

**2017
UIM WORLD
JET BOAT MARATHON
NEW ZEALAND**

ADVANCE PROGRAMME

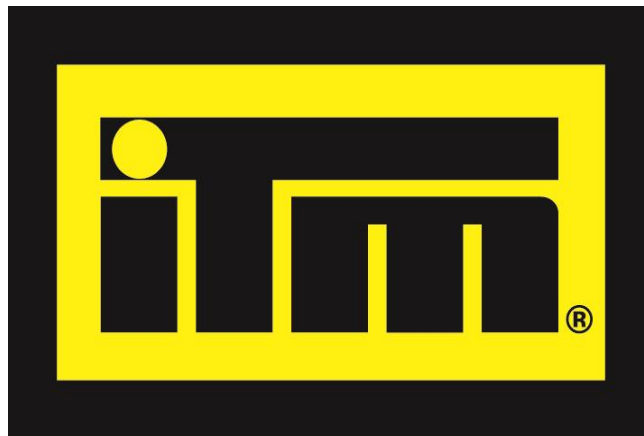
PRESENTED BY:

NZ JET BOAT



RIVER RACING ASSOC.

Welcome to the **2017 World Jet Boat Marathon**, sanctioned by the New Zealand Jet Boat River Racing Association, with the support of the Canterbury, Otago & Southland Branches of Jet Boating New Zealand



PRINCIPAL SPONSOR JET BOAT RIVER RACING

REGISTRATION

A copy of the official registration form is attached to this programme; the form will be posted on all major racing forums under marathon racing:

- www.nzjbrra.co.nz
- www.jetboatingnz.co.nz

Registration Forms can be requested from John Derry, Race Organiser
(johnderry36@gmail.com)

The entry fee shall be NZ\$2,000.00 *before* 13th September 2017 and NZ\$2,500.00 per boat *after* 13th September 2017.

You can enter online www.nzjbrra.co.nz under "members" note race event is the "NZ marathon" and date is the 13th October.

Cheques shall be made payable to: NZJBRRR Marathon Account or

Via Internet Banking

Bank Details

Account Name: NZJBRRR Marathon Account

Account Number: 03 1351 0528899 02

Overseas Racers can pay the race organiser before the event, once in NZ.

Entry must be paid in full before Friday 13th Briefing at the cost of \$2,000.00 NZ, late fee does not apply to overseas racers.

Pre-registration will be accepted by mail or email to:

2017 NZ Jet Boat Marathon

Aaron Morrison

8 Chevron place

Ilam

Christchurch 8041

New Zealand

Email to: aaron@orangehomes.co.nz

Pre Race Registration will take place at ITM Kaiapoi on Friday the 13th October from 4.00pm till 7.00pm

For Overseas racers and navigators that need to join the membership of Jet Boating New Zealand (JBNZ) and New Zealand Jet Boat River Racing Association (NZJBRRR) please make contact with - Bev Owen Cooper, Ph: +64 3 315 6694 Email bevbrick@xtra.co.nz

2017 UIM WORLD JET BOAT MARATHON PROGRAMME
13th – 21st OCTOBER 2017

Friday 13th October

Registration & Tech Inspection 4.00pm till 7.00pm
At ITM Kaiapoi
Refer current year book pages 107-109 - Equipment, and page 123 - Check List

BRING YOUR LOG BOOK

Saturday 14th October

Boat show from 9.00am till 11.00am at the Waimakariri river

Waimakariri River

River Class: Class 1 & 2 Shingle/Rocks/Trees

Leg 1:	<u>Criterium:</u>	Circuit Race
Briefing:	11.00 am	Waimakariri Launch Site (All Classes)
Start Time:	12.00 pm	in Groups
Finish Line:		Distance approx 50 km
River cleared		6.00 pm

CRITERIUM LEG CUT OFF TIMES

<u>Criterium</u>	
Unlimited:	40 Mins
A Class:	43 Mins
CX Class:	48 Mins
FX Class:	50 Mins

Should a boat not finish the criterium leg, that boat would receive a penalty time only, not a DNF. This would keep them in contention for overall. Time to be slowest in class + Time Penalty.

Sunday 15th October
Waimakariri River

River Class: Class 1 Rocks/Braided/Shallows/Trees

Leg 2: **Upstream** State Highway 1 Ramp to Waimak Gorge

Briefing:	9.00 am	SH1 Ramp (All Classes)
Start Time:	10.00 am	SH1 Ramp at 1 min intervals
Finish Line:	Waimak Gorge	Distance approx 70 km
River cleared		12.00 pm

Leg 3: **Downstream** Waimak Gorge to State Highway 1 Ramp

Briefing:	12.00 pm	Waimak Gorge (All Classes)
Start Time:	1.00 pm	Waimak Gorge at 1 min intervals.
Finish Line:	SH 1 Ramp	Distance approx 70 km
River Cleared		3.00 pm

DNF CUT OFF TIMES

Upstream

Unlimited:	54 Mins
A Class:	55 Mins
CX Class:	56 Mins
FX Class:	60 Mins

Downstream

Unlimited:	54 Mins
A Class:	55 Mins
CX Class:	56 Mins
FX Class:	60 Mins

Monday 16th October
Waiau River

River Class: Class 1 & 2 Shingle/Rocks/Gorges

Leg 4: **Upstream** Spotswood to Hanmer Ferry Bridge

Briefing:	9.00 am	Spotswood (All Classes)
Start Time:	10.00 am	Spotswood at 1 minute Intervals
Finish Line:	Hanmer Ferry Bridge	Distance approx 105 km
River cleared		12.00 pm

Leg 5: **Downstream** Hanmer Ferry Bridge to Spotswood

Briefing:	12.00 pm	Hanmer Ferry Bridge (All Classes)
Start Time:	1.00 pm	Hanmer Ferry Bridge at 1 min intervals
Finish Line:	Spotswood	Distance approx 105 km
River cleared		3.00 pm

DNF CUT OFF TIMES

Upstream

Unlimited:	65 Mins
A Class:	68 Mins
CX Class:	70 Mins
FX Class:	73 Mins

Downstream

Unlimited:	65 Mins
A Class:	68 Mins
CX Class:	70 Mins
FX Class:	73 Mins

Tuesday 17th October
Rakaia River

River Class: Class 1 Shingle/Braided

Leg 6: **Upstream** Rakaia Lagoon to Rakaia Gorge Bridge

Briefing: 9.00 am Rakaia Lagoon (All Classes)
Start Time: 10.00 am Rakaia Lagoon at 1 min intervals
Finish Line: Rakaia Gorge Distance approx 85 km
River cleared 12.00 pm

Leg 7: **Downstream** Rakaia Gorge Bridge to Rakaia Lagoon

Briefing: 12.00 pm Rakaia Gorge Bridge (All Classes)
Start Time: 1.00 pm Rakaia Gorge Bridge at 1 min intervals.
Finish Line: Rakaia Lagoon Distance approx 85 km
River Cleared 3.00 pm

DNF CUT OFF TIMES

Upstream

Unlimited: 58 Mins
A Class: 61 Mins
CX Class: 63 Mins
FX Class: 65 Mins

Downstream

Unlimited: 58 Mins
A Class: 61 Mins
CX Class: 63 Mins
FX Class: 65 Mins

Wednesday 18th October
Waitaki River

River Class: Class 1 Shingle/Braided/Trees

Leg 8: **Upstream** Te Maiharoa Rd to Kurow

Briefing: 8.00 am Te Maiharoa Rd (All Classes)
Start Time: 9.00 am Te Maiharoa Rd at 1 min intervals.
Finish Line: Kurow Distance approx 60 km
River cleared 11.00 am

Leg 9: **Downstream** Kurow to Te Maiharoa Rd

Briefing: 11.00 am Kurow Boat Ramp
Start Time: 12.00 pm Kurow Boat Ramp at 1 min intervals.
Finish Line: Te Maiharoa Rd Distance approx 60 km
River cleared 2.00 pm

DNF CUT OFF TIMES

Upstream

Unlimited: 48 Mins
A Class: 51 Mins
CX Class: 52 Mins
FX Class: 54 Mins

Downstream

Unlimited: 48 Mins
A Class: 51 Mins
CX Class: 52 Mins
FX Class: 54 Mins

Thursday 19th October
LAY DAY

Friday 20th October
Matukituki River

River Class: Class 1 Shingle/Braided/Trees

Leg 10: **Upstream** Glendhu Bay to Beech Forest

Briefing:	8.00 am	Glendhu Bay (All Classes)
Start Time:	9.00 am	Glendhu Bay at 1 min intervals.
Finish Line:	Beech Forest	Distance approx 51 km
River cleared		10.30 am

Leg 11: **Downstream** Beech Forest to West Wanaka Bridge

Briefing:	10.30 am	Beech Forest
Start Time:	11.00 am	Beech Forest at 1 min intervals.
Finish Line:	West Wanaka	Distance approx 40 km
River Cleared		12.45 pm

DNF CUT OFF TIMES

<u>Upstream-Glendhu Bay</u>		<u>Upstream-West Wanaka</u>		<u>Downstream</u>	
Unlimited:	40 Mins	Unlimited:	33 Mins	Unlimited:	33 Mins
A Class:	42 Mins	A Class:	34 Mins	A Class:	34 Mins
CX Class:	43 Mins	CX Class:	35 Mins	CX Class:	35 Mins
FX Class:	45 Mins	FX Class:	36 Mins	FX Class:	36 Mins

Please note: cut off times for upstream leg will depend on lake conditions as start line will be moved to West Wanaka if Lake Wanaka is Rough

Clutha River

River Class: Class 1-3 Shingle/Rocks/Trees

Leg 12: **Downstream** Outlet to Old Cromwell

Briefing:	1.30 pm	Outlet Ramp (All Classes)
Start Time:	2.00 pm	Outlet at 1 min intervals
Finish Line:	Old Cromwell	Distance approx 72 km
River cleared		4.00 pm

DNF CUT OFF TIMES

<u>Downstream-Old Cromwell</u>		<u>Downstream-Bendigo Ramp</u>	
Unlimited:	49 Mins	Unlimited:	44 Mins
A Class:	51 Mins	A Class:	45 Mins
CX Class:	52 Mins	CX Class:	46 Mins
FX Class:	55 Mins	FX Class:	48 Mins

Please note: cut off times for this leg will depend on lake conditions as finish line will be moved to Bendigo Ramp if Lake Dunstan is rough.

(All Race & Pleasure Boats must be checked & cleaned for Lagrosiphon)

Saturday 21st October Dart River

River Class: Class 1-2 Shingle/Braided/Rocks

Leg 13: **Upstream** Glenorchy Ramp to Beansburn

Briefing: 8.00 am Glenorchy Ramp (All Classes)
Start Time 8.30 am Glenorchy Ramp at 1 min intervals.
Finish Line: Beansburn Distance approx 35 km
River Cleared 9.45 am

Leg 14: **Downstream** Beansburn to Glenorchy Ramp

Briefing: 9.45 am Beansburn (All Classes)
Start Time 10.15 am Beansburn at 1 min intervals.
Finish Line: Glenorchy Ramp Distance approx 35 km
River Cleared 11.30 am

DNF CUT OFF TIMES

Upstream

Unlimited: 33 Mins
A Class: 34 Mins
CX Class: 35 Mins
FX Class: 36 Mins

Downstream

Unlimited: 33 Mins
A Class: 34 Mins
CX Class: 35 Mins
FX Class: 36 Mins

Kawarau/Shotover River

River Class: Class 1-2 Shingle/Braided/Rocks/Gorges

Leg 15: **Upstream** Queenstown Bay to Tuckers Beach

Briefing: 1.00 pm Frankton Marina (All Classes)
Start Time 1.30 pm Q Town Bay mass start in groups
Finish Line: Tuckers Beach Distance approx 25 km
River Cleared 2.45 pm

Leg 16: **Downstream** Tuckers Beach to Frankton Marina

Briefing: 2.45 pm Tuckers Beach (All Classes)
Start Time 3.00 pm Tuckers Beach at 1 min intervals.
Finish Line: Queenstown Bay Distance approx 25 km
River Cleared 4.15 pm

DNF CUT OFF TIMES

Upstream

Unlimited: 27 Mins
A Class: 28 Mins
CX Class: 29 Mins
FX Class: 30 Mins

Downstream

Unlimited: 27 Mins
A Class: 28 Mins
CX Class: 29 Mins
FX Class: 30 Mins

CLASSES

- **Unlimited** above 7701 cc (jet turbines included in this class)
- **A Class** from 0 to 7700 cc
- **CX Class** up to 6424 cc
- **FX Class** up to 5740 cc

UNLIMITED CLASS

- Hull any shape or material with a minimum length of 16 feet (4.88m)
- Unlimited engine restrictions or modifications, any exhaust c/w mufflers—the use of an efficient muffler is required. The maximum noise level is 95 decibels. It will be compulsory that all boats have one at all times during practice and during the race.
- Mufflers are not required on turbine engines
- Propulsion –Any type of jet drive
- **Roll Bar:** Well braced and mounted steel tube (chrome moly or aluminium tube can also be used with the minimum diameters and structure indicated previously in this rule).

A CLASS

- Hull any shape or material with a minimum length of 16 feet (4.88m)
- Engine displacement— 0 to 7700 cc— shall not exceed 470 cubic inches (7700 cc)
- Superchargers, blowers & turbos are allowed at 1.8 x cubic inch ratio
- Engine shall use gasoline for fuel, any exhaust c/w mufflers—the use of an efficient muffler is required. The maximum noise level is 95 decibels. It will be compulsory that all boats have one at all times during practice and during the race.
- Propulsion – Any type of jet drive
- **Roll Bar:** Well braced and mounted steel tube (chrome moly or aluminum tube can also be used with the minimum diameters and structure indicated previously in this rule).

CX CLASS

- For the "CX" Class the engines allowed to race are Small Block Chevrolet (CX 100-200 series numbers) or equivalent. The race boats must be within the following specifications:
- **Hull:** Any type of hull design and material.
- **Length of the Hull:** The minimum dimensions are 4.88m (16ft)
- **Roll Bar:** Well braced and mounted steel tube (chrome moly or aluminum tube can also be used with the minimum diameters and structure indicated previously in this rule).
- **Engine Type:** 8 Cylinder, normally aspirated. ("Naturally aspirated")?
- **Engine:** Chevrolet LS3 (376ci) stock crate engine 480, 515 or CT525
- **Cylinder Bore:** No overbore is allowed. No block can be sleeved in the bore
- **Cylinder Heads:** Factory stock heads, no aftermarket or machining is allowed.
- No valve seats, milling head, polishing and/or port work of any kind is allowed.
- **Long Block:** There is to be **NO** polishing, porting, grinding, cutting, filing, sanding or change to the state or shape of any factory casting, forging or material used in the engine.
- **Oil Pump:** No dry sump or vacuum pumps are allowed.

- **Oil Pan, Valve Covers and Fluid Damper:** Any Type, the oil pan can be of a larger capacity.
- **Ignition/Distributor:** Any type.
- **Intake Manifold:** No aftermarket intake manifolds are allowed. No port matching on the intake manifold is allowed.
- **Carburetor:** Any type or the factory crate engine fuel injection system are allowed.
- **Fuel Injection:** Factory GM manifold with aftermarket throttle body
- **Exhaust system:** Any type, mufflers are recommended
- **Engine Rebuilding:** In situations where the integrity of the motor has been compromised a rebuild is allowed. This requires the use of factory parts with part numbers matching those of the crate motors parts list. All work is to be undertaken leaving all tolerances within normal factory guidelines. There is still NO machining allowed.
- Random testing of engines will take place.
- **Fuel:** Gasoline only. AV gas is allowed to be used in this class
- **Propulsion:** Any type of jet drive, it can be modified.

FX CLASS

- "FX Class" the engines allowed to race are Small Block Chevrolet (FX 1-49 series numbers) or equivalent. The race boats must be within the following specifications:
- **Hull:** Any type of hull design and material.
- **Length of the Hull:** The minimum dimensions are 3.96m (13ft)
- **Roll Bar:** Well braced and mounted steel tube (chrome moly or aluminum tube can also be used with the minimum diameters and structure indicated previously in this rule).
- **Engine Type:** 8 Cylinder, normally aspirated. ("Naturally aspirated")?
- **Engine:** Chevrolet ZZ4 Crate Engine (part number 24502609) with a maximum displacement of 5740cc or the ZZ5 Crate Engine (part number 19301294) with a maximum displacement of 5740cc or the CT350 Crate Engine (part number 19258602) with a maximum displacement of 5740cc or the SP350 Crate Engine (part number 19333157) with a maximum displacement of 5740cc. **NOTE –** Factory upgrade kits are not allow to be run, no roller rockers.
- **Cylinder Bore:** No overbore is allowed. No block can be sleeved in the bore
- **Cylinder Heads:** Stock GM ZZ4, SP350 cast aluminum or CT350 Vortec Iron, no aftermarket cylinder heads are allowed. No valve seats, milling head, polishing and/or port work of any kind is allowed.
- **Long Block:** There is to be **NO** polishing, porting, grinding, cutting, filing, sanding or change to the state or shape of any factory casting, forging or material used inside the engine.
- **Oil pump:** no dry sump or vacuum pumps are allowed.
- **Oil Pan, Valve Covers and fluid damper:** Any type, the oil pan can be of a larger capacity.
- **Ignition/Distributor:** Any type.
- **Intake Manifold:** No port matching on the intake manifold is allowed.
- **Carburetor:** Any type not exceeding 750 CFM
- **Exhaust system:** Any type

- **Engine Rebuilding:** In situations where the integrity of the motor has been compromised a rebuild is allowed. This requires the use of factory parts with part numbers matching those of the crate motors parts list. All work is to be undertaken leaving all tolerances within normal factory guidelines. There is still NO machining allowed. No swapping of engine parts from one crate engine to another, for example ZZ4 heads onto a CT350. Factory upgrade kits are not allowed to be run, no roller rockers.
- Random testing of engines will take place
- **Fuel:** Gasoline only. AV gas is allowed to be used in this class
- **Propulsion:** Any type of jet drive

2017 UIM WORLD JET BOAT MARATHON

13th – 21st October 2017

Send Entry and fee to:

Aaron Morrison
8 Chevron place, Ilam
Christchurch 8041
Ph 027 4327 028
Email:
aaron@orangehomes.co.nz

Please accept my entry for the 2017 UIM World Jet Boat Marathon

I enclose my entry fee and agree to abide by the 2017 JBNZRRRA Rules along with rules as listed in the advanced programme and conditions of entry.

Crew Details:

Drivers Name:				Current First Aid Certificate:	
Navigator's Name:				Current First Aid Certificate:	
Race Number:		Class Entered:		JBNZ Rego:	
Sponsors details:					
Address:					
Email Address:					
Phone – Home:				In Boat Cell #	
Phone – Work:				Tow Vehicle Cell#	

We agree to the indemnity conditions overleaf:

Driver's Name:		Engine:	
Signature:		Engine CC:	
Navigator's Name:		Race Class:	
Signature:		Helicopter for event:	

Entry Fee: All Classes NZ\$2,000.00

Entries Close: 13th Sep 2017

Entry Fee for all entries received after 13th Sep 2016: NZ\$2,500.00

Payment can be made by Direct Credit or Cheque, if you **direct credit please use your name and race # as a reference** and email the entry form to **aaron@orangehomes.co.nz**, or post entry & fee to the address at top of this form.

Make **cheques** payable to **New Zealand Jet Boat River Racing Assn** or Direct credit into

Bank Details

Account Name: NZJBRRRA Marathon Account
Account Number: 03 1351 0528899 02

Payment made by:

Overseas Racers can pay the race organiser before the event, once in NZ.

Entry must be paid in full before Friday 14th Briefing at the cost of \$2,000.00 NZ, late fee does not apply to overseas racers.

Classes - Unlimited, A, CX, FX

If there is not 3 or more entries in a race class, entries will be moved up to the next class.