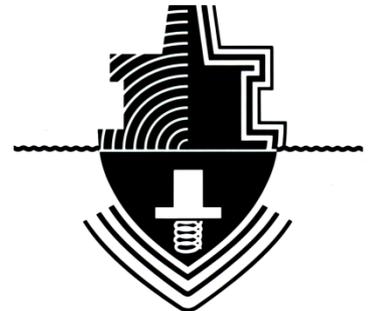


Evaluation of Noise Data from WIND-1 Turbine Falmouth, Massachusetts

**Prepared by
Noise Control Engineering, Inc.
For the Falmouth Residents Group
September 27, 2010**

For Further Information Contact:
Michael Bahtiarian, INCE Bd. Cert.
Callie Reis
978-670-5339



General Approach

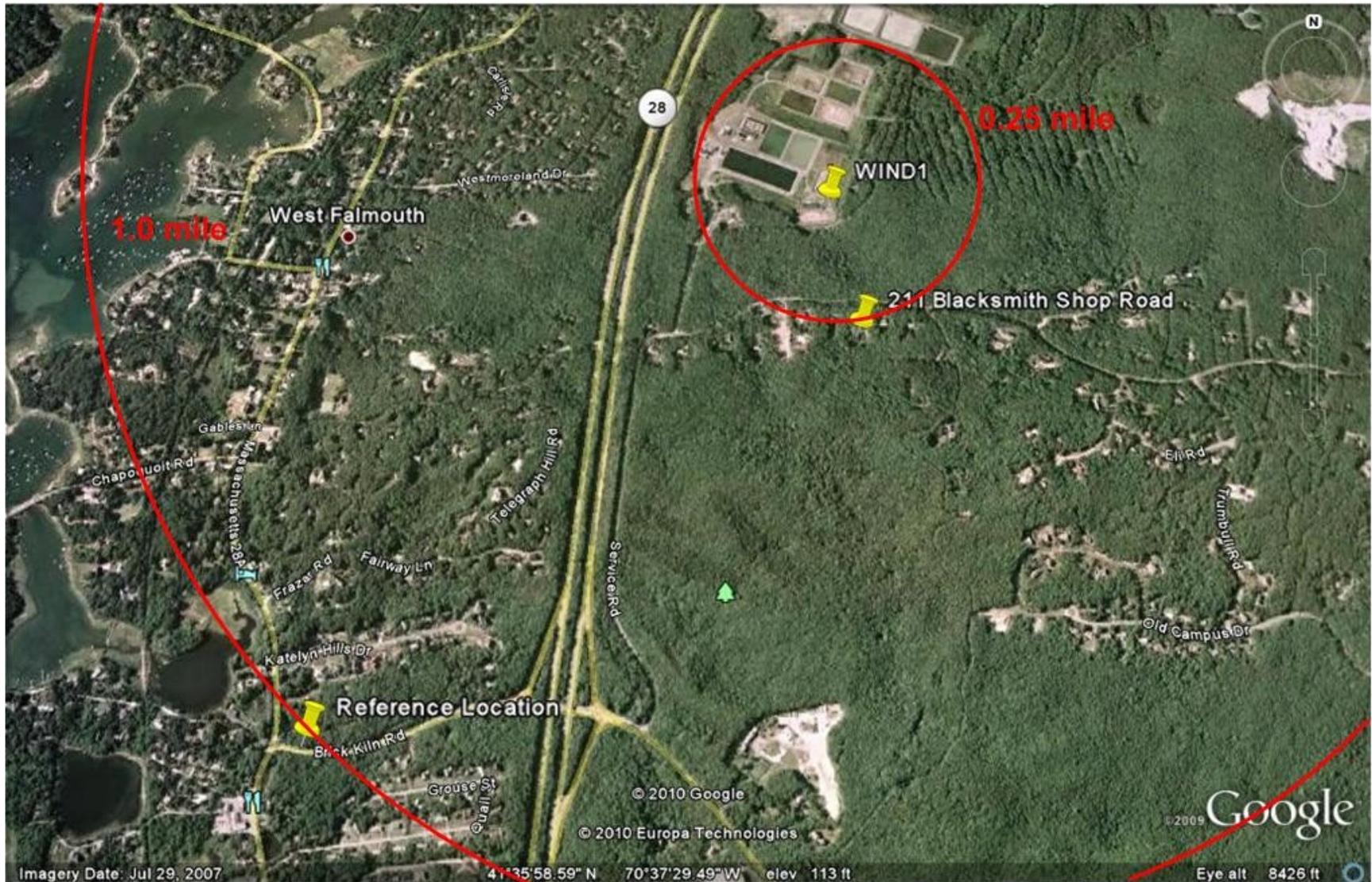
- Larson Davis Model 831 Type 1 Sound Level Meter
- 1/8-second samples to measure time history
- Attended measurements between 7PM – 12 AM

WIND-1 Sound Pressure Measurements

- Set 1 -

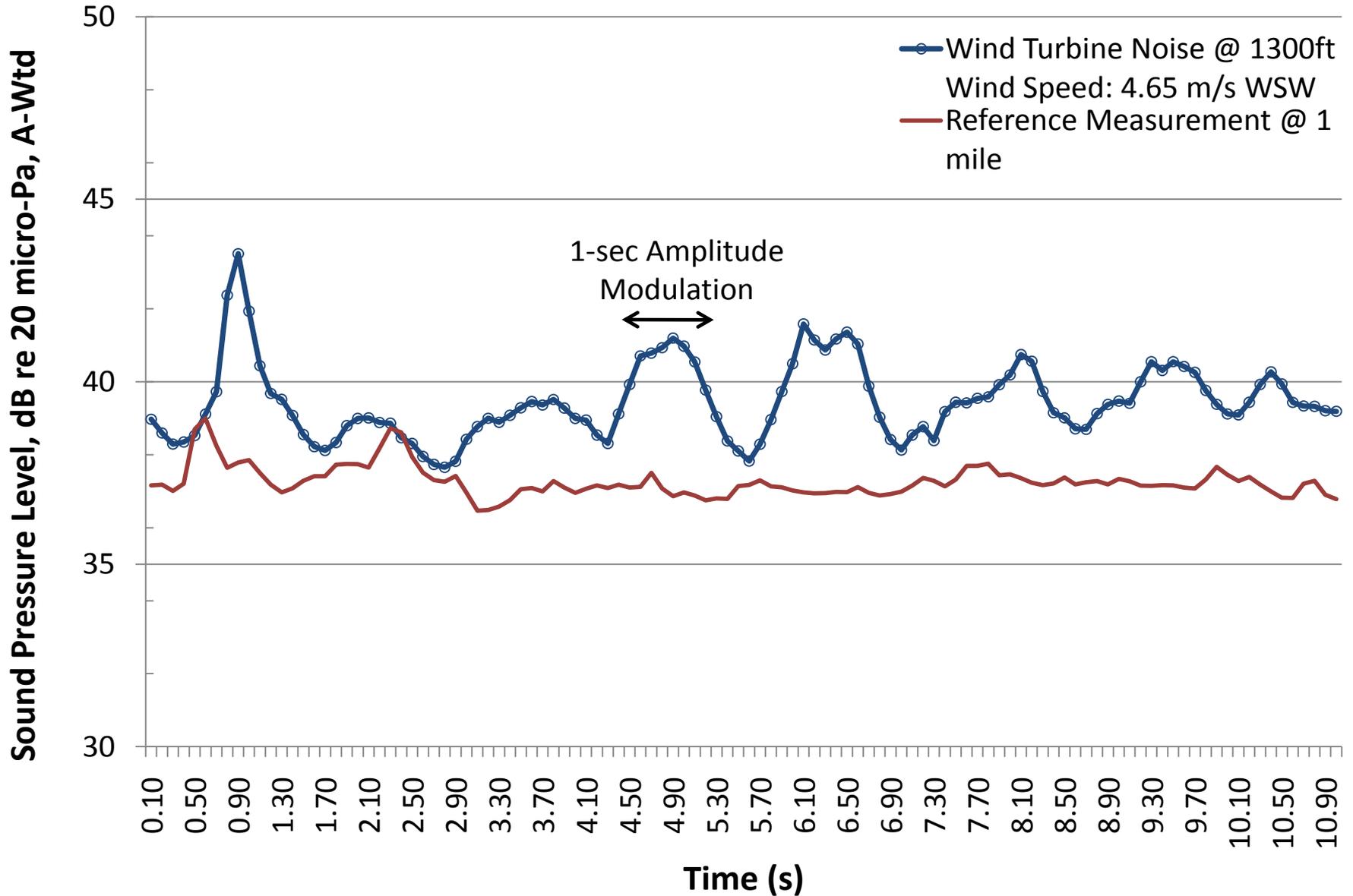
- Sound Pressure Measurements of WIND-1:
 - July 3, 2010 @ 11:00PM
- Ground Wind Speed:
 - 3.5-4.6 m/s, (8-10 mph)
- Location:
 - 211 Blacksmith Shop Road
- The wind turbine was moderately audible. Resident rated severity 4 out of 10.
- Reference measured at Brick Kiln Road.

Measurement Locations



Reference is same distance from Route 28 at 211 Blacksmith Shop Rd.

Measured Time History July 3, 2010

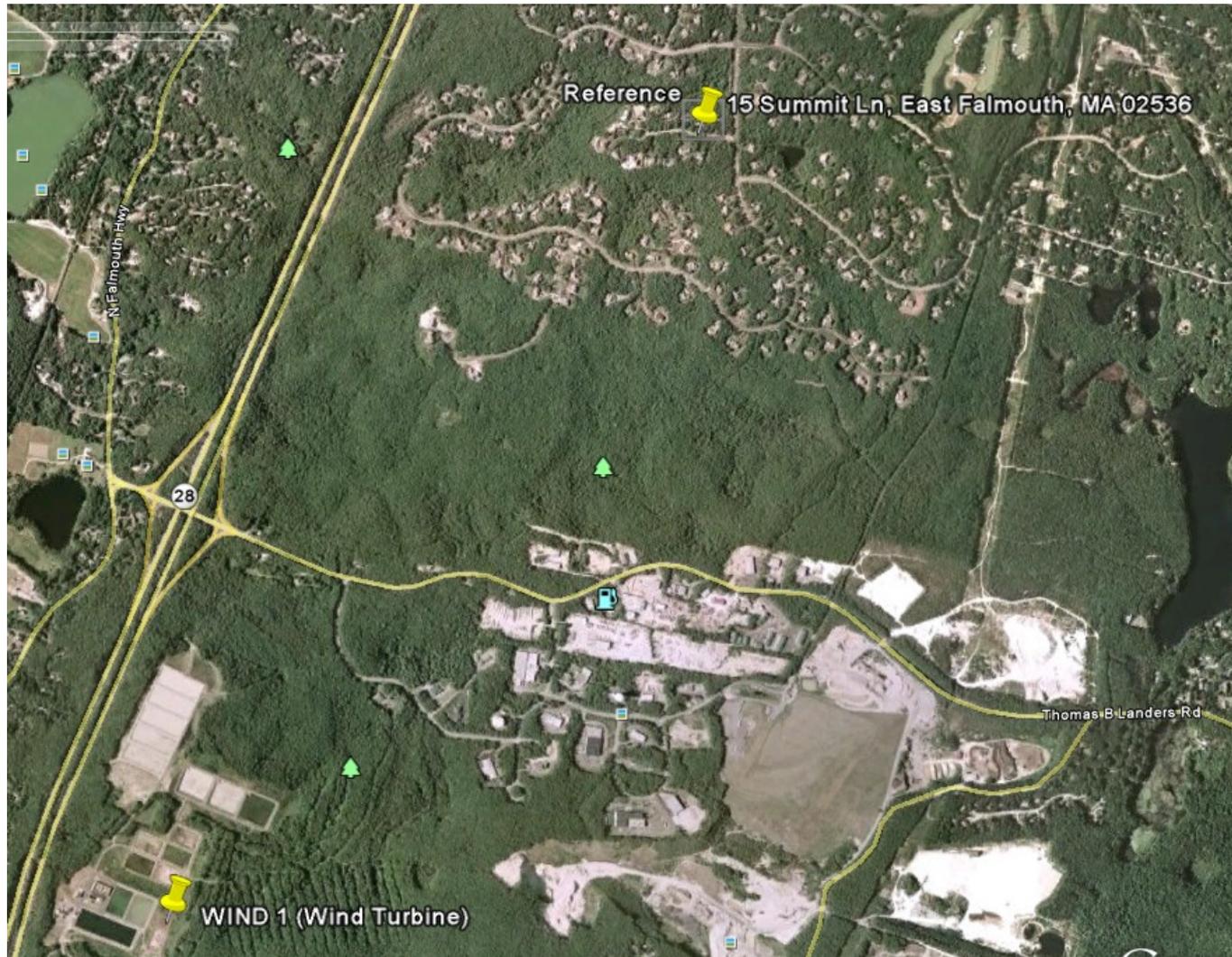


WIND-1 Sound Pressure Measurements

- Set 2 -

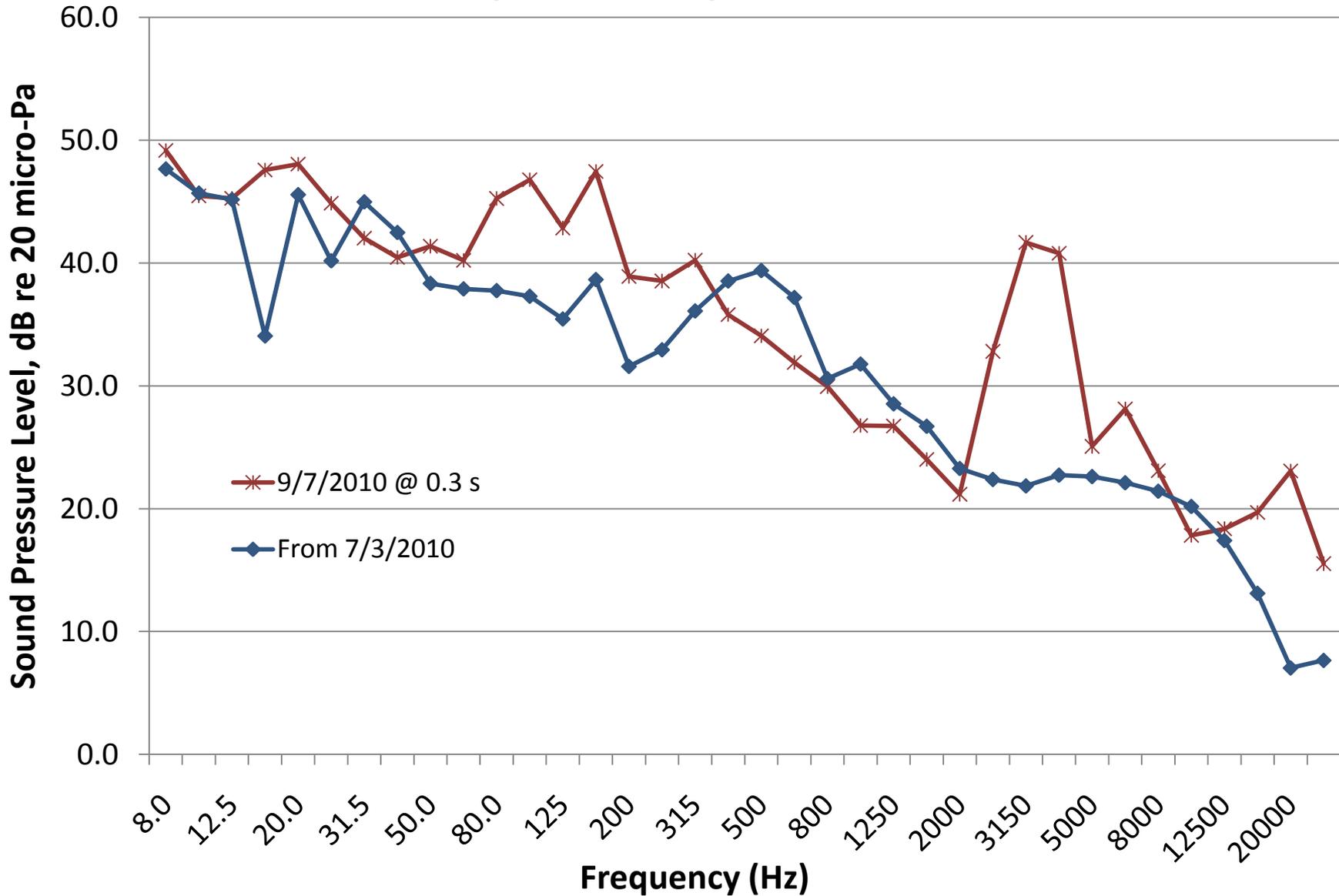
- Sound Pressure Measurements of WIND-1:
 - September 7, 2010 @ 7:30 PM
- Ground Wind Speed:
 - 4.5-7 m/s, (10-15 mph) SW at OTIS AFB
- Location:
 - 211 Blacksmith Shop Road
- Residents: “wind turbine very audible”
- Reference measured at Summit Lane.

Measurement Locations

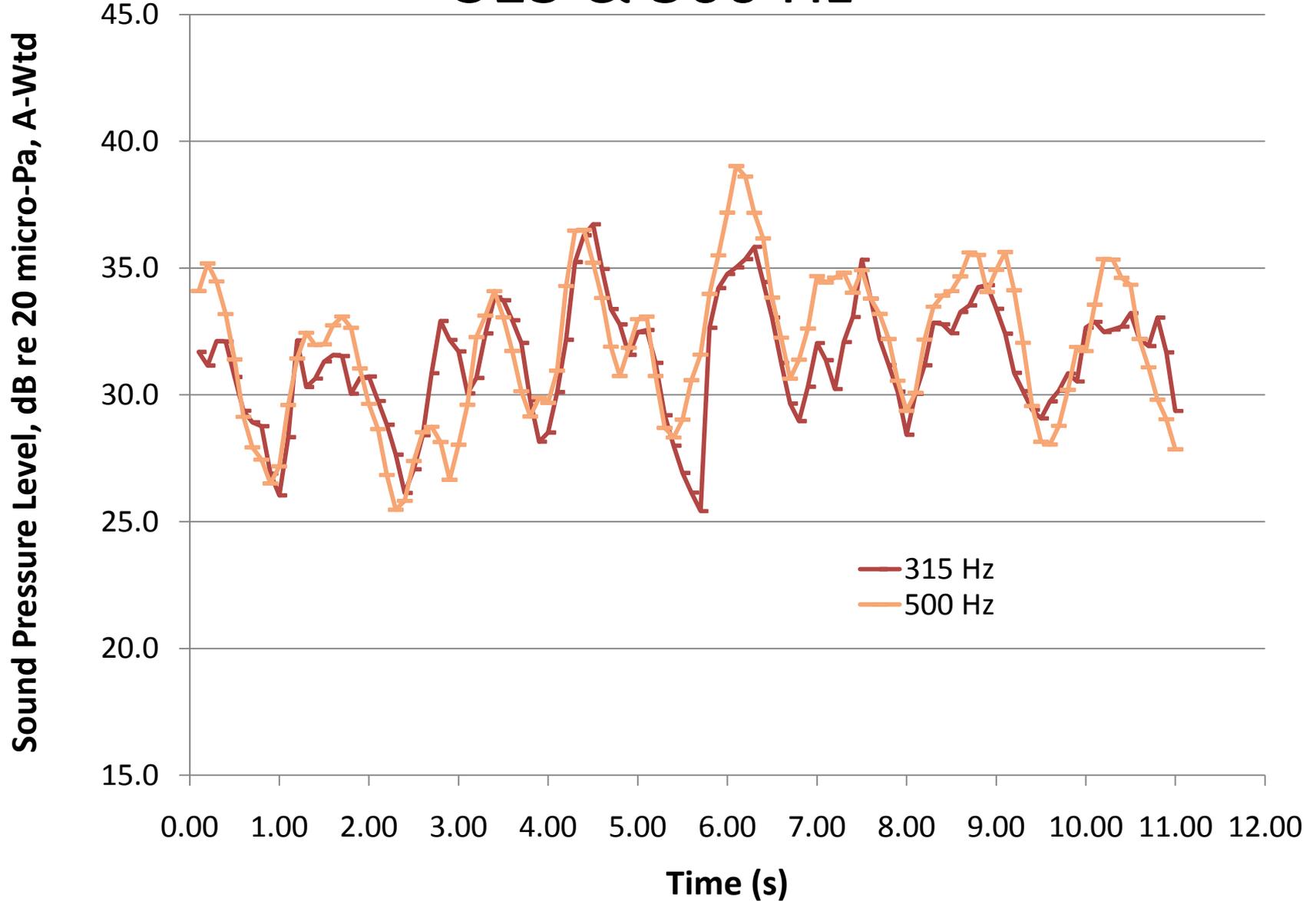


Reference is same distance from Route 28 at 211 Blacksmith Shop Rd.

1/3 Octave Band Sound Pressure Levels July vs. September



Sep. 7, 2010 Time History for Octave Bands 315 & 500 Hz



Time History for Octave Band 500 Hz

July vs. Sep

