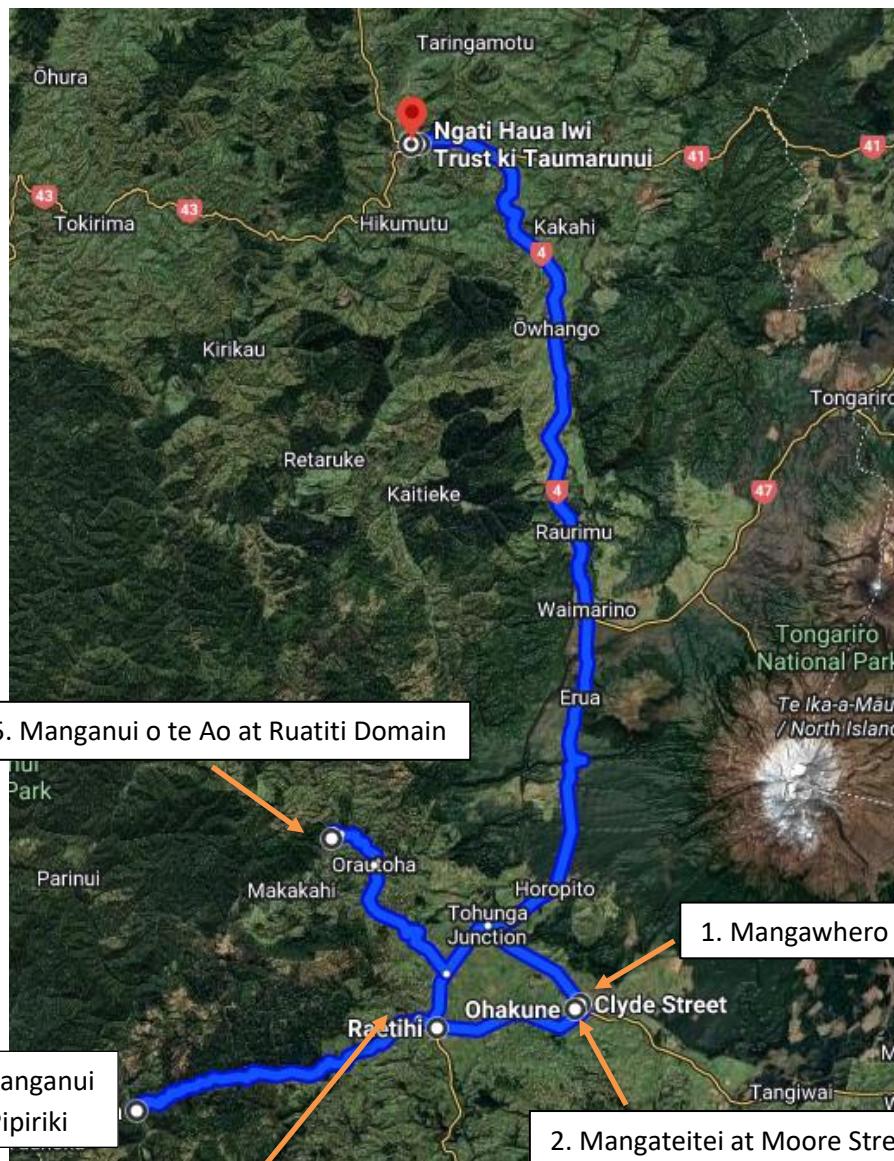


Contact Recreation Guide

Run 7 – Ngāti Hāua



**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 FLOATATION 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 type="checkbox"/>	<input type="checkbox"/>	
<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 be 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

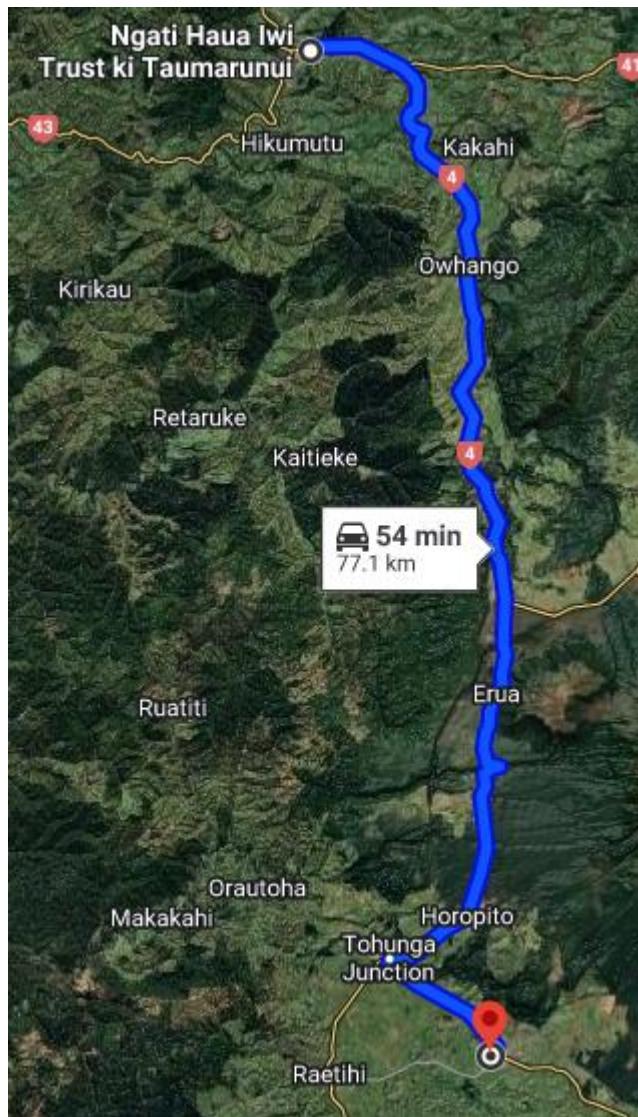
Site Name		Easting (NZTM)	Northing (NZTM)
1	Makotuku at Raetihi Motorcamp	1796493	5633040
2	Whanganui at Pipiriki	1775744	5627903
3	Manganui o te Ao at Ruatiti Domain	1789560	5646123
4	Mangawhero at SH49	1806378	5634470
5	Mangateitei at Moore Street	1805961	5634120
	Courier drop-off in Taumarunui: before 4:30pm		

Equipment Required

Sample Bottles	Yellow-top bacto bottle	Red-top bottle
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Contact Recreation	5x Micro Bottles 	1x Temperature Reference 
Hilltop Sampler Numbers	<ul style="list-style-type: none"> 5 Samples on Run 7 8 Samples on Run 8 13 sample numbers total (Runs 7 & 8) 	
Meters/Equipment	<ul style="list-style-type: none"> 1x Chilly Bin, Slicker pads Camera GPS Field Sampling Sheets Bottle ID stickers Vivid and pens Thermometer Courier labels Large ziploc bags x2 	

Mangawhero at SH49



- Turn right from the Ngāti Hāua office and follow SH4 out of Taumarunui. Drive straight for 69km.
- Turn right at the Tohunga Junction onto SH49 (signposted as Ohakune and Waipoua).
- Follow SH49. Just after crossing the small bridge heading into Ohakune, turn left into Ayr St (shown below). Follow the tight turn to the left into the small park area.
- Pull into the park area and follow walkway approximately 40 meters staying close to the river (on your left). There will be a path leading down to the river, take this and take your sample at the end of the path.

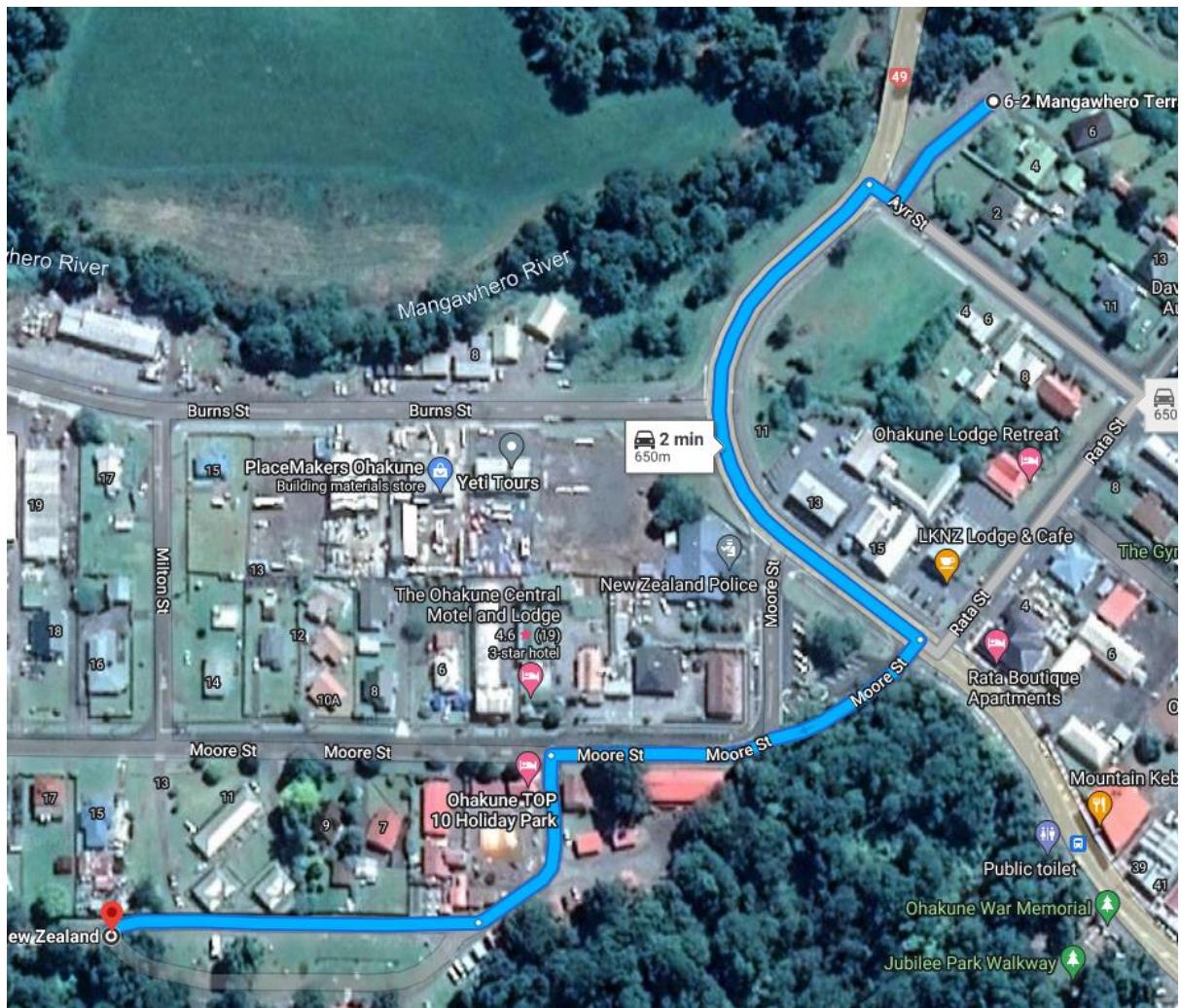


Parking area



Access track behind trees

Mangateitei at Moore Street



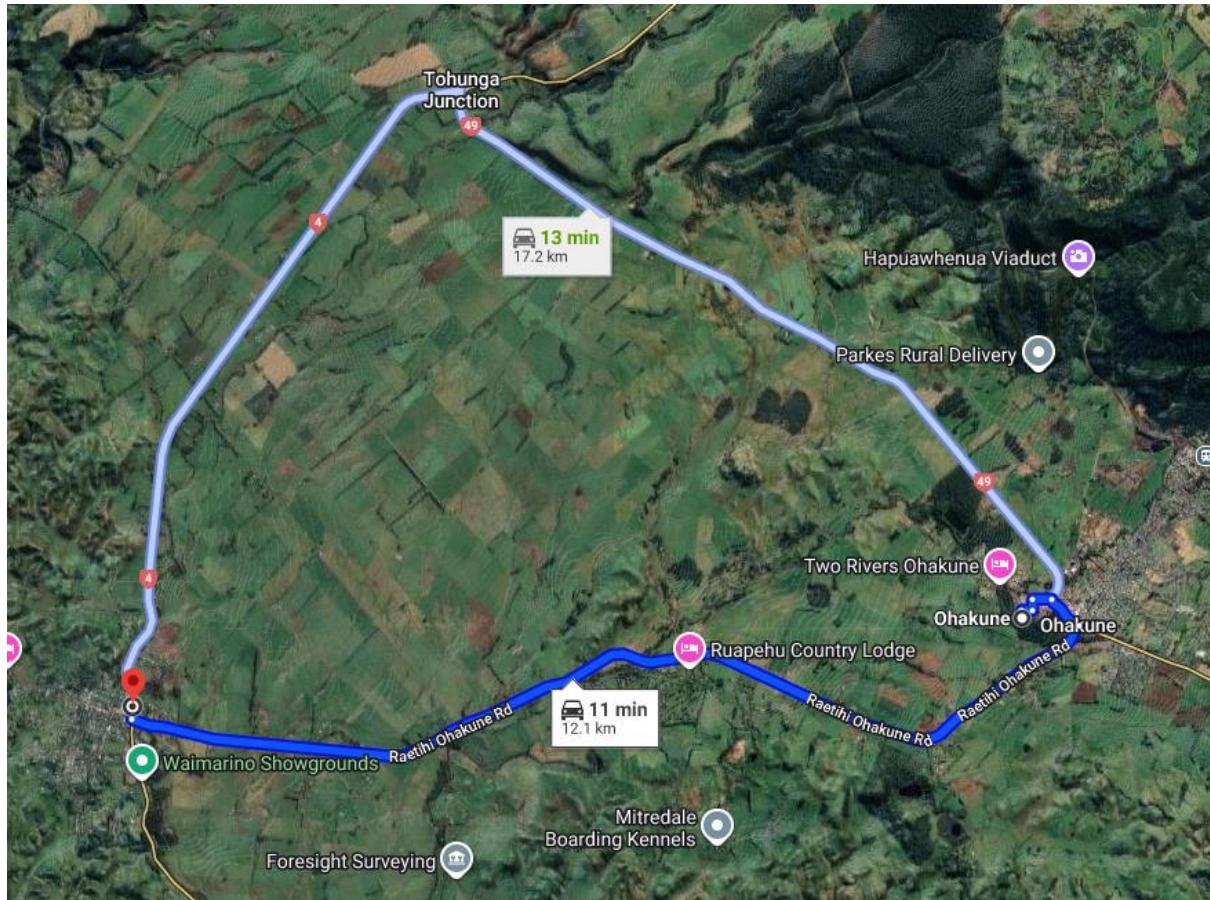
- Return back the way you came along Mangawhero Terrace towards Ayr St
- Turn right onto Ayr St
- Turn left onto S.H.49
- Turn right onto Moore Street
- Turn left into the Ohakune top 10 Holiday Park, sign in and out at the reception.
- Follow the road around the one way until a little picnic/parking area. Park here. Walk past the picnic table and sample from a suitable run.



Park here



Makotuku at Raetihi Motorcamp



POSSIBLE SITE HAZARDS (this does not negate undertaking a hazard review prior to sampling on the day):

Drowning	UV Radiation	Slippery surfaces	Trip hazards
Difficult entry/exit	Potential for difficult rescue	Remote Area	Traffic / Vehicle Movements
Weather/Temperature Extremes			

REQUIRED PPE (in accordance with above hazards – this does not negate undertaking a hazard review prior to sampling on the day and/or using additional PPE if deemed necessary):

WORK BOOTS / WADERS	PFD	SUNSCREEN	PERSONAL LOCATOR BEACON	HI-VIS	VHF RADIO	SAMPLE POLE	HAND SANITISER

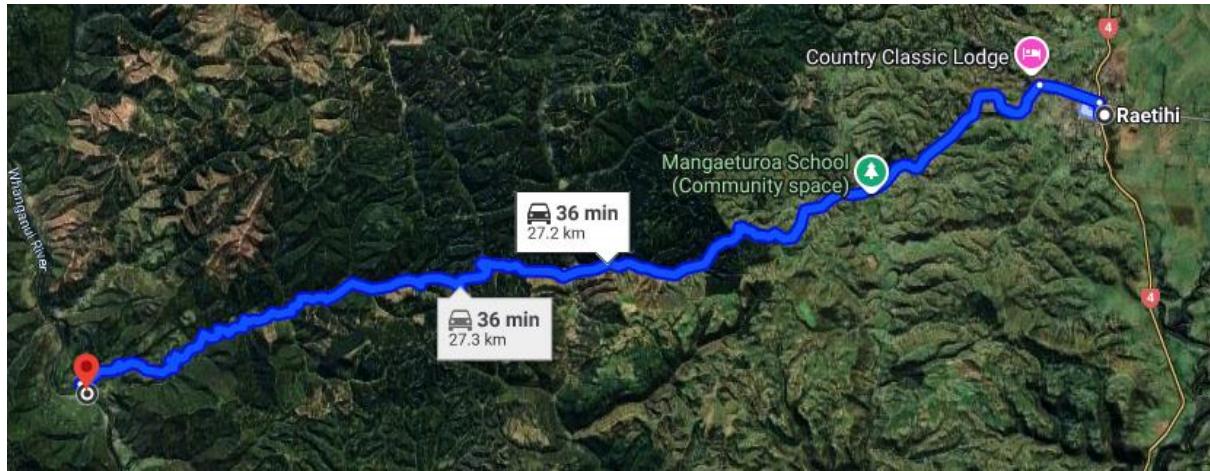
- Turning right onto Moore St coming out of the Ohakune Holiday Park then turn right onto SH49.
- Turn right onto Raetihi Ohakune Rd and follow this road until you reach Raetihi.
- Turn right onto SH4, travel for 100m ish, then turn right into the Makotuku Track car park. Walk down to the river and sample on the nearest straight.



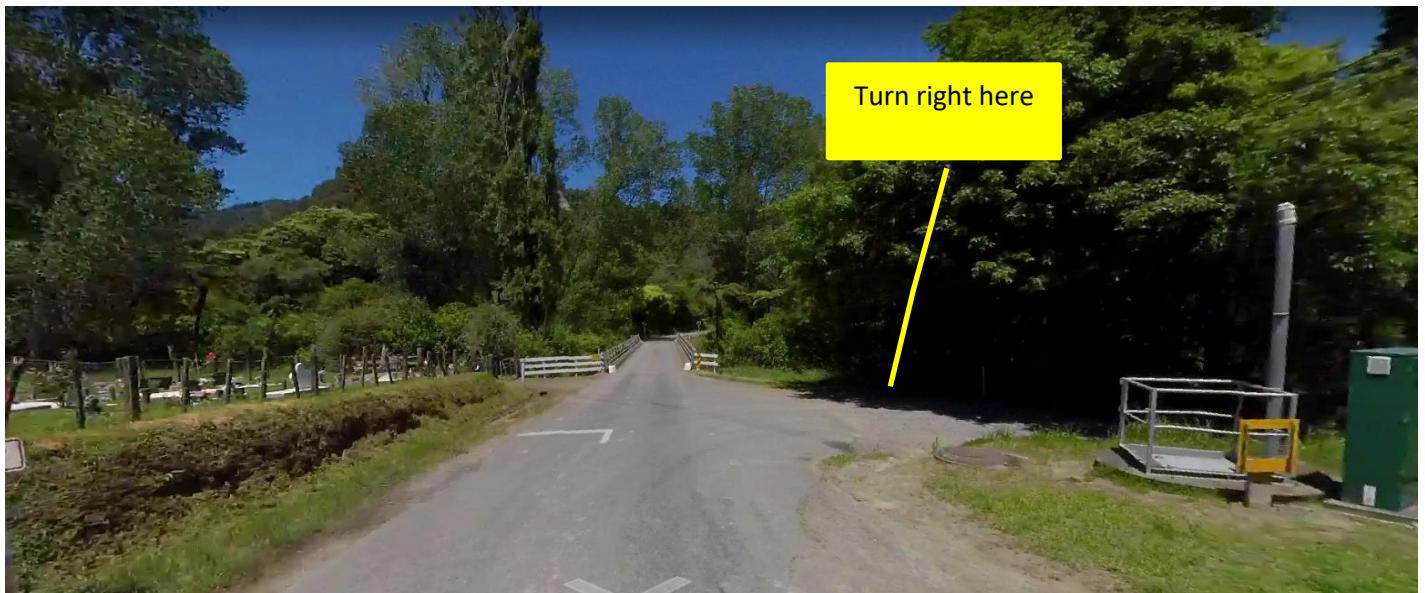
Access track and monitoring point

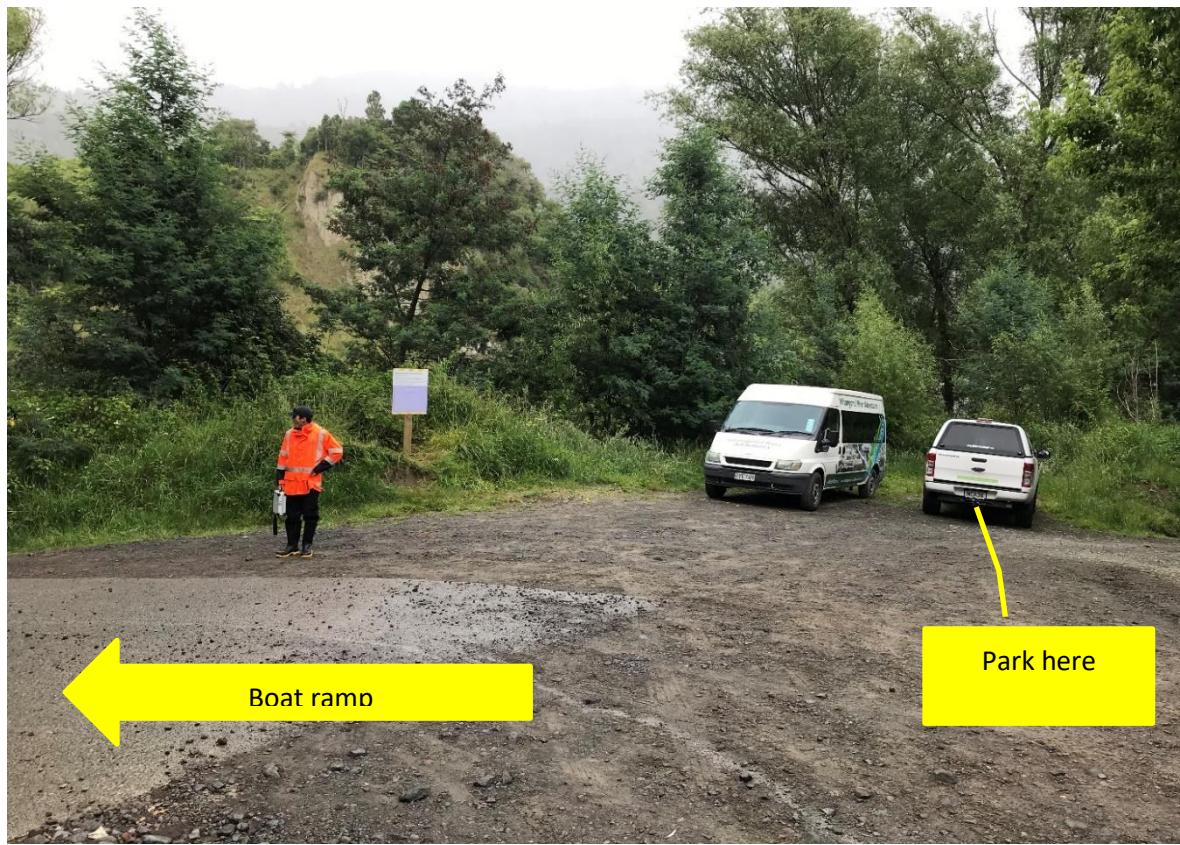


Whanganui at Pipiriki



- From Makotuku carpark, turn right back onto SH4 (towards the Caltex).
- Just before to reach the Caltex, Turn right onto Sneddon St, signs for Pipiriki.
- Stay on this road until you reach Pipiriki. Watch out for fallen cliff debris on the road.
- Drive through Pipiriki. At the fork in the road, turn left onto Taheke/Whanganui River Road. Turn right down towards the boat ramp, park as shown below and sample at the boat ramp.
Opposite the Cemetery (Don't leave Pipiriki town)







Manganui o te Ao at Ruatiti Domain



POSSIBLE SITE HAZARDS (this does not negate undertaking a hazard review prior to sampling on the day):

Drowning	UV Radiation	Slippery surfaces	Trip hazards
Difficult entry/exit	Potential for difficult rescue	Remote Area	Traffic / Vehicle Movements
Weather/Temperature Extremes			

REQUIRED PPE (in accordance with above hazards – this does not negate undertaking a hazard review prior to sampling on the day and/or using additional PPE if deemed necessary):

WORK BOOTS / WADERS	PFD	SUNSCREEN & HAND SANITISER	PERSONAL LOCATOR BEACON	HI-VIS	VHF RADIO	SAMPLE POLE	

- Return to Raetihi the way you came along Pipiriki Raetihi Rd and Seddon St. At the Caltex intersection, turn left onto SH4 and travel North on State highway 4 towards National Park.

- Approximately 2 minutes outside of Raetihi you will travel across a bridge over the Makara stream. Just past this turn left onto Ruatiti Road
- Stay on this road (21.1 km, 25 minutes one way). There will be a few roads that come off to the sides but stay on the main road. This is well signposted as heading to Ruatiti domain.
- You will cross a large bridge across the Manganui o te Ao River (this will be the second bridge you come to) and immediately across the bridge there will be a sign pointing to take a gravel track to the left to reach Ruatiti Domain (shown below). Turn left here.
- Follow this track for approximately 2 minutes (including through the gates) and on the left there will be an access point to Ruatiti Domain (shown below).
- Follow the track down into Ruatiti Domain. Stay on the main track down to the River and sample in the large pool directly in front of the picnic area (as shown on the map).



Turn off after bridge

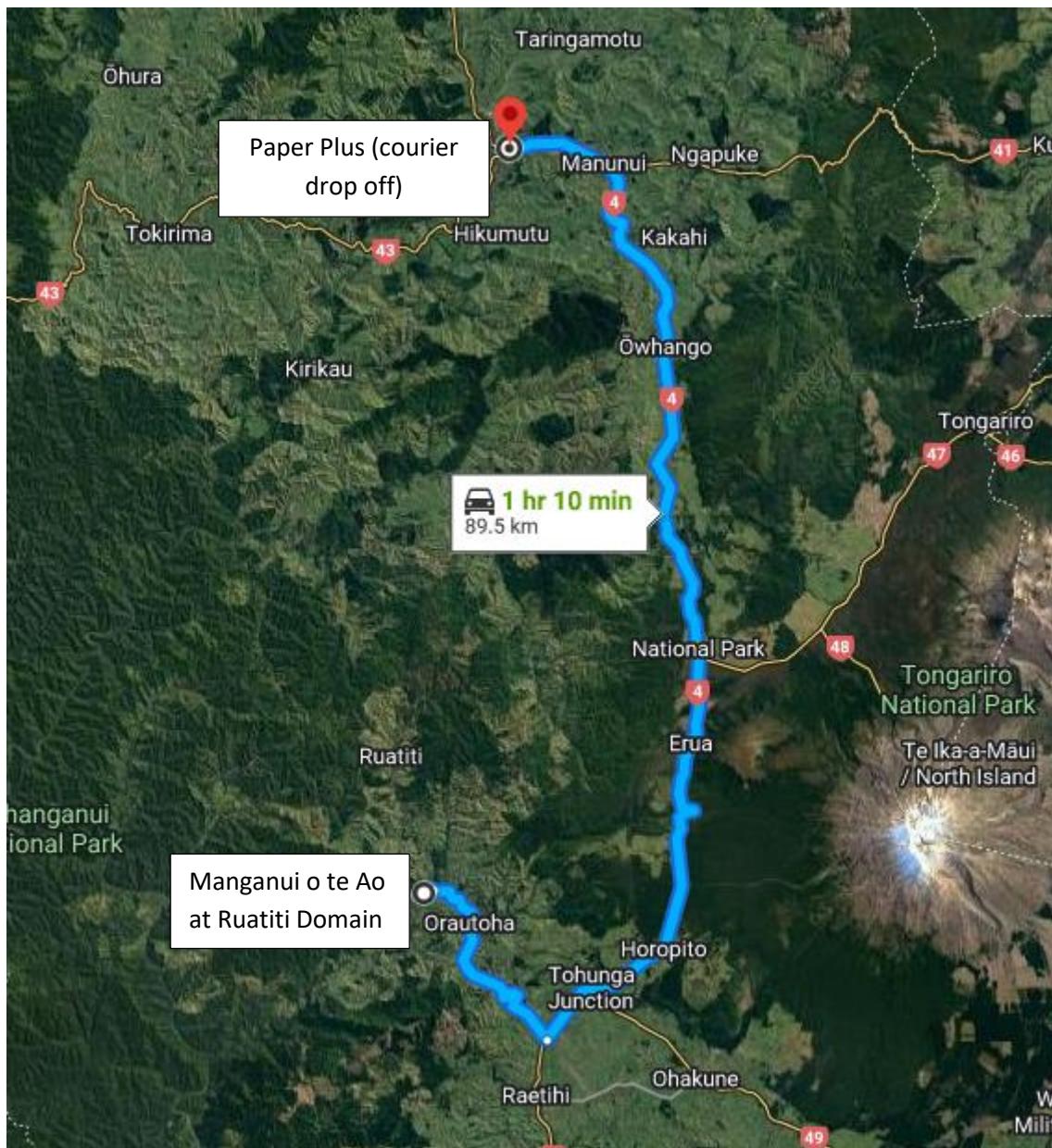


01/12/2016

Turn off into Ruatiti Domain.



Courier drop-off in Taumarunui (around 1hr 10 mins to Paper Plus)



POSSIBLE SITE HAZARDS (this does not negate undertaking a hazard review prior to sampling on the day):

Traffic / Vehicle Movements	UV Radiation	Trip hazards	Weather/Temperature Extremes
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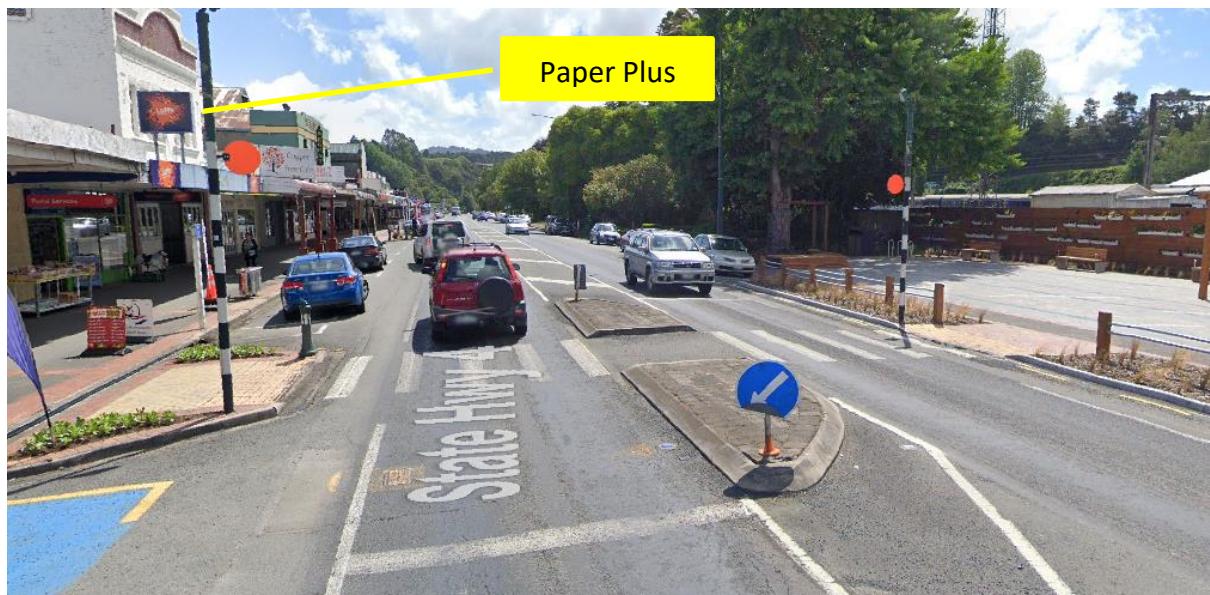
REQUIRED PPE (in accordance with above hazards – this does not negate undertaking a hazard review prior to sampling on the day and/or using additional PPE if deemed necessary):

WORK BOOTS / WADERS	SUNSCREEN & HAND SANITISER	PERSONAL LOCATOR BEACON	HI-VIS	VHF RADIO			

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:



- From site, turn right onto Moore Street then left onto SH49.
- Follow SH49 out of Ohakune until you reach the Tohunga Junction and turn right here.
- Stay on SH4 for around 50mins, through into Taumarunui. Go past the train station.
- The courier leaves from Paper Plus, which is on the left. It's just after Manuaute St.
- **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.**

