

Manawatu Amateur Radio Society

Branch 20

Warren Crawley: ZL2FE / ZL2JML

Introduction

- Going Mobile ZL On the air and SOTA, an overview?
- SOTA a little deeper
- ZL On The Air a little deeper
- Alerts and Spotting apps, Facebook and websites
- Frequencies, Websites and Facebook
- What's next,
- Conference

Going Mobile – how?

- •SOTA Summits on the Air
- Lakes on the air
- Parks on the air
- Huts on air
- •Islands on the air
- Lighthouses on the air

Why?

ZL on the air

- Lakes
- WWFF Parks, POTA Parks and Reserves
- Islands
- Lighthouses
- Huts

Award Program

- Activator Awards
- Chaser Awards











Islands on the Air 1295 Islands

SQL PRE ATT AN ACC-SLOW SETTING SETTIN

QRP Award



Summits on the Air

5226 Summits

Award Program

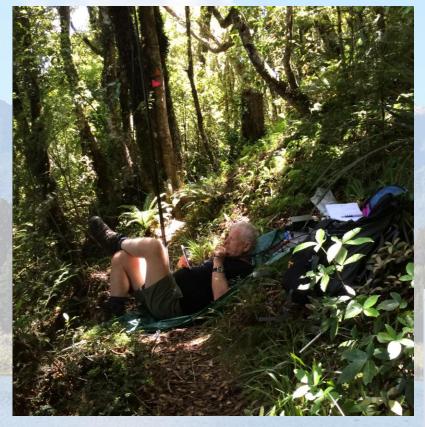
- Activator Awards
- Chaser Awards

Tables

- Activator table
- Chaser table
- Summit to Summit table
- Unique summits
- Many Other tables

Summits on the Air

- SOTA is the true test of "can I communicate with others with no prepared infrastructure" handy if you are into disaster comms.
- SOTA is the ultimate in outdoor radio it often involves hiking up hills and mountains
- SOTA is great for fitness the summits usually involve some sort of climb
- SOTA has the best (and worst) shacks with spectacular views
- Comradery



Summits on the Air



- Some take days to access
- Some you can drive to
- Quite often in a park

- Summits must meet certain geological characteristics
- Points value 1 to 10

SOTA - Activators

 Those who go to the summits and operate a portable station.

To activate you need a minimum of 4 contacts.

 A summit can only be activated once every calendar year

Summits have points values based on elevation



SOTA - Chasers

A Chaser responds to an activators CQ

- A Chaser can chase the same summit every 24 hours
- A chaser can be in the shack or on another summit

















Alerts and Spots

Alert

- Alerts are telling others you are going out in the outdoors
- Use Apps, Websites, Facebook and email
- Date, time, location, frequency and mode

Spot

- Spots are telling others you are about to activate or advising others that someone else is activating
- Sometime there is no ability to
 Spot alert times need to be
 accurate

Apps – iOS and Android





SOTA Activator



SOTA Spotter

Facebook

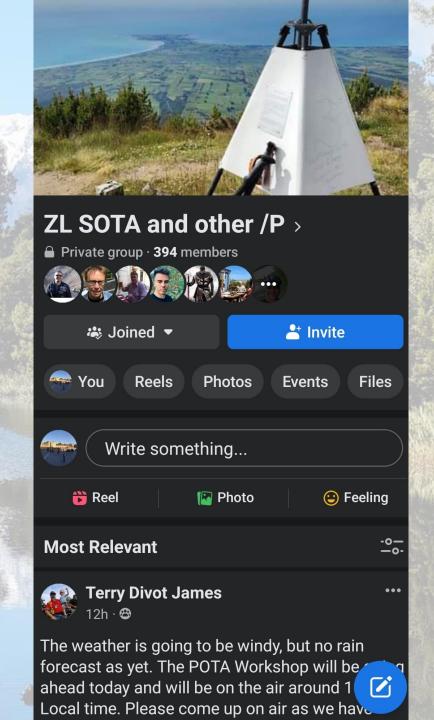


Rick Jackson



🕗 · 1d · 😂

Tomorrow (Saturday) I will be at Mount Thomas Conservation Area, ZLFF- 0041, ZL-0173, hopefully grv 10:00 local time. I'll be at the Wooded Gully Campsite which a D.O.C. controlled one & as such qualifies as a campsite for the NZART DOC Lands Award. Normal POTA frequencies 40, 20 & 15m. If the weather is ok I'll keep going till well after rollover. ZL3RIK



Websites - Alerts



16 Apr 2023 **08:03 UTC** 20:03 local

SOTA Links ▼

ZL2JML ▼



SPOTS

ALERTS

Showing 300 alerts.

Settings

Add Alert

Saturday 15 April 2023

20:15	AE1MS/P on W4V/GC-015 w/AE1JS; 2023 SOTA Kentucky Workshop. (<i>Posted by AE1MS</i>)	146.52-fm, 7.188-ssb, 14.347-ssb
20:30	VE6VID/W7 on W7A/CS-039 (Posted by VE6VID)	7.185-ssb, 14.343 -ssb, 146.52-fm
21:00	HI8GP on HI/CI-010 Panamerican SOTA Weekend 2023. POTA HI-0004 (Posted by HI8GP)	14.290-ssb, 146.520-fm
21:00	K7AHR on W7O/NC-112 (Posted by K7AHR)	146.58-fm, 7-cw, 18-cw,28-cw
21:00	W7DLZ on W6/NS-278 QRP (Posted by W7DLZ)	7.060, 14.060, 21.060 cw

Reflector Latest

SOTAData3

by VK3ARR, #9 by VK1DA, 1 min ago

SP15SOTA award to celebrate 15

by SYSTEM, #22 by M0JKS, 10 hours ago

6m QSO/S2S anyone?

by M0JKS, #7 by M0JKS, 10 hours ago

LoRa APRS Tracker

by ON6ZQ, #42 by M0JKS, 10 hours ago

Log upload (manual) error messa

by 2E0JWA, #7 by 2E0JWA, 10 hours ago

It's time to activate your first SO1

by WA7JNJ, #2 by WU7H, 13 hours ago

Dusted off the Ten-Tec Today

by WU7H, #46 by WU7H, 13 hours ago

FUNK.TAG KASSEL 15.April 2023

by DL4TO, #2 by DB7MM, 13 hours ago

Websites - Spots



16 Apr 2023 **08:04 UTC** 20:04 local

SOTA Links ▼

ZL2JML ▼

当

SPOTS	ALERTS

Showing	latest 50 spots.	Settings Add Spot
08:04	JL3MNP/3 on JA/SI-050 📑	14.064 cw
08:03	EC2AG on EA2/BI-055 📑	14.340 ssb
08:01	JS6UAK on JA6/ON-038	14.140 ssb
08:00	SP9LPK/P on SP/BI-004 📑	7.158 ssb
08:00	SP9MA/P on SP/BZ-049 E	7.085 ssb
07:59	YO6PIB/P on YO/WC-259 📑	14.325 ssb
07:57	IZ4VQS on I/LG-322 📑	7.090 ssb
07:56	JS2VVH/2 on JA/SO-153 📑	7.169 ssb
07:54	SP9LPK/P on SP/BI-004 📑	21.275 ssb
07:54	CT2JLS/P on CT/BA-032 E	14.288 ssb
07:53	JL3MNP/3 on JA/SI-050 📑	14.064 cw
07:52	JS6UAK on JA6/ON-038	14.140 ssb

Reflector Latest

SOTAData3

by VK3ARR, #9 by VK1DA, 2 mins ago

SP15SOTA award to celebrate 15

by SYSTEM, #22 by M0JKS, 10 hours ago

6m QSO/S2S anyone?

by M0JKS, #7 by M0JKS, 10 hours ago

LoRa APRS Tracker

by ON6ZQ, #42 by M0JKS, 10 hours ago

Log upload (manual) error messa

by 2E0JWA, #7 by 2E0JWA, 10 hours ago

It's time to activate your first SOI

by WA7JNJ, #2 by WU7H, 13 hours ago

Dusted off the Ten-Tec Today

by WU7H, #46 by WU7H, 13 hours ago

FUNK.TAG KASSEL 15.April 2023

by DL4TO, #2 by DB7MM, 13 hours ago

Awards - Activators





467 total points 458 activator points 9 bonus points



98 activations



43 unique summits



2 associations 7 regions



1191 QSOs Top Chaser: ZL2ADA (81)



Activating since 14 Dec 2018

Activator Badges



HF

14 Dec 2018



14 Dec 2018



FM 14 Dec 2018



SSB 14 Dec 2018



OC 14 Dec



Activated First Activator 03 May 2018 2019





2019

Force Sensitive 04 May 13 Sep



2019

Activator Seasonal 100 Bonus

18 Jan 2020



UHF 31 Oct 2020

30 Dec 2020

Lazenby



Activator 250

21 Feb 2021



DV

26 Feb

2023

Awards - Activators

	ZL1 - New Zealand - North Island	- All Year	s - ×	-All Bands-	-All Modes-	Show
Position	Activator Callsign	Summits	Points	Bonus Points	Total Points	Average
1	<u>ZL2AJ</u>	355	982	24	1006	2.83
2	<u>ZL2JML</u>	98	458	9	467	4.77
3	<u>ZL2ADA</u>	87	352	9	361	4.15
4	<u>ZL1BYZ</u>	251	246	0	246	0.98
5	<u>ZL1SKL</u>	109	197	3	200	1.83
6	<u>ZL2ATH</u>	133	197	0	197	1.48
7	<u>ZL1PSH</u>	54	92	6	98	1.81
8	<u>ZL1KR</u>	16	69	0	69	4.31

Awards - Activators



Awards - Chaser







1236 points



160 unique summits



5 associations 18 regions



355 QSOs

Top Activator: ZL2ADA (86)



Chasing since 2 Jul 2017



951 S2S points 207 total S2S QSOs

Chaser Badges



SSB 02 Jul 2017

HF

02 Jul 2017

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Chased OC 02 Jul 2017

Summit To Summit 14 Dec 2018

FM 14 Dec 2018

VHF

14 Dec 2018

Force Sensitive 04 May

2019

Chaser 100 24 Aug 2019

S2S 100 29 Dec

2019

Chaser 250

S2S 250

UHF



Lazenby 30 Dec 2020

Chaser 500

31 Dec 2020

Chaser Uniques 100 14 Aug 2021



S2S 500 14 Aug 2021



Chaser 1000 31 Dec 2022



DV 26 Feb 2023





25 Jan 2020

23 May 2020

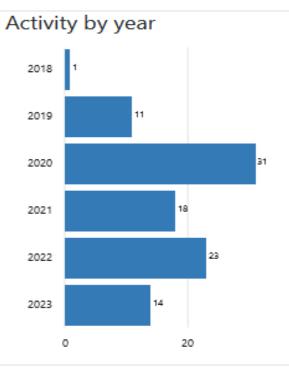
31 Oct 2020

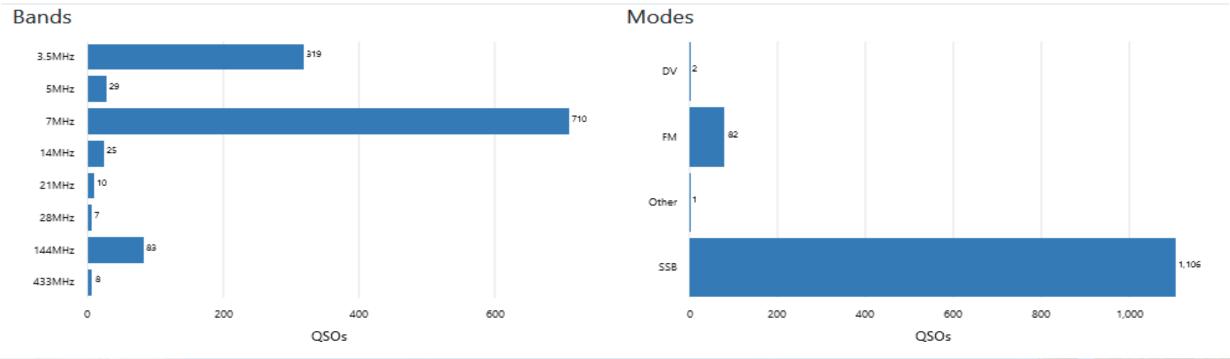
Awards - Chaser

	ZL1 - New Zealand - North Island	- All Years All Bands-	-All Modes-	Show
Position	Chaser Callsign	Activators Worked	Points	Average
1	<u>ZL1BYZ</u>	8275	36222	4.38
2	<u>ZL1TM</u>	4758	20489	4.31
3	<u>ZL2ATH</u>	1679	5801	3.46
4	<u>ZL1BQD</u>	1523	5738	3.77
5	<u>ZL1WA</u>	1068	3903	3.65
6	<u>ZL2AJ</u>	1234	3853	3.12
7	<u>ZL1SKL</u>	1148	3642	3.17
8	<u>ZL3JD</u>	955	3325	3.48
9	<u>ZL2JML</u>	355	1236	3.48
10	<u>ZL2ADA</u>	264	892	3.38

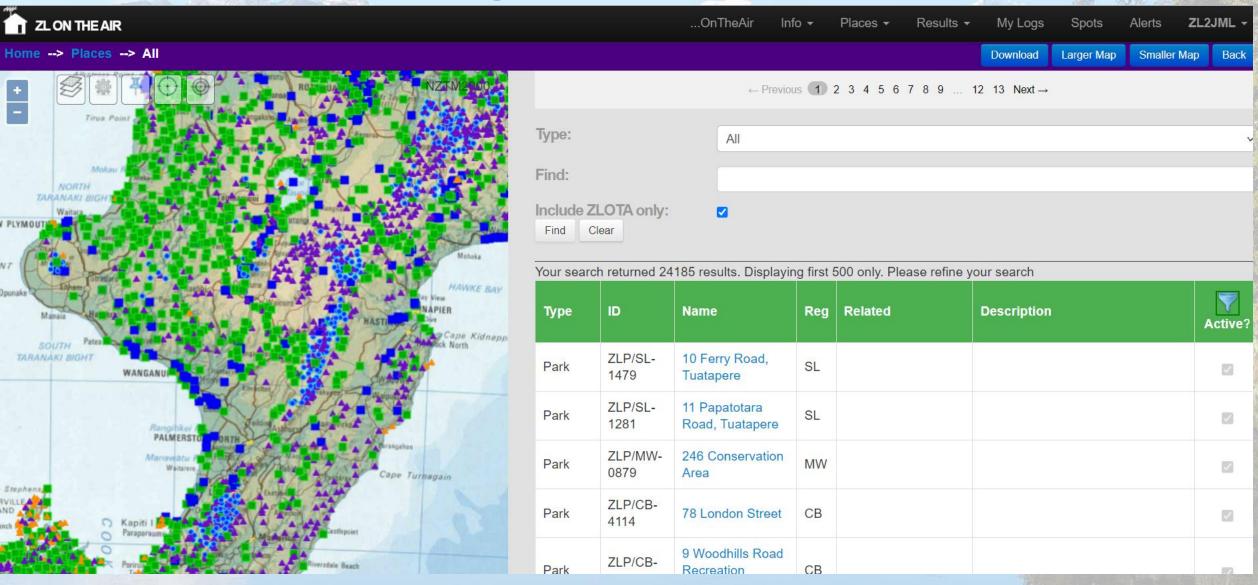
Awards – S2S

	ZL1 - New Zealand - North Island	- All Years -	Show	
Position	Chaser Callsign	Summit to Summit Contacts	Points	
1	<u>ZL2AJ</u>	590	2079	
=1	<u>ZL1BYZ</u>	639	2079	
3	<u>ZL2ATH</u>	355	1229	
4	<u>ZL1SKL</u>	274	973	
5	<u>ZL2JML</u>	207	951	
6	<u>ZL2ADA</u>	153	648	
7	<u>ZL1PSH</u>	192	601	
8	<u>ZL1KR</u>	76	258	
9	<u>ZL1ALF</u>	67	224	
10	<u>ZL2KGF</u>	44	155	



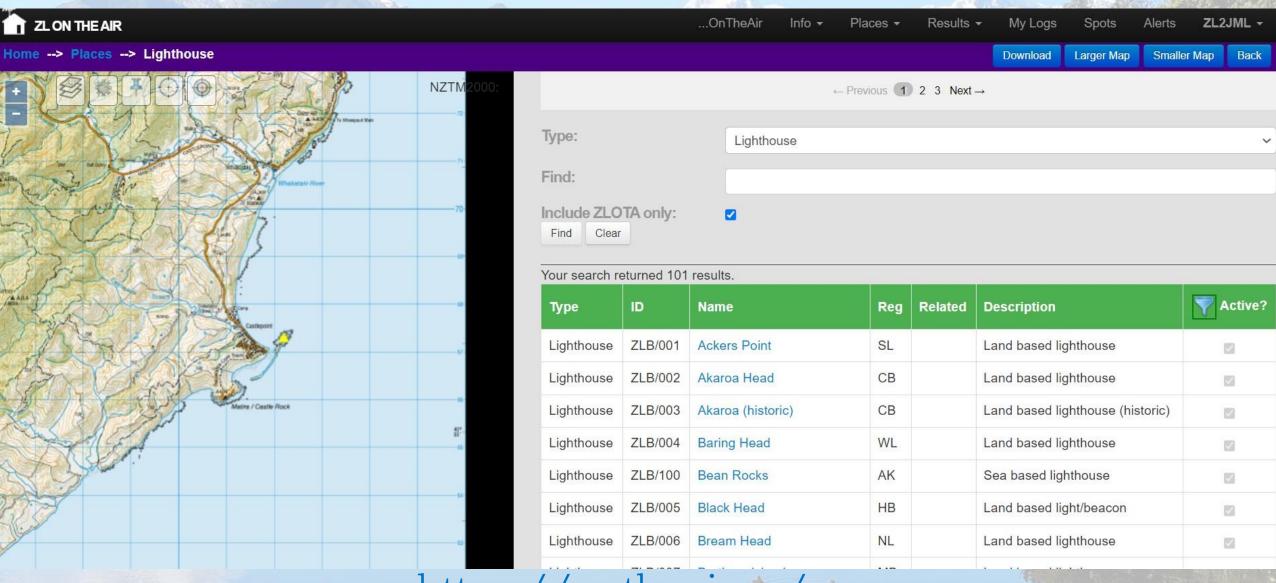


On the Air



https://ontheair.nz/

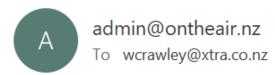
On the Air



https://ontheair.nz/

Alerts and Spots

ZL2STR alerted for 2023-03-09 11:00 (UTC) a





Hello ZL2FE

ZL2STR alerted: going portable

UTC: 2023-03-09 11:00

NZT: 2023-03-10 00:00

Location: Southern Reservoir [ZLL/1036] {RE54fc}

Posted by: ZL2STR

ZL3RIK spotted on 7.000 - Other



Hello ZL2FE

ZL3RIK spotted portable

UTC: 2023-03-11 01:45 NZT: 2023-03-11 14:45

Location: Aoraki/Mount Cook National Park [ZL-0040] {RE56dj}

Frequency: 7.000 - Other

Posted by: ZL3RIK

Now qrt. Thanks very much chasers/ spotters

My Logs – Add Log

Your Details:						1. 发现 测强性		
Callsign	ZL2JML	~	Date:	18/04/202	23		QRP?	
Timezone:	Pacific/Auckland	~	Power:				Portable?	
Description			Add Place					
Save my detai	s	'						
ld Time	Callsign QRP?	Portable?	Mode F	req (MHz)	Name	Location	RST Sent	RST Rec'd

My Logs - Tab

		Callsign	Date	Location	QRP?	Portable?	Contacts
	Edit View	ZL2JML	2023-04- 16	[ZLP/MW-0246] Himatangi Bush Scientific Reserve	no	Yes	3
100	Edit View	ZL2JML	2023-04- 16	[ZLL/0174] Karere Lagoon	no	Yes	6
	Edit View	ZL2FE	2023-03- 12	[ZLL/0688] Lake Rotorua/Te Rotorua nui ā Kahumatamomoe	no	Yes	2
	Edit View	ZL2FE	2023-03- 04	[ZLP/WK-0348] Tauhara Mountain Scenic Reserve		Yes	6
	Edit View	ZL2FE	2023-03- 02	[ZLP/WK-0590] Conservation Area - Pirongia (Corcoran Road)	Yes	Yes	5
	Edit View	ZL2FE	2023-03- 01	[ZLL/0688] Lake Rotorua/Te Rotorua nui ā Kahumatamomoe	no	Yes	3
	Edit	71.055	2023-02-	[ZLP/BP-0073] Whakarewarewa State Forest Park	V	V	4

My Logs - Tab



← Previous 1 2 3 4 5 6 7 8 9 ... 49 50 Next →

Bagged v	Bagged v			Activated v			Chased v	
Position	Callsign	Park v	Hut v	Island v	Lake v	Lighthouse v	P2P v	QRP v
1	ZL3RIK	270	11	12	204	2	262	55
2	ZL2STR	246	19	17	195	1	403	148
3	ZL3QR	158	6	5	178	2	1	0
4	ZL4LO	184	13	8	138	0	153	62
5	ZL1BQD	336	9	10	121	0	500	86
6	ZL3OY	91	3	2	119	1	0	2
7	ZL3OV	66	1	0	117	0	0	0
8	ZL2CX	47	1	0	107	0	0	0
9	ZL4NVW	234	118	15	95	0	970	172
10	ZL3MR	146	8	4	83	0	214	40

Websites

Websites

- https://www.sotadata.org.uk/en/
- https://sota-shop.co.uk/
- https://www.sotabeams.co.uk/
- https://sotl.as/map (SOTA Atlas)
- https://sotawatch.sota.org.uk/en/
- https://ontheair.nz (email alerts/spots)
- http://www.sota.org.uk
- http://zl-sota.org (go on mail list)
- https://www.nzart.org.nz/activities/sota

Facebook

- Parks on the air POTA
- (sota) Summits on the air
- ZL SOTA and other /P



	Band	Mode	Preferred Frequency (MHz)	Alternate Frequency (MHz)
	23cm	FM	1294.000	1294.025
A	23cm	SSB	1296.200	1296.150
	70cm	SSB	432.200	432.150
	70cm	FM	439.000	
A	2m	SSB	144.200	144.150
C	2m	FM	146.500	146.525
S	6m	SSB	50.160	52.200
	6m	FM	52.525	52.530
	10m	SSB	28.480	28.490
	15m	SSB	21.300	
	20m	SSB	14.310	14.315, 14.320, 14.325
	40m	SSB	7.090	7.080, 7.085*, 7.095, 7.100 else spin the VFO for a clear frequency
	80m	SSB	3.620	3.625

What's Next?

Saturday Get together

- Equipment Radio's, Antennas, Battery Systems,
- Rules
- Computer Applications
- Practical Activation (1 Lake and 1 Park)

Further Possibilities

- Building your own antenna
- SOTA Activation

The Rules

- 1 Contacts and awards belong to the operator, not the callsign. So if you have held multiple personal callsigns, then all resulting contacts are combined (see additional callsigns in your profile to set this up coming soon!). The Exception is for club calls or shared special-event calls. Contacts made using non-personal callsigns count towards the total for that club or event, not to your personal tally
- 2 A single contact either from or to a station operating from or adjacent to (within 100m of, or at the camping area of) a backcountry hut is all it takes to 'bag' that hut and add it to your tally.
- 3 A single contact either from or to a conservation area is all it takes to 'bag' that park and add it to your tally.
- 4 A single contact either from (i.e. on the ground on, within the inter-tidal zone of, or on a craft tied to a mooring, wharf, jetty, or anchorage adjacent to) the island. For islands linked to the mainland at low tide, the island's intertidal zone can be considered to start at the half-way point between the mainland and island high-tide mark.
- **5 Two** contacts from within **500m** of a lake is all it takes to 'bag' that lake and add it to your tally. Chasers require just one contact.
- 6 You will receive activator points for activating a location once per UTC calendar **year**. Reactiviating it within the year is a valid activation but will not add to your points.
- 7 You will receive chaser points for chasing a location once per UTC calendar **day**. Contacting another operator at the same location on the same day is a valid contact, but will not add to your chaser points.

The Rules - continued

- 8 The first person to bag a hut, park or island gets bragging rights for having activated that location.
- 9 Log your contact to/from a hut, park or island recording (at minimum): time, date, frequency, mode, both callsigns, location of each activating party, and both signal reports.
- 10 -The competition is open-ended and has no closing date.
- 11 Historic (pre 2020) contacts can be included
- 12 Huts must be either DOC or club huts or off-grid, back country private huts to qualify.
- 13 Islands and Lakes must be in the NZ Geographic Placenames Database from LINZ to qualify.
- 14 Parks must either be in the Protected Areas database from LINZ (DOC, local council parks) or listed as regional parks by a regional council.
- 15 Parks under 10ha are excluded from the contest
- 16 Parks that are 'Marginal strips' (aka Queen's chain riverbank reserves) and 'Local Purpose Reserves' (such as gravel pits, community halls, etc) are excluded from the contest
- 17 QRP or QRO all welcome. It's your call how much radio gear you wish to lug into the backcountry!

Main Program - Saturday

0900	Registrations / Opening
0930	Morning Tea
1000	NZART AGM
1200	Lunch
1300	NZART AGM
1500	Afternoon Tea
1530	AREC Annual Forum
1830	Drinks
1900	Dinner

Main Program - Sunday

	A CONTRACTOR OF THE PARTY OF TH				
0830	WARO	SPAM AGM			
0915	KiwiSAT	OTC			
1000		Morning Tea			
1030	NZART Centenial <	Ham during / After TC Gabrielle ZL2DW ZL2BJA			
1115	Grotating ZL3CK	Transpower slot / Unison Slot / TBC			
1200		Lunch			
1300	National System Trustees	SOTA			
1345	NS Public Forum	Distributing Electricity in a storm			
1430	Klondyke Presentation	Covid 19 - An Engineering Response - ZL2JML			
1515	5 A	fternoon Tea			
1545	Dish Antennas	Amateur Civil Emergency Response			
1630	Receiving Weather Balloons ZL1AOX	Amateur Civil Emergency Response			
1715		Drinks			
1900		Dinner			

Alternative Program

Saturday morning -

- Morning tea at venue then visit the Herb Farm
- Lunch will be at the attached café.

In the afternoon

- Visit the Catholic Cathedral of the Holy Spirit beautiful stained glass and interior.
- Then to the Victoria Esplanade Gardens -Central Energy Trust Wildbase Recovery centre,
- Peter Black Conservatory (hot house garden), aviaries, 2.2 km miniature railway you might like to ride, and afternoon tea at the cafe.

Sunday Morning

- Morning tea at the conference venue
- Visit to the Te Manawa Museum with an optional visit to the Rugby Museum next door.
- Head to Foxton, a small Dutch community, where we will visit to the quilting shop, have a tour of the Flax Stripping Museum, visit the de Molen working windmill
- Options to visit the museum and art gallery detailing early Foxton.
- We will have lunch at Foxton and afternoon tea at Foxton Beach.

- Full Program \$250
- Full Alternative Program \$250

- AGM Free
- Saturday Program \$60 (daytime meals included)
- Sunday Program \$60 (daytime meals included)
- Saturday Dinner \$65
- Sunday Dinner \$65

 Application by 19 May after that date late fee of \$50