

An aerial photograph of a rowing club's base. The foreground shows a river with several rowing teams in their shells. The middle ground is a large grassy area filled with hundreds of rowing shells, mostly white and silver, arranged in neat rows. There are scattered trees and a few buildings, including a prominent blue-roofed structure. The background shows a parking lot with many cars and more buildings. The overall scene is a busy, organized rowing hub.

SOUTH ISLAND ROWING

MASTERPLAN STRATEGY, 2022

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SUMMARY

1.1 PURPOSE OF THE STRATEGY

South Island Rowing Inc. (“SIR”) own and manage a 26.1ha parcel of land on the northern edge of Lake Ruataniwha, also known as the Meridian Rowing Centre (“the site”). This parcel of land accompanies water space designated for rowing, with a purpose-built 10 lane buoyed course. The history of the site is embedded within the story of the construction of Lake Ruataniwha and the Upper Waitaki Hydroelectric Scheme. Max Smith, Ministry of Works Project Manager for the hydroelectric scheme, promoted the idea of a rowing course on a new lake, to be created as part of the overall scheme. *South Island Rowing are now custodians of this legacy.*

Continual development and maintenance of the facilities has lead to the site being one of the most highly regarded venues for rowing in New Zealand. Stakeholders of SIR have indicated the desire to have a clearer direction for future changes around the site and a document with a long term focus which guides future board members as well as current ones. The purpose of this Masterplan Strategy is to set out ‘the big picture’ vision for how the site may grow or change to meet future needs in order to continue to foster and promote the sport of rowing in New Zealand.

1.2 OVERVIEW OF THE STRATEGY

Values play a powerful role in shaping projects, especially when planning and designing a long term vision for a complex site. The highest value driving site planning and design should be the experience, the needs and the values of the end user.

During August 2021, SIR reached out to the rowing community and beyond with a questionnaire. The purpose was to gain a better understanding of what our community most values about the Meridian Rowing Centre at Lake Ruataniwha. The responses have informed this Masterplan strategy, allowing SIR to capture ideas and opinions which may direct aspirations for future development.

1.3 IMPLEMENTING THE STRATEGY

Implementation of this strategy will require ongoing assessment of project priorities, consideration for access to funding and acceptance that complex specialised facilities such as this are often never 'finished'. The highest priorities are generally the first five years of projects. These are often long-overdue interventions that address the most pressing needs.

OUTCOMES

Key indicators of successful implementation of the Strategy components include:

1. THE **VALUES OF OUR COMMUNITY** ARE PERIODICALLY SOUGHT AND CONSIDERED
2. THE FACILITY OFFERS **POSITIVE EXPERIENCES** FOR THOSE WHO USE IT
3. THE FACILITY IS **UNIQUE, ATTRACTIVE AND ACCESSIBLE** TO PEOPLE OF ALL AGES AND ABILITIES
4. **HERITAGE AND CULTURAL QUALITIES** ARE ENHANCED AND CELEBRATED
5. **ENVIRONMENTAL QUALITIES** ARE ENHANCED

THE MASTERPLAN STRATEGY IS BUILT UPON THREE KEY CONCEPT DRIVERS:

OUR PEOPLE

Those that use the site value the unique setting for rowing and great participation opportunities for anyone who wishes to be involved.

FUNCTION

For a purpose built facility such as this, it is essential to provide for activities involved with rowing. The ability for the site to cater for regatta events first and foremost dictates many outcomes for the physical attributes on site.

HISTORY

The site is part of a piece of land which once was adjacent to a braided river, the Ōhau. And now, progressive development of the site is entrenched with layers of cultural history, as well as inherent environmental ones.



1.4 RECOMMENDATIONS

- Adopt the Masterplan Strategy and commit to its direction. Any future project (whether identified within or not) should be considered in the context of the overall scheme and guided by the aspirations of the Strategy, which has been informed by the voices of the rowing community.
- Prepare project specific 'Action Plans' for any projects. An 'Action Plan' should briefly outline a scope of work, steps towards implementation and cost considerations for Board Members of SIR to consider, have input into and approve.
- Accept that as specific projects progress and may be implemented, their actual form on the ground is likely to differ from the concept plan. The concept plan should be considered as a high-level guide.
- Prioritise overall infrastructure upgrades which are broad-scale project enablers, with particular regard for access to funding.
- Review this document in no more than 5 (five) years' time (2027), reassessing the needs of the community and reflecting on changes or projects which may have been implemented in order to re-confirm or alter the ongoing direction.

INTRODUCTION

IN 2020, A SPOTLIGHT WAS SHONE ON THE MACKENZIE COUNTRY WHEN WILDING PINES BECAME THE FUEL FOR TWO SIGNIFICANT FIRES - AT LAKE PUKAKI AND LAKE OHAU VILLAGE - DESTROYING THE LANDSCAPE.

Over the subsequent months, Environment Canterbury progressed urgently with Wilding Pine eradication works, supported by a boost in Government funding. The Meridian Rowing Centre saw some of the efforts of this work, with the selected clearance of trees. The SIR Board were left with a bare, stony, dusty piece of ground, an ongoing fire hazard and a lack of water. This site requires both short and long term solutions to resolve the dynamic between the environmental pressures and functional desires.

2.1 WHAT IS A MASTERPLAN STRATEGY?

A Masterplan Strategy sets out 'the big picture' vision for how a given place may grow or change to meet future needs. It should provide clear direction for decision makers in regard to future management, design and development, while understanding the need to engage with stakeholders and the community. It can be used as a tool to address challenges or opportunities related to function of the place, the built components, movement, the natural environment, business and economy, culture or heritage.

2.2 WHY/WHO HAVE WE PREPARED IT FOR?

The key stakeholders for SIR are the four rowing Associations in the South Island - Marlborough, Canterbury, Otago, and Southland. These Associations represent the membership of SIR and are the link between SIR and regional rowing communities. Two people are appointed as a SIR Board Member from each region in order to represent their local communities' interests.

Having Association representatives involved in the decision-making process ensures that more meaningful outcomes are sought and reached through seeking a broad range of perspectives.

2.3 STATUTORY CONTEXT - WHAT GUIDES THIS STRATEGY?

Two key statutory documents have been taken into consideration throughout this masterplanning process:

- Canterbury Land and Water Regional Plan (Operative 2019)
- Mackenzie District Plan (MDP)

These plans align with the broader statutory context set

out by the Resource Management Act 1991. The plans acknowledge the rights and responsibilities for land owners and water users, of which SIR is uniquely both. The site is zoned 'Ruatanuiwha Rowing Zone' in the MDP. The Objectives and Policies (section 9.2) for this zone are as follows:

Objective 1

To recognize and provide for the importance of the Ruatanuiwha rowing course and associated facilities, by enabling ongoing use and development at the site while ensuring that adverse effects including those on the Lake and its margins, and on public access, are avoided, remedied or mitigated.

Policies

1. *To provide for appropriate development and maintenance of the Ruatanuiwha Rowing Zone, in accordance with the site plan at Appendix B.*
2. *To ensure that public access to the site and the margins of Lake Ruatanuiwha is safeguarded.*
3. *To ensure that new and existing buildings and facilities are visually recessive, and do not impinge on the open*

space or visual amenity of the site and the adjacent Rec P area and lakeside.

4. To ensure that any development in the Ruataniwha Rowing Zone is adequately serviced.

The Site Plan included in MDP Appendix B – Lake Ruataniwha Rowing Area is dated October 2011. While this plan caters adequately for the types of land uses indicated in the Masterplan Concept, the spatial layout of facilities differs in some areas. This has resulted from resolution of the spatial layout through the Masterplanning process and should be indicated to the MDC for inclusion into the next District Plan update.

Additional consideration should also be given to the integration of Māori cultural values and concepts. A holistic approach will create further depth of identity, reveal histories, and guide the way that the natural environment is treated.

2.4 VALUES AND VISION

The SIR Board members are representatives of the four South Island Rowing Associations and each individual board member brings their own unique experiences and areas of expertise to the Board. However, holistically representing the values and views of ones' rowing community is a challenging task. So, we directly asked the rowing community and local community*: *What are your favourite things about the Meridian Rowing Centre or the experiences you have there?*

The majority of responses are summarised in the following list of values:

VALUES:

- Scenery, unique location/setting, beauty of the water/lake, peacefulness
- Friendly and relaxed atmosphere
- The people
- Great race viewing, spectator embankments and podium lawn
- Freedom of access, space for everyone
- Being able to follow racing from the 1000m to the finish
- Friendly volunteers
- A straight, well set up, 2000m course
- Being part of the sport and seeing people enjoying themselves
- Variety of facilities

VISION:

SIR commits to continue **building the legacy** of the Meridian Rowing Centre, **celebrating our environment and water**, **sharing our history**, **upholding Manaakitanga** and **planning for the future.**

*Community Questionnaire, August 2021, prepared and administered by Inspiress on behalf of SIR



3 FUNCTIONS OF THE MASTERPLAN STRATEGY

3.1

PROVIDING FOR THE SPORT OF ROWING

The statutory framework sets out the types of activities which are expected and allowed for on site at the Meridian Rowing Centre. The following are permitted activities outlined in MDP Section 9.4:

9.4.1 Buildings for rowing support facilities; being storage,

administration, ablution, launching, adjudication, and ceremonial purposes; and a kitchen and lounge.

9.4.2 Caretaker's accommodation of up to one dwellinghouse.

9.4.3 Temporary accommodation and temporary buildings such as marquees in accordance with Section 14 Rule 1.1.2 of this Plan.

9.4.4 Retail sales directly associated with and integral to rowing events or activities, including food, beverage, clothing and souvenir sales.

9.4.5 Vehicular access and parking areas, and paths and routes for pedestrians and cyclists.

9.4.6 Earthworks and/or the felling or removal of trees for the purpose of clearing a building platform, tent sites, or the provision of picnic areas, and vehicle and pedestrian access routes.

9.4.7 Camping activities directly associated with rowing events or training (including caravans and campervans).

9.4.8 Landscaping and picnic areas in respect of the provision of seating, tables, permanent barbecues and rubbish facilities.

These permitted activities must comply with the conditions outlined in section 9.4.9.

There is also a desire within the rowing community to construct more permanent short-term accommodation for rowers attending camps and regattas. This will need to be considered against the above permitted activities and associated conditions as well as assessment matters for restricted discretionary activities.

3.2

ENHANCE THE ENVIRONMENT

While SIR has no official sustainability strategy, there are a number of initiatives and practices which are already undertaken on site which show there is a commitment to identifying potential for efficiency and protecting the environment. The Strategy encourages positive outcomes for the environment and allows for the following opportunities:

- **A 'Net-Energy-Positive' site:** Solar installation to utilise renewable energy
- **Restoring nature:** increasing biodiversity and managing seeding pine species
- **Promote good waste handling:** reuse and recycling
- **Smart, efficient use of water**
- Awareness and utilization of **smart/clean technology**

3.3

INVOLVE THE COMMUNITY



The Meridian Rowing Centre, Lake Ruataniwha and the Ruataniwha Reserve are very special places to a great number of people. For those in the rowing community it is where memories are made and for the local community it is a piece of their identity. This masterplan reflects the values of the community and takes into account many of the ideas, opinions and wishes which were voiced through the Community Questionnaire (2021). While this forms one piece of the puzzle, the end user is ultimately the customer that drives the success of the place. While practicalities are likely to balance out our highest aspirations, this strategy aims to work backwards from an ideal end state that prioritises the user experience and values, embracing and upholding Manaakitanga.

3.4

IMPROVE ACCESS TO WATER

There are several aspects to consider in relation to water:

- **Public Access to water**
The site has a direct interface with the shoreline of Lake Ruataniwha which is part of the Ruataniwha Reserve (land managed by the Mackenzie District Council). Public Access to the margins of Lake Ruataniwha must be safeguarded and the Masterplan layout provides for pedestrian access through the site in accordance with this.
- **Boat launching** for rowers, coaches, race officials, safety and maintenance barge.
- **Safe access** to the lake for rowers is an important consideration for SIR. Previously constructed structures should be maintained and enhanced

where possible to continue to provide safe access between on land facilities and the rowing course.

- **Access to drinking water, toilet facilities.**
MDC have confirmed that the proposed additional facilities would be catered for by the current reticulated mains supply to the site. A significant infrastructure upgrade and monetary commitment is required to see these projects through implementation.
- **Irrigation water**
Irrigation water is currently drawn via pump from Lake Ruataniwha. Increase to this water take would need to be carefully considered and could require a resource consent process to be undertaken. This would require consultation with Meridian Energy who has designation over the water for the generation of hydro-electricity.



CONCEPT

- ① **Boat Park**
 - New racks (total capacity approx 800)
 - Stage realignment/repair of existing
 - Tent sites (grassed)
- ② **Cycle Priority Path**
 - 3m wide sealed path through site
 - Stopping/viewing zone @ 100m to go
 - Connection with A20/Reserve land
- ③ **Retail +Commercial space**
 - Centralised space to provide for external retail providers
- ④ **Storage Sheds**
 - Space for 11+ new sheds @ 350m²
 - Lockable, weather tight boat racking and storage for associated equipment
- ⑤ **Events/Playing Field**
 - Multipurpose field (120m dia)
 - Provision for associated clubhouse
- ⑥ **Circulation**
 - Safer multi-modal access to boat park and across site (walk/cycle/drive)



The Masterplan Concept identifies a spatial layout which ties together the site's existing components and new features.

This is done in a way which responds to the constraints and opportunities of the site, while aiming to retain and enhance the special character of the place.

FUNCTIONS:

- PROVIDE FOR THE SPORT OF ROWING
- ENHANCE THE ENVIRONMENT
- INVOLVE THE COMMUNITY
- IMPROVE ACCESS TO WATER

7) Parking areas

- Extend competitor parking
- Provide trailer parking
- Extend spectator parking

8) Spectator Embankment

- Provision for access to drinking water
- Provision for retail sites
- Localised leveling as required

9) Walking/exercise tracks

- Perimeter loop track (unsealed)
- Through route with access to lake edge

10) Toilets

- New block in boat park
- Upgrade/expand existing
- New block near Eastern boundary

11) Solar

- Roof mounted solar grid to meet 'Net-Energy-Positive' site status
- Provision for future expansion

12) Structures

- Indicative locations for future additional buildings/facilities

13) Planting

- Visual amenity, screening, wind shelter
- Establishment of native biodiversity
- Gradual replacement of seeding pines

14) Accommodation

- Defined space dedicated to buildings and infrastructure which could provide for short term accommodation options
- Grass area in short term
- Establish circulation route (gravel)
- Structure area/layout with tree planting



DESIGN GUIDE

THE MACKENZIE BASIN IS A SCENIC ENVIRONMENT, SENSITIVE TO HUMAN INTERVENTION. THE SIR SITE IS IDENTIFIED AS THE RUATANIWHA ROWING ZONE (RRZ) IN THE MDP.

The MDP sets out some general rules and provisions for built form, signage, lighting, tracks and roads, utilities and planting as well as some specific rules for the RRZ. This Design Guide is a summary* which draws from the MDP and is intended to be an easy reference when addressing potential projects for the Site.

BUILDINGS AND STRUCTURES

General

- No building or structure shall exceed 5m in height, except for the Control Tower building, which shall not exceed 12m and the Communications Tower, which shall not exceed 18m.
- All buildings and structures shall be set back a minimum of 20m from any road boundary, and 10m from the boundary of the Recreation P Zone (Ruataniwha Recreation Reserve).
- No single building footprint shall exceed 600m² in total area. The combined total of all buildings within the zone shall not exceed 20% of the total area of the zone.
- All telephone, power and other facilities lines (excluding temporary facilities associated with rowing events) are to be reticulated underground.
- All effluent disposal shall be reticulated. There shall be no treatment and/or disposal of effluent on-site.

Design

- The scale and form of buildings and structures should be complimentary to the surrounding landscape including the backdrop of Ben Ōhau Range and semi-arid plains of the Basin floor
- Give a sense of unity and identity by keeping building proportions and roof type similar on all buildings across the site.

Materials and Colour

- Where possible, materials should complement the landscape or any traditional character of materials in the area e.g. corrugated iron, stone
- The maximum reflectivity index of the exterior of any buildings shall be 40%.

TRACKS AND ROADS

- Absorb into the landscape with careful siting to minimise visual impact.
- Follow natural contour lines to reduce the height of cuttings and fill slopes, maintain easier grades and reduce scouring and run-off problems.
- Locate adjacent to vegetation, slopes or edges of landforms.

SIGNS

- The guidelines for structures also apply to signs.
- Roadside signs should be placed where they do not obstruct sight distances around curves, over rises and at intersections.
- Signs should be located so they have a “backdrop” of either vegetation, landform, or a structure



*this list is not exhaustive, refer to MDP

PLANTING PALETTE

MUCH OF THE DIVERSE VEGETATION OCCURRING NATURALLY IN THE MACKENZIE BASIN IS NOT PRESENT ON SITE.

Developing a 'planting signature' adds to the identity of the place, enhances biodiversity and promotes greater integrity for the terrestrial ecology of the site. The following list* includes a selection of plants which should be considered in developing this signature.

EXISTING SPECIES TO RETAIN

Quercus spp.	OAK
Cupressus spp.	CYPRUS (non-seeding)
Betula spp.	SILVER BIRCH

NATIVE SPECIES

Trees

1. Podocarpus laetus	MOUNTAIN/HALLS TOTARA
2. Lophozonia menziesii	SILVER BEECH
3. Fuscospora cliffortioides	MOUNTAIN BEECH
4. Phyllocladus alpinus	MOUNTAIN CELERY PINE
5. Hoheria lyalli	MOUNTAIN RIBBONWOOD
6. Griselinia littoralis "Canterbury"	KAPUKA, BROADLEAF
7. Pseudopanax ferox	FIERCE LANCEWOOD
8. Olearia hectorii	HECTORS TREE DAISY

Shrubs

9. Acrothamnus colensoi	MOUNTAIN HEATH
Carmichaelia curta	WAITAKI BROOM
10. Halocarpus bidwillii	BOG PINE
11. Leonehebe cupressoides	WHIPCORD HEBE
12. Melicytus alpinus	PORCUPINE SHRUB
13. Muehlenbeckia complexa	SMALL LEAFED POHUEHUE
Olearia odorata	SHRUB DAISY
14. Veronica subalpina	HEBE

Other plants (Grasses, groundcovers, cushions and ferns)

15. Acaena spp.	20. Poa cita
16. Blechnum penna-marina	21. Poa colensoi
17. Chionochloa rigida	22. Pteridium esculenteum
18. Chionochloa rubra	23. Raoulia spp.
19. Festuca novae-zealandiae	

EXOTIC TREES

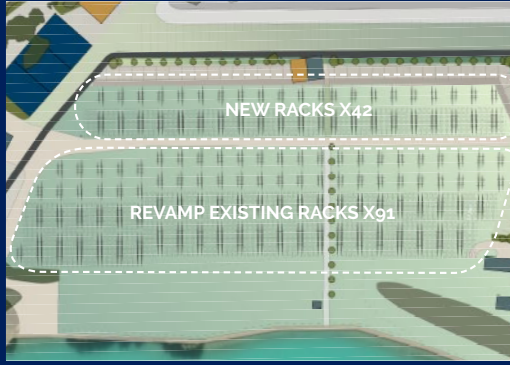
General

24. Acer platanoides	NORWAY MAPLE
25. Cupressus x leylandii (cv.)	LEYLAND CYPRESS
26. Fraxinus angustifolia Raywoodii	CLARET ASH
27. Sorbus area "Lutescens"	WHITEBEAM
28. Quercus coccinea	SCARLET OAK

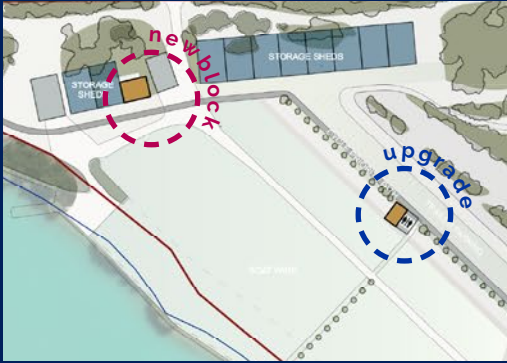


*not exhaustive

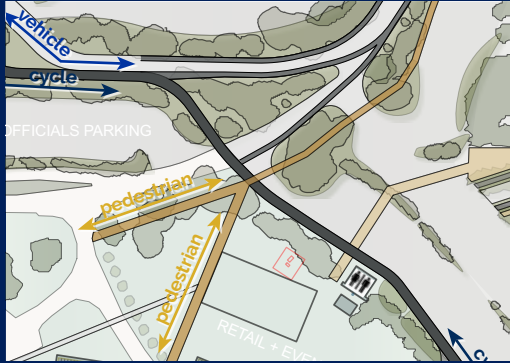
KEY PROJECTS



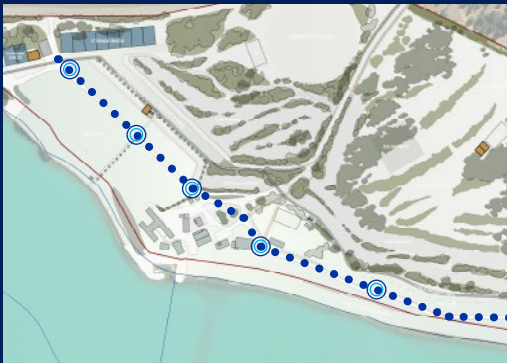
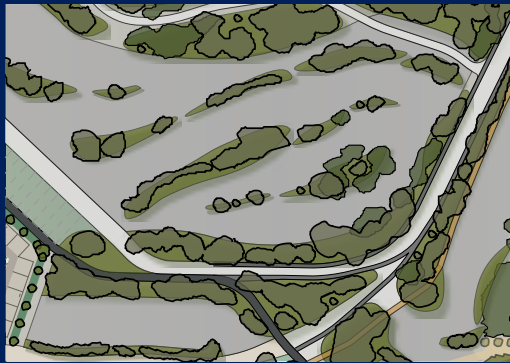
01



02



03



SOUTH ISLAND ROWING INC. BOARD MEMBERS TOOK PART IN IN A GOVERNANCE AND VISIONING WORKSHOP IN JUNE 2021.

This provided an opportunity to collectively identify the wants and needs of the organisation, with a view to informing a master planning process. This information, combined with the voices of those who completed the Community Questionnaire (August 2021), has been synthesised to establish the following projects as high priority.

The project scopes on the following pages provide a starting point for the Board as part of their overall decision-making process.

01 BOAT PARK

Opportunity to improve user experience across multiple areas of the boat park.

- Racking Revamp
- Boat Trailer parking
- Tent Sites
- Storage Sheds

02 TOILETS

High priority projects with ongoing demand. Could include upgrading two existing toilet blocks and building two new ones.

03 CYCLE PATH

One key change will reduce the conflict between pedestrians and cyclists: Installation of a cycle priority route from the boat park through the site, connection to the 1500m gate.

04 SOLAR

SIR has a unique opportunity to link with their major sponsor - Meridian - and work towards installation of a solar grid which will meet all of the power needs of the complex.

05 PLANTING

Removal of seeding pine species has left the site bare and dry. A long term planting strategy will provide the framework for improving the ecological functions of the site, improving amenity for users and providing shelter

06 DRINKING WATER

Provision for drinking water stations through the boat park and along the spectator embankment will require some upgrades to infrastructure and overall thinking about how potable water is used around the site.

BOAT PARK

RACKS:

PROJECT COMPONENTS

- 1A. Build new racks to better support events
- 1B. Immediately repair existing racks where unusable
- 1C. Systematic upgrade/replacement/realignment of existing racks

FUNDING

New racks will likely require funding for materials and construction. Depending on the design, there may be components which we can have donated. Possible sponsorship and advertising opportunity

SCOPE

Current boat park racking capacity
= 460 boats approx.
New racks in the area of the boat park to the north of the access road
= 244 spaces
A more efficient layout of the existing racks = 100 spaces

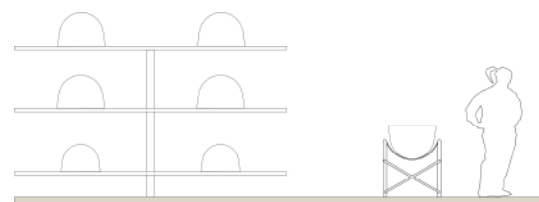
TOTAL POTENTIAL CAPACITY INCREASE TO: **804 BOATS**

DESIGN

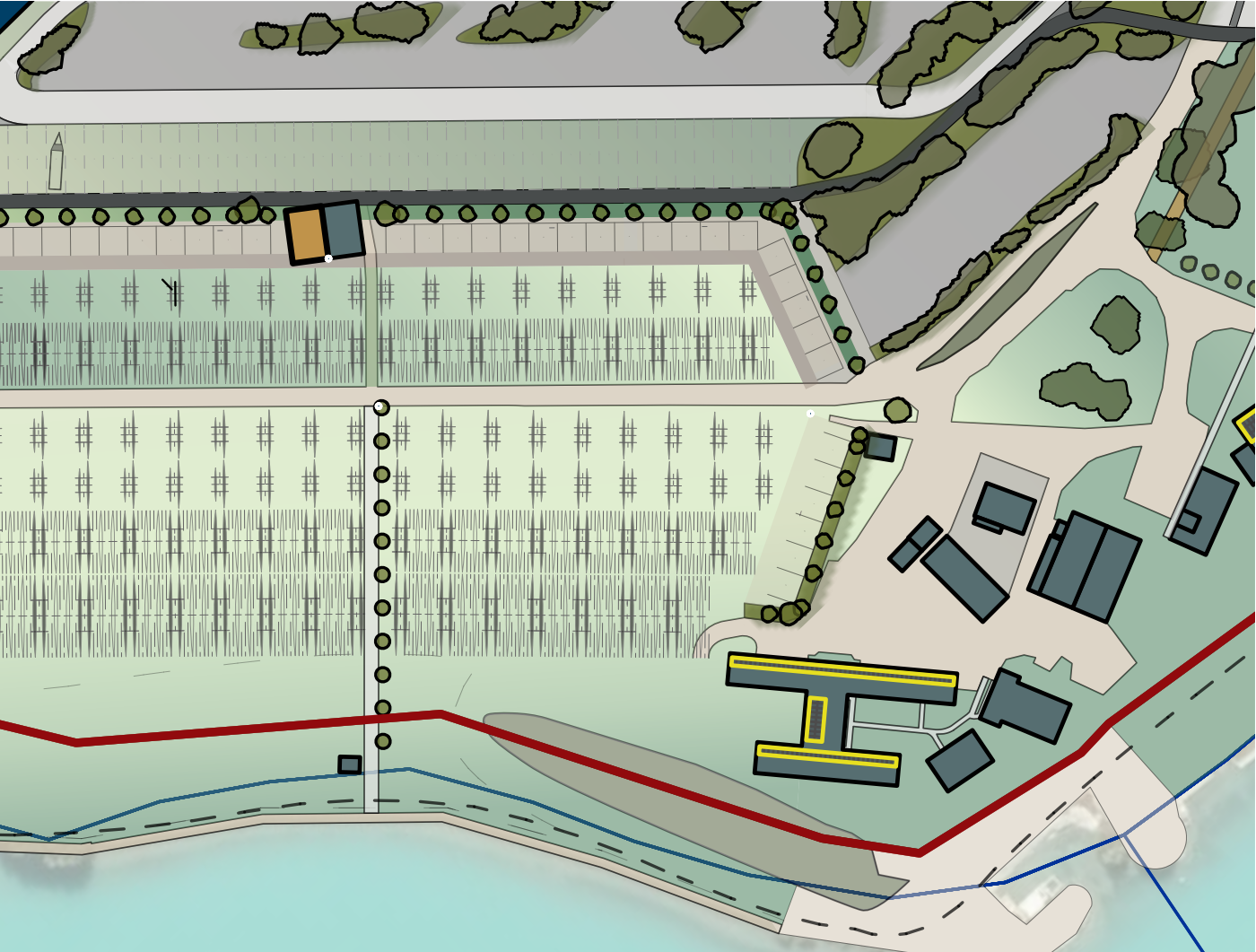
- Account for wind and sun protection
- Potential for 'temporary rack' design in short term for more flexibility with the layout and gradual replacement/repairs
- User experience and boat safety are key design considerations
- Layout to provide greater efficiency in circulation and ease of access to water

VOLUNTEER GROUP OPPORTUNITIES

- Engineering expertise for new racks
- Fixing up existing racks including replacing bolts and attaching new angle braces
- Installation of new racks



The Boat Park is a heavily used space with a number of opportunities for improvement. Further development in this area will directly address coaches and athletes needs.



1D. STORAGE SHEDS

SCOPE

- Clearing of trees
- Preparation of ground (extent to be determined by SIR).
- Installation of sheds will require Building Consent.
- Construction obligations/cost structure to be confirmed with individual entities or Clubs

1E. TENT SITES + PARKING

SCOPE

- Clearing of trees
- Preparation of ground may include ripping stumps, levelling, preparation of base course.
- Realigning and setting out of spaces (may be helped by spray marking)

TOILETS

PROJECT COMPONENTS

2A. Build two new toilet blocks

2B. Upgrade two existing toilet blocks

FUNDING

Will require funding for design, consents, construction

SCOPE

2A. New toilet blocks:

- One block in boat park which could include showers
- One block near eastern boundary to support spectator embankment

2B. Upgrades to existing toilets:

- New modern partitions and locking mechanisms
- Install mirrors
- Replace broken seats/buttons/pans/taps
- More soap/sanitiser dispensers
- Painting

VOLUNTEER GROUP OPPORTUNITIES

Many of the upgrade tasks to existing toilets are simple tasks which could be completed by volunteers.

2C. LOBBYING WITH MDC FOR TOILETS AT THE START ZONE AND IN 'THE LAGOON'

- As part of their Ruataniwha Reserve Management Plan, the Mackenzie District Council are assessing the provision of public toilet facilities throughout the Reserve.
- SIR has indicated the need for additional toilets, particularly to support regatta and event days at the lake



On regatta days the Meridian Rowing Centre plays host to thousands of people. Adequate **toilet facilities** are a necessity when providing events and the current facilities are under pressure.



CYCLE PATH

PROJECT COMPONENTS

3A. Construct cycle priority routes

3B. Construct separate pedestrian entrance path

FUNDING

Will require funding for construction and largely requires skilled workers and equipment. Sections of the path could be funded by businesses or clubs and spraymarked with advertising or club colours

SCOPE

Pedestrian movement is largely unrestricted through the site as this is the most common mode of transport. A cycle route will create further opportunities for people to experience the site/scenery

3A. Cycle priority route:

- 3m wide asphalt path connecting through site
- Construction may include setout, earthworks, base preparation, timber edging, laying asphalt

3B. Pedestrian entrance path:

- 2m wide compacted gravel path connecting main entry to spectator area

VOLUNTEER GROUP OPPORTUNITIES

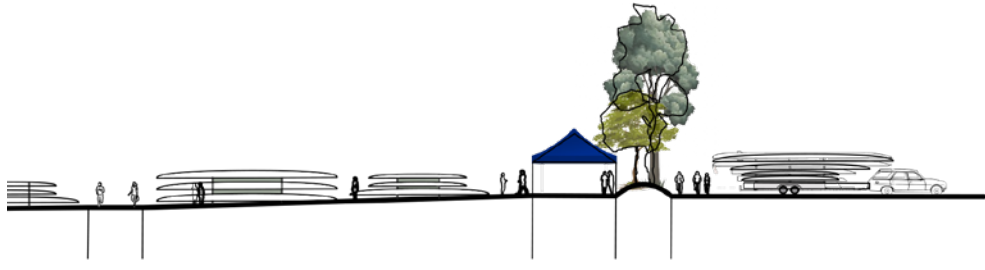
Areas will need to be cleared prior to setout and construction. Minimal other opportunities

2C. LOBBYING WITH MDC FOR CONNECTIONS TO A20 CYCLE TRAIL

- As part of their Ruataniwha Reserve Management Plan, the Mackenzie District Council are assessing the provision for cycle and pedestrian connections through the SIR site
- The cycle route presents an opportunity to achieve this connectivity



One of the challenges that SIR faces on regatta days is the conflict between cyclists and pedestrians. While users value the ability to follow racing (on bikes) from the 1000m right to the finish, and on into the boat park, the spectator embankment inherently provides for pedestrians. A **dedicated cycle route** will address this conflict.



Cross section - Boat Park

SOLAR

PROJECT COMPONENTS

4A. Install solar panels and associated componentry (e.g. inverters) and trenching.

4B. Establish whether any upgrades to other existing facilities or infrastructure are required (e.g. roofing iron)

FUNDING

Meridian Energy are launching a new community fund for renewable energy projects. SIR has the opportunity to be one of the launch projects and may be able to access around half of the required funds. Approx payback period 4-8yrs.

SCOPE

32kWp of panels (30yr lifespan) | Solis 30kW grid-tied inverter | Potential to upgrade/upscale, consider the inverter lifespan time frame (10yrs) for a review of needs | May require wifi network upgrades and roofing iron maintenance/replacement. Design to be confirmed with Meridian.

VOLUNTEER GROUP OPPORTUNITIES

- Trenching will be required from the main switchboard to the grid location/s.
- This is a great education opportunity and Meridian may supply some educational sign boards about how the system works



Artists impression of roof mounted solar panels

Introduction of **Solar** represents a significant step towards sustainability for SIR. Having the facility powered with renewable energy will effect a lighter touch on the environment as well as being more economically viable in the future.



DRINKING WATER

Freedom of access to water is a benefit which can be enjoyed by everyone who uses the Meridian Rowing Centre. The water resources should be managed and protected.

PROJECT COMPONENTS

Installation of drinking water fountains/ bottle fillers throughout the boat park and along the spectator embankment

FUNDING

Funding for materials and construction. Depending on the design, there may be components which we can have donated.

SCOPE

- Potable water mainline installation including: Excavation, trenching, bedding material and backfill. Install of pipe and related connections.
- Install fountains (each with bubbler, bottle fill and tap), incl 1m x 1m x 0.1m concrete footing and all fittings and connections.

VOLUNTEER GROUP OPPORTUNITIES

Assistance with labour for installation of mainline (excavation/trenching/backfilling) and installation of concrete footings for fountains.



PLANTING

Planting should be representative of the unique location and setting which is so highly valued by those who use the site. Design of planting should also consider mahinga kai and functional aspects such as wind shelter.

PROJECT COMPONENTS

- 6A. Ongoing removal and maintenance of seeding pine species
- 6B. Amenity planting including exotic shade trees, particularly to entrance and carpark areas.
- 6C. Shelter planting of fast growing exotics to nurse native revegetation
- 6D. Staged native revegetation to carpark areas, bunds, boundaries and other amenity planting areas

FUNDING

Planting design is currently being funded by Meridian Energy. Sourcing and purchase of plants to be resolved. Cost of irrigation to be considered.

SCOPE

- Design Drawings
- Ground preparation, backfill material, tree stakes, rabbit protection and fertiliser tabs.
- Planting
- Staged implementation to ensure planting is undertaken in appropriate conditions/seasons
- Maintenance/establishment period
- Irrigation to support establishment (refer pg 28)

VOLUNTEER GROUP OPPORTUNITIES

Planting Days are a great way to involve volunteers!
Ongoing removal/maintenance of wilding pines.



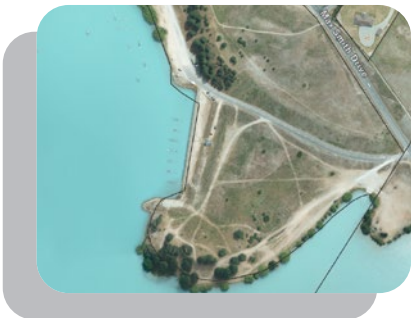
OTHER PROJECTS



SHELTER/WEATHER REFUGE

Protection from the elements

- Allocate space for tent sites in the boat park (refer project 1E)
- Investigate integrating shade/shelter within racking design (refer project 1A)
- Consider options and locations for weather refuge which provide protection from wind and rain as a priority, but also sun.



TOILETS AT THE START

Coordination with Mackenzie DC

MDC are undertaking a Reserve Management Plan and Development Plans for the Recreation Reserves around the region. SIR has been engaged with as a key stakeholder in these areas and expressed the need for toilet facilities at the start zone (refer project 2C).



BEYOND SIR LAND

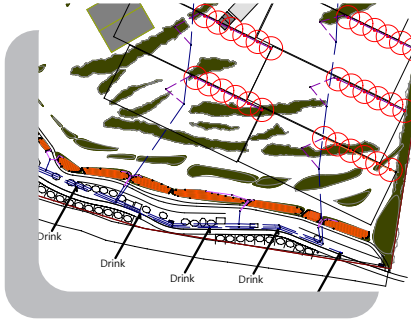
Interests which lie within Reserve Land

As part of the engagement with MDC regarding the Ruataniwha Reserve Management Plan (RRMP), SIR has expressed a need for the RRMP to provide a function to ensure that SIR is able to use, maintain and upgrade buildings related to the rowing facility. Ongoing coordination and cooperation with MDC is required to ensure the effectiveness of provisions in the RRMP.



NEW BUILDINGS

Consideration for Built Form Standards
 Any new buildings around the site should be fitting with or sensitive to the colours/materials of the environment. Buildings across the site should be designed and built in order to support rowing related activities at the site. Buildings should adhere to Mackenzie District Council Rules and Regulations (refer Design Guide, pg 14).



IRRIGATION

Non-potable water, drawn from lake

Currently, irrigation water for the site is drawn from Lake Ruataniwha via a pump. This is not a consented water take and was set up in an 'historical agreement' with Meridian who have legal rights over the use of the water for the generation of hydro-electricity.

In order to provide water to irrigate planting and grassed areas across the site an increase to the water take is likely to be required. A consent process may have to be undertaken in consultation with Environment Canterbury and Meridian Energy. Potable water for toilet and drinking water is able to be supplied by the MDC supply.

Potential Scope for this project:

- Kline Irrigation
- Irrigation Mainline Installation
- Pumping Upgrades

This project requires infrastructural upgrades to mainlines and pumping systems but will enable much greater utilisation of water across the site. The project may be broken up into stages, with the mainline and pumping installation being two necessary first components.

Funding will need to be sought for materials and construction costs. SIR has been kindly donated design hours by Waterforce Ltd.

IMPLEMENTATION

Sequencing, staging and timing

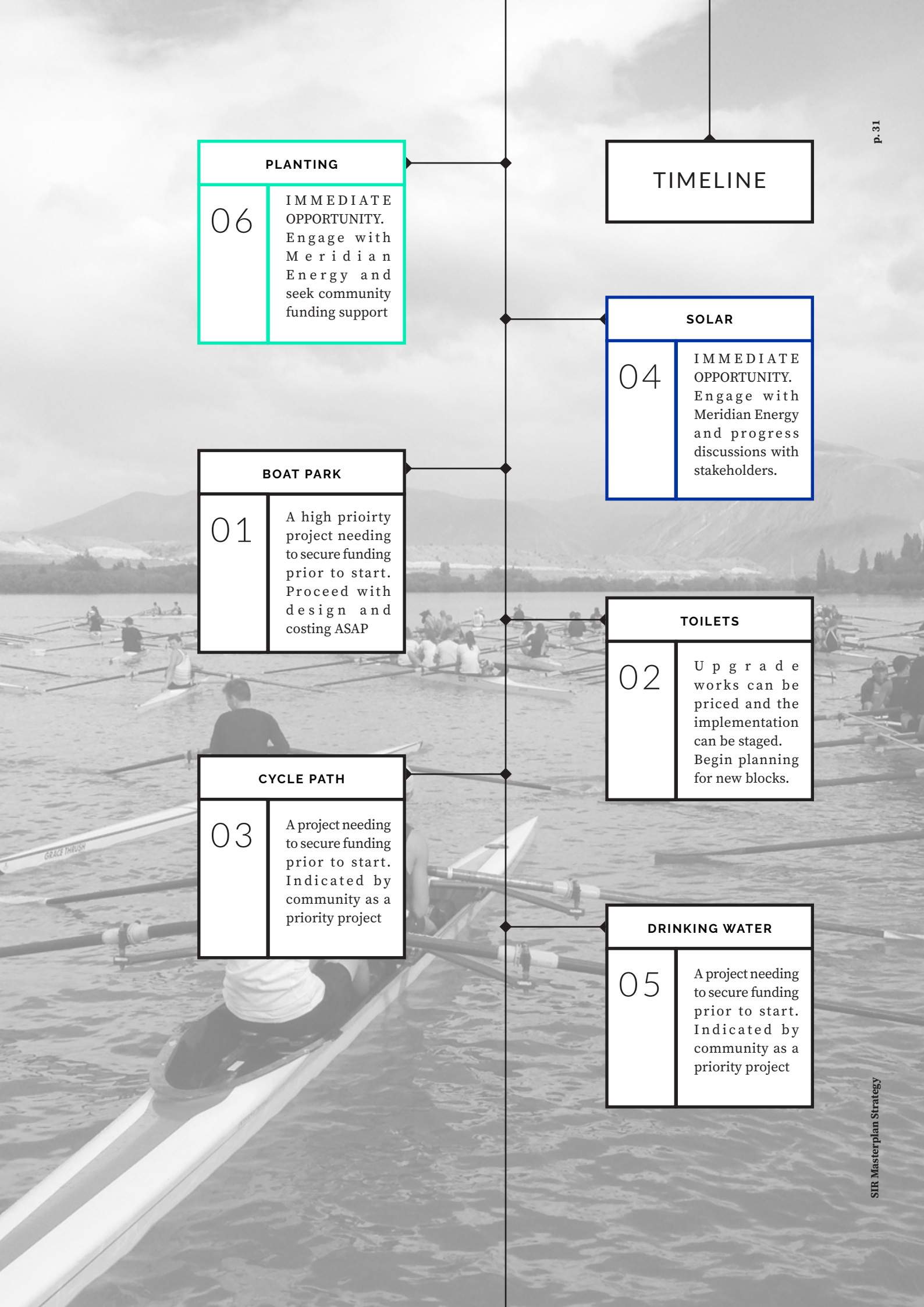
As in all complex projects and sites, the sequencing of projects is not necessarily going to happen in a logical order, but at the whim of opportunities and resources as they are presented. As a non-profit organisation, SIR needs the ability to flex to these opportunities and keep the bigger picture in mind. Oversight of the infrastructural requirements for projects will ensure that staging of works happens in a way that ensures 'enabling' projects are prioritised during planning and funding.

Process

The process for project implementation needs to be clear and as straightforward as possible. Preparation of a 'Project Outline' at the initiation or consideration of any project is a good way to establish a framework for the project rollout.

Reviews

Reviews of project work and progress should continue to be addressed at regular meetings of the South Island Rowing Board. The quality of any reviews rely on the expertise and engagement of those involved. These outcome of these reviews should be reflected in decision-making and shared with the membership



PLANTING	
06	IMMEDIATE OPPORTUNITY. Engage with Meridian Energy and seek community funding support

TIMELINE

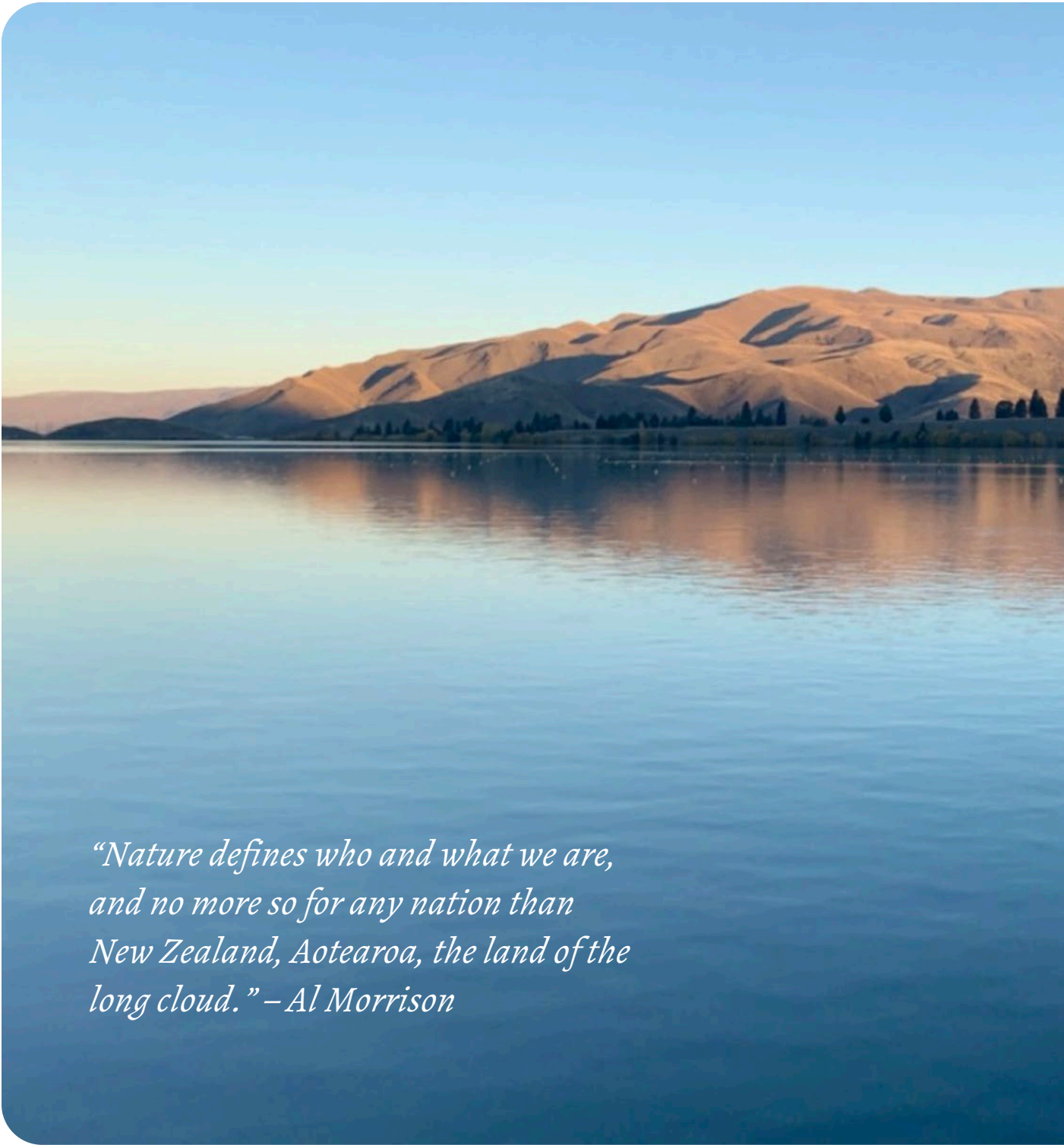
SOLAR	
04	IMMEDIATE OPPORTUNITY. Engage with Meridian Energy and progress discussions with stakeholders.

BOAT PARK	
01	A high priority project needing to secure funding prior to start. Proceed with design and costing ASAP

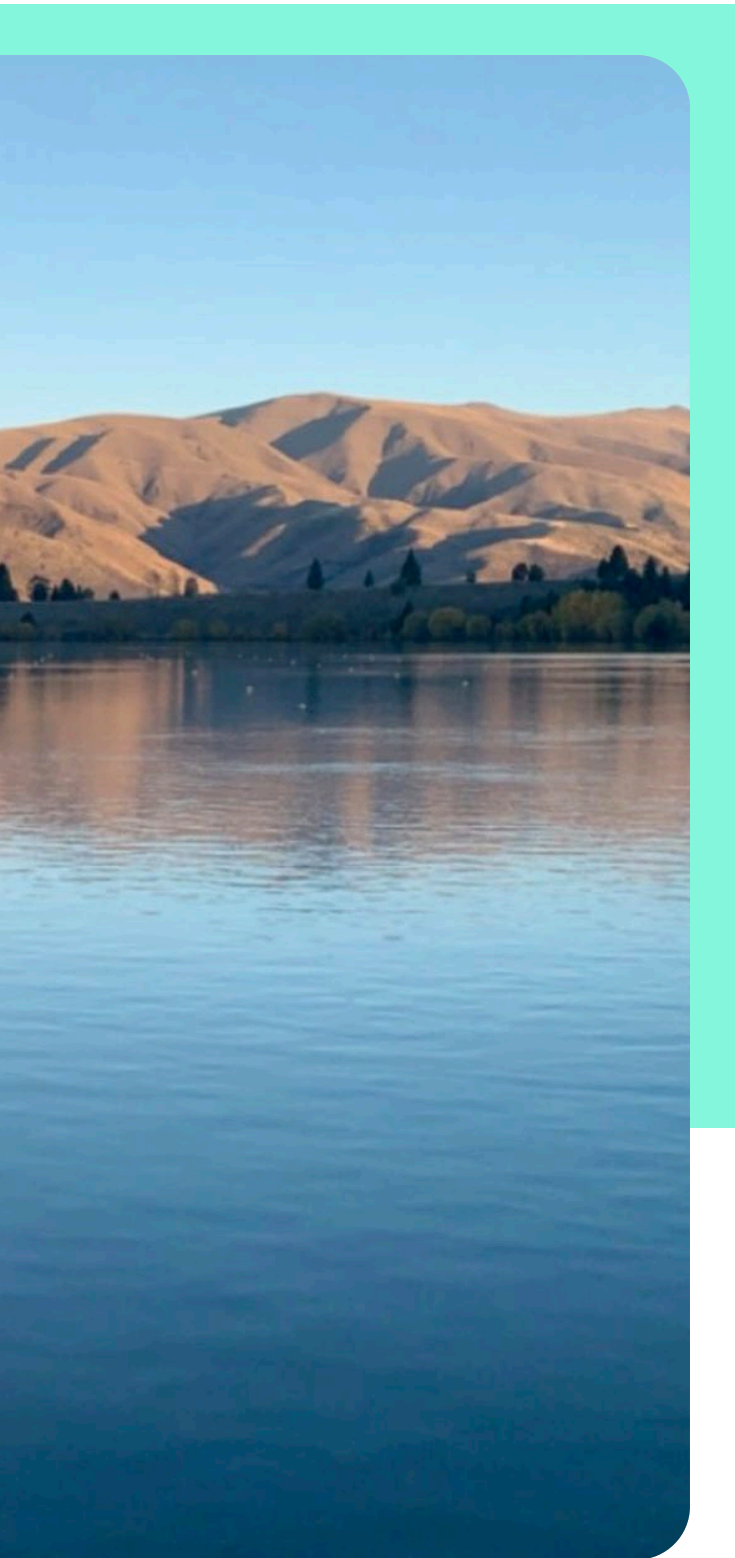
TOILETS	
02	Up grade works can be priced and the implementation can be staged. Begin planning for new blocks.

CYCLE PATH	
03	A project needing to secure funding prior to start. Indicated by community as a priority project

DRINKING WATER	
05	A project needing to secure funding prior to start. Indicated by community as a priority project



*“Nature defines who and what we are,
and no more so for any nation than
New Zealand, Aotearoa, the land of the
long cloud.” – Al Morrison*



REFERENCES

ENVIRONMENT CANTERBURY REGIONAL COUNCIL, CANTERBURY LAND AND WATER REGIONAL PLAN (OPERATIVE 2019)

Link: <https://www.ecan.govt.nz/document/download?uri=3552692>

G DENSEM, THE MACKENZIE BASIN LANDSCAPE: CHARACTER AND CAPACITIES

Link: https://www.mackenzie.govt.nz/__data/assets/pdf_file/0009/517365/Landscape-Report.pdf

MACKENZIE DISTRICT PLAN , SECTION 9 - SPECIAL PURPOSE ZONES

Link: https://www.mackenzie.govt.nz/__data/assets/pdf_file/0017/514043/S09-Special-Purpose-Zones-incl-PDTZ-February-2017.pdf

MACKENZIE DISTRICT PLAN , APPENDIX K - LANDSCAPE GUIDELINES

Link: https://www.mackenzie.govt.nz/__data/assets/pdf_file/0004/514192/Appendix-K-Landscape-Guidelines.pdf

SOUTH ISLAND ROWING BOARD GOVERNANCE AND VISIONING WORKSHOP (JUNE 2021)

In Person attendance

SOUTH ISLAND ROWING COMMUNITY QUESTIONNAIRE SUMMARY (AUGUST 2021)

Link: https://ruataniwha.co.nz/wp-content/uploads/2021/12/SIRI_2021-Questionnaire-Responses.pdf

PREPARED BY S STRACHAN	MARCH 2022
INSPIRESS	

