

**LNLARES &
WCARC**

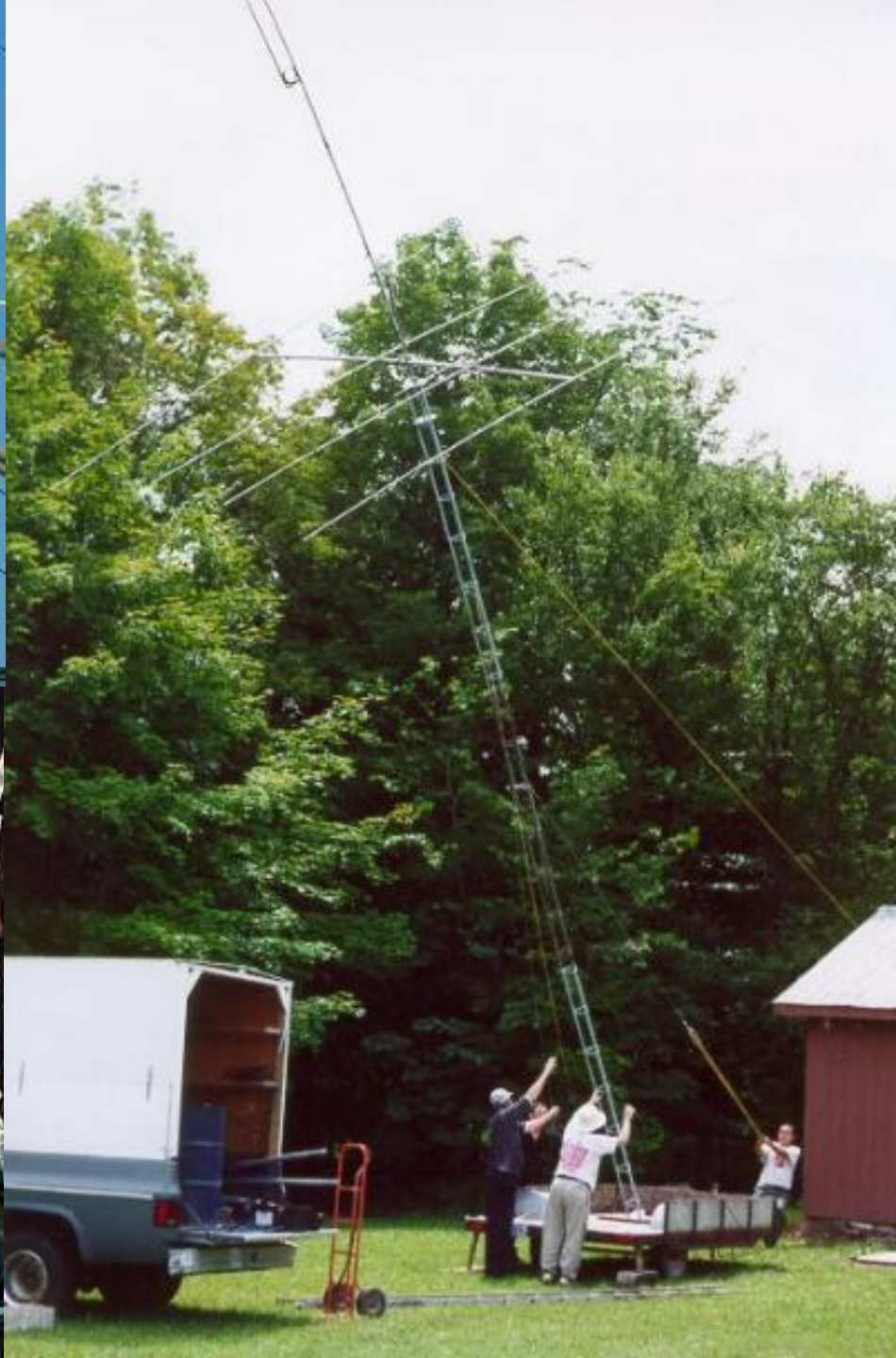
Field Day 2006!

23 – 25 June 2006



What is Field Day?































2:16:07 AM



What is Field Day?

- An emergency preparedness exercise;
- A contest;
- A public relations opportunity;
- A learning opportunity;
- An outstanding social occasion; and
- The most fun you'll have all year!

LNL ARES/WCARC Field Day 2006!

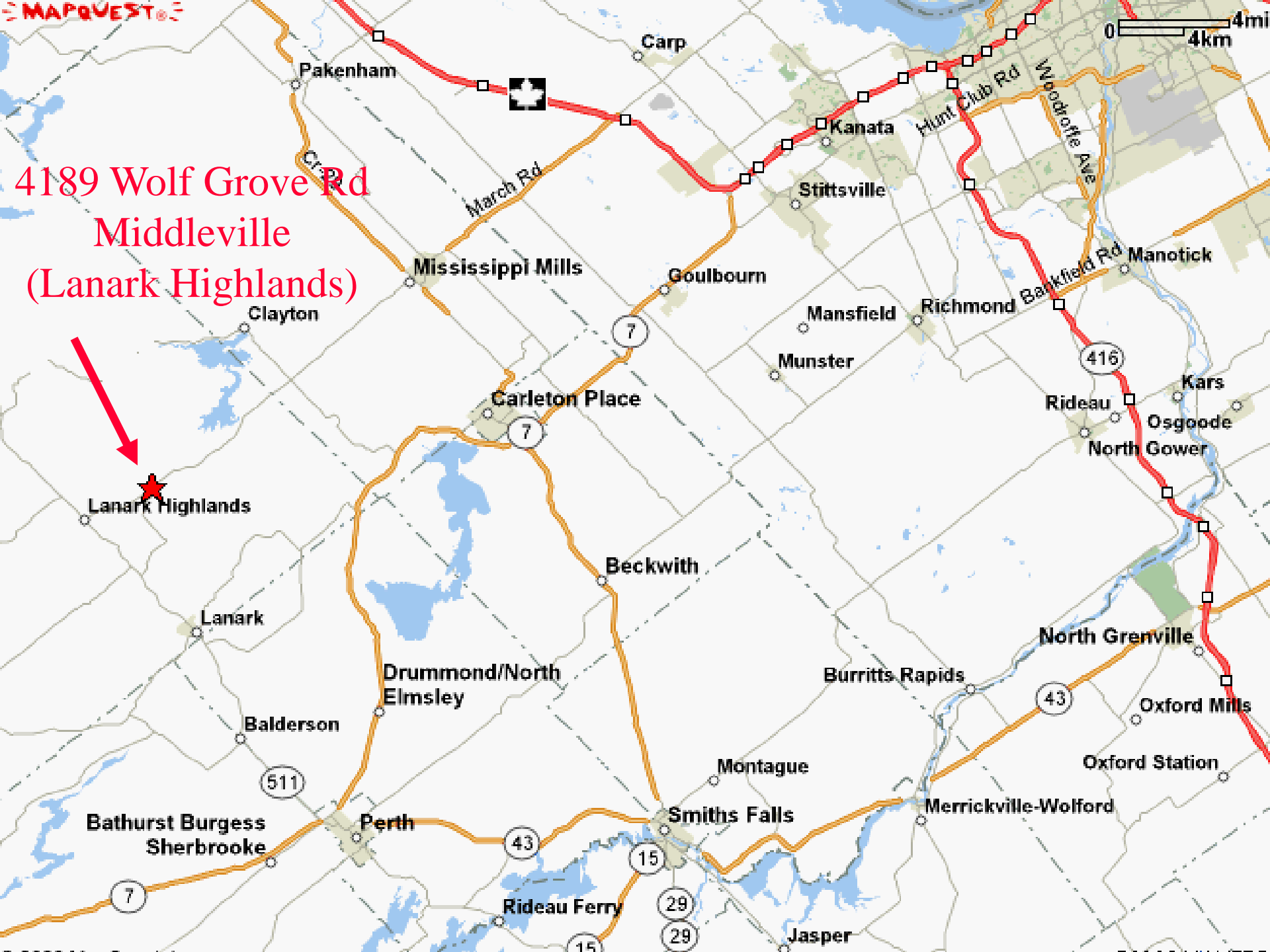
Outline

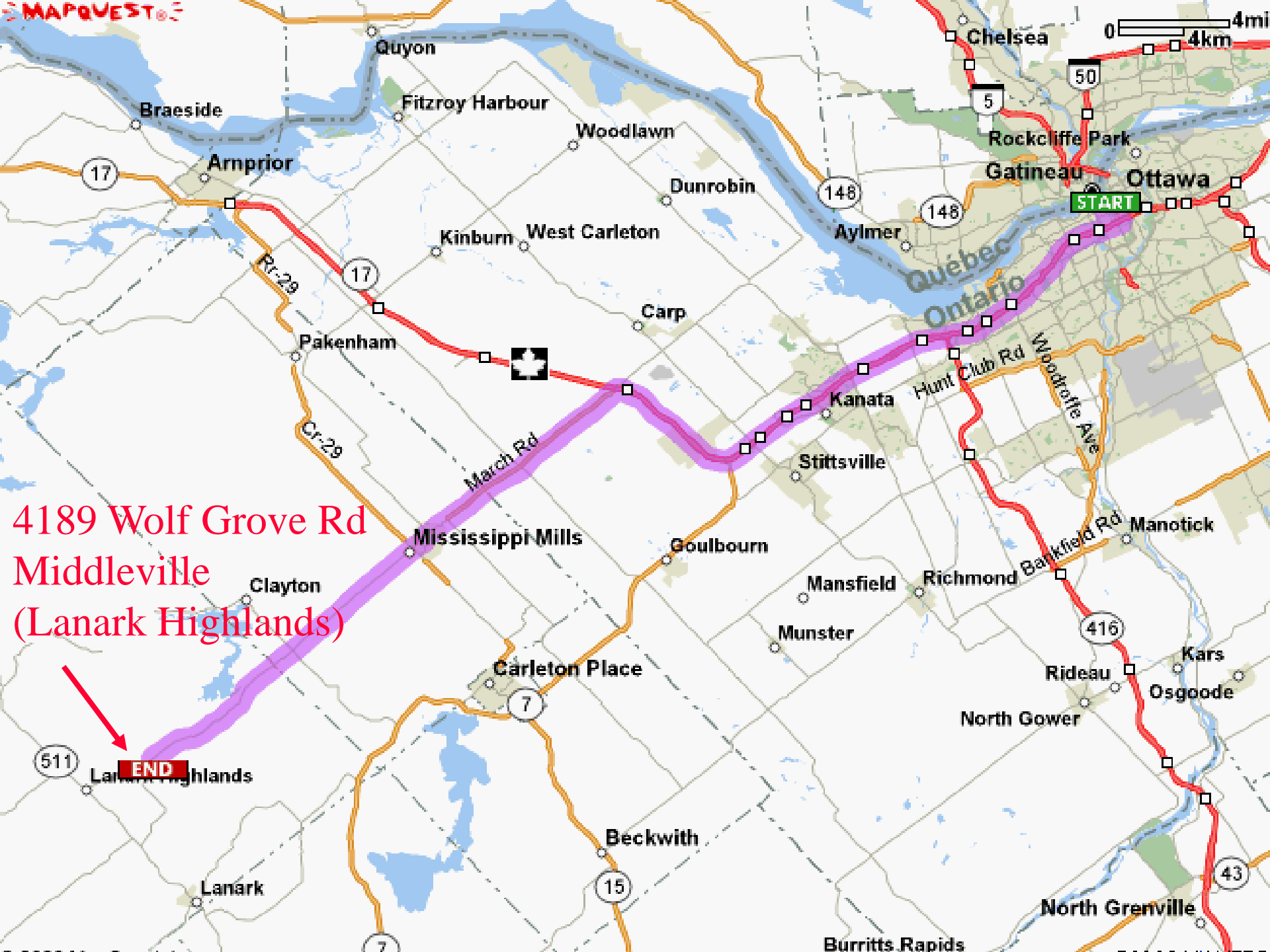
- Dates/Times
- How to get there
- Category and Callsigns
- Rules
- Site Layout
- Band Captains
- GOTA Station
- Scoring
- Bonus Points
- Demonstration Modes
- GOTA Station
- Youth Participation
- Food
- Publicity
- Safety
- Volunteers
- Operating Notes
- Exchange
- Logging Demonstration

Dates/Times

- Setup starts 1400 Friday 23 June
- Contest starts 1400 Saturday 24 June
- Contest ends 1400 Sunday 25 June

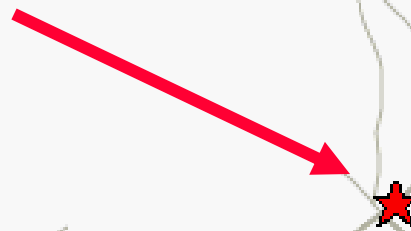
4189 Wolf Grove Rd
Middleville
(Lanark Highlands)





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(Lanark Highlands)



511

Cr-16

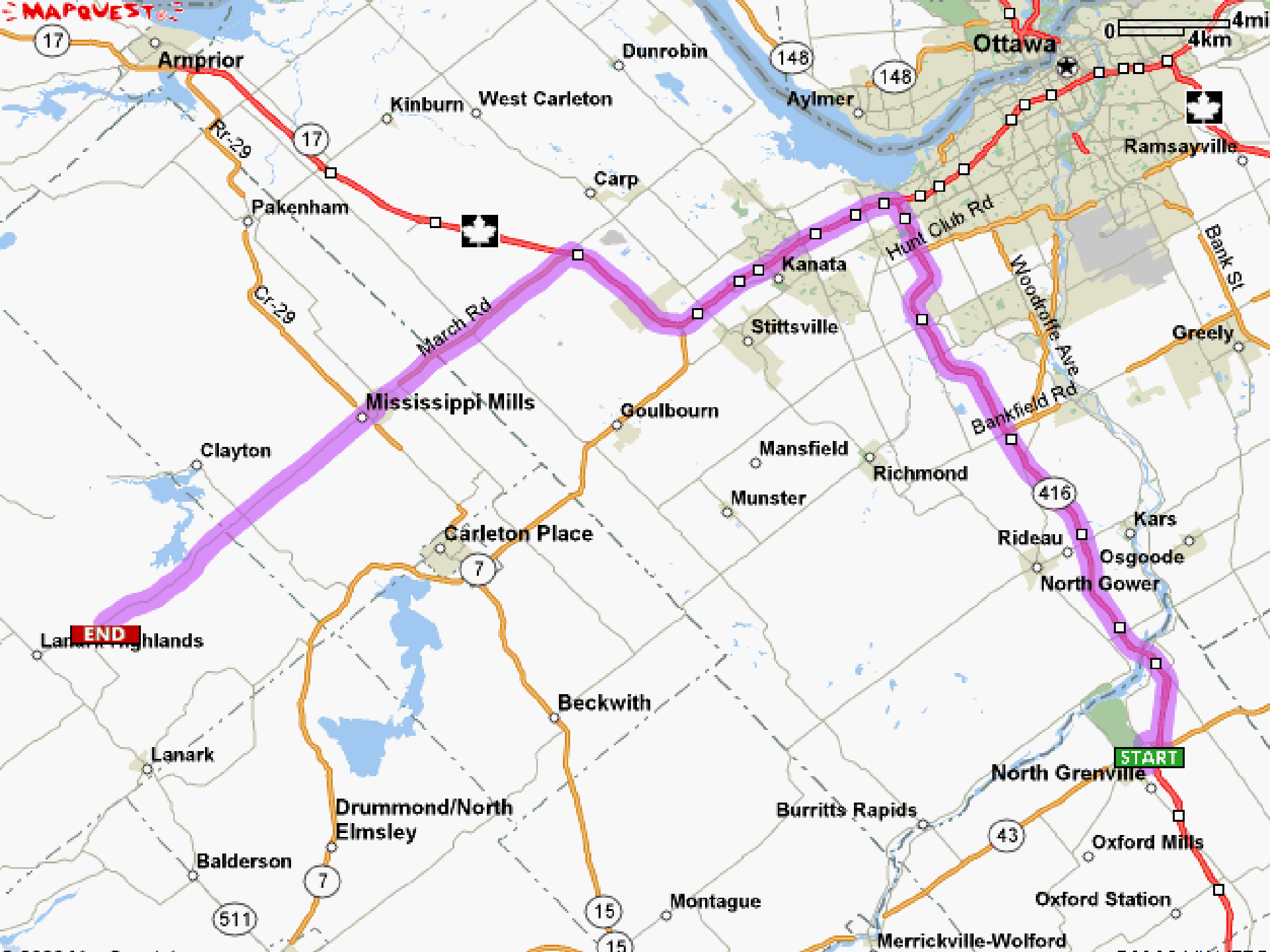
Lanark Highlands

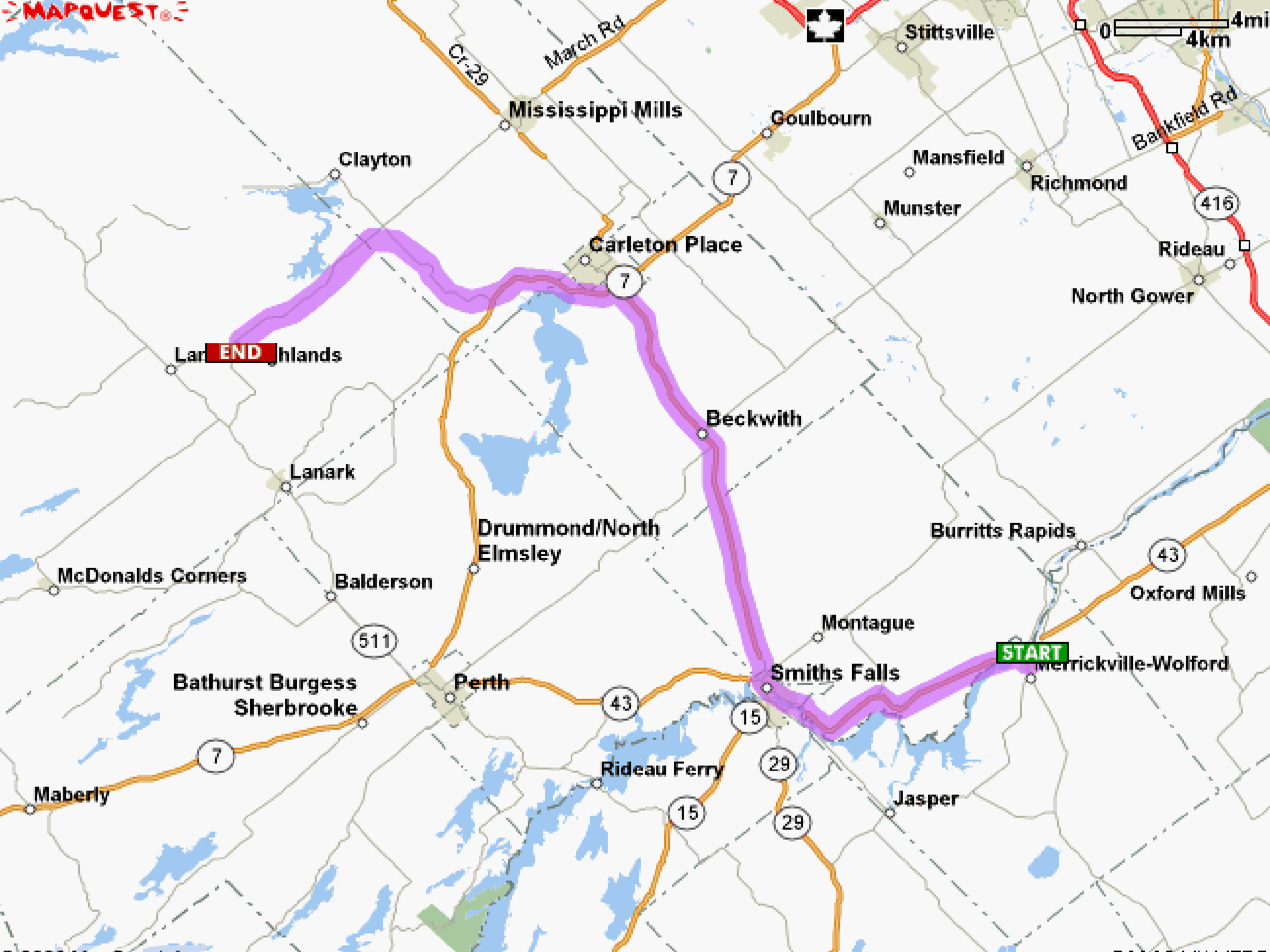
Cr-8

Pine Grove Rd

Taylor Lake

Cr-16





Category & Callsigns

- Category 2A (Two Alpha)
- Callsigns:
 - Main stations: VE3LCA
(Victor Echo Three Lima Charlie Alpha)
 - GOTA station: VE3WCC
(Victor Echo Three Whiskey Charlie Charlie)

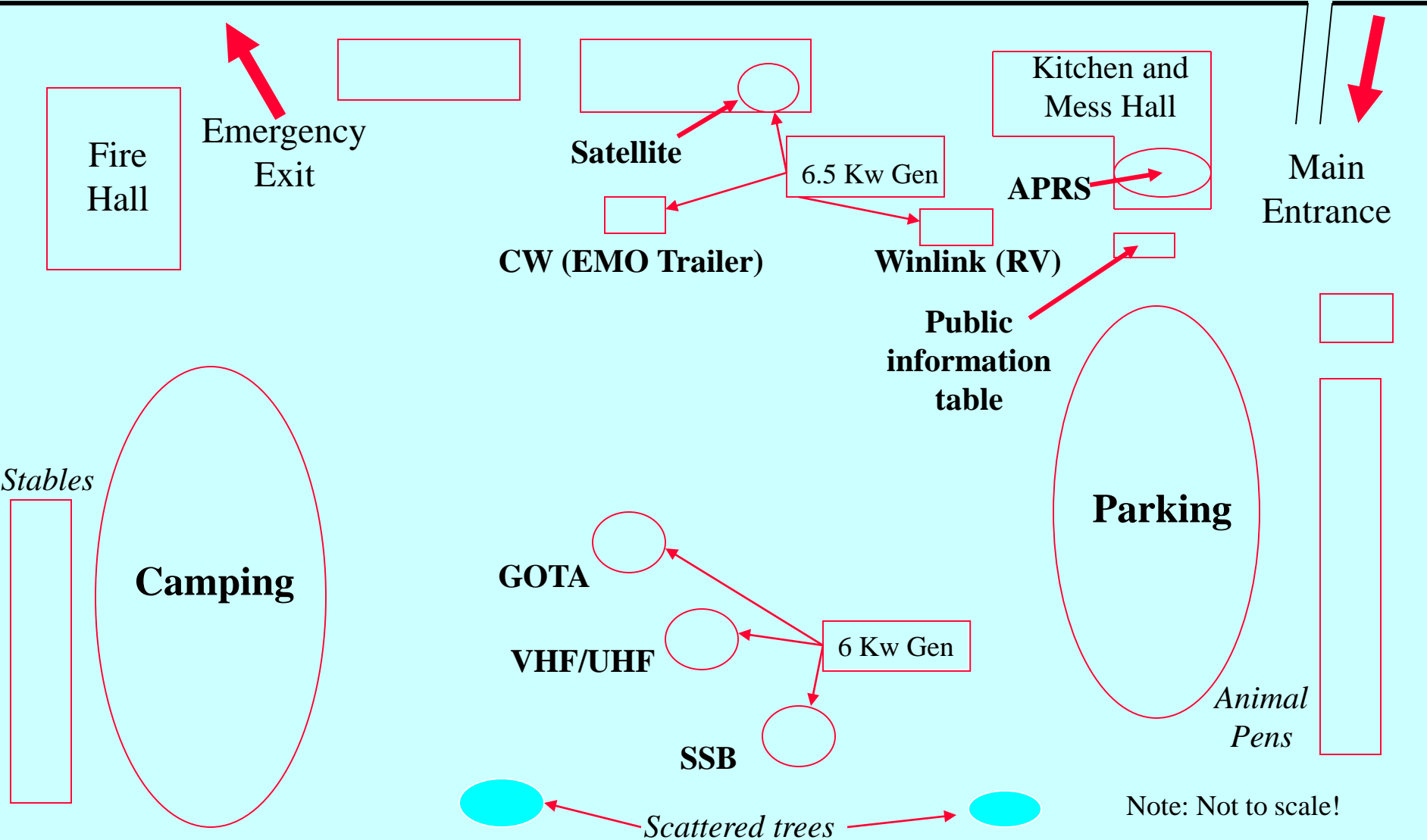
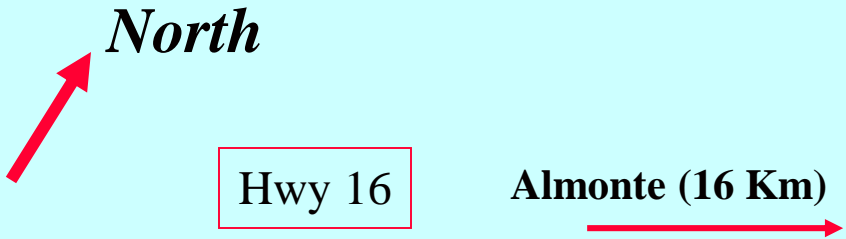
Field Day Categories

- Number indicates # of HF stations.
- Letter indicates source of power and operators:
 - A: Club or Non-Club portable, emergency power
 - B: 1 or 2 person portable, emergency power
 - C: Mobile stations (includes Aeronautical and Maritime Mobile)
 - D: Home stations, normal power
 - E: Home stations, emergency power
 - F: Emergency Operations Centers

Rules

- Only 2 HF signals plus GOTA station, satellite station and VHF/UHF station
- Max 150 watts
- No WARC bands
- Can't operate and later work us from home
- No repeaters allowed
- Each phone, cw and digital band segment considered a separate band
- May work a station once per band

Station Layout



Band Captains

- CW – David Stephenson, VE3PYG
- SSB – Dale Hennigar, VE3XZT
- Satellite – Barrie Crampton, VE3BSB
- VHF/UHF – Al Penney, VO1NO
- GOTA – Al Nittymaa, VA3KAI

Scoring

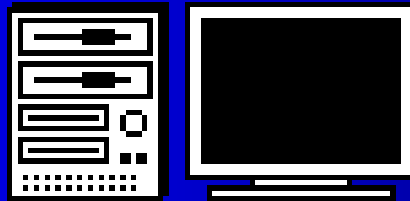
- QSO points:
 - Phone : 1 Point
 - CW: 2 Points
 - Digital: 2 Points
- Power Multiplier: Less than 150 watts, multiply QSO Points by two.
- Add Bonus points

Bonus Points!

- 100 % emergency power
- Media Publicity
- Public Location
- Information Table
- Message to SM
- Message Handling
- Satellite QSO
- Alternate Power
- Copy W1AW Bulletin
- Demonstration Modes
- Elected Official Visit
- Served Agency Visit
- Special GOTA Rules
- Web Submission
- Youth Participation

Demonstration Modes

- Winlink 2000 – Norm Hagan, VE3VY
- APRS – Brad Smith, VE3BSM
- Radio Direction Finding – Al Penney, VO1NO



- Winlink will be demonstrated in Norm's RV all weekend. APRS will set up in main building Saturday afternoon. RDF will take place near the VHF/UHF station whenever 6 meters is not open!

Get On The Air Station

- “Extra” HF station for:
 - Amateurs without HF privileges.
 - “Inactive” HF Amateurs.
 - Unlicensed “Hams to Be”!
- Al VA3KAI is the Control Operator.

* A list of all GOTA operators must be sent with the Field Day submission.

Get On The Air Station

- Same exchange, but different callsign (VE3WCC)
- When an operator reached 50 QSOs, receive 50 bonus points
- When an operator reached 100 QSOs, receive 100 bonus points
- If coached, double these bonus points
- No partial credit
- Max 500 QSOs
- Al VA3KAI is the coach!

Youth Participation

- 20 point bonus for every operator under 18 who makes at least one QSO
- Maximum 100 points

Food!

- ?????? will coordinate food for Field Day
- Meals as follows:
 - Lunch Saturday
 - Supper Saturday (potluck)
 - Breakfast Sunday (free to overnight operators)
 - Lunch Sunday at noon
- Will have a BBQ on site (Need someone to bring one to the site – any volunteers?)

Food!

- Will be a nominal charge to offset expenses
- ?????? will require help – please give him/her a hand!
- Tables and chairs available onsite
- Need someone to coordinate food services!

Publicity

- Media Release will be sent to all newspapers, TV and radio stations
- Media will be invited to site Saturday PM
- Critical we tell the public what we do!
- Publicity table
- Visitors' logbook

Message we want to send:

- Amateur Radio is a vital service with a long history of assisting in emergencies
- We are the only failsafe communications network
- We get vital messages through when everything else has failed
- Ottawa's proposed by-laws and restrictive covenants threaten the future of this service

Safety

- Safety is Paramount!
- Recommended safety equipment:
 - Work gloves
 - Hard hats
 - Sturdy boots
 - Sunhat and sunblock
 - Water bottle



Lightning

- Lightning kills 73 North Americans annually
- Our site high and clear – caution required!
- We will follow “30-30” rule
- Safe area is inside metal vehicle
- What to do if about to be struck...
- What to do if someone is struck...

Fire Safety

- No smoking in tents or near generators
- Stop generators before refueling
- Fire extinguishers near generators, cooking location and operating positions
- Bring shovels in case of grass fire

Electrical Safety

- Proper extension cords
- Waterproof all connections
- Kill power before troubleshooting
- Use proper grounds
- RF safety
- Don't stick tongue in light socket while standing in puddle during an electrical storm

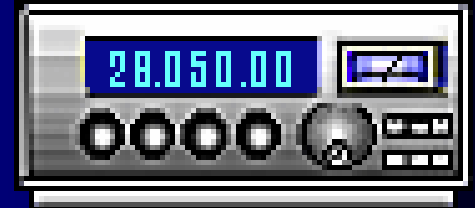
Tower Safety

- Proper equipment a must
- Use caution putting up towers
- Don't poke an eye on an antenna
- Ensure guys are securely anchored
- Use marking tape to indicate guys
- NO Vehicles allowed near towers
- If necessary, let tower fall – but you get out of way!

Volunteers Required!

- Setup Friday afternoon / Saturday morning
- Operating Saturday noon to Sunday noon
- Teardown Sunday noon
- Tour guides / Ambassadors all weekend
- Cooking and cleanup
- Photographers

Operating Notes



- Keep an eye on 10 and 15M
- Listen to bands before Field Day
- Once contact made on HF band, must stay on same band for at least 15 minutes
- Read rules carefully
- Practice using logging program beforehand
- Ensure computer date & time correct before contest starts!

Operating Notes 2

- On 6M, CW 50.110, SSB 50.125 and up
- On 2M, CW 144.1 up, SSB 144.2 and up
- On 70cm, CW & SSB 432.100 and up
- Don't forget FM (not calling frequencies!)
- Avoid 52.525, 146.52, 446.0 MHz (but operate nearby!)
- Vertical polarization for FM
- Horizontal polarization for CW/SSB
- Grid FN15



Operating Notes 3

- Satellites:
 - SSB/CW
 - AO7
 - VU Sat 52
 - FO29
 - FM
 - SO50
 - AO51
 - AO27
 - ISS



Field Day Exchange

VE3LCA

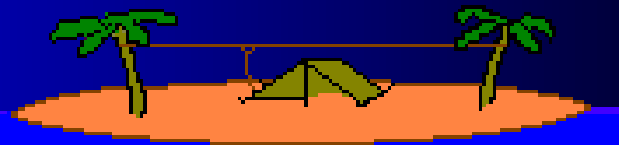
- CQ Field Day, CQ
Field Day, Victor Echo
Three Lima Charlie
Alpha, QRZ?
- VE1FO, You are Two
Alpha Ontario, QSL?
- Thanks, Victor Echo
Three Lima Charlie
Alpha QRZ?

VE1FO

- VE3LCA this is Victor Echo
One Foxtrot Oscar, Two
Foxtrot Maritime, Over.
- QSL, 73.

Final Remarks

- Field Day is supposed to be fun!!
- Don't be afraid to get involved!
- Something for everyone to do



Questions?

no...

then...

73

Logging Demo!