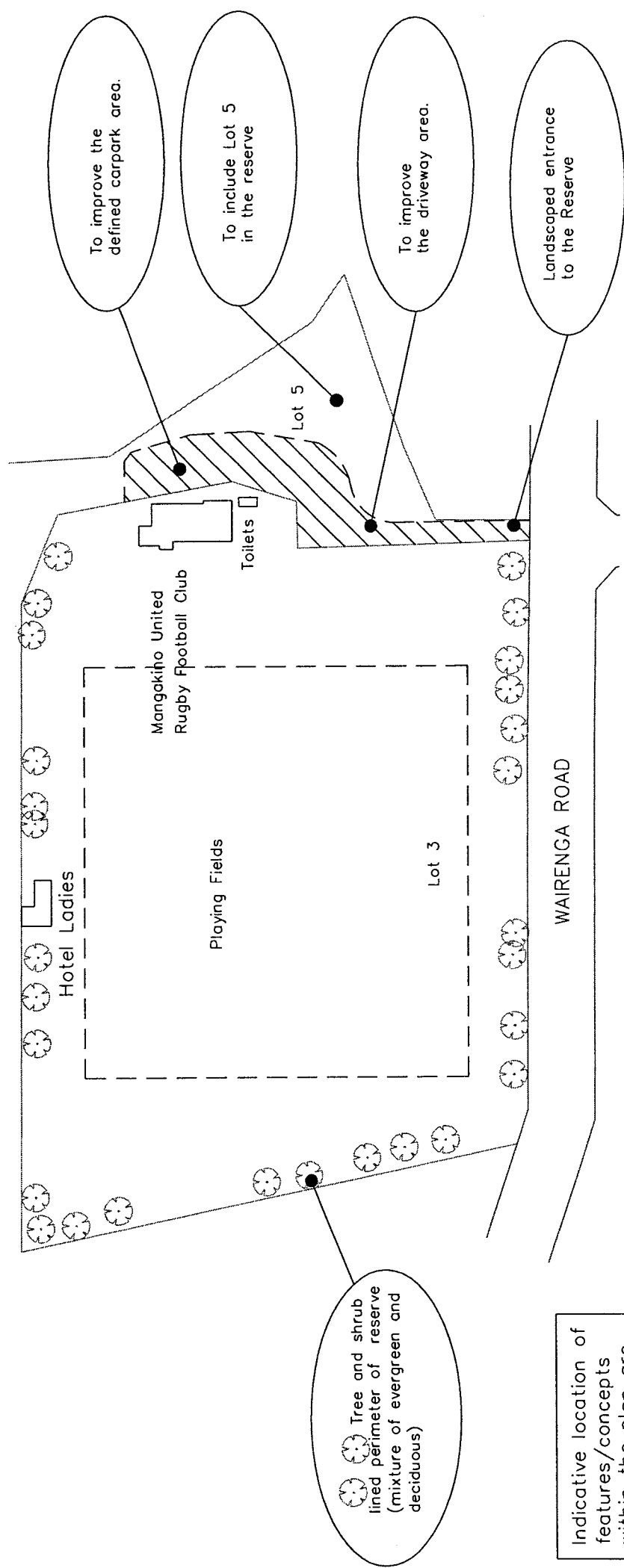
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Concept Plan B: Mangakino Rugby Ground

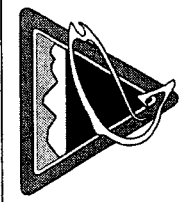
Plan objectives

- ✍ To upgrade the maintenance of the reserve
- ✍ To landscape the entrance to the reserve
- ✍ To improve the driveway and define a car parking area
- ✍ To plant more trees and shrubs around the perimeter of the reserve
- ✍ To develop a landscape plan for the reserve
- ✍ To develop a planting plan
- ✍ To include Lot 5 as part of the Mangakino Rugby Ground

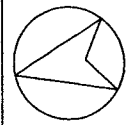
Concept Plan B: Mangakino Rugby Ground



Indicative location of features/concepts within the plan are shown on this map.



LOCATION: Wairenga Road, Mangakino
 LEGAL DESCRIPTION: Lot 3 DPS 6558
 3.0457ha Recreation Reserve
 Lot 5 DPS 17447 0.8781ha Recreation Reserve



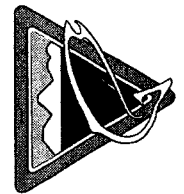
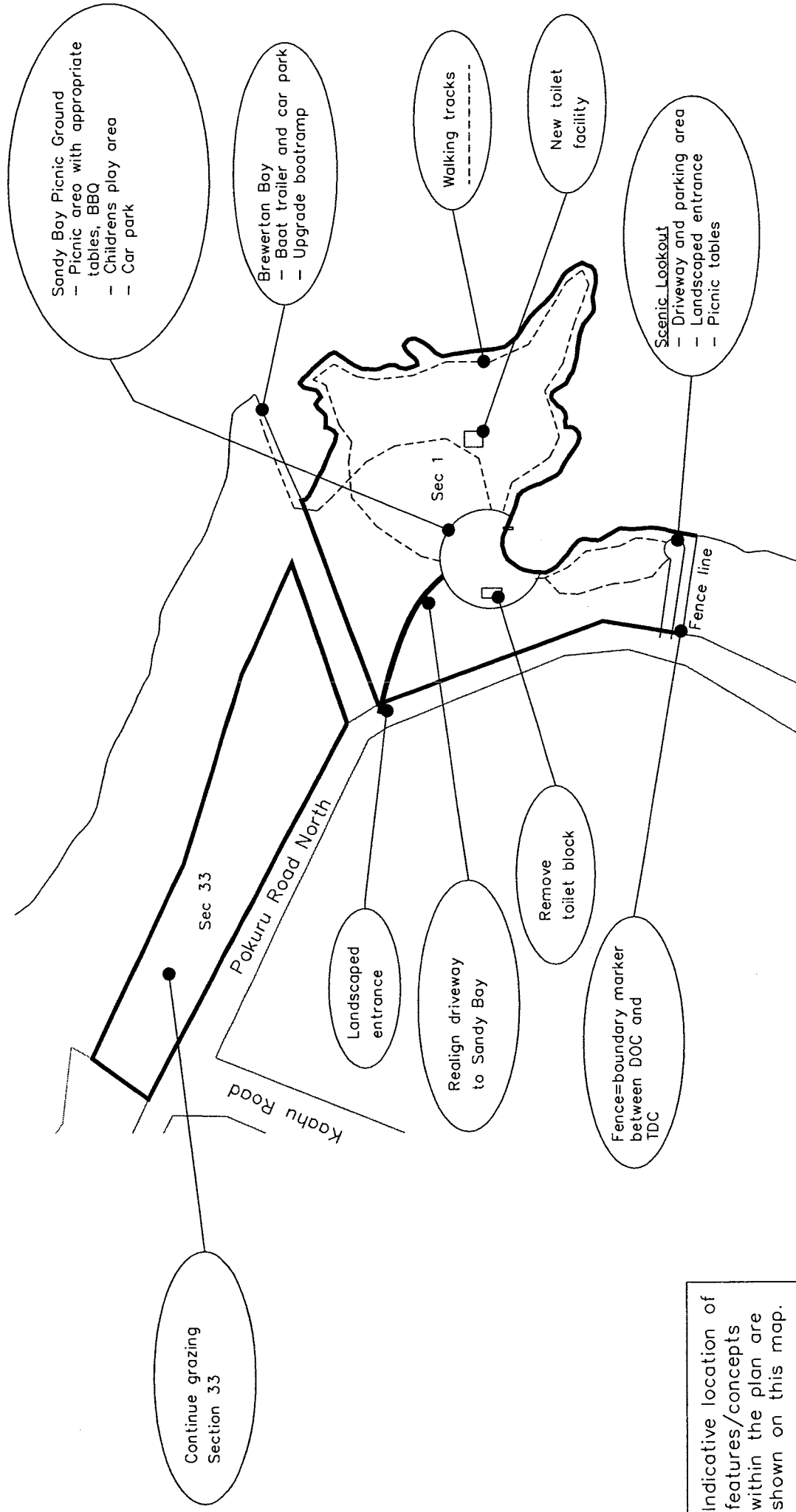
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Concept Plan C: Whakamaru Lakeside Reserve

Plan objectives

- ✍ To develop a "wilderness" reserve
- ✍ To rename the reserve more appropriately eg: Brewerton Bay Reserve or Lake Whakamaru Recreation Reserve.
- ✍ To upgrade/restore the boat ramp
- ✍ To realign the driveway to "Sandy Bay"
- ✍ To landscape the entrance to the reserve
- ✍ To develop a scenic lookout at the southern end of the reserve taking advantage of the panoramic views with appropriate access, driveway, car park, picnic tables and landscaping.
- ✍ To continue grazing of Section 33 with a maximum tenure at any one time of three (3) years at the discretion of Council.
- ✍ To develop "Sandy Bay" as a lakeside picnicking area with appropriate facilities and to construct a walking track network between "Sandy Bay", the proposed scenic lookout and "Brewerton Bay".
- ✍ To remove the existing toilet block and construct a new toilet block between "Sandy" and "Brewerton" Bays.
- ✍ To prepare a Planting Plan and identify trees of significant value
- ✍ To construct a boundary fence between the reserve and land held by DOC

Concept Plan C: Whakamaru Lakeside Reserve



LOCATION: Pokuru Road North, Whakamaru
LEGAL DESCRIPTION: Sec 33, Sec 1
Recreation Reserve

Concept Plan D: Whakamaru Recreation Reserve

Plan objectives

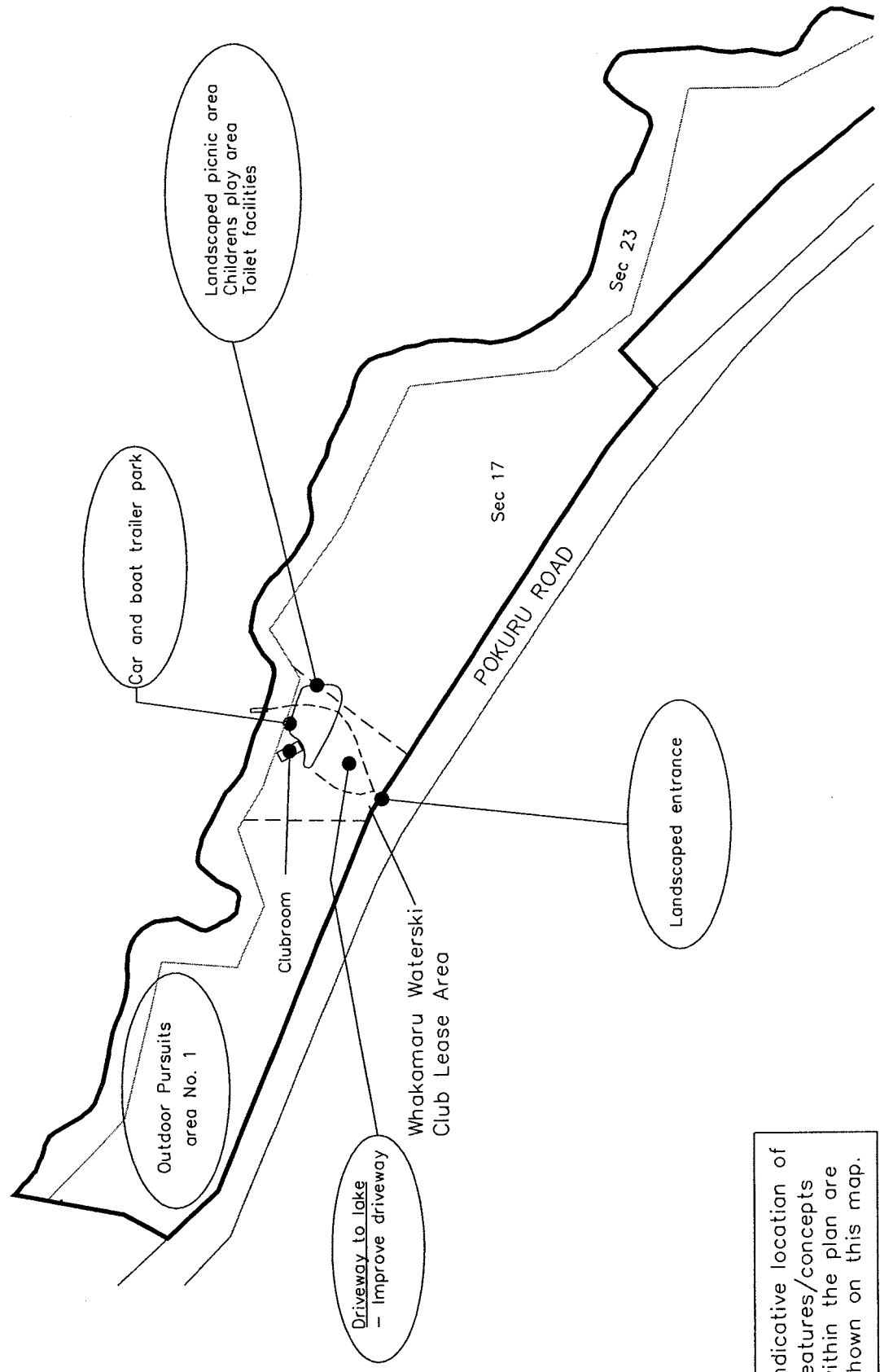
- ✍ To upgrade the maintenance of the reserve.
- ✍ To rename the reserve. Eg: Kaahu Recreation Reserve or Pokuru Recreation Reserve.
- ✍ To construct public toilets in partnership with the Whakamaru Waterski Club
- ✍ To prepare a Planting Plan
- ✍ To upgrade and landscape the driveway to the lake's edge
- ✍ To develop a car and boat-trailer park with (access to the lake) adjacent to the Ski Club.
- ✍ To upgrade the entrance to the reserve
- ✍ To develop landscape plan for the reserve including a picnicking area with children's play equipment adjacent to the Ski Club.
- ✍ Short –term overnight stays/camping may be permitted at the Whakamaru Recreation Reserve in association with events/activities held at the Whakamaru Water Ski Club.
- ✍ To undertake an erosion control study of the foreshore and reserve areas of the Whakamaru Recreation Reserve to determine ways of mitigating, remedying and avoiding the effects of erosion.
- ✍ To action the most appropriate outcome of the erosion control study at the Whakamaru Recreation Reserve as and when finance is available.
- ✍ To continue grazing part of Section 17 of the Whakamaru Recreation Reserve with a maximum tenure of three (3) years at the discretion of Council.

Development Opportunity

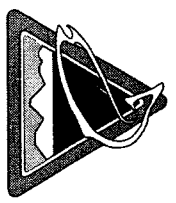
The Council may consider the following opportunity for development:

To investigate and when or if appropriate the development of the Whakamaru Recreation Reserve for purposes of outdoor recreational pursuits. It is envisaged that reserve land for such activities may be leased and the activities administered by another organisation. A study of this option may be required to address the best method to address this option.

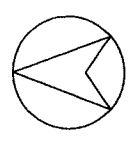
Concept Plan D: Whakamaru Recreation Reserve



Indicative location of features/concepts within the plan are shown on this map.



LOCATION: Pokuru Road
 LEGAL DESCRIPTION: Sec 17 SO 44296
 9.5075ha Recreation Reserve
 Pt Sec 23 SO 44791 4.3604ha Recreation Reserve



Concept Plan E: Whakamaru Domain

Plan objectives

- ✦ To landscape the entrance to the reserve
- ✦ To upgrade the water supply to the reserve
- ✦ To upgrade the toilet on the reserve and provide a cold water shower
- ✦ To upgrade a walking track to the lake
- ✦ To construct a fence to the lake edge where necessary
- ✦ To rename the reserve
- ✦ To continue grazing on designated areas at the discretion of Council. Grazing licences to have a maximum tenure of three- (3) years.
- ✦ To allow continued use of Section 21 for a pony club

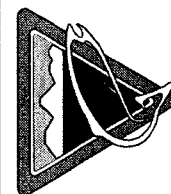
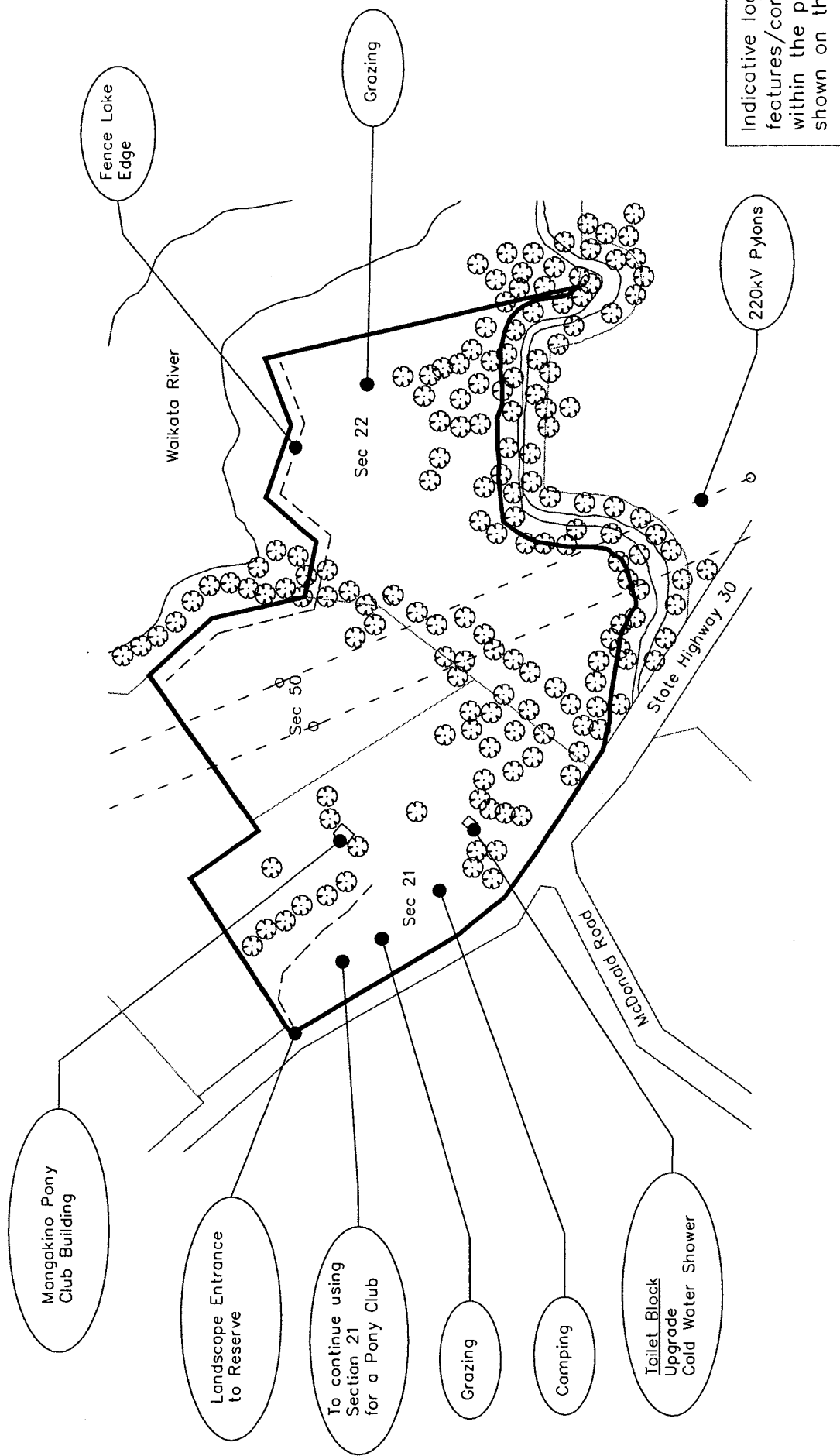
Development Opportunity

There is an opportunity to develop a portion of the Whakamaru Domain for future camping opportunities.

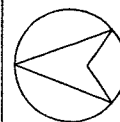
Any development proposals will necessitate consultation with Transpower NZ in consideration of the power lines and towers that cross the reserve.

Management Plan 2000

Concept Plan E: Whakamaru Domain



LOCATION: 502 State Highway 30
 LEGAL DESCRIPTION: Secs 21, 22 SO 39968
 Sec 50 SO 47960 Blk VI Whakamaru S.D.
 Recreation Reserve



Action Programme

The following action programme outlines a series of tasks, identified within the concept plans for the reserves, to be undertaken during the next five years as finances permit. It is intended that such tasks are incorporated into the Annual Plans, Strategic Plan and the Long Term Financial Strategy.

The listed tasks are in no particular order.

General Tasks to be actioned when and where necessary.

- ✍ To rename the reserves more appropriately and invite suggestions.
- ✍ To develop planting and landscape plans for the reserves where required ensuring the protection of the visual environment of the lakes and identifying trees of significant value
- ✍ To work with users of the Waikato River, Mighty River Power Ltd. and Environment Waikato in mitigating the effects of soil erosion
- ✍ To upgrade/develop vehicular access to the reserves
- ✍ To develop and maintain walking tracks
- ✍ To relocate/upgrade or construct toilets in accordance with the concept plans as and when finances permit.
- ✍ To assess the need for boat ramps

Mangakino Recreation Reserve

- ✍ That in consultation with the Mangakino Township Incorporation, the Council may action the exchange of Lot 72 DPS 8594 with part of Lot 58 DPS 12600 whilst ensuring the provisions of the Reserves Act 1977
- ✍ To obtain easements over Lot 72 DPS 8594 for the sewerage on the Mangakino Recreation Reserve.
- ✍ To accommodate the provision of an easement for a sewerage system over the Mangakino Recreation Reserve following consultation with the community.

Mangakino Rugby Ground

- ✍ To improve the driveway and define a car parking area for the Mangakino Rugby Ground



Whakamaru Lakeside Reserve.

- ✍ To upgrade/restore the boat ramp
- ✍ To develop "Sandy Bay" as a lakeside picnicking area with appropriate picnic tables, car park, children's play equipment, litter bins, and BBQ facilities etc.
- ✍ To construct a boundary fence between the Whakamaru Lakeside Reserve and land held by Department of Conservation
- ✍ To develop a scenic lookout at the southern end of the reserve taking advantage of the panoramic views with appropriate access, driveway, car park and picnic tables

Whakamaru Recreation Reserve.

- ✍ To develop a landscaped picnicking area with children's play equipment adjacent to the Ski Club at the Whakamaru Recreation Reserve.
- ✍ To undertake an erosion control study of the foreshore and reserve areas of the Whakamaru Recreation Reserve to determine ways of mitigating, remedying and avoiding the effects of erosion.
- ✍ To action the most appropriate outcome of the erosion control study at the Whakamaru Recreation Reserve as and when finance is available.
- ✍ To develop a car and boat-trailer park with (access to the lake) adjacent to the Ski Club.

Whakamaru Domain

- ✍ To upgrade the water supply to the Whakamaru Domain
- ✍ To upgrade the toilet on the Whakamaru Domain and provide a cold water shower
- ✍ To construct a fence to the lake edge on Whakamaru Domain

Capital Projects

The following is an indicative list of capital projects proposed for the Mangakino and Whakamaru Reserves subject to Council approval and financial resources.

Annual Plan Year	Task identified	Est. project cost
2000/2001	To relocate and/or upgrade the toilet block at the Mangakino Recreation Reserve.	\$35,000
	Erosion control Study Retaining wall at the Whakamaru Recreation Reserve	\$15,000
	Picnic tables at the Mangakino Recreation Reserve.	\$5,000
	Footbridge on the Mangakino Recreation Reserve foreshore	\$8,000
2001/2002	To action the most appropriate outcome of the erosion control study.	\$30,000??
	To develop a car and boat- trailer park adjacent to the Whakamaru Water Ski Club.	\$10,000??
	To construct a fence to the lake edge on Whakamaru Domain	\$20,000??
2002/2003	To construct a boundary fence between the Whakamaru Lakeside Reserve and the land held by the Department of Conservation. (possibly cost sharing with DOC)	\$5,000??
	To upgrade the toilet on Whakamaru Domain and provide a cold water shower.	\$25,000??
	To develop "Sandy Bay" as a lakeside picnicking area.	\$50,000??
2003/2004	To upgrade/restore the boat ramp at the Whakamaru Lakeside Reserve.	\$10,000
	To develop a scenic lookout at the southern end of the Whakamaru Lakeside Reserve.	\$25,000



Plan Review

This Management Plan will be kept under continuous review as circumstances affecting the management of the reserve change. This is necessary to ensure its continued relevance to the management of the reserves. Minor adjustments can be made by publicly advertising changes during its currency, but major changes in policies and objectives would require a complex review. A complete plan review will generally be undertaken at five yearly intervals to ensure its continued relevance to management and public requirements.

References

1996 Sport and Physical Activity Survey	Hillary Commission, Wellington 1996
A Field Guide to New Zealand Geology Thornton J	Reed Methven, Auckland 1985
Mangakino 25 th Anniversary 1948-1973	Printed by Garden Graphics Printed Ltd. Tokoroa
Mangakino/ Pouakani Community Profile 1999	Mangakino/Pouakani Safer Community Committee. 1999.
Mangakino Recreation Reserve Development Plan: Northern Bush Area.	Community Services Division, Taupo District Council March 1996
Mangakino Recreation Reserve Management Plan 1990	Community Services Division, Taupo District Council 1990
NZ Landuse Inventory Datasheets	Prepared by Ministry of Works and Development for the National Water and Soil Conservation Organisation 1977
The Future of Mangakino and North Taupo District. La Varis C.	The Mangakino Community Council and Taupo County Council 1986

Appendices

Appendix One: Aerials

Aerial Photographs of the Mangakino Whakamaru Reserves



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Mangakino Recreation Reserve and Rugby Ground

Ortho - Photography flown October 1999

0 100 200 Meters

Original Scale: 1:10,000



Map created by GIS - Training Map
Map graphic location:
Management plan: Mangakino & Rugby AP

Cadastral Information From Land Information New Zealand's Cadastral Digital Database (CDB) CROWN COPYRIGHT RESERVED Digital Licence Number: NW33521



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Whakamaru Lakeside Reserve and Whakamaru Recreation Reserve

Ortho-Photography flown October 1999

0 500 1200 Meters

Original Scale 1:12000



Map created by: GIS - Tracey May
Map graphic location:
v:\management plans\whakamaru lakeside res AP



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 completeness is not guaranteed.

Whakamaru Domain

Ortho-Photography flown October 1999

0 300 600 Meters

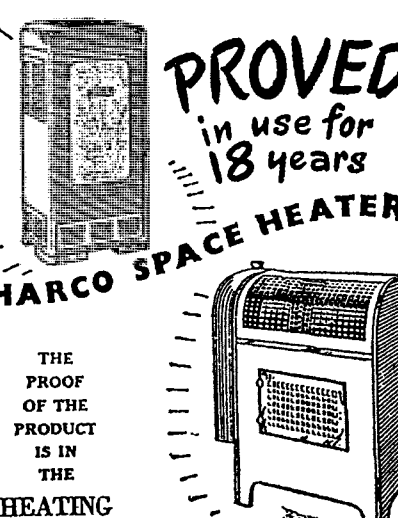
Original Scale 1:8000



Map created by: GIS - Tracey May
 Map graphic location:
 v:\management plans\Whakamaru Domain AP

Appendix Two: Extract from "The Mangakino Chronicle" Golden Anniversary Edition

As things once were

Situations Vacant	Public Notices	Public Notices	Public Notices	Wanted to Buy
POST OFFICE STAFF VACANCIES The Post Office has vacancies at Wellington for male and female staff for employment on duties according to experience and qualifications. Good salary and excellent working conditions. Hostel accommodation available for unmarried applicants. Apply - STAFF SUPERVISOR CHIEF POST OFFICE HAMILTON	TO OWNERS AND INTENDING PURCHASERS OF:- Bernina Sewing Machines Tricofix Knitting Machines Orion Knitting Machines Demonstrator will be at ERIC'S Variety Stores on TUESDAY, April 2nd. Time is not known yet but if you ring 123 and ask for Miss Hart she will advise you. Grasp this opportunity. You are welcome whether or not you purchased your machine from us. ERIC'S VARIETY STORES	MANGAKINO CHRONICLE NEW RATES OF TARIFF Following are the new rates that will come into effect as from today. Classified Advertisement: 7s per inch (public notices, etc.) Casual: 12 words 2s 6d, thereafter 2d per word.	GRAND DANCE GRAND DANCE SATURDAY, JULY 18th 8PM-GYMNASIUM-8PM Sponsored by - HUIMAI BASKETBALL CLUB All Sports Clubs Cordially Invited Good Music by - TEDDY WALTERS' QUARTET NOVELTY DANCES PRIZES Home Made Supper Roll Up and Support Your Popular Team	TRUCK and Licence working on hydro scheme. Please address replies: "Truck," c/o Welfare Office, Mangakino. For Sale DR. MCINTYRE'S PILLS AVAILABLE These famous "Extra Strong" pills are in plentiful supply - for women concerned with difficult lays. From chemists: or 8/6 (post free) from George Beattie Chemist, 769 Colombo Street, Christchurch. NEW SEASON Super seeds are in at Erics. Sow broad beans this weekend - this is urgent.
POST OFFICE VACANCY A VACANCY in the Post Office, Atiamuri, for a Telegraph Assistant. Commencing salary at 15 years age 10 pounds. Excellent staff conditions and prospects. For further information apply Postmaster.	SPEECH Training and Drama. Voice Production Specialist in backward reading. Faulty speech rectified; stammering and nervousness overcome. Joan Taylor (Gold Medallist) I.G.S.M. Guildhall, London. - Apply Huamai Street, Ph. 355-D.	BOTTLE DRIVE SATURDAY, JULY 23rd To raise finance for the Primary Schools Rugby Union. The boys need new jerseys. We need your bottles. R.H. Gredig, Hon. Sec.	LEARN - THE QUEEN ELIZABETH WALTZ EVERY MONDAY EVENING ON STAGE OF GYM 7.30 TO 9.30 PM 5/- per head per evening	WANTED WANTED Girls 15 years and over to fill vacancies in Hydrolight Senior Marching team. Must be keen. Contact Mr R Newman, 101 Rangitira Drive or any team member urgently.
INTELLIGENT GIRL: Good educational standard, School Certificate preferred, required as Junior Dental Assistant. Phone 174 between 9am and 5.30pm, or call 28 Korari Crescent after 7pm for details.	PARCEL DELIVERY SERVICE PARCELS 1 to 200 lbs delivered to your door at reasonable rates. Let me share your burdens G. JONES - Ph. 142M	REMINDER INCOME TAX The New Zealand Social Credit Political League (Inc.) respectfully reminds you that income tax must be paid by the 5th March, 1957. The Government needs part of this money (30 million pounds) to pay debt charges on money created by the Banking Monopoly at very little cost to itself, and lent, directly or indirectly to the Government at interest. You may or may not have a taxable income, but every article you buy has taxes loaded into the price. So if you don't pay direct to the Inland Revenue Department you pay indirectly in inflated prices. Taxation whatever its form, is confiscatory and inflationary. Social Credit will finance New Zealand without debt and without taxation.	TEA TREE CUTTING Order at Pat Barrett's or Phone 197 J. P. STEINER WOOD MERCHANT NATIVE FIREWOOD IS THE CHEAPEST FUEL	FALSE TEETH, four on plate, Saturday night, between Civic Centre and Ngalo Crescent. Finder please ring 112K, or 9 Ngalo Crescent. WOULD the person who took the Man's Gaberdine Raincoat by mistake, containing correspondence and private papers, from foyer of Gymnasium, return to Union Office or 33 Hinau Street. WOULD the person who was seen taking my son's Grey and Blue Zip-through Cardigan off the fence in the alley between the old and new school, please return to 10 Rata St. Reward.
 In a glass by itself Paeroa MALTED MILK STOUT				
 PROVED in use for 18 years HARCO SPACE HEATER THE PROOF OF THE PRODUCT IS IN THE HEATING Have HARCO Heating now from - Taylor Refrigeration Ltd. Phone 4149. Collingwood Street P.O. BOX 645. Hamilton				
THIS WEEK-END Cheapest Now - RANGI POTATOES 6d.1b 28 lbs 12/6 WATER MELONS 6d.1b GOLDEN QUEEN 16/6 Case OUTDOOR GRAPES 1/6 lb SHOP AT AH CHIEE'S				
All deerstalkers, pighunters and trespassers on Crown property, known as the Marnetui block, East of Maeremamuku Stream and South of Kiritutunga will be prosecuted, irrespective of persons, by order Supt. LAND & SURVEY DEPT., Rotorua.				
PHYSICAL CULTURE CLUB As we will be without a piano for the next few weeks there will be a change in the normal class routine. In place of the usual exercises, ball games, quoits and skipping rope exercises will be introduced. Members are requested to supply their own skipping ropes.				
PERSONAL P O BOX 1, MANGAKINO If you want to drink it is your business. If you want to stop drinking it is our business. ALCOHOLICS ANONYMOUS				
EASTER BREAD DELIVERY Bread will be delivered to the entire village on Thursday, April 2, and Tuesday, April 4. Would all persons staying in Camp please give written orders on paper with name and address to respective van, on Wednesday 25th and Thursday 26th March. MUSTCHISON & WEST				
AN APOLOGY to Atiamuri Cinema Patrons LAST Saturday, 26th March, our transport arrangement for films apparently broke down. The office at Mangakino was not notified, and as a consequence, no emergency arrangements were made. This matter has been taken in hand, and is not likely to occur again. (Signed) D. RICHARDSON				
PROPERTY FOR SALE BEACH SECTIONS PAPAMOA between Mount Maunganui and Te Puke Easy terms - Low deposits Priced from 150 pound to 260 pound Deposit 25 pound For plans and information RAND & JOHNSON Land & Estate Agents P O Box 60 - Tauranga Phone 980 - 982				



Appendix Three: Gazette Notices

Reservation of Land and Vesting in County of Taupo

PURSUANT to the Land Act 1948, the Minister of Lands hereby sets apart the land described in the Schedule hereto as a reserve for recreation purposes, and further, pursuant to the Reserves and Domains Act 1953, vests the said reserve in the Chairman, Councillors, and Inhabitants of the County of Taupo, in trust, for that purpose.

SCHEDULE

SOUTH AUCKLAND LAND DISTRICT—TAUPO COUNTY

SECTION 22, Block VI, Whakamaru Survey District: area, 8.1442 hectares, more or less (S.O. Plan 39968).

Section 50, Block VI, Whakamaru Survey District: area, 3.9962 hectares, more or less (S.O. Plan 47960).

Dated at Wellington this 24th day of September 1975

MATIURATA, Minister of Lands.

(L. and S. H.O. 1/1789; D.O. 8/3/2)

Gaz. 1975 p. 2188

Gaz. 1969 p. 1169

Reservation of Land and Vesting in the Taupo County Council

PURSUANT to the Land Act 1948, the Minister of Lands hereby sets apart the land described in the Schedule hereto as a reserve for recreation purposes; and, further, pursuant to the Reserves and Domains Act 1953, vests the said reserve in the Chairman, Councillors, and Inhabitants of the County of Taupo, in trust, for that purpose.

SCHEDULE

SOUTH AUCKLAND LAND DISTRICT—TAUPO COUNTY

SECTION 23, Block XI, Whakamaru Survey District: area, 11 acres 2 roods 32 perches, more or less. Part certificate of title, Volume 67, folio 276. (S.O. Plan 44791.)

Dated at Wellington this 24th day of June 1969.

DUNCAN MACINTYRE, Minister of Lands.

(L. and S. H.O. 1/1480; D.O. 8/3/249)

Reservation of Land and Vesting in the Taupo County Council

PURSUANT to the Land Act 1948, the Minister of Lands hereby sets apart the land described in the Schedule hereto as a reserve for recreation purposes and, further, pursuant to the Reserves and Domains Act 1953, vests the said reserve in the Chairman, Councillors, and Inhabitants of the County of Taupo, in trust, for that purpose.

SCHEDULE

SOUTH AUCKLAND LAND DISTRICT—TAUPO COUNTY

SECTION 17, Block XI, Whakamaru Survey District: Area, 23 acres 1 rood 39 perches, more or less. Part certificate of title, Volume 67, folio 276 (S.O. 44296).

Dated at Wellington this 21st day of May 1968.

DUNCAN MACINTYRE, Minister of Lands.

(L. and S. H.O. 1/1480; D.O. 8/3/249)

Gaz. 1968 p. 881

Gaz. 1959 p.1478

*Reservation of Land and Vesting in the Taupo County
Commissioner*

PURSUANT to the Land Act 1948, the Minister of Lands hereby sets apart the land described in the Schedule hereto as a reserve for recreation purposes, and further, pursuant to the Reserves and Domains Act 1953, vests the said reserve in the Taupo County Commissioner, in trust, for that purpose.

SCHEDULE

SOUTH AUCKLAND LAND DISTRICT

SECTIONS 19 and 21, Block VI, Whakamaru Survey District:
Area, 45 acres 3 roods 22 perches, more or less. (S.O. Plan 39968.)

Dated at Wellington this 9th day of October 1959.

C. F. SKINNER, Minister of Lands.

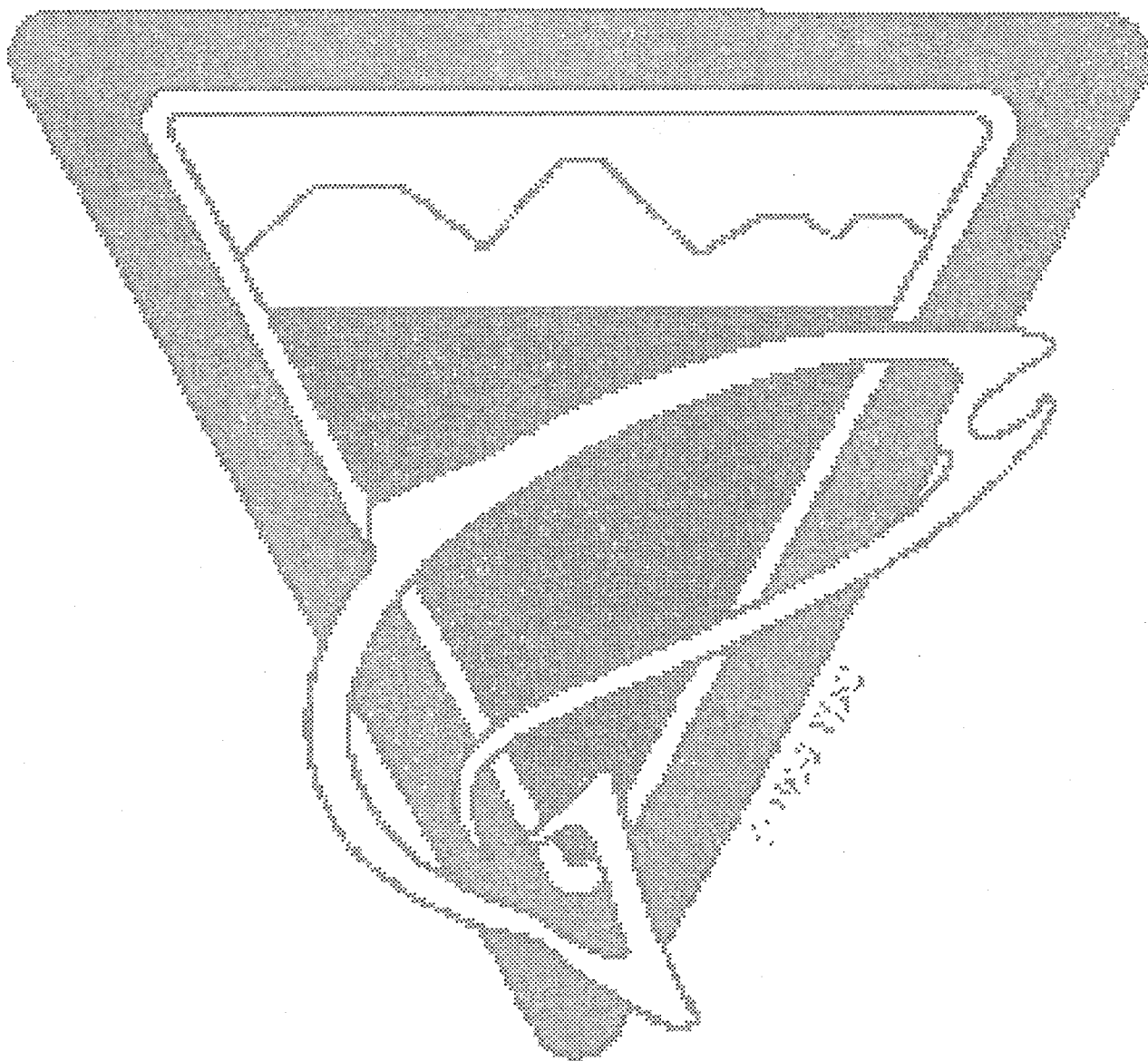
(L. and S. H.O. 1/1480; D.O. 8/3/2)

Notes



Mangakino

LAKE SIDE VILLAGE



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