

WATER

the

NEXT GOLD



“When the well’s dry, we know the worth of water.”

Benjamin Franklin

The wars of the twenty-first century will be fought over water.

quoted in Marq de Villiers' Water, 2000

The world faces a water crisis:

- Current consumption is unsustainable.
- Population explosion is adding to water scarcity.
- Irrigation, major user of water, is wasteful, inefficient.
- Agricultural runoff causing pollution it is full of pesticides, herbicides.
- Industrial effluents are highly toxic.

The Facts: Safe water and improved sanitation would reduce disease by almost 90% (WHO)

The impact of water disease on children is greater than the **COMBINED** impact of human HIV/AIDS, tuberculosis and malaria

According to the UN some 6,000 children die every day from diseases associated with the lack of safe drinking water, inadequate sanitation and poor hygiene

The world is running out of fresh water

Only 3% of the world's water is fresh

Less than 1% of that water is accessible. We have to protect this water from pollution.

By 2025 water demand will exceed supply by 40%

The Reason WASRAG was started

Thousands of Water & Sanitation projects fail

4 out of 5 projects fail within 4 years

- Poor planning / Poor Maintenance
- Lack of community buy-in
- Run out of money or Run out of Water

The Reason WASRAG was started

Assist Rotary Clubs to find partners, ensuring Sustainability, stress the importance of a needs-driven approach and developing best practices

Most Importantly it links water and sanitation to improved hygiene, better health and empowerment to the community

- Pollution of our Water ways in NZ started over 150 years ago and it will not be fixed overnight
- Support is required from everyone
- Find the source causing the Pollution
- We have to act now

The Invercargill Sunrise Rotary Club:

We have started conversations with our members and members of other Rotary clubs regarding Urban water quality (Acceptance of the issue is key)

We are collaborating with Environment Southland, ICC 3 Waters Dept., ICC Parks & Recreation Dept. & Local Schools.

What Invercargill Sunrise Rotary Club have achieved:

- With assistance of Environment Southland we have increased the understanding of urban inputs to water quality
- Removed weed species from Thompson's Bush and planted natives
- Assisted in world volunteer days cleaning up rubbish from the Waihopai River

Invercargill Sunrise Rotary Club FISH Project

- Work together with Environment Southland, ICC 3 waters Dept. and ICC Parks & Recreation Dept. to have a ‘Funday’ in Queens Park along with the Otago University Aquavan visit
- On Funday we will be installing raised fish in Queens Park
- Developing “Find the Fish” games & follow the drains to the river



Invercargill Sunrise Rotary Club FISH Project

- **Education:** Next Steps
- We are working with Waihopai School to have painted fish by Stormwater drain near the school
- Install Fish at all ICC Parks
- Install Painted Fish at all Schools
- Install Painted Fish at Streets in Invercargill Area

- **Start of Invercargill “FISH” Project**
- **Queens Park**
- **When:** Saturday September 21st 2019
- **Time:** 11am to 12:30 pm
- Fun day Activities for the Public
- Aquavan / Stalls / Demonstrations / Displays

A scenic landscape featuring a calm lake in the foreground, surrounded by dense green forest. In the background, snow-capped mountains rise against a blue sky with light clouds. The word "Questions" is overlaid in yellow text in the center of the image.

Questions