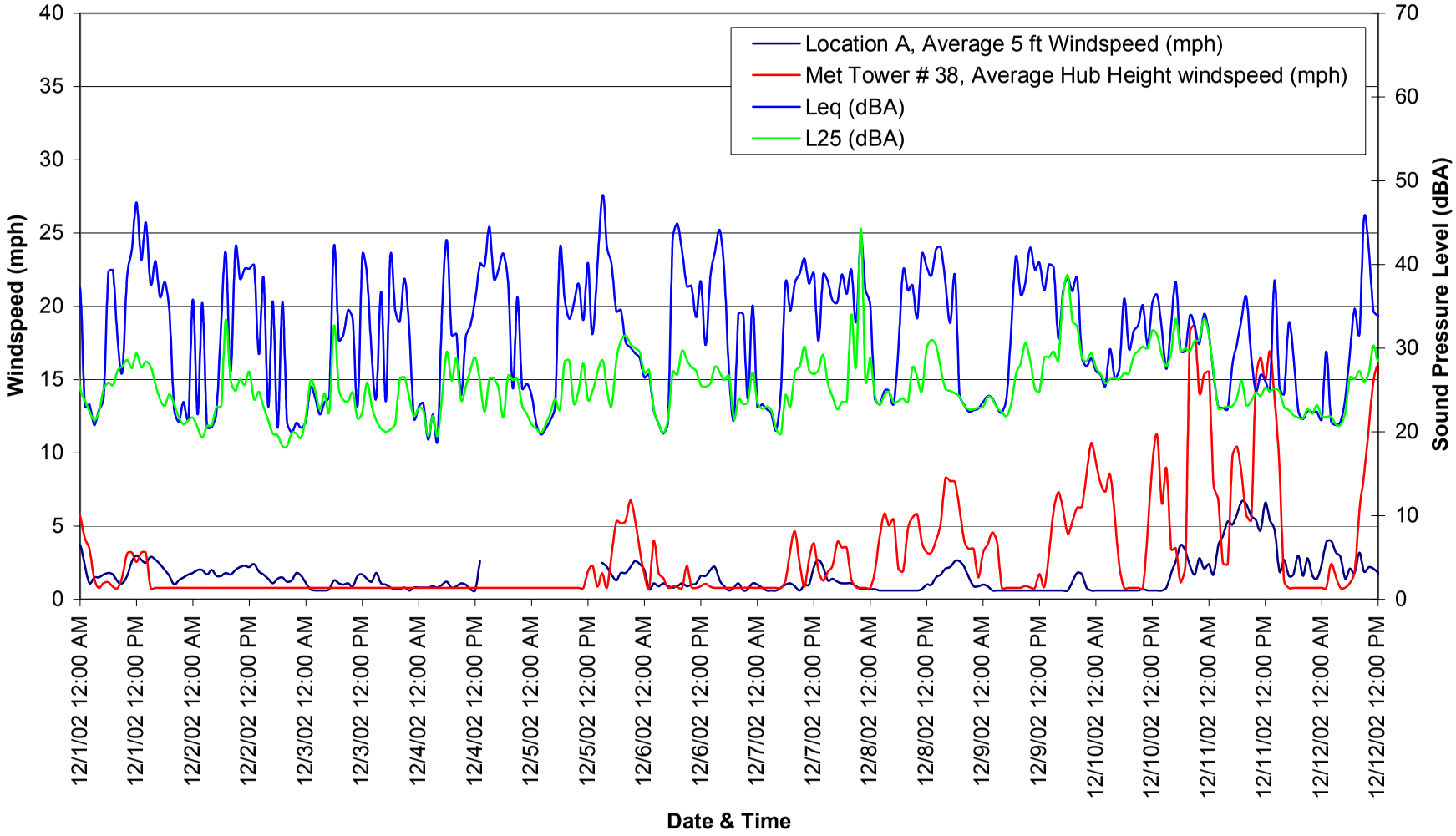
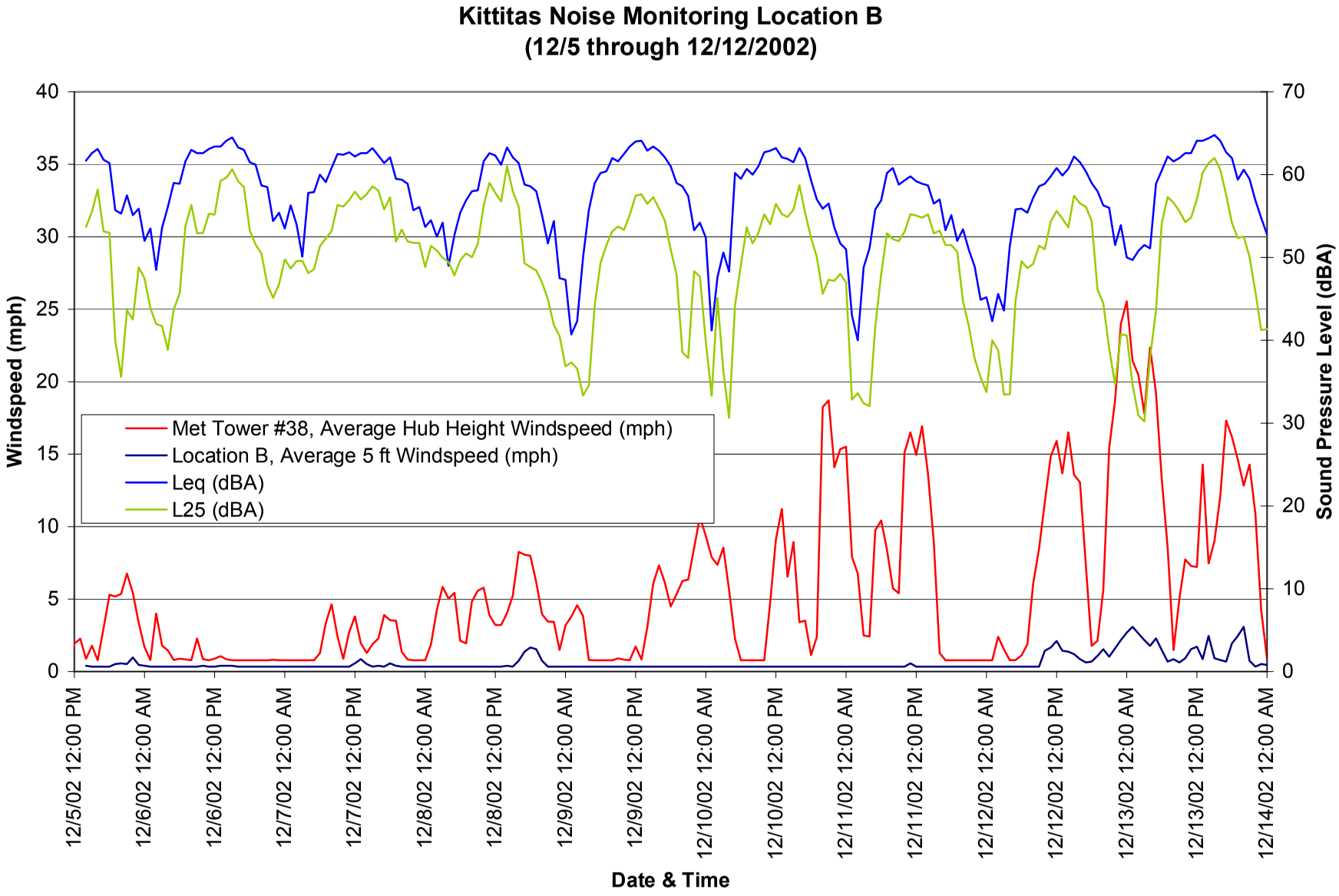
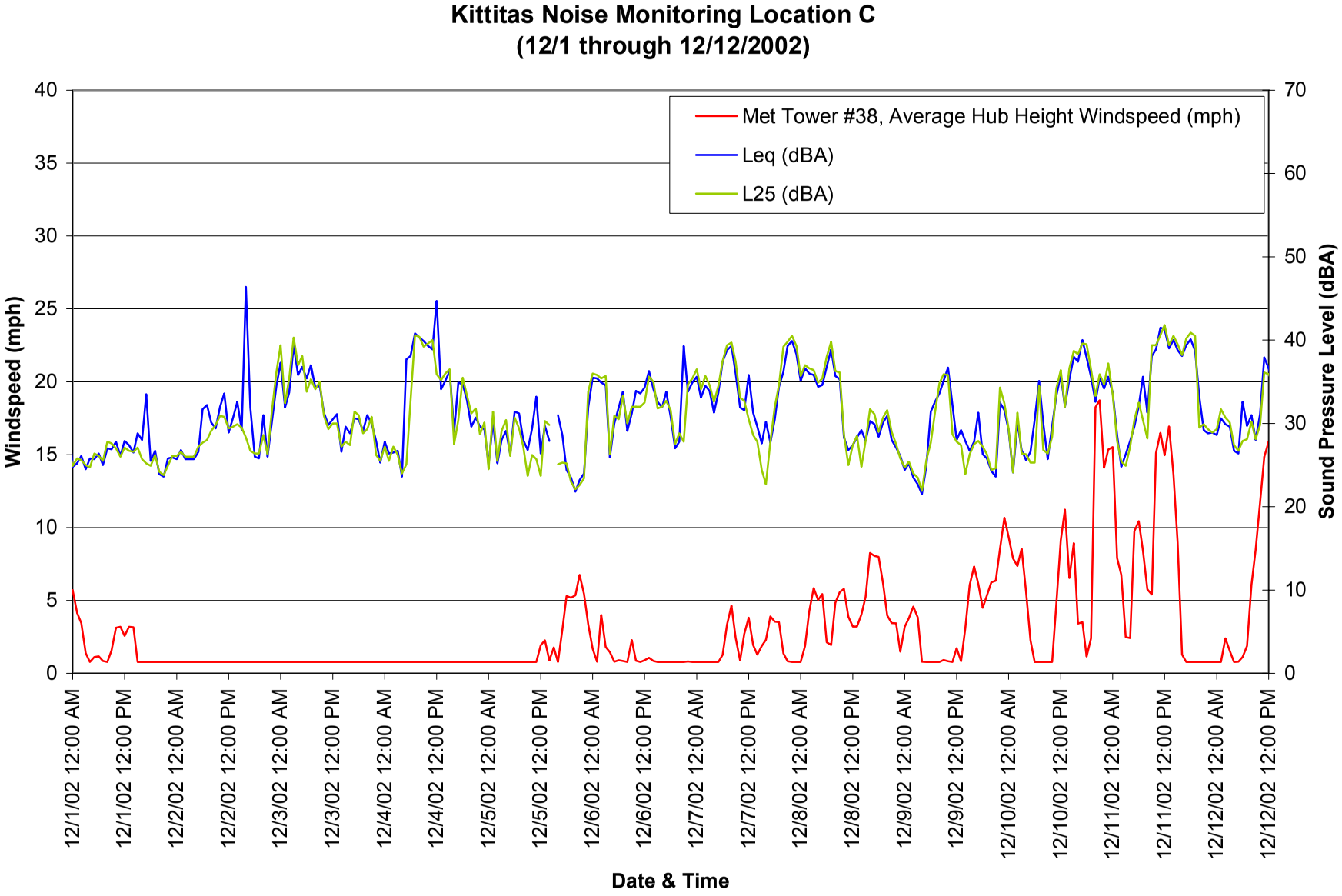
ATTACHMENT 8

Ambient Noise Level Measurements and Enlarged Noise Impact Figures A-E

Kittitas Noise Monitoring Location A
(12/1 through 12/12/2002)




Kittitas Noise Monitoring Location B
(12/5 through 12/12/2002)
Windspeed (mph)
Sound Pressure Level (dBA)
Met Tower #38, Average Hub Height Windspeed (mph)
Location B, Average 5 ft Windspeed (mph)
Leq (dBA)
L25 (dBA)
0
5
10
15
20
25
30
35
40
0
10
20
30
40
50
60
70
12/5/02 12:00 PM
12/6/02 12:00 AM
12/6/02 12:00 PM
12/7/02 12:00 AM
12/7/02 12:00 PM
12/8/02 12:00 AM
12/8/02 12:00 PM
12/9/02 12:00 AM
12/9/02 12:00 PM
12/10/02 12:00 AM
12/10/02 12:00 PM
12/11/02 12:00 AM
12/11/02 12:00 PM
12/12/02 12:00 AM
12/12/02 12:00 PM
12/13/02 12:00 AM
12/13/02 12:00 PM
12/14/02 12:00 AM
Date & Time


Kittitas Noise Monitoring Location C
(12/1 through 12/12/2002)
Met Tower #38, Average Hub Height Windspeed (mph)
Leq (dBA)
L25 (dBA)
Windspeed (mph)
Sound Pressure Level (dBA)
Date & Time
0
5
10
15
20
25
30
35
40
0
10
20
30
40
50
60
70
12/1/02 12:00 AM
12/1/02 12:00 PM
12/2/02 12:00 AM
12/2/02 12:00 PM
12/3/02 12:00 AM
12/3/02 12:00 PM
12/4/02 12:00 AM
12/4/02 12:00 PM
12/5/02 12:00 AM
12/5/02 12:00 PM
12/6/02 12:00 AM
12/6/02 12:00 PM
12/7/02 12:00 AM
12/7/02 12:00 PM
12/8/02 12:00 AM
12/8/02 12:00 PM
12/9/02 12:00 AM
12/9/02 12:00 PM
12/10/02 12:00 AM
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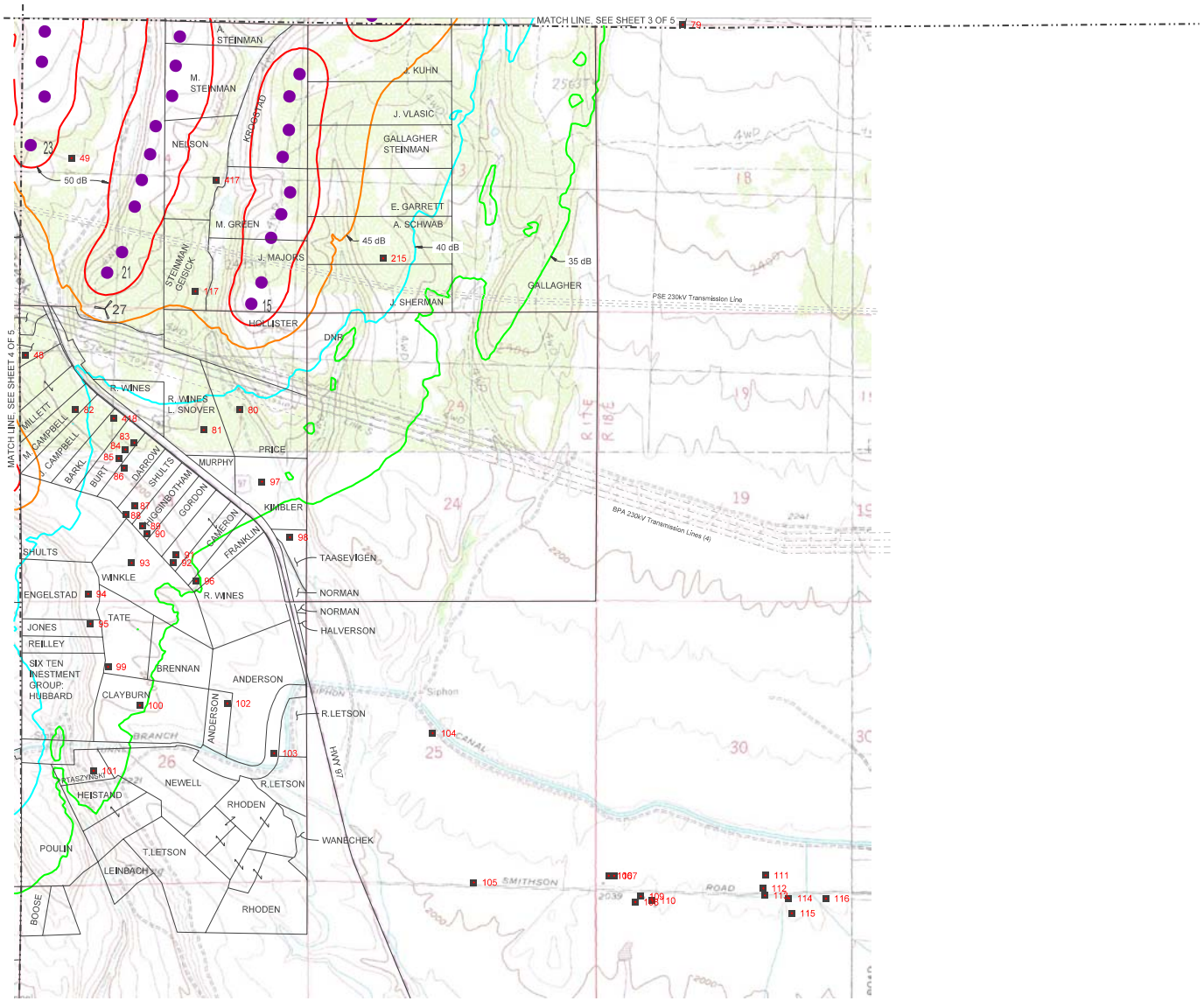
12/11/02 12:00 PM
12/12/02 12:00 AM
12/12/02 12:00 PM



N

0 1000 2000 3000
Scale In Feet

LEGEND:

- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- PROPOSED WTG LOCATION
- N 1 STRING NAME & TURBINE COUNT
- 64 EXISTING HOUSES/BLDGS AND I.D. NUMBER

KEY MAP

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

EXHIBIT 21-2 (Sheet 5 of 5)
NOISE IMPACT ZONES

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003 (REVISED)

CH2MHILL

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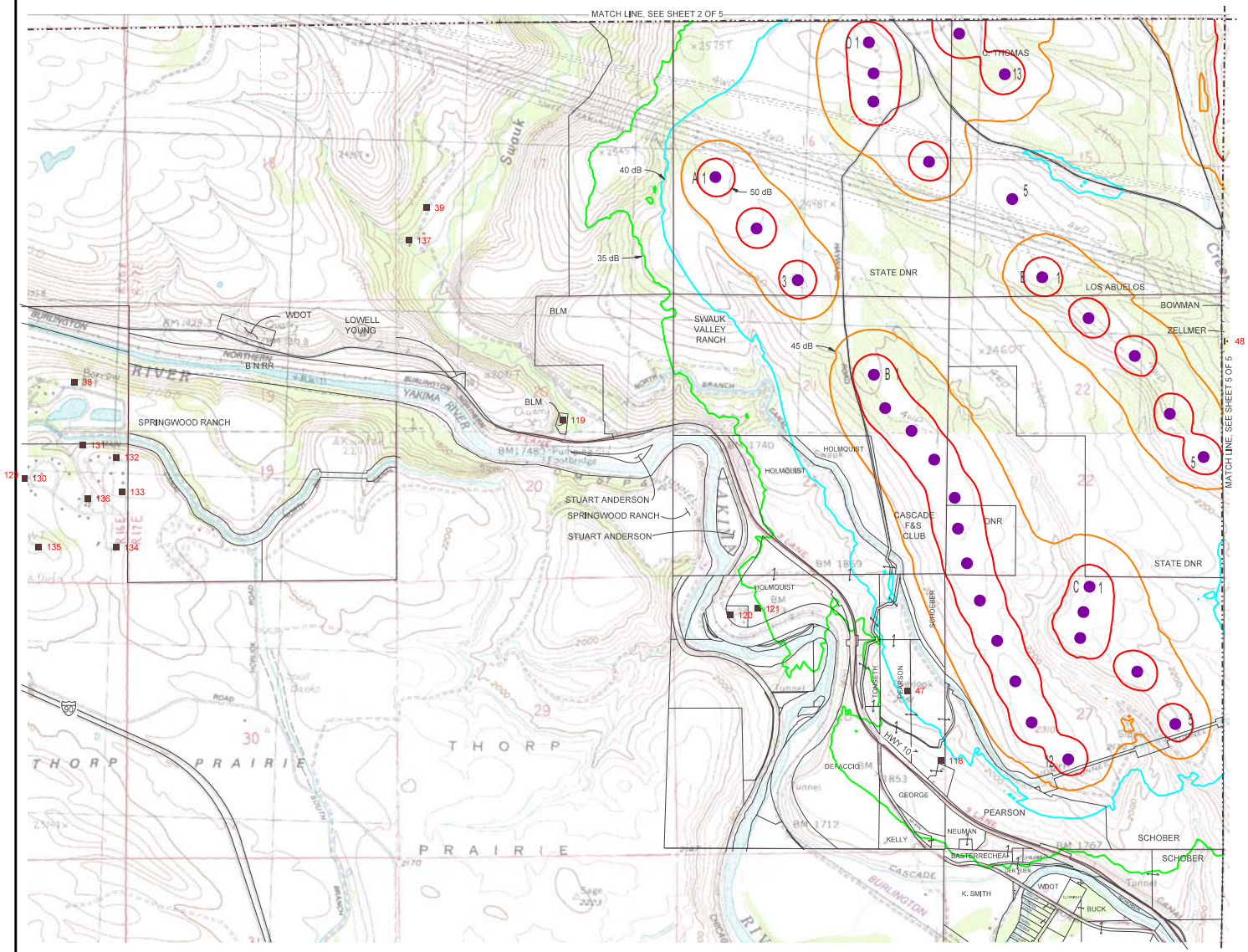

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

EXHIBIT 21-2 (Sheet 4 of 5)
NOISE IMPACT ZONES

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003 (REVISED)

CH2MHILL

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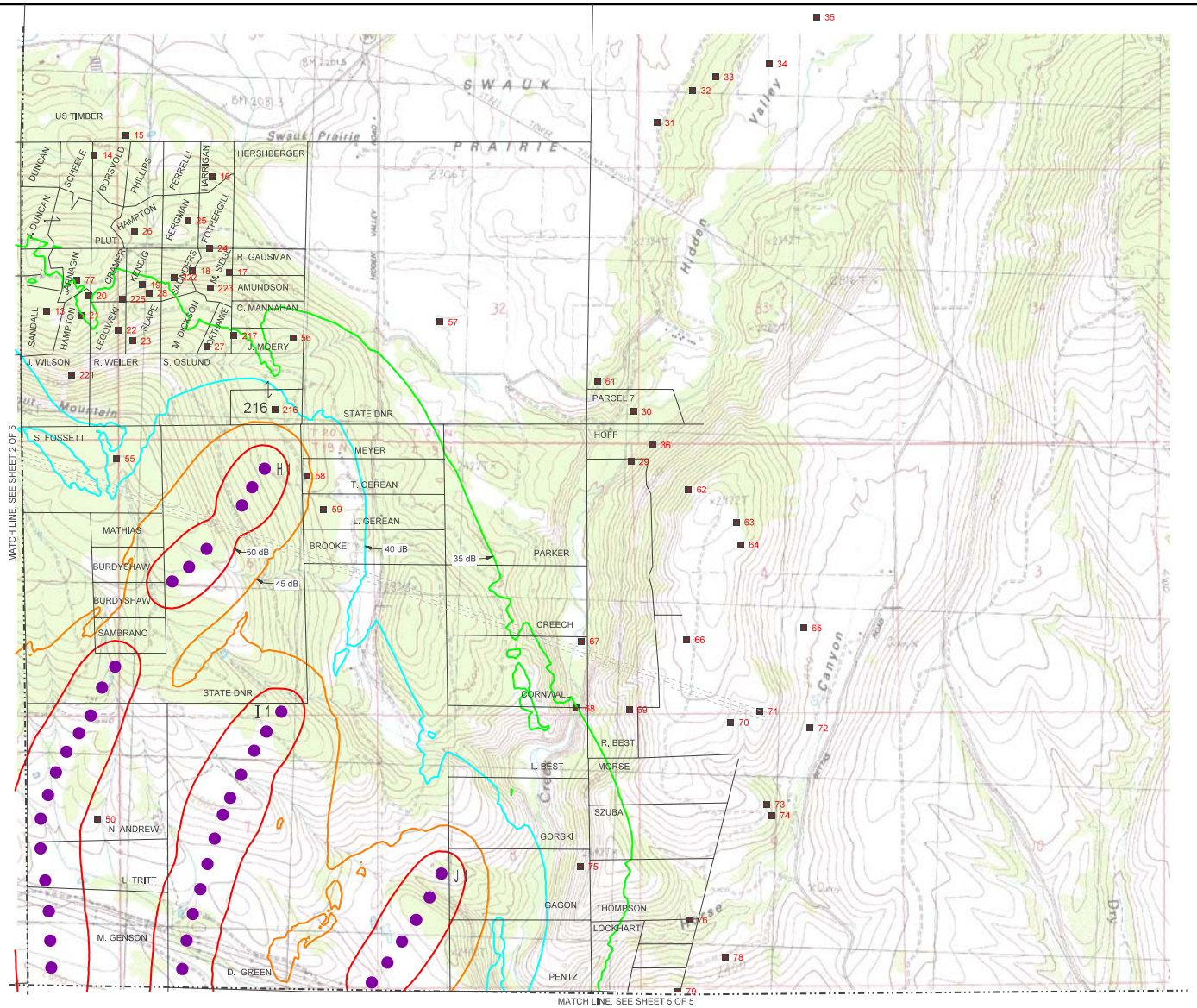

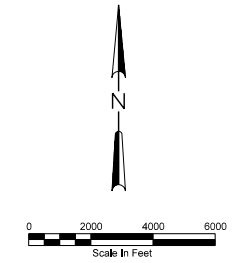

LEGEND:

- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- PROPOSED WTG LOCATION
- N 1 STRING NAME & TURBINE COUNT
- 64 EXISTING HOUSES/BLDGS AND I.D. NUMBER

KEY MAP

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

EXHIBIT 21-2 (Sheet 3 of 5)
NOISE IMPACT ZONES

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003 (REVISED)

CH2MHILL

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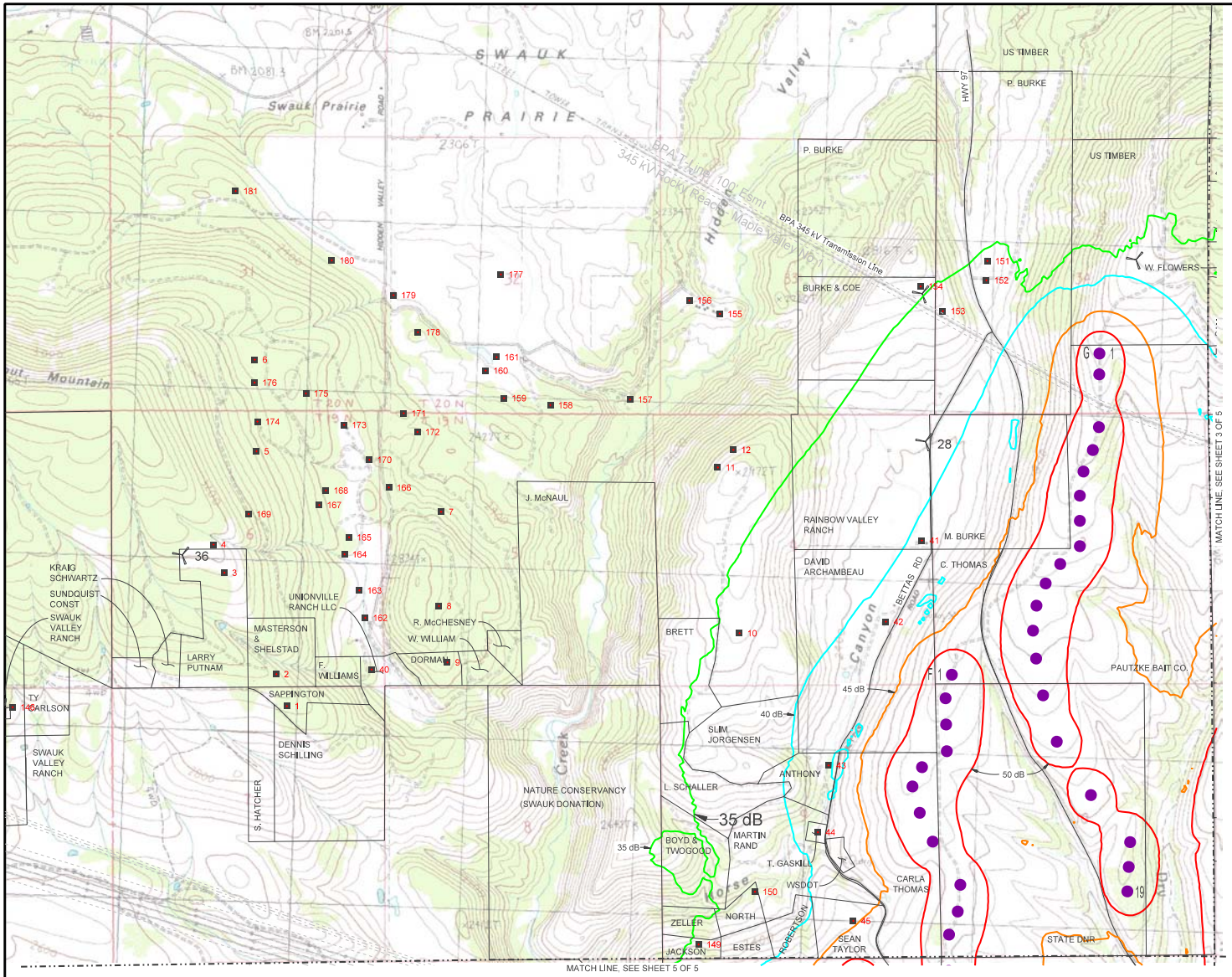

N

0 2000 4000 6000
Scale In Feet

LEGEND:

- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- PROPOSED WTG LOCATION
- N 1 STRING NAME & TURBINE COUNT
- 64 EXISTING HOUSES/BLDGS AND I.D. NUMBER

KEY MAP

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

EXHIBIT 21-2 (Sheet 2 of 5)
NOISE IMPACT ZONES

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003 (REVISED)

CH2MHILL

170365.C1

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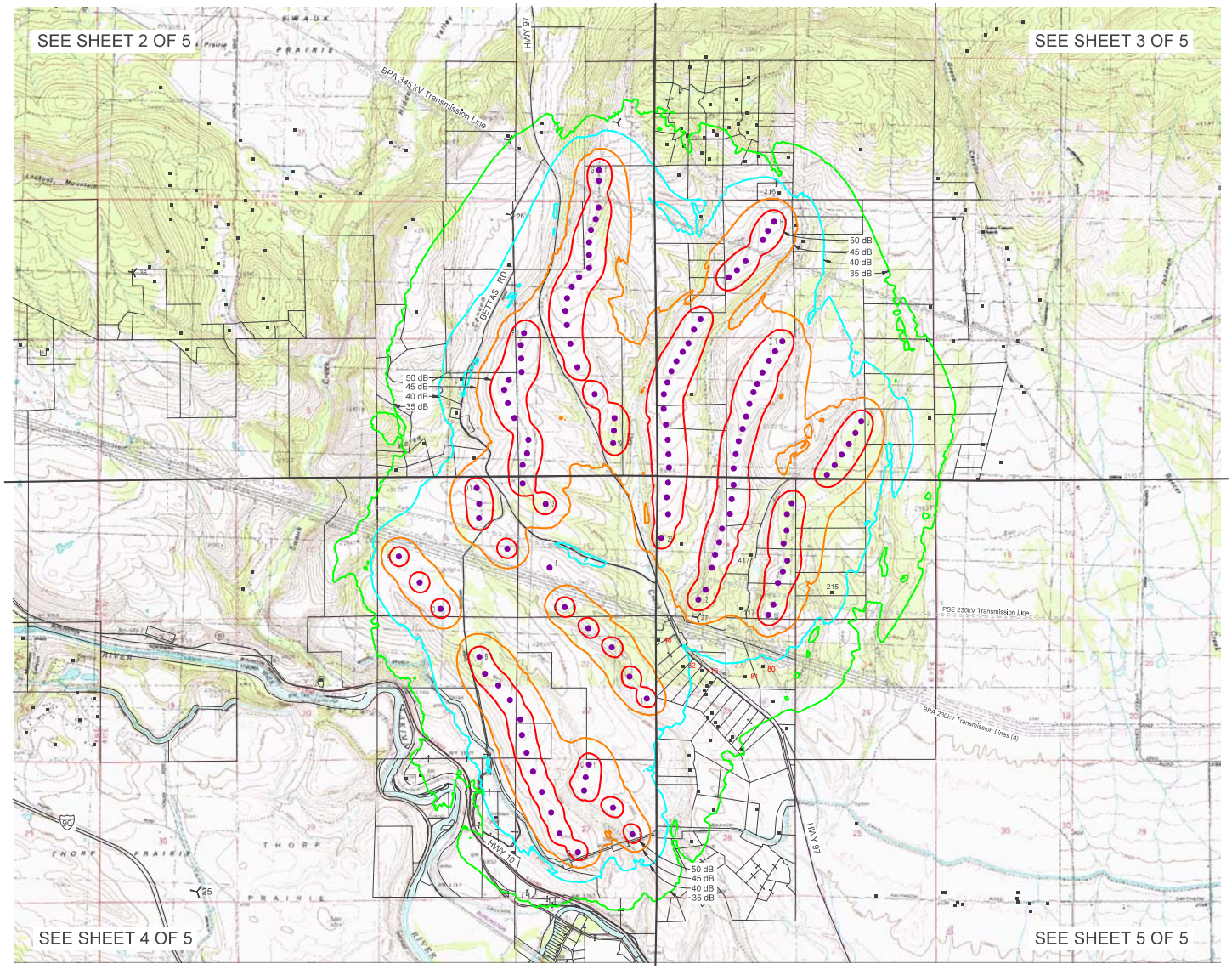

N

0 2000 4000 6000
Scale In Feet

LEGEND:

- 35 dB(A)
- 40 dB(A)
- 45 dB(A)
- 50 dB(A)
- PROPOSED WTG LOCATION
- STRING NAME & TURBINE COUNT
- EXISTING HOUSES/BLDGS

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

EXHIBIT 21-2 (Sheet 1 of 5)
NOISE IMPACT ZONES

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003

CH2MHILL

170365.C1
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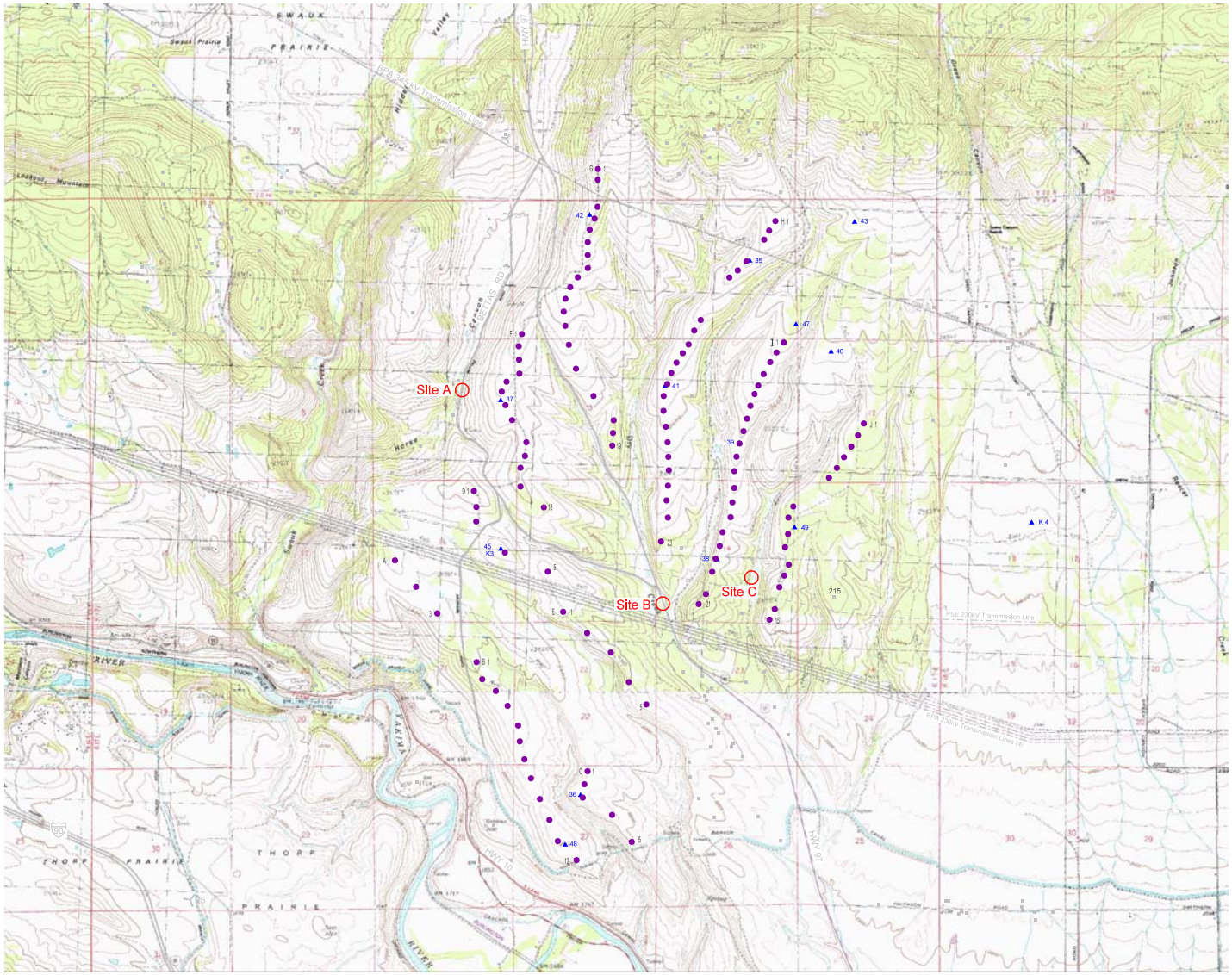

N

0 2000 4000 6000

Scale In Feet

LEGEND:

- Site A — NOISE RECEPTOR LOCATION
- PROPOSED WTG LOCATION
- N 1 — STRING NAME & TURBINE COUNT
- EXISTING HOUSES/BLDGS
- K 4 — EXISTING MET TOWER

Sagebrush Power Partners, LLC
Zilkha Renewable Energy

FIGURE
NOISE MONITORING LOCATIONS

APPLICATION FOR SITE CERTIFICATE
KITTITAS VALLEY WIND POWER PROJECT
APRIL 2003 (REVISED)

CH2MHILL

170365.C1
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