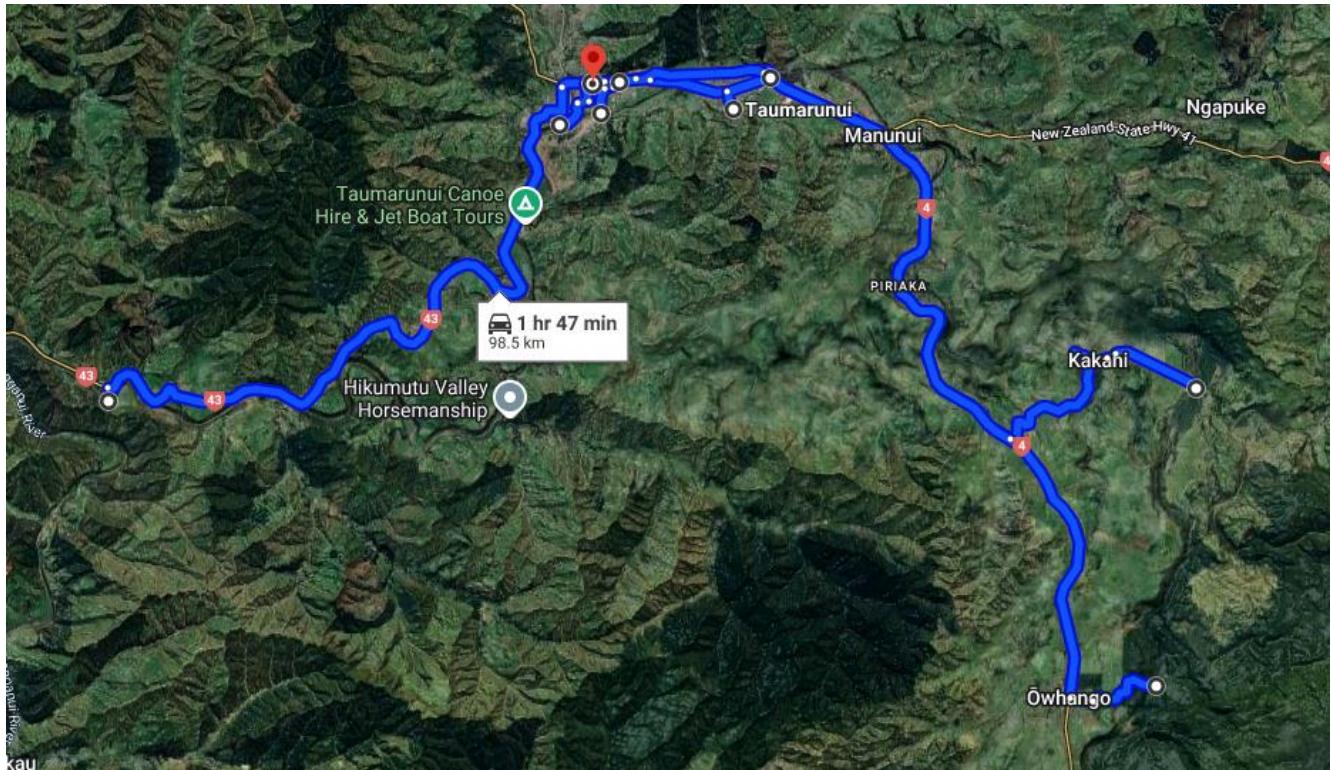


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Version 3.2.23/01/2020

Contact Recreation Guide

Run 8



HRC Contact Info: Hannah Rowe 021 227 7096
OR Ian Hurst 021 247 7346

Job Hazard & Task Analysis

Hazard Identification – tick all that apply, write additional hazards identified:

The yellow highlighted hazards are known hazards at the time of compiling this document. This **does not negate** the need to assess for and potentially eliminate or isolate any hazards at each sample location at every visit

Hazard	Yes	Hazard	Yes	Hazard	Yes
Confined space	<input type="checkbox"/>	Suspended loads	<input type="checkbox"/>	Noise – plant and equipment	<input type="checkbox"/>
Difficult entry/exit	<input checked="" type="checkbox"/>	Falling objects	<input type="checkbox"/>	Communication – means of	<input checked="" type="checkbox"/>
Oxygen deficiency/excess	<input type="checkbox"/>	Working near cranes and crane runways	<input type="checkbox"/>	Remote area	<input checked="" type="checkbox"/>
Poisonous fumes/gas	<input type="checkbox"/>	Live rails-gantry cranes	<input type="checkbox"/>	Temperature extremes	<input checked="" type="checkbox"/>
Explosive gas	<input type="checkbox"/>	Trip hazards	<input checked="" type="checkbox"/>	Reduced visibility	<input checked="" type="checkbox"/>
Flammable materials	<input type="checkbox"/>	Slippery surfaces	<input checked="" type="checkbox"/>	Unauthorized persons	<input type="checkbox"/>
Combustible materials	<input type="checkbox"/>	Manual handling	<input type="checkbox"/>	High pressure water	<input type="checkbox"/>
Hazardous substances	<input type="checkbox"/>	Sharp materials	<input type="checkbox"/>	Vacuum	<input type="checkbox"/>
Drowning	<input checked="" type="checkbox"/>	Line of fire	<input type="checkbox"/>	Air emissions – dust, fumes	<input type="checkbox"/>
Engulfment	<input type="checkbox"/>	Pressurized fluids	<input type="checkbox"/>	General waste	<input type="checkbox"/>
UV Radiation	<input checked="" type="checkbox"/>	Pressurized air/gas	<input type="checkbox"/>	Hazardous waste	<input type="checkbox"/>
Electrical – low /high voltage	<input type="checkbox"/>	Traffic / vehicle movements	<input checked="" type="checkbox"/>	Hydrocarbon / chemical spill	<input type="checkbox"/>
Multiple electrical feeds	<input type="checkbox"/>	Machinery – mobile plant	<input type="checkbox"/>	Soil disturbance/erosion	<input type="checkbox"/>
Working at height	<input type="checkbox"/>	Moving parts	<input type="checkbox"/>	Habitat disruption	<input type="checkbox"/>
Ladders	<input type="checkbox"/>	Chemical reaction (Pyrophoric iron)	<input type="checkbox"/>	Lighting	<input type="checkbox"/>
Elevated work platforms	<input type="checkbox"/>	Transport of hazardous substances	<input type="checkbox"/>	Weather extremes	<input checked="" type="checkbox"/>
Potential for difficult rescue	<input checked="" type="checkbox"/>	Stock/Farm Animals	<input type="checkbox"/>	Swift water	<input checked="" type="checkbox"/>

Required PPE– tick all that apply, write additional PPE required:

The yellow highlighted PPE are known required PPE at the time of compiling this document. This **does not negate** the need to assess for the appropriate required PPE measures at each sample location per visit.

SAMPLING GLOVES	EAR PROTECTION	HARD HAT	SAFETY GLASSES / GOGGLES	WORK BOOTS / WADERS	PROTECTIVE GLOVES	PERSONAL FLOTATION DEVICE (PFD)
						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HI VIZ	SAFETY HARNESS	SUNBLOCK & HAND SANITISER	VHF RADIO	THROW BAG	PERSONAL LOCATOR BEACON	
						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Drowning	☒			☒		☒	Staff should use a sample pole if access into the river/stream is unsafe. PFD's must be worn by staff. Always carry a personal locator beacon. It is always preferable to have someone else with you at all times when working around water [HMP 18]
UV Radiation	☒			☒	☒		Horizons provide sunscreen and hats. Staff are encouraged to make use of these. [HMP 17]
Difficult Entry/Exit	☒			☒	☒		Entry and exit into waterways poses many risks and should be treated with caution. Sampling must be done from stable level ground. Staff should use a sample pole if access into the river/stream is unsafe. PFD's must be worn by staff and staff must be trained for working around water. [HMP18]
Potential for Difficult Rescue	☒			☒		☒	Sampling must always be done from stable level ground. Staff should use a sample pole if access into the river/stream is unsafe. PFD's must be worn by staff and staff must be trained for working around water. Vehicles must be driven a sensible distance from any river or pond edges. Always carry a throw bag when working around water and have a personal locator beacon on hand. It is always preferable to have someone else with you at all times when working around water [HMP18]
Trip Hazards	☒			☒	☒		Prior to sampling, staff must check area is clear of items that pose a risk. Trip Hazards should only be moved if safe to do so. Sampling only to commence if the sampler is satisfied that any slip, trip or fall hazards are isolated.
Slippery Surfaces	☒			☒	☒		Sampling must be done from stable level. Vehicles must be driven a sensible distance from any river or pond edges. [HMP 18]. Staff driving four wheel drive vehicles must have adequate training [HMP 9]
Traffic Vehicle Movements							The designated driver of a vehicle is responsible for ensuring the safety and operational requirements and recommendations are met. All staff working within the road reserve must wear high visibility clothing to AS/NZS 1906.4:2010. This clothing must be fluorescent red orange in colour unless the individual is the site STMS then the garment must be fluorescent lime yellow. [HMP 9] [HMP 16] [HMP 20].
Communications-Means of							Cell phone coverage is not available at all sites. Staff must be capable of communicating via VHF radio in an equipped vehicle. [HMP 24]
Remote Area	☒			☒		☒	Most council vehicles are fitted with the E-Road vehicle locator system. Many vehicles are also fitted with a radio operating on the Horizons digital radio network providing communication and tracking coverages across a majority of the region. [HMP 24]
Temperature/ Weather Extremes	☒			☒		☒	During the duration of a sampling run varying types and degrees of weather may be experienced. All sampling staff are to have access

						within their HRC vehicle to additional and appropriate clothing. Staff must have access to suitable PPE and spare clothing within their vehicle. [HMP 18]
Reduced Visibility	☒		☒		☒	If you find you are driving in limited visibility slow your driving speed and turn your fog lights on and watch out for vehicles that aren't using their lights. When working in limited visibility if you cease to able to make out your surrounding environment stop work immediately. If working at night it is advisable to traverse the property in daylight first to map out an action plan outlining walking tracks, vehicle tracks, fence lines, stock positions, ponds, waterways, houses, and sheds as well as other significant items of interest. [HMP12]

Site Names and Coordinates

Site Name	Easting (NZTM)	Northing (NZTM)

1	Whanganui at the Channels, Matapuna, Taumarunui	1799181	5693148
2	Whanganui at Mananui (Whanganui at Matapuna)	1799956	5693765
3	Whakapapa at Kakahi (end of Te Rena Road)	1808716	5687076
4	Whakapapa at Owhango	1807718	5680898
5	Whanganui at Victory Bridge, Taumarunui	1796409	5693120
6	Whanganui at Cherry Grove (Ngāhuinga)	1795602	5692831
7	Ongarue at Cherry Grove (Ngāhuinga)	1795535	5692904
8	Whanganui at Ohinepani (Recreational Reserve and Campsite)	1785951	5687372

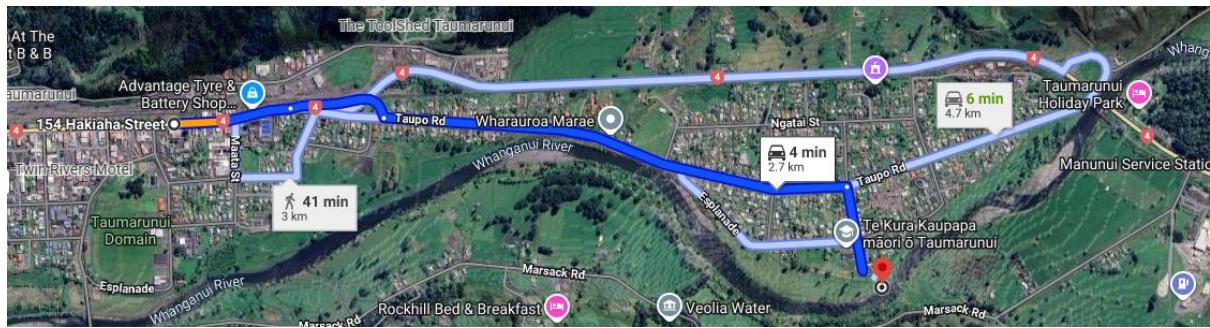
Equipment Required

Sample Bottles	Yellow-top bacto bottle	Red-top bottle
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Contact Recreation	X8 micro bottles 	X1 Temperature Bottle 
Hilltop Sampler Numbers	<ul style="list-style-type: none"> • 8 sample numbers 	
Meters/Equipment	<ul style="list-style-type: none"> • Chilly Bin, Slicker pads • Camera • GPS • Field Sampling Sheets • Bottle ID stickers • Vivid and pens • Thermometer • Temp on Arrival Bottle • Courier tickets + Courier stationary • Lab address and Ngāti Hāua return address 	

Remember to prepare your chilly bin for today :)

Whanganui at the Channels, Matapuna Taumarunui

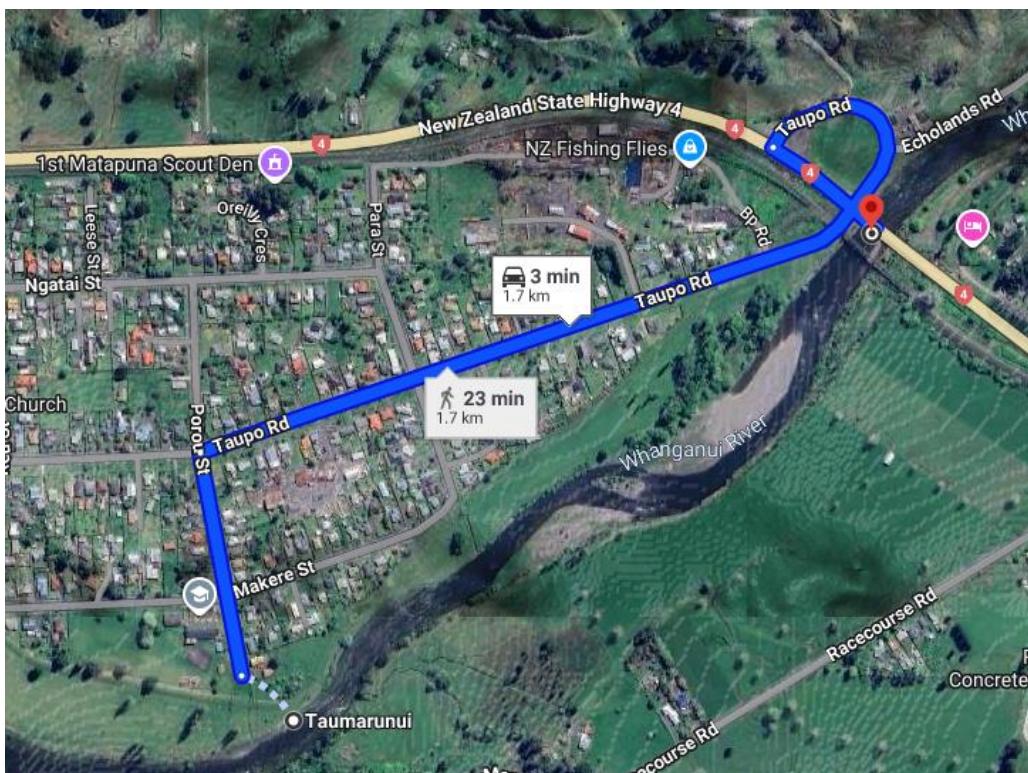


- Turn right coming out of the Ngāti Hāua office and continue driving towards Taupō Rd
- Take the exit toward Taupo Rd then continue on this road, turning left at the T-intersection.
- Turn right onto Porou St and follow this Rd to the end. Park somewhere safe on the side of the road. Walk through the gates and sample the closest run above the pool.





Whanganui at Mananui (referred to as Whanganui at Matapuna)



- Head back down Porou St and continue straight through Makere St.
- Turn left onto Taupo St. Follow this road until you reach the intersection onto State Hwy 4.
- Turn left onto State Hwy 4, crossing the bridge over the Whanganui River. On the left, look out for a side road running parallel to the highway. At the Taumarunui Holiday Park sign in

the picture below, turn left into the Holiday Park. If you see the Z truck stop along the highway, you've gone too far.

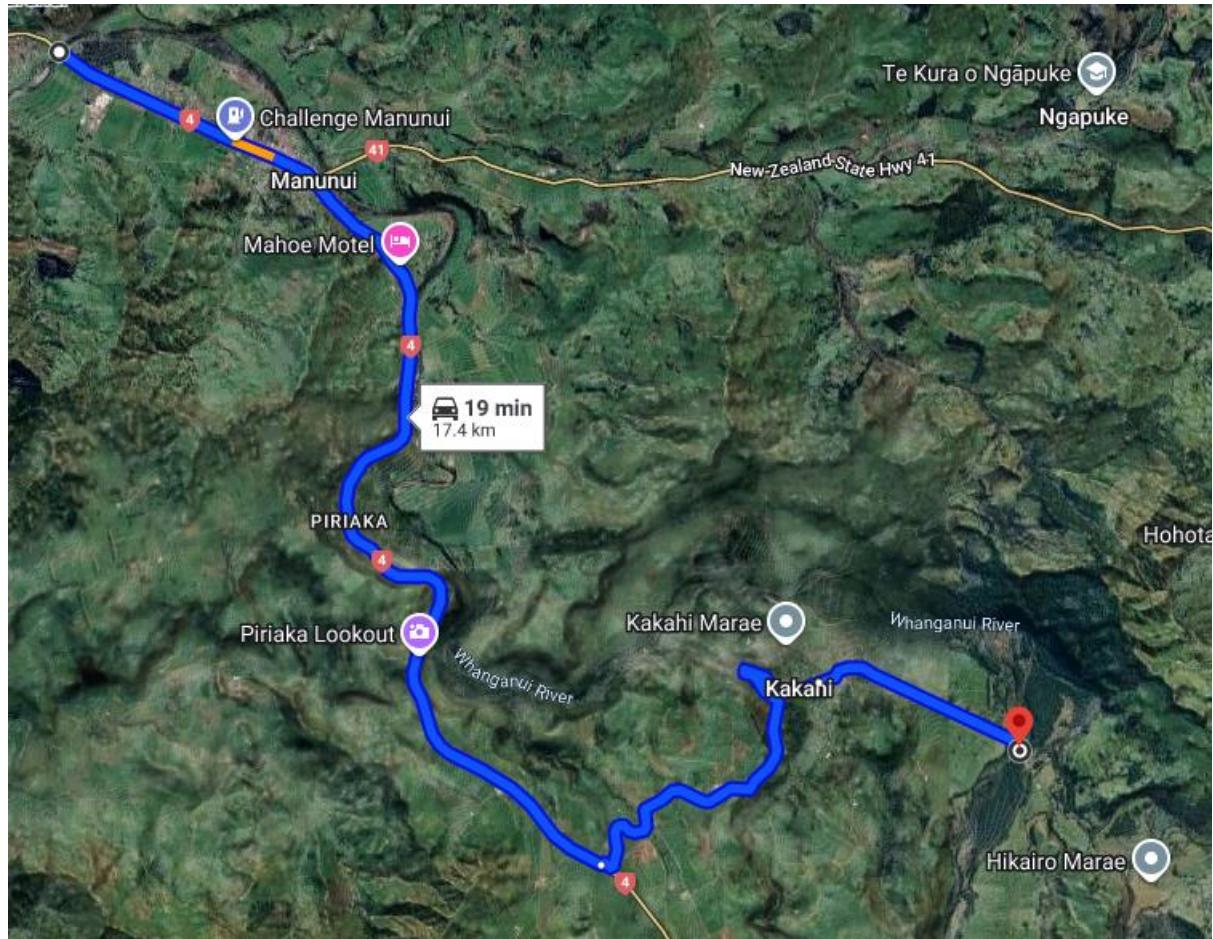
- Drive straight through the gate and down to the river. Sample here immediately upstream of the bridge. Another sample point is to the far right, just before the toilets. Walk down the dirt bank and sample in the river. This latter point has better visibility of the bank.





Contact Recreation Run 8

Whakapapa River at Kākahi (end of Te Rena Rd)



- From Matapuna campsite, turn left onto State Hwy 4 and travel for 11km.
- Turn left onto Waitea Branch Rd and travel is this road through the Kākahi Township. This road turns into Te Rena Rd.
- Continue on Te Rena Rd until the end of the road, following down a forest tunnel which opens to the Reserve. Park somewhere safe and talk down to the nearest run.



Contact Recreation Run 8



Contact Recreation Run 8

Whakapapa at Owhango

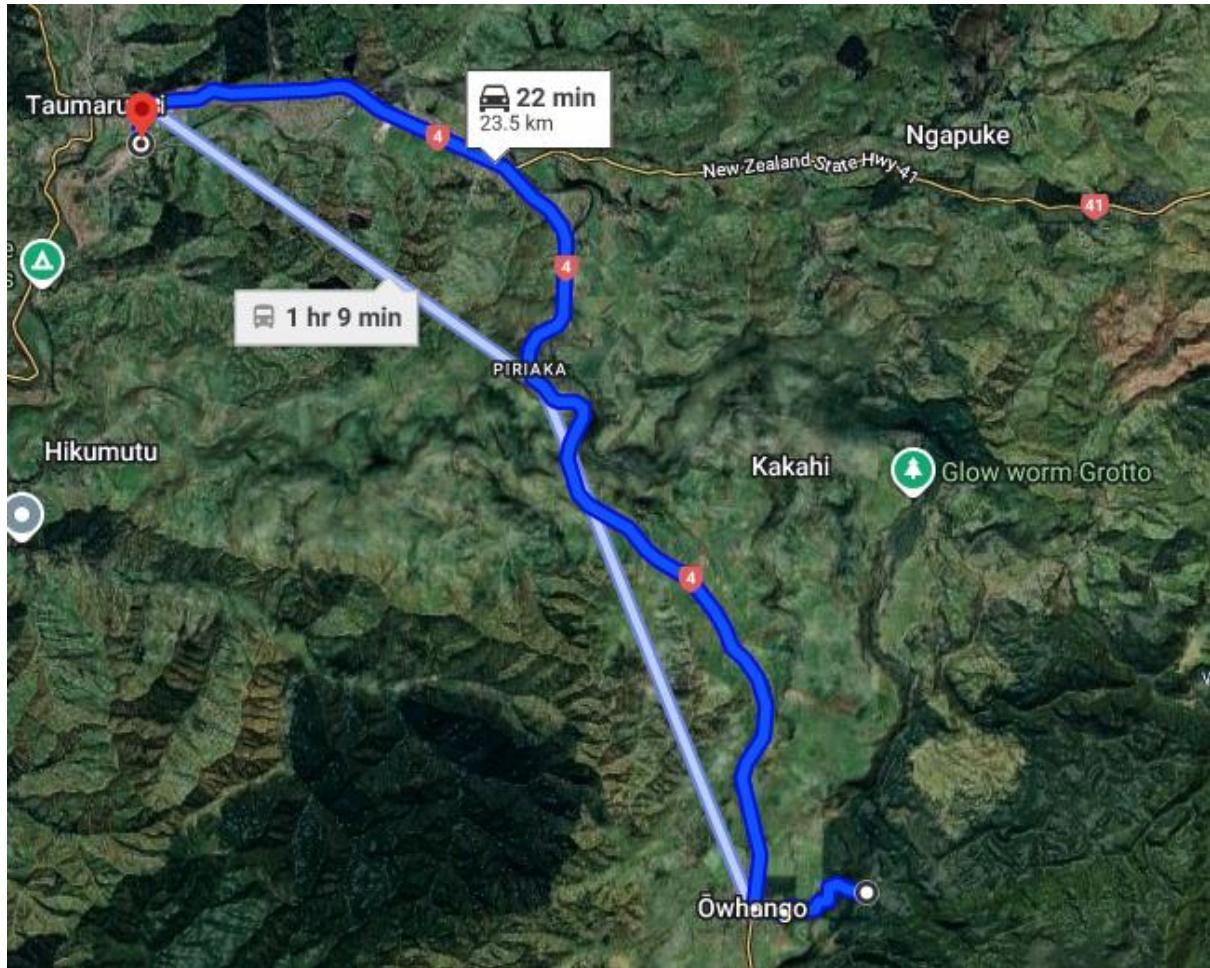


- From the holiday park, head back to the main road (state highway 4) and turn left. Head past the Z truck stop and out of Taumarunui.
- Drive for around 13 mins. You will come to the small township of Owhango. Turn left onto Omaki Road at the Gifts, Crafts and Collectables store, and drive to the end.
- You will see a Department of Conservation sign and a gravel track to the Ohinetonga Scenic Reserve (photo shown below). You can drive down here (slowly, there are potentially many other people walking, driving or riding).

- When you reach the bridge over the Whakapapa River (next to the Long drop) park safely out of the way. There is a track to the right of the bridge heading upstream beside the river (the Ohinetonga Loop track). Follow this for approximately 30 – 40 m and the track splits with a track heading left down towards the river. Follow the left hand fork. There will be a small stream that you will need to wade across to access the Whakapapa River. You should be sampling approximately 50m upstream of the bridge.



Whanganui at Victory Bridge, Taumarunui



- Follow the main road back out to Ōwhango, turn right at the Ōwhango intersection onto SH4.
- Follow SH4 back to the centre of the Taumarunui Township.
- Once in Taumarunui, turn right onto Turaki St then right onto Morero Terrace and turn left again to stay on Morero Terrace.
- Follow this road until you reach the Victory Bridge. Before the bridge, turn right into the reserve, following the track around the bike park.
- Park somewhere safe and walk to the river access under the bridge, sample here or the nearest run.

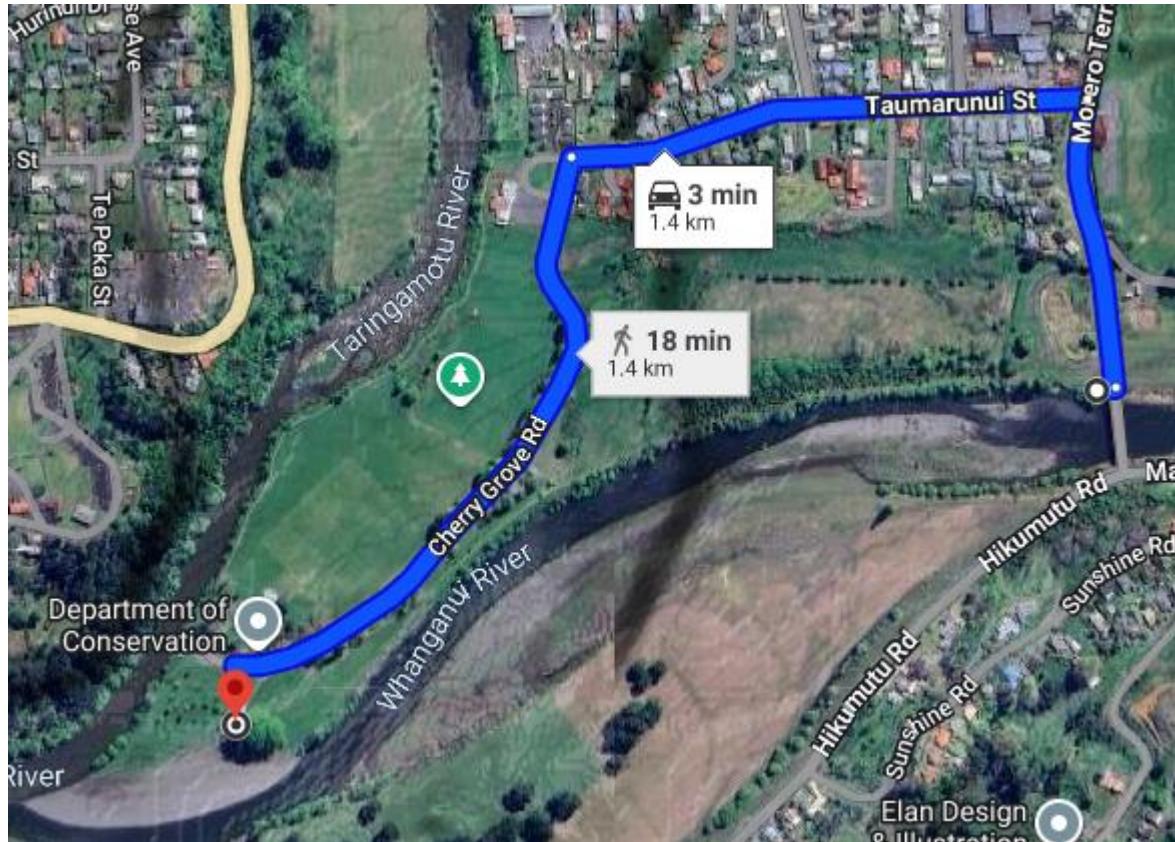


Contact Recreation Run 8



Contact Recreation Run 8

Ongarue and Whanganui at Ngahuinga (Cherry Grove)



- Follow Morero Tce before turning right into Taumarunui St opposite the sports ground.
- Follow Taumarunui St as it turns into Cherry Grove Rd.
- Continue past the sports club and sports fields.
- You will come to an archway that says Cherry Grove on it.



- As you drive through there will be a split in the path (shown below). Go to the **left** to reach the **Whanganui site** and **come back and take the other path** to get to the **Ongarue site**. *Google Maps refers to Ongarue as Taringamotu River; they're the same site.*
- The Whanganui site is monitored at the top of the gravel beach. The Ongarue site is monitored at the boat ramp.



Split in road (Whanganui River to the left, Ongarue River to the right)

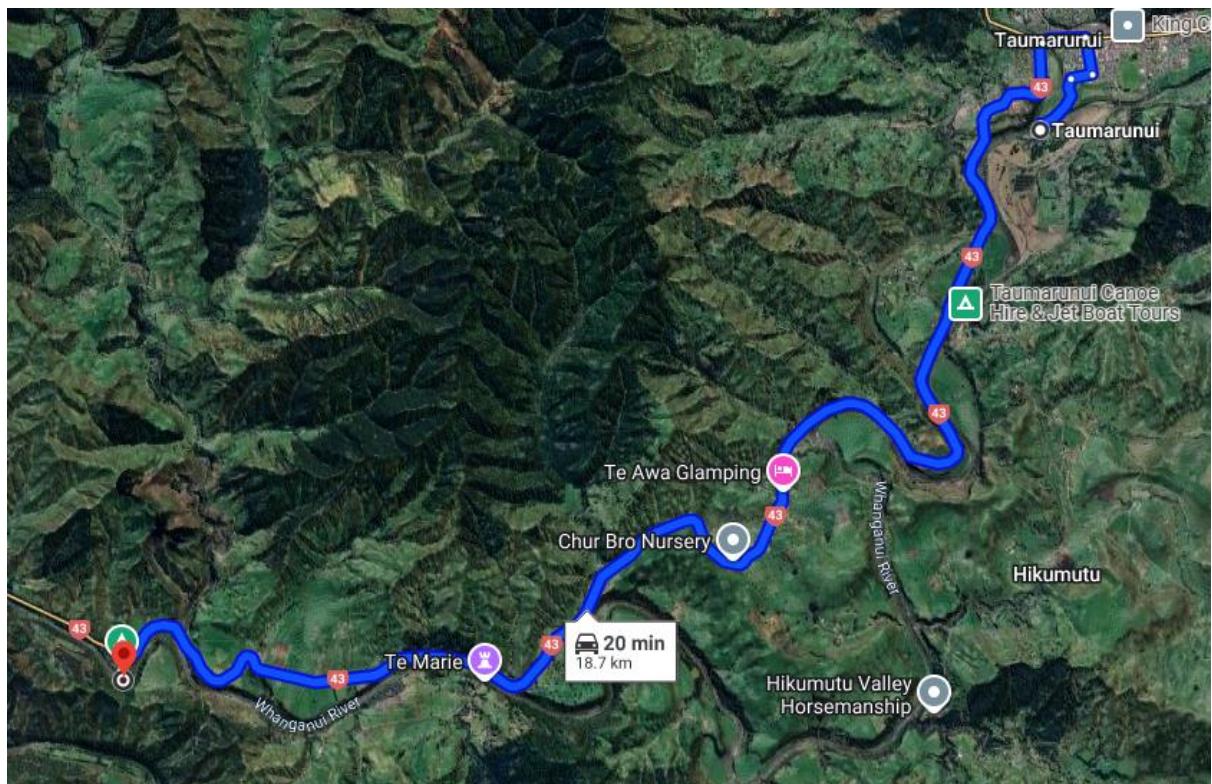


Whanganui at Cherry Grove site



Ongarue at Cherry Grove site.

Whanganui River at Ohinepani (Recreational Reserve and Campsite)



- Exit the Ngahuinga Reserve, turning right onto Taumarunui St.
- Shortly after, turn left onto Marae St and follow to the end of the road.
- Turn left onto SH4, travelling over the bridge that across the Ongarue River and turning left onto SH43 (signs for Stratford/Hospital).
- Follow this road for 16km, past the Lavender farm.
- The turn-off for Ohinepane Campsite is just after the bend that has Otunui Rd coming off it. The Campsite is signed with a Doc sign.
- Follow the track down and sample off the ramp.



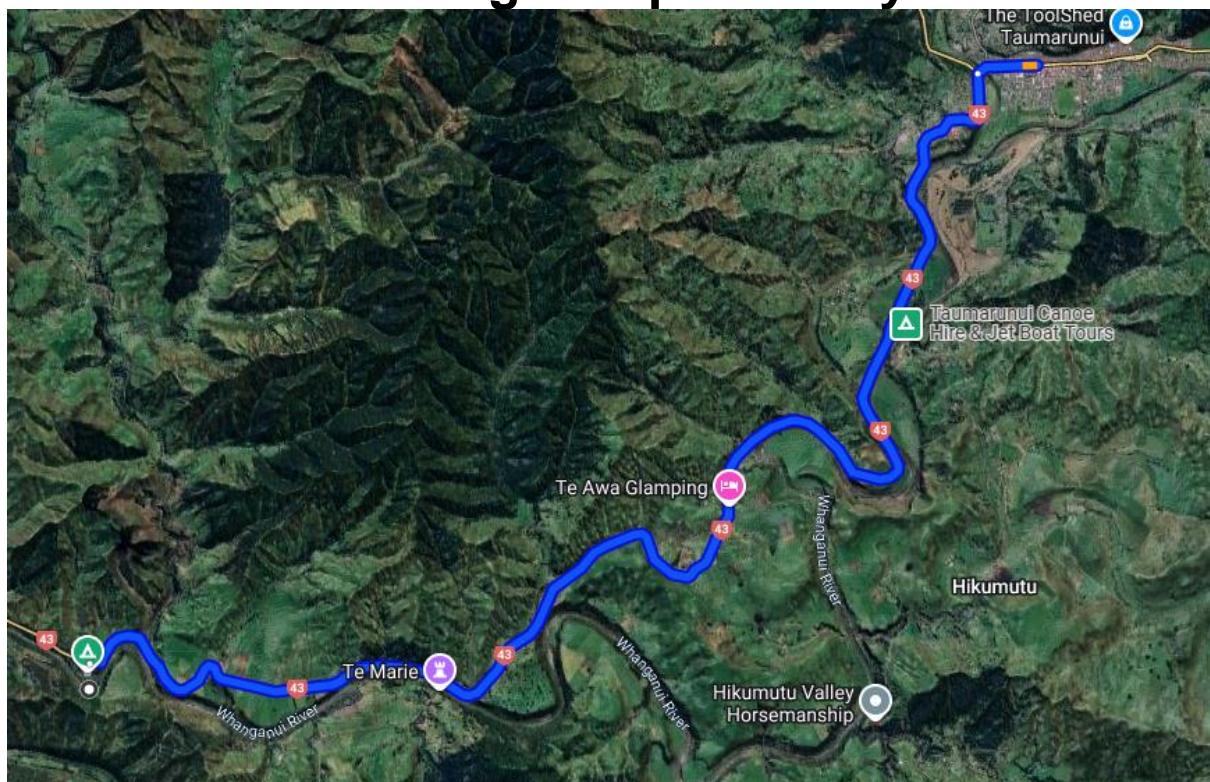


Contact Recreation Run 8

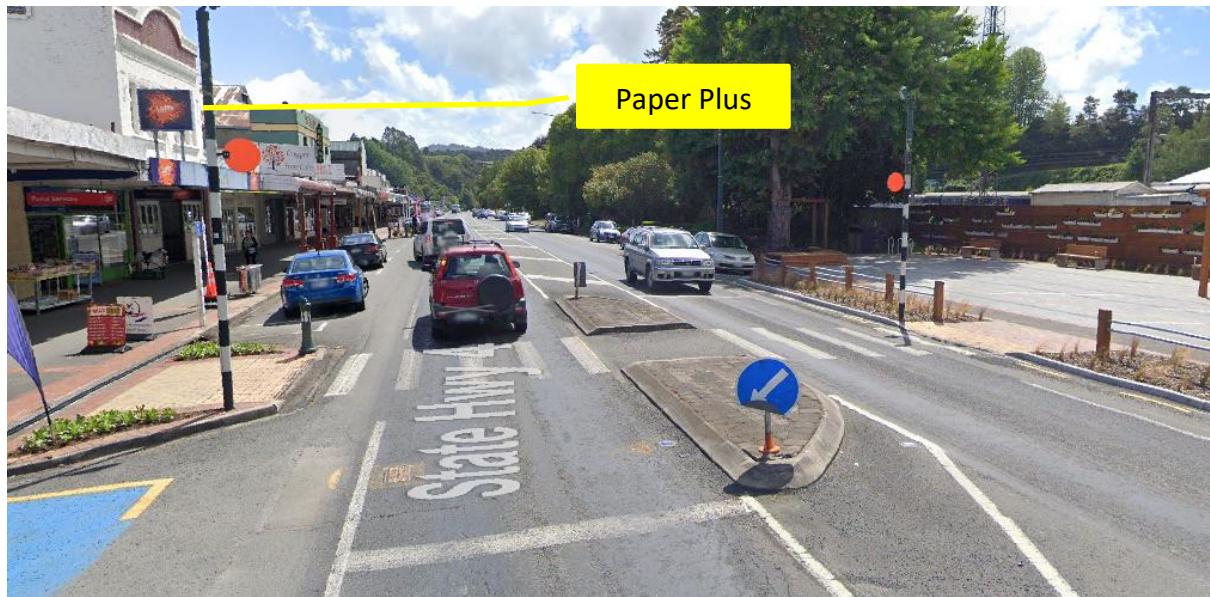
Once you have taken the last sample ensure that the:

- Paperwork is all completed;
- Photo taken of white sheets from the field books AND sent to HRC;
- Ensure all bottles + Temp on arrival bottle are in chilly bin.
- the slicker pads/ice packs are in the chilly bin;
- the laboratory's address is on the lid;
- the courier labels are filled out and on the chilly bin lid;
- the chilly bin is securely taped shut

Sending Samples Away



- Return back the Taumarunui the way you came.
- Stop when you reach Paper Plus in the Taumarunui township.
- The samples must be at the drop off point before 4:30pm. This can be variable as well so best to be before 4 pm to be sure.



Contact Recreation Run 8