

Trip management plan:

Tarawera River, Grade 1-3

Total length of trips:

- Easy float trip (Access 1 – Access 3) 3 km
- Short Whitewater Trip (Access 2 – Access 4) 2km
- Longer Whitewater trip (Access 1 – Access 4) 3.5km. (Access 1 – Access 5) 4.5km

Key

Escape options:

#1 ——— Access track along river

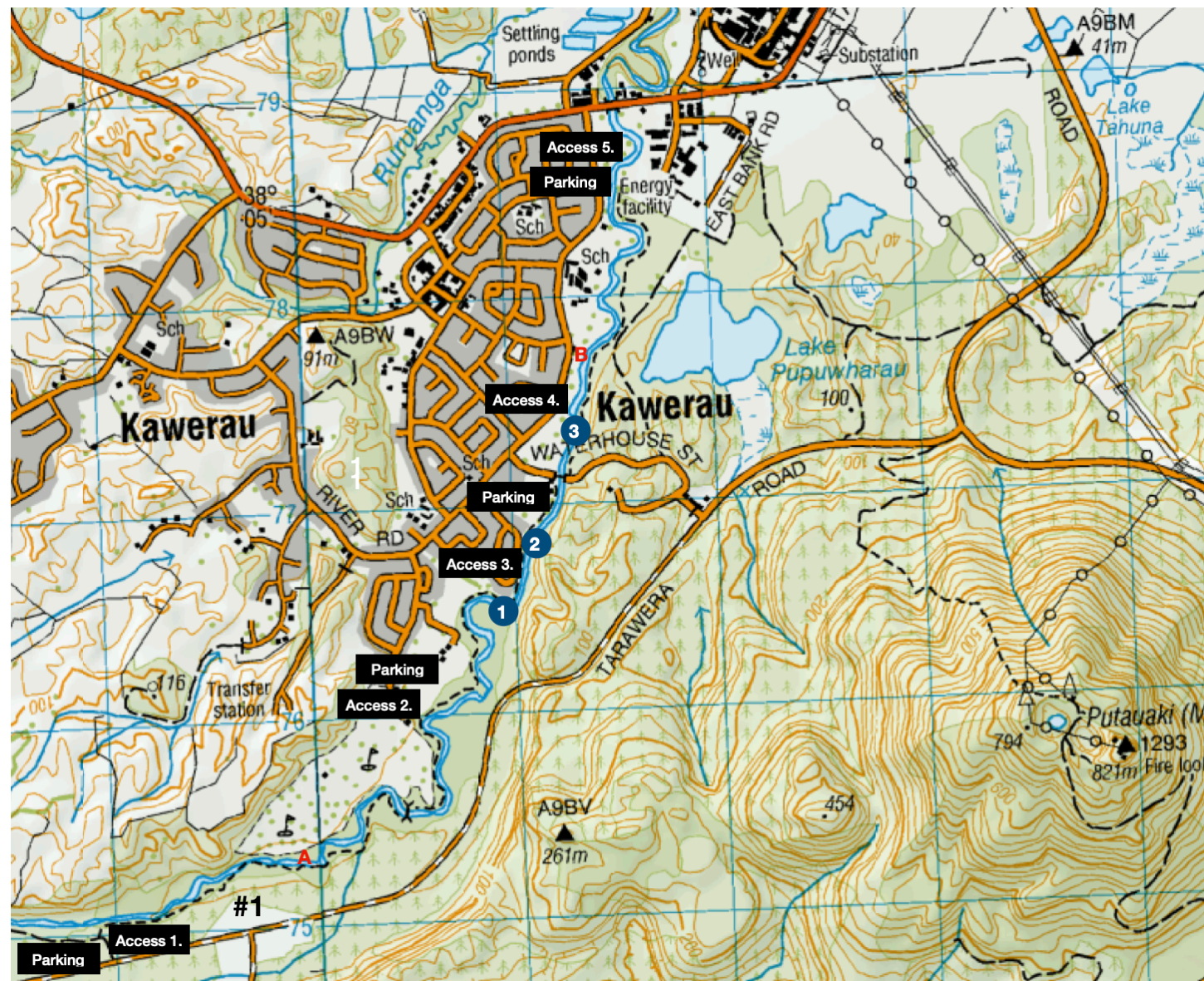
Major known hazards:

A. Willows along riverbank

B. Low hanging tree river left

Rapid locations:

1



=Key Operational Information

Activity	Whitewater and scenic riverbugging. Grade 1 sections: Access 1, 2 & 3 and Access 4 – Access 5. Easy float trips suitable for younger children. Grade 2/3 section: Access 1 – Access 3 (Golf Club to below Rapid 3). Easy moving water, fun rapids with some waves and stoppers, and one technical grade 2/3 rapid	Location	Kawerau, Eastern Bay of Plenty
Communication equipment and coverage	Cell phone x 2 or Cell phone and satellite messaging device Cell coverage	Access permission information	Access 1 is via Tarawera Road (administered by Māori Investments), Coordinates: -38.114473, 176.686617 . Access 2 is via a walking track on council owned land with public access Location: Kawarau Golf & Squash Club, Cobham Drive, Kawerau 3127, Coordinates: -38.104196, 176.699160 Access 3 via Porrit Drive, Kawerau, Coordinates: -38.098180, 176.706229 . Access 4 is via council owned park, Coordinates: -38.093259, 176.709209 . Access 5 is via a council owned park, location: access opposite 27 River Road Kawarau, 3127, Coordinates: -38.081409, 176.710449
Specific operation policies	Key operation policies for the activity: Operating flows: < 40 m ³ /s https://envdata.boprc.govt.nz/Data/DataSet/Chart/Location/IL891937/DataSet/Discharge/Primary/Interval/Latest <ul style="list-style-type: none">• Participant screening: Grade 1 sections ≥ 5 years, ≤ 130 kg, fit and able. Grade 2/3 section ≥ 125cm tall, ≤ 120 kg, fit and able, can swim.• Participant : Guide Ratio: 7 : 1 (solo guide) 16 : 2 (2 guides) Ratio will be adjusted down relative to participants' ability to participate safely in the activity, taking into account factors such as: physical condition, special needs and language/comprehension difficulties.• Guide positioning: Lead guide – leads from the front, may change order if advantageous, keep participants in view. Second guide – sweeps from behind, if advantageous, keep participants in view.	Other information relevant to activity	The Tarawera River has few tributaries upstream of Kawerau and maintains a stable flow from it's source at Lake Trawera. High water clarity and quality.

Equipment	Participant Equipment <ul style="list-style-type: none"> Grade 1 section: Riverbug, wetsuit, booties, PFD, gloves, fins Grade 2/3 Section: Riverbug, wetsuit, booties, PFD, helmet, gloves, fins Guide Equipment <ul style="list-style-type: none"> Provided: Booties, Fins, Gloves Required: Wetsuit/drysuit, Helmet, PFD with cows tail & whistle, river knife, throw bag, cell phone, 	Participant Briefing	<ul style="list-style-type: none"> Language/comprehension difficulties? Physical/medical problems? Medication? Glasses or contact lenses? Disclosure of risks River signals: Help & OK, go/direction, stop, feet-up, attention/emergency, Safety technique: Whitewater swimming, self rescue, rafting-up, hazards Paddling technique: forwards, backwards, turning, hold-on, balance/weight shift Other users: Stay out of the way of other craft, let faster craft through. Location of emergency equipment, Emergency Response Card and how to use the communication devices. Procedure in case of incapacitated guide. Location of our Emergency Plan.
Previous relevant incidents	No known incidents	Escape options	Foot access along a good walking track beside the river (#1). Vehicle access at Access point 1, and between Access 2–5 through public park. Good heli-vac access the length of the run
Specific emergency equipment required	<ul style="list-style-type: none"> Throw bag First aid kit Pruning saw 	Emergency response	111 St John 0800 7485646 Whakatane Hospital 07 306 0999 Whakatāne Police 07 308 5255 <ul style="list-style-type: none"> Emergency procedures refer to the Emergency Response Card

<p>Key Emergency Procedures –</p> <p>Code GREEN: Minor, can complete trip or evacuate by foot</p>	<p>Participants treated and able to safely continue (Examples: Mild reaction to insect stings, minor asthma attack, dislocated finger contusions). Emergency strategy – refer to the Emergency Response Card.</p> <p>One Guide Trips:</p> <ul style="list-style-type: none"> • Call management or back-up person, or send Code GREEN message if no Cell • Continue the trip. Participant(s) who required treatment are monitored, keep them close to, and assisted by guide as necessary • Arrange any further care as needed. <p>Two Guide Trips:</p> <p>In addition to the procedures for one guide trips, the 2nd guide will:</p> <ul style="list-style-type: none"> • 2nd guide assists with the emergency and group management • 2nd guide accompanies participants in any escape route evacuation while lead guide continues trip with remaining participants if safe to do so 	<p>Key Emergency Procedures –</p> <p>Code OR-ANGE: not life threatening, but requires evacuation</p> <p>Options: 1. By foot 2. Helicopter</p>	<p>Participants treated are stable but not able to safely continue. (Examples: minor fractures, lacerations, mild hypothermia) The remaining participants may continue trip if safe to do so once evacuation is complete. Emergency strategy – refer to the Emergency Response Card..</p> <p>One guide trips:</p> <ul style="list-style-type: none"> • Call management or back-up person, or send Code ORANGE message if no Cell • Evacuate patients from emergency site. Evacuate rest of group if not safe to continue. • If safe to do so: Continue to nearest escape route with remaining participants and evacuate group by foot, or complete the trip. • Contact: management/back-up person as soon as have cell coverage <p>Two Guide Trips:</p> <ul style="list-style-type: none"> • 2nd guide assists with the emergency and group management • 2nd guide manages any evacuation by foot while Lead guide monitors patient
<p>Key Emergency Procedures –</p> <p>Code RED: life threatening, immediate evacuation</p> <p>Options: 1. Helicopter 2. Foot</p>	<p>Participants treated are in a serious condition. (Examples: severe anaphylactic shock, compound fractures, severe head trauma) The remaining participants should also be evacuated from emergency site if possible. Emergency strategy – refer to the Emergency Response Card.</p> <p>One guide trips:</p> <ul style="list-style-type: none"> • Call management or back-up person, or send Code RED message if no Cell • Heli-vac patients from emergency site • Evacuate rest of group from the emergency site • Manage the group and ensure everyone is OK <p>Two Guide Trips:</p> <ul style="list-style-type: none"> • 2nd guide assists with the emergency and group management • 2nd guide manages any evacuation by foot while Lead guide monitors patient 	<p>Overdue trips</p>	<p>Trips are considered overdue when:</p> <ul style="list-style-type: none"> • Trips fail to check-in with management or back-up person within 1 hour from expected arrival at take out point <p>Procedure for overdue trips</p> <ul style="list-style-type: none"> • Management or back-up person calls guides' cell phone • Management or back-up person tracks trips progress • If trip as been stationary for over 45 minutes and no emergency activation has been received, call emergency services

Vehicle shuttles procedure	<p>When running vehicle shuttles ensure:</p> <ul style="list-style-type: none"> • Participants' change of clothes are in the vehicle • Keys to the vehicles are available • Vehicles are parked correctly • Safe driving practices 	Incapacitated solo guide	<p>Procedures for incapacitated solo guides</p> <ul style="list-style-type: none"> • Location of First Aid, Emergency Response Card, and communication equipment • Stop the trip in a safe place and assist the guide, provide First Aid. Stay together • Notify Emergency services • Cell Phone is unlocked Dial 111 and state emergency. Or if no cell coverage activate Satellite Messaging device by pressing the Emergency button. • Keep group together and wait for emergency services.
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Safety Management

Map key reference	Significant Hazard	Management Strategy
A	Tree hazards on left & right riverbank between Access 1 and Access 3. Can be easily avoided. (Assessed by Don Allardice 19.06.22)	Direct participants away from hazard
B	Leaning tree hazard river left at access 3 below Rapid 3. Capsize and possible pin strainer potential. Can be avoided. (Assessed by Don Allardice 10.09.20)	Direct participants away from hazard or raft up and keep group right of hazard
	Rapids / Access Description and Details	Management Strategy
Access 1	Access to river via Tarawera Rd.	Care walking on track, pfd's and helmets worn, briefing and skills practice at put in pool.
Access 2	Access to river via walking track from Golf Club	Care walking on track, pfd's and helmets worn, briefing and skills practice at put in pool.
1	Small Grade 1+ rapid on sweeping left hand curve. Run-out leading into entry of Rapid 2.	Keep group left to inside of curve and eddy out river left below rapid for portage or scouting Rapid 2.
2	Longer grade 2/3 rapid with bigger waves, more obstacles, gradient and faster current speeds. River splits into 2 channels around a small island. Can run both channels, left side is more straight forward.	Portage, raft-up with clients, or run one at a time.
Access 3	Access to river by Firmin Lodge upstream of Slalom site.	Keep group left to eddy out after running Rapid 2. Care walking on track, pfd's and helmets worn.

3	Slalom site rapid. Easy Grade 2 with a stopper, small waves and eddies	Truck-and -trailer or one at a time
Access 4	Put-in / take-out access below Rapid 3 (Slalom site)	Keep group left to eddyout after running Rapid 3. Care walking on track, pfds and helmets worn.
Access 5	Take-out access for easy Grade 1 section	Keep group left to eddyout at end of trip. Care walking on track, pfds and helmets worn.
Natural Emergencies / Disasters		
	Major Earthquake	<p>*Prior to trip: Do not run trip until section is scouted for new hazards and cleared as safe to do so.</p> <p>*During trip: Evacuate immediately</p>
	Forest Fire	<p>*Prior to trip: Do not run trip if known forest fire could put group in danger (smoke, heat, flames, flying embers)</p> <p>*During trip: Continue trip to take out point only if safe to do so. If not safe to continue, seek shelter from danger (smoke, heat, flames, flying embers) and evacuate ASAP.</p>
	Flash Flood during trip	*Evacuate from river to safety of high ground as soon as possible.
Approved by: Don Allardice		Date: 06.07.2022 Review due: July 2023, or: if hazard changes, trends emerge, there's a reportable incident