

W6TRW Field Day 2023

An Experiment in QRP

Greg Shreve, KE6YEX
Dylon Mutz, N6MX
Mark Knight, KD7DTS
Bill Shanney, W6QR
Chris Newton, N6FR

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RADIO!!

----- AMATEUR RADIO EXERCISE -----

ARRL Field Day



24-25 June 2023, Friendship Park



<http://w6trw.com/>

The **W6TRW Amateur Radio Club** will set up their antennas and emergency communications equipment in **Friendship Park** for American Radio Relay League (ARRL) Field Day.

Setup starts at 8 AM on Saturday 24 June

Contact Greg Shreve KE6YEX, 310-809-0649 for info.
shreveg@earthlink.net

Talk-in on 147.555 Simplex

Or call into the W6TRW repeaters 145.320 or 447.000 MHz <https://w6trw.com/repeaters/>

Or call into the local 447 relay repeater: 447.000 minus offset, PL 79.7



----- AMATEUR RADIO EXERCISE -----

Field Day 2023 Overview

- W6TRW will likely be a Class 5AB Field Day station
 - 5 simultaneous transmitters, battery/solar power for all radios and SDR computers, QRP (5 Watts max TX power)
 - **The plan for Saturday 6/24:** We will set up stations and antennas starting on Saturday morning about 8 AM. Before that, we'll convene at the Deana Dana building parking lot between 7:30 to 8:00 AM to coordinate with the park rangers, organize ourselves, put our locks on the gates, etc. Everyone, feel free to bring friends to help set up and/or operate on Saturday.
 - **Field Day operation starts at 11 AM Saturday.** We will have Saturday lunch and dinner and snacks. We will operate overnight Saturday on any bands that are open.
 - **Plan for Sunday 6/25** is to operate until 11 AM, then take everything down. We'll have coffee / breakfast, and lunch / snacks so we can regroup and review, before breaking up.
 - Currently, we plan to raid the W6TRW Field Day Trailer at Space Park on (TBD) **Thursday 15 June 2023, around 5:30 PM to 6:30 PM**, to stage and gather supplies and equipment we will need for Field Day –coax, stakes, masts (not the big towers), guy ropes, ground rods, EZ-ups, tables, chairs. Electrical generator for lighting, logging laptops and cooking only, no radio/battery charging.

Field Day Stations / Bands

- 40m CW, Digital, maybe SSB, W1AW message
- 20m CW, Digital, maybe SSB, W1AW message
- 15m CW, Digital, maybe SSB
- 10m CW, Digital, maybe SSB
- 6m CW, Digital, maybe SSB
- Satellite VHF-UHF (any 10m?) (free station)
- VHF-UHF FM (free station)
- GOTA VHF (free station)

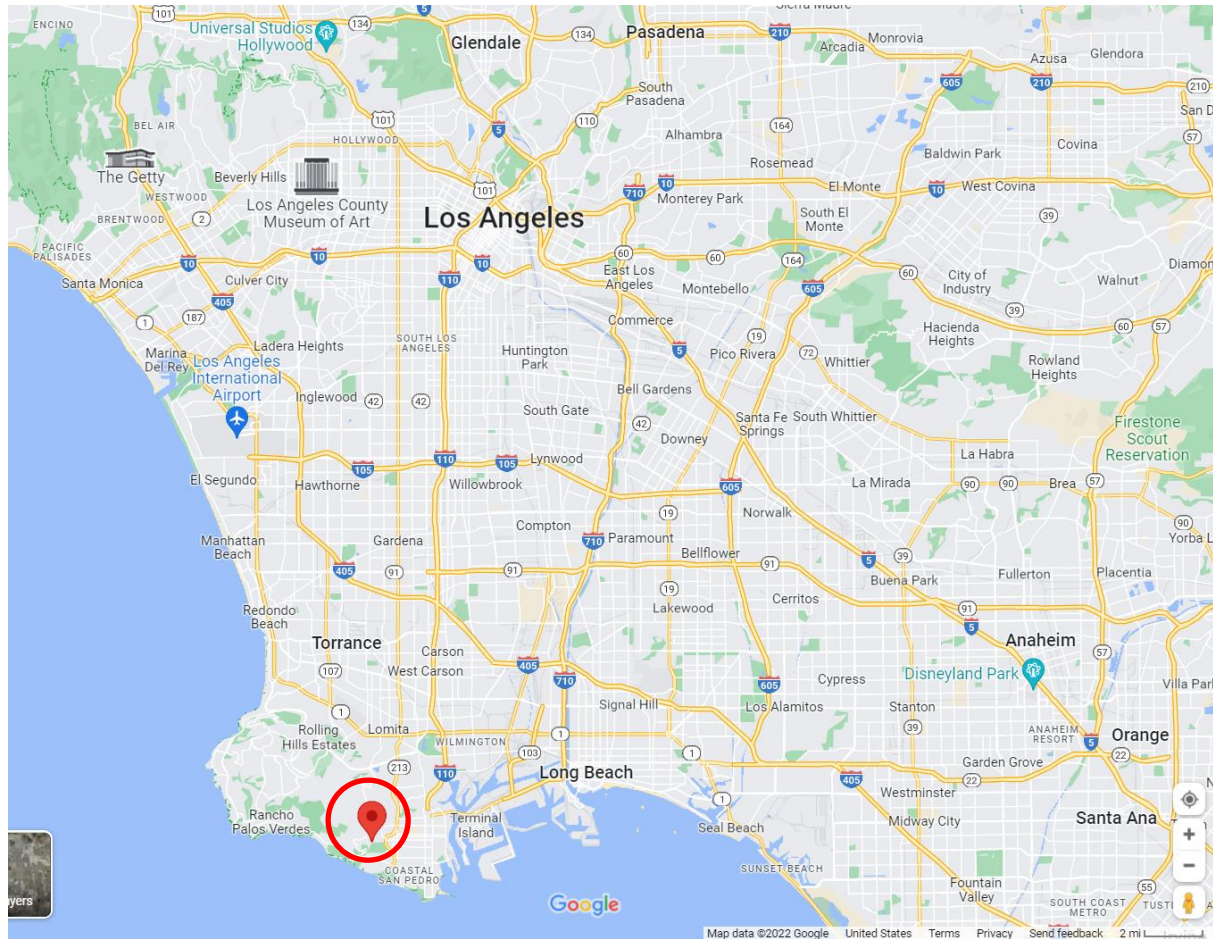
Bands & Band Captains

Band	CW	PHONE	DIGITAL	Operators & Roles	Radio	Antenna	TX #	TX Power (W)	Power Source
40 m	X			Bill Shanney W6QR	Elecraft	Custom	5	5	Li Battery
40 m			X	Chris Newton N6FR	FlexRadio	Custom	5	5	Solar+Battery
20 m	X			Bill Shanney W6QR	Elecraft	Custom	4	5	Li Battery
20 m			X	Chris Newton N6FR	FlexRadio	Custom	4	5	Solar+Battery
15 m	X	X	X	Mark Knight KD7DTS	POTA/SOTA	POTA	3	5	Battery
15 m	X	X	X	Devin Grady KN6PHZ	POTA/SOTA	POTA	3	5	Battery
10 m	X	X	X	Mark Knight KD7DTS	POTA/SOTA	POTA	2	5	Battery
10 m	X	X	X	Devin Grady KN6PHZ	POTA/SOTA	POTA	2	5	Battery
6 m	X	X	X	Dylon Mutz N6MX	Icom 705	6m Yagi	1	5	Solar+Battery
2 m		X		VHF (TBD)	Handheld	2m Cubical Quad	free	5	Battery
2 m		X	X	Doug McCommins WA6RLR	Satellite	2 axis tracking	free	5	Solar+Battery
2 m		X		GOTA (TBD)	Handheld	Dual band vertical	free	5	Solar+Battery
1.2m		X		VHF (TBD)	Handheld	Triband vertical	free	5	Battery
70 cm		X		VHF (TBD)	Handheld	Triband vertical	free	5	Battery
70 cm		X	X	Doug McCommins WA6RLR	Satellite	2 axis tracking	free	5	Solar+Battery
70 cm		X		GOTA (TBD)	Handheld	Dual band vertical	free	5	Battery

Solar Power	Paul Curry K6PEC
Welcome / Info Desk	Carol Curry KJ6HRH
Food & Drinks	Janice Miya KJ6NHY
Security (Sat night)	Robert Manriquez KF6EXC

W6TRW Field Day Site

Friendship Park, San Pedro / RPV



ARRL Field Day Locator

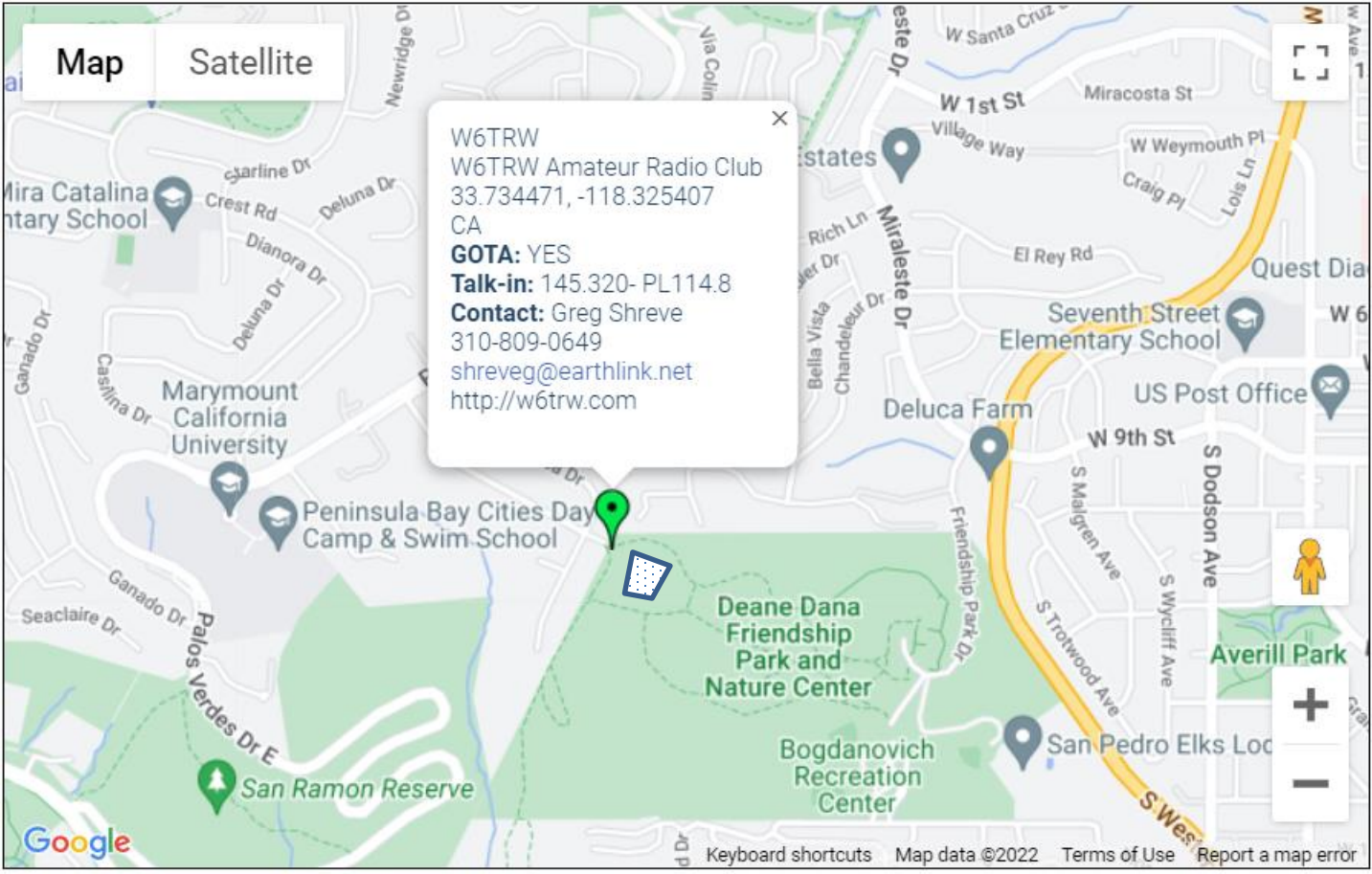
<http://www.arrl.org/field-day-locator>

Field Day Locations —

901 FD sites in database, 1 on map - Click on markers for site details

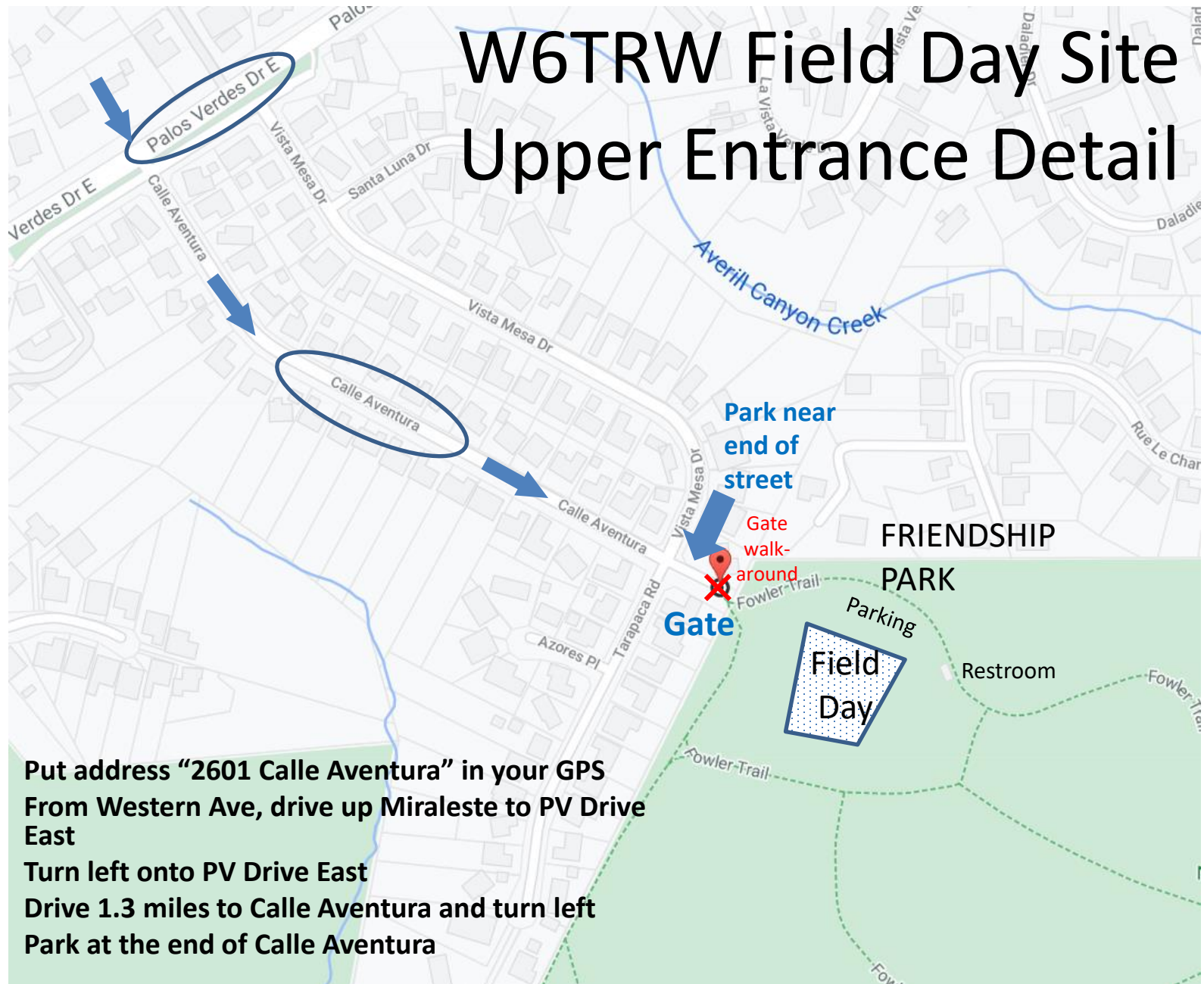
Map Satellite

W6TRW
W6TRW Amateur Radio Club
33.734471, -118.325407
CA
GOTA: YES
Talk-in: 145.320- PL114.8
Contact: Greg Shreve
310-809-0649
shreveg@earthlink.net
http://w6trw.com



Keyboard shortcuts Map data ©2022 Terms of Use Report a map error

W6TRW Field Day Site Upper Entrance Detail



- Put address “2601 Calle Aventura” in your GPS
- From Western Ave, drive up Miraleste to PV Drive East
- Turn left onto PV Drive East
- Drive 1.3 miles to Calle Aventura and turn left
- Park at the end of Calle Aventura

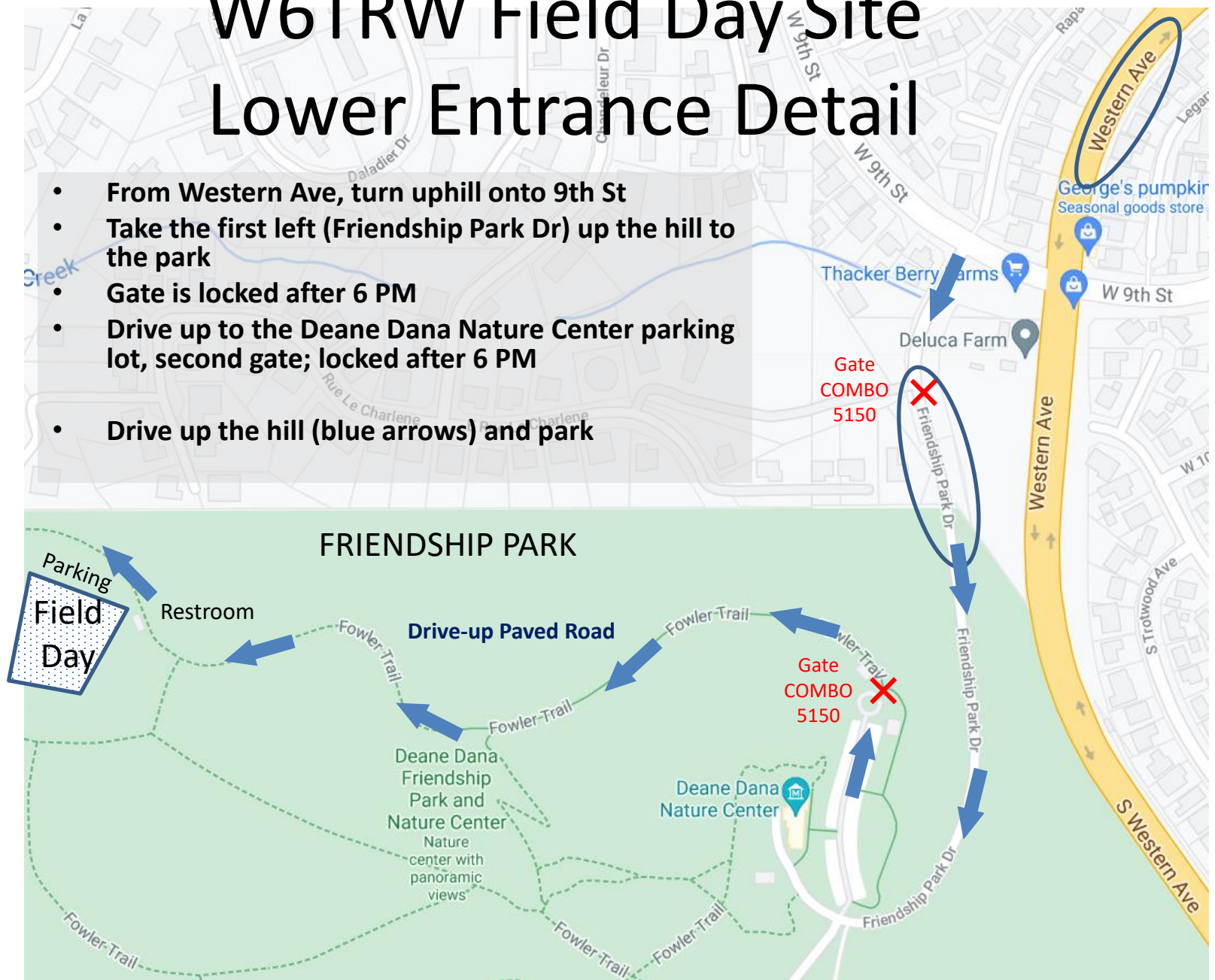
Friendship Park Upper Gate

2601 Calle Aventura

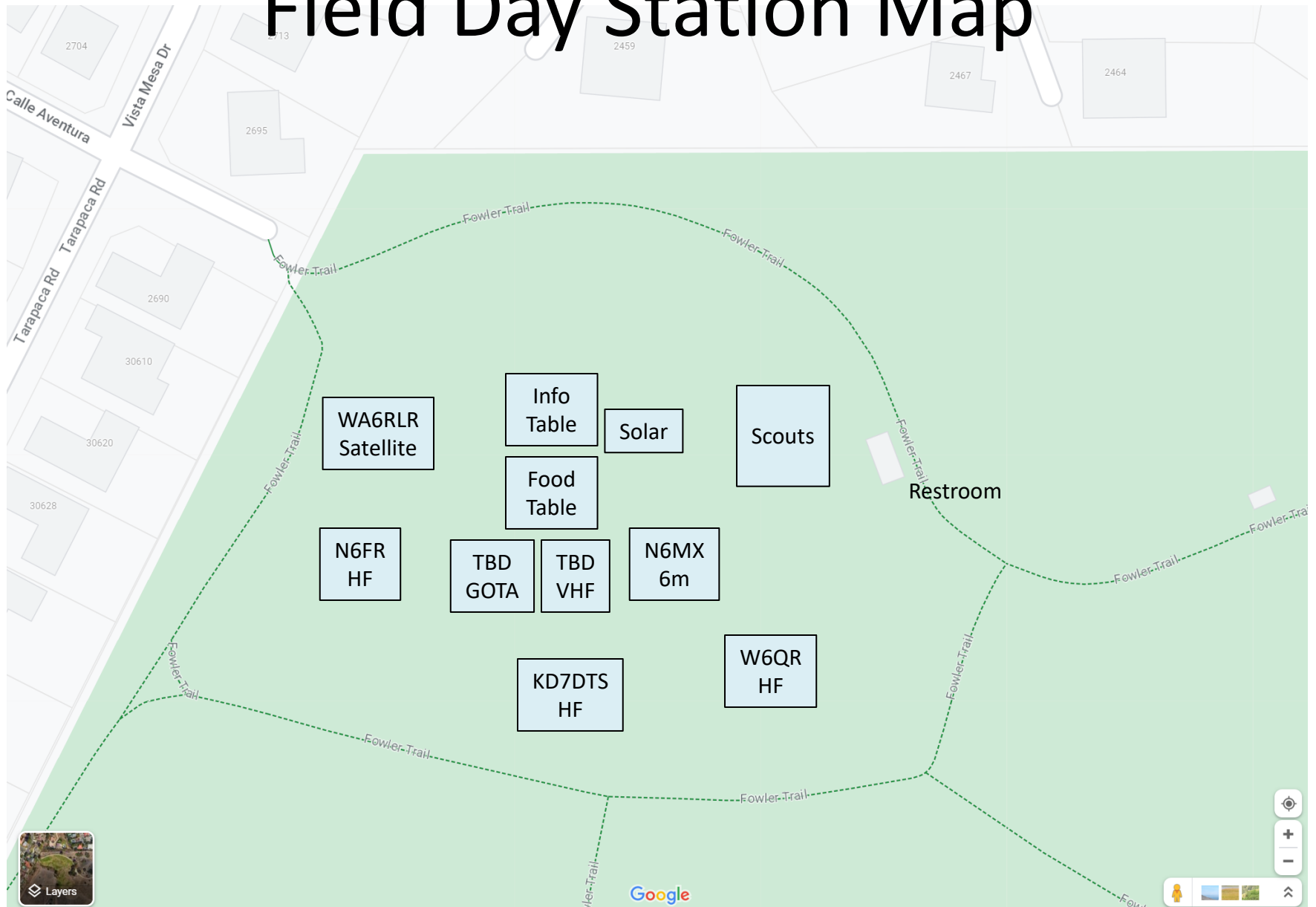


W6TRW Field Day Site Lower Entrance Detail

- From Western Ave, turn uphill onto 9th St
- Take the first left (Friendship Park Dr) up the hill to the park
- Gate is locked after 6 PM
- Drive up to the Deane Dana Nature Center parking lot, second gate; locked after 6 PM
- Drive up the hill (blue arrows) and park



Field Day Station Map



The View from W6TRW Field Day Site



Field Day Food

- Saturday
 - Drinks – Coffee – Starbucks Traveler
 - Snacks – chips, cookies
 - Lunch – subs & pizza
 - Dinner – Tri-tip Mac & cheese, Hot dogs
- Sunday
 - Breakfast – Scouts - pancakes, sausage, bacon, eggs/omelets, **coffee** (coffee maker in trailer)
 - Lunch – subs & pizza – Sorrento's, afternoon snacks

Action Items

- Electric Skillet – let Glendee know
 - Electric griddle – Bill Shanney
- Trash boxes – Dylon
- Coffee maker in trailer – Janice will clean it
- Generator
 - Big generator from Swap Meet – 3000W
 - Little generator Honda 2000 – 1000W
- First-aid kit buy – Greg
- White name tags, callsign, FD banner - Greg
- Enough tables for food, info, dry overnight

Additional info

- EZ-ups, tiedowns, stakes, tarps
- Generator after Swap Meet, gas cans – fill, ground rods for safety
- Cones for sprinklers
- No lights at night
- Trash boxes & liners – put in Park dumpster after cleanup
- Sat night security
- Dollies - hand trucks, wagon
- Fire extinguisher
- Restroom
- Lower & upper gates
- First-aid kit
- Tarps
- Easy-up cube – keep things dry
- Towels, paper towels

Gate lock combination 5150



Field Day Activities & Demos

- Scouts – Radio Merit Badge Class & Exercises
- MicroVNA Workshop – Measuring antenna VSWR
- Satellite operation walkthrough
- Solar power walkthrough
- POTA/SOTA/Portable & Field Day Antennas demo
- RPV CERT info table (and/or MB CERT)
- Telescope – star viewing

Field Day Rules Review

From Mark Knight, KD7DTS:

5 Watt QRP operation yields 5x point multiplier

Section 7.3 additional bonus points:

- 7.3.2 media publicity (100 pts)
- 7.3.3 public location of field day (100 pts)
- 7.3.4 public information table (100 pts)
- 7.3.5 message to ARRL section manager (100 pts)
- 7.3.6 message handling (10 pts each, up to 100 pts)
- 7.3.9 W1AW bulletin copy (100 pts)
- 7.3.10 educational activity (100 pts)
- 7.3.11 visit by gov't official (100 pts)
- 7.3.12 visit by agency rep (100 pts)
- 7.3.16 promotion of event via social media (100 pts)
- 7.3.17 safety officer (100 pts)

Checklist for 2023

- Fix red tent – (1) broken pole (2) rain fly
- Tarps for overnight protection from dew
- Planning for stations and band captains, logs, station handoffs
- Simplex VHF for operator coordination & communication 146.42 MHz
 - Same freq for call-in
 - Use the Motorola donated radios
 - Satellite coordination