Licensed user:
Infinite Renewables Limited
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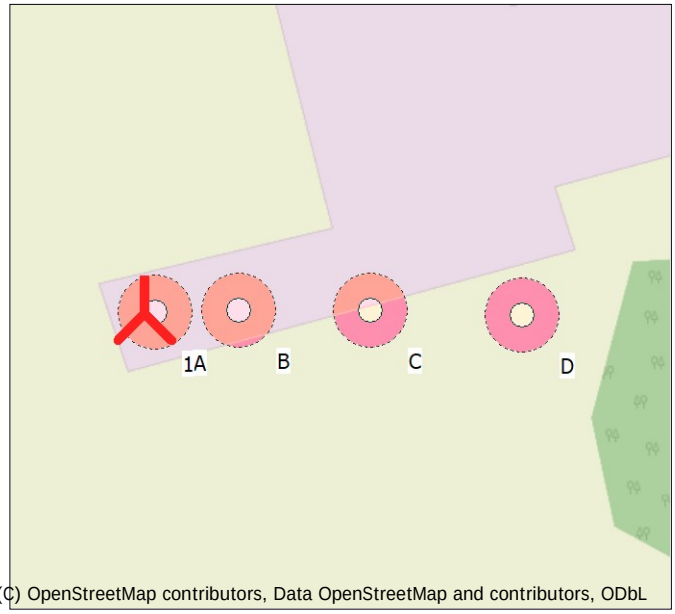
Ioan / ioan@infiniterenewables.com
Calculated:
20/11/2025 16:48/4.0.424

DECIBEL - Main Result

Calculation: Grange Moor Decibel Report

Noise calculation model:
ISO 9613-2 General
Wind speed (at 10 m height):
4.0 m/s - 10.0 m/s, step 1.0 m/s
Ground attenuation:
General, Ground factor: 0.0
Valley effect, Penalty: 1.5 dB
Topographic screening, Reduction: 2.0 dB
Meteorological coefficient, C0:
Selected option: Fixed value: 0.0 dB
Type of demand in calculation:
3: WTG noise is compared to ambient noise plus margin (UK, AT etc.)
Noise values in calculation:
All noise values are 90% exceedance values (L90)
Pure tones:
Fixed penalty added to source noise of WTGs with pure tones
Model: 5.0 dB(A)
Height above ground level, when no value in NSA object:
0.0 m; Don't allow override of model height with height from NSA object
Uncertainty margin:
0.0 dB; Uncertainty margin in NSA has priority
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:
0.0 dB(A)

All coordinates are in
British TM-OSGB36/Airy (GB/IE)



WTGs

	Easting	Northing	Z	Row data/Description	WTG type Valid	Manufact.	Type-generator	Power, rated	Rotor diameter	Hub height	Noise data Creator	Name	First wind speed	LwaRef	Last wind speed	LwaRef
			[m]					[kW]	[m]	[m]			[m/s]	[dB(A)]	[m/s]	[dB(A)]
1	422,048	415,236	221.0	Bestwatt BW80 80 15.9...	No	Bestwatt	BW80-80	80	15.9	15.0	USER	Noise (1)	4.0	83.9 h	5.0	85.6 h

h) Generic octave distribution used

Calculation Results

Sound level

Noise sensitive area No.	Name	Easting	Northing	Z [m]	Immission height [m]	Most critical demand Wind speed [m/s]	Demand [dB(A)]	Predicted sound level WTG noise [dB(A)]	Max exceedence [dB(A)]	Demands fulfilled ? Noise
A	3m	422,051	415,236	220.9	0.0	5.0	35.0	53.3	18.3	No
B	25m	422,073	415,237	220.0	0.0	5.0	35.0	46.1	11.1	No
C	60m	422,108	415,237	218.3	0.0	5.0	35.0	39.4	4.4	No
D	100m	422,148	415,236	216.5	0.0	5.0	35.0	35.0	0.0	**Yes**

Distances (m)

	WTG
NSA	1
A	3
B	25
C	60
D	100

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DECIBEL - Detailed results

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

Assumptions

Calculated L(DW) = LWA,ref + K + Dc - (Adiv + Aatm + Agr + Abar + Amisc) - Cmet + Cvalley - Cscreen
(when calculated with ground attenuation, then Dc = Domega)

LWA,ref:	Sound pressure level at WTG
K:	Pure tone
Dc:	Directivity correction
Adiv:	the attenuation due to geometrical divergence
Aatm:	the attenuation due to atmospheric absorption
Agr:	the attenuation due to ground effect
Abar:	the attenuation due to a barrier
Amisc:	the attenuation due to miscellaneous other effects
Cmet:	Meteorological correction
Cvalley:	Valley effect
Cscreen:	Topographic screening

Calculation Results

Noise sensitive area: A 3m

Wind speed: 4.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	51.63	81.9	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 5.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	53.33	83.6	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 6.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	55.83	86.1	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 7.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	58.53	88.8	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	61.23	91.5	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 9.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	63.83	94.1	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

Wind speed: 10.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]	Cvalley [dB]
1	3	15	65.93	96.2	0.00	34.70	-	-	0.00	0.00	-	1.50

- Data undefined due to calculation with octave data

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DECIBEL - Detailed results

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

Noise sensitive area: B 25m

Wind speed: 4.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	44.37	81.9	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 5.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	46.07	83.6	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 6.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	48.57	86.1	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 7.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	51.27	88.8	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	53.97	91.5	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 9.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	56.57	94.1	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 10.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	25	29	58.67	96.2	0.00	40.39	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Noise sensitive area: C 60m

Wind speed: 4.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	37.69	81.9	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 5.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	39.39	83.6	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 6.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	41.89	86.1	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

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20/11/2025 16:48/4.0.424

DECIBEL - Detailed results

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

Wind speed: 7.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	44.59	88.8	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	47.29	91.5	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 9.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	49.89	94.1	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 10.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	60	63	51.99	96.2	0.00	46.93	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Noise sensitive area: D 100m

Wind speed: 4.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	33.29	81.9	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 5.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	34.99	83.6	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 6.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	37.49	86.1	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 7.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	40.19	88.8	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 8.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	42.89	91.5	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

Wind speed: 9.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	45.49	94.1	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

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DECIBEL - Detailed results

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

Wind speed: 10.0 m/s
WTG

No.	Distance [m]	Sound distance [m]	Calculated [dB(A)]	LwA,ref [dB(A)]	Dc [dB]	Adiv [dB]	Aatm [dB]	Agr [dB]	Abar [dB]	Amisc [dB]	A [dB]
1	100	102	47.59	96.2	0.00	51.17	-	-	0.00	0.00	-

- Data undefined due to calculation with octave data

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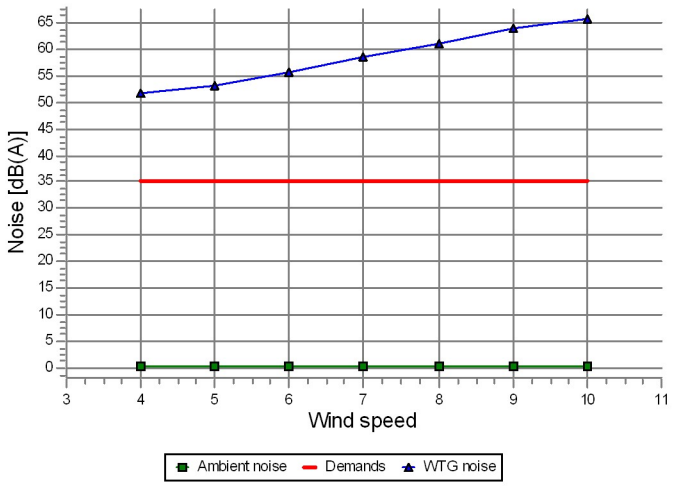
DECIBEL - Detailed results, graphic

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

A 3m



Sound level

Wind speed	Ambient noise	Margin	Demands	WTG noise	Demands fulfilled ?
[m/s]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	
4.0	0.1	0.0	35.0	51.6	No
5.0	0.1	0.0	35.0	53.3	No
6.0	0.1	0.0	35.0	55.8	No
7.0	0.1	0.0	35.0	58.5	No
8.0	0.1	0.0	35.0	61.2	No
9.0	0.1	0.0	35.0	63.8	No
10.0	0.1	0.0	35.0	65.9	No

Calculated noise [dB(A)]

Wind speed [m/s]	
4.0	51.6
5.0	53.3
6.0	55.8
7.0	58.5
8.0	61.2
9.0	63.8
10.0	65.9

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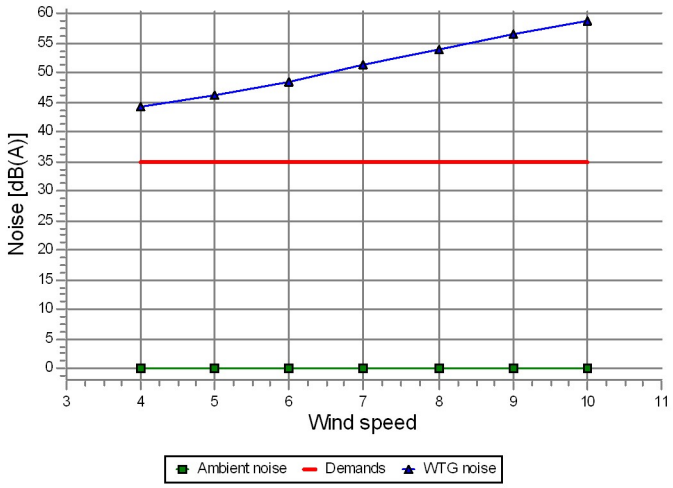
DECIBEL - Detailed results, graphic

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

B 25m



Sound level

Wind speed	Ambient noise	Margin	Demands	WTG noise	Demands fulfilled ?
[m/s]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	
4.0	0.1	0.0	35.0	44.4	No
5.0	0.1	0.0	35.0	46.1	No
6.0	0.1	0.0	35.0	48.6	No
7.0	0.1	0.0	35.0	51.3	No
8.0	0.1	0.0	35.0	54.0	No
9.0	0.1	0.0	35.0	56.6	No
10.0	0.1	0.0	35.0	58.7	No

Calculated noise [dB(A)]

Wind speed [m/s]	
4.0	44.4
5.0	46.1
6.0	48.6
7.0	51.3
8.0	54.0
9.0	56.6
10.0	58.7

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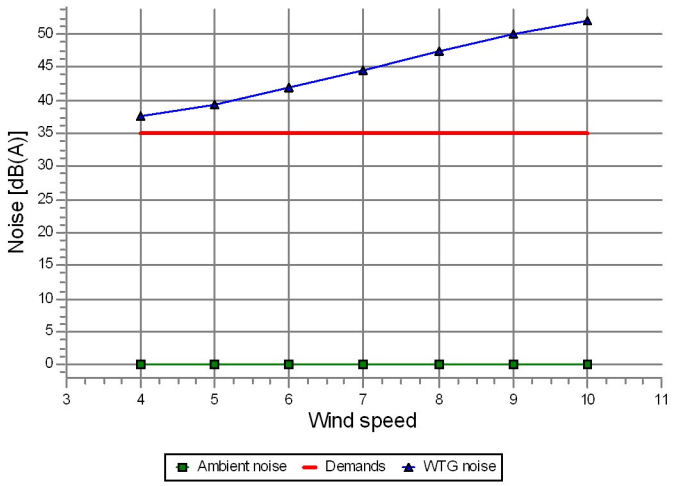
DECIBEL - Detailed results, graphic

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

C 60m



Sound level

Wind speed	Ambient noise	Margin	Demands	WTG noise	Demands fulfilled ?
[m/s]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	
4.0	0.1	0.0	35.0	37.7	No
5.0	0.1	0.0	35.0	39.4	No
6.0	0.1	0.0	35.0	41.9	No
7.0	0.1	0.0	35.0	44.6	No
8.0	0.1	0.0	35.0	47.3	No
9.0	0.1	0.0	35.0	49.9	No
10.0	0.1	0.0	35.0	52.0	No

Calculated noise [dB(A)]

Wind speed [m/s]	
4.0	37.7
5.0	39.4
6.0	41.9
7.0	44.6
8.0	47.3
9.0	49.9
10.0	52.0

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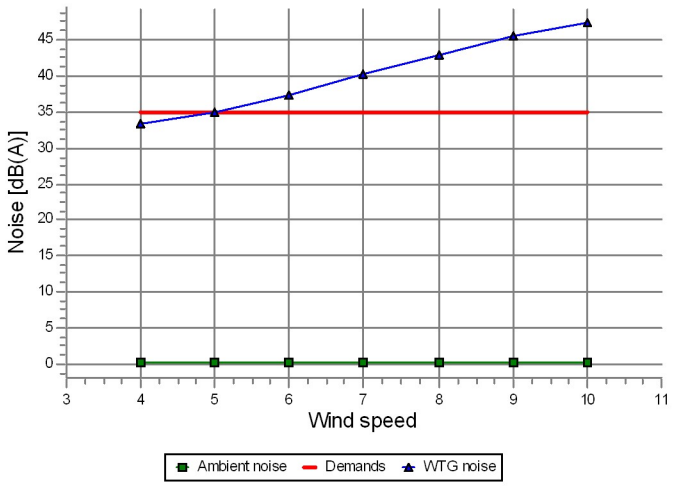
DECIBEL - Detailed results, graphic

Calculation: Grange Moor Decibel Report Noise calculation model: ISO 9613-2 General

D 100m



Sound level

Wind speed	Ambient noise	Margin	Demands	WTG noise	Demands fulfilled ?
[m/s]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	
4.0	0.1	0.0	35.0	33.3	Yes
5.0	0.1	0.0	35.0	35.0	Yes
6.0	0.1	0.0	35.0	37.5	No
7.0	0.1	0.0	35.0	40.2	No
8.0	0.1	0.0	35.0	42.9	No
9.0	0.1	0.0	35.0	45.5	No
10.0	0.1	0.0	35.0	47.6	No

Calculated noise [dB(A)]

Wind speed [m/s]	
4.0	33.3
5.0	35.0
6.0	37.5
7.0	40.2
8.0	42.9
9.0	45.5
10.0	47.6

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DECIBEL - Assumptions for noise calculation

Calculation: Grange Moor Decibel Report

Noise calculation model:
ISO 9613-2 General
Wind speed (at 10 m height):
4.0 m/s - 10.0 m/s, step 1.0 m/s
Ground attenuation:
General, Ground factor: 0.0
Valley effect, Penalty: 1.5 dB
Topographic screening, Reduction: 2.0 dB
Meteorological coefficient, C0:
Selected option: Fixed value: 0.0 dB
Type of demand in calculation:
3: WTG noise is compared to ambient noise plus margin (UK, AT etc.)
Noise values in calculation:
All noise values are 90% exceedance values (L90)
Pure tones:
Fixed penalty added to source noise of WTGs with pure tones
Model: 5.0 dB(A)
Height above ground level, when no value in NSA object:
0.0 m; Don't allow override of model height with height from NSA object
Uncertainty margin:
0.0 dB; Uncertainty margin in NSA has priority
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:
0.0 dB(A)
Octave data required
Frequency dependent air absorption

63	125	250	500	1,000	2,000	4,000	8,000
[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]	[dB/km]
0.10	0.40	1.00	1.90	3.70	9.70	32.80	117.00

All coordinates are in
British TM-OSGB36/Airy (GB/IE)

WTG: Bestwatt BW80 80 15.9 !O!

Noise: Noise (1)

Source	Source/Date	Creator	Edited
	11/11/2025	USER	11/11/2025 12:18

	Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones		Octave data 63 [dB]	125 [dB]	250 [dB]	500 [dB]	1000 [dB]	2000 [dB]	4000 [dB]	8000 [dB]
From other hub height		15.0	4.0	83.9	No	Generic data	65.5	72.5	75.9	78.5	78.3	75.4	70.6	61.1
From other hub height		15.0	5.0	85.6	No	Generic data	67.2	74.2	77.6	80.2	80.0	77.1	72.3	62.8
From other hub height		15.0	6.0	88.1	No	Generic data	69.7	76.7	80.1	82.7	82.5	79.6	74.8	65.3
From other hub height		15.0	7.0	90.8	No	Generic data	72.4	79.4	82.8	85.4	85.2	82.3	77.5	68.0
From other hub height		15.0	8.0	93.5	No	Generic data	75.1	82.1	85.5	88.1	87.9	85.0	80.2	70.7
From other hub height		15.0	9.0	96.1	No	Generic data	77.7	84.7	88.1	90.7	90.5	87.6	82.8	73.3
From other hub height		15.0	10.0	98.2	No	Generic data	79.8	86.8	90.2	92.8	92.6	89.7	84.9	75.4

Noise sensitive area: A 3m

Predefined calculation standard:
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Ambient noise: 0.1 dB(A)
Margin or Allowed additional exposure: 0.0 dB(A)
Sound level always accepted: 35.0 dB(A)
No distance demand

Noise sensitive area: B 25m

Predefined calculation standard:
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Ambient noise: 0.1 dB(A)
Margin or Allowed additional exposure: 0.0 dB(A)
Sound level always accepted: 35.0 dB(A)
No distance demand

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DECIBEL - Assumptions for noise calculation

Calculation: Grange Moor Decibel Report

Noise sensitive area: C 60m

Predefined calculation standard:
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Ambient noise: 0.1 dB(A)
Margin or Allowed additional exposure: 0.0 dB(A)
Sound level always accepted: 35.0 dB(A)
No distance demand

Noise sensitive area: D 100m

Predefined calculation standard:
Immission height(a.g.l.): Use standard value from calculation model
Uncertainty margin: Use default value from calculation model
No temporal binning
Ambient noise: 0.1 dB(A)
Margin or Allowed additional exposure: 0.0 dB(A)
Sound level always accepted: 35.0 dB(A)
No distance demand

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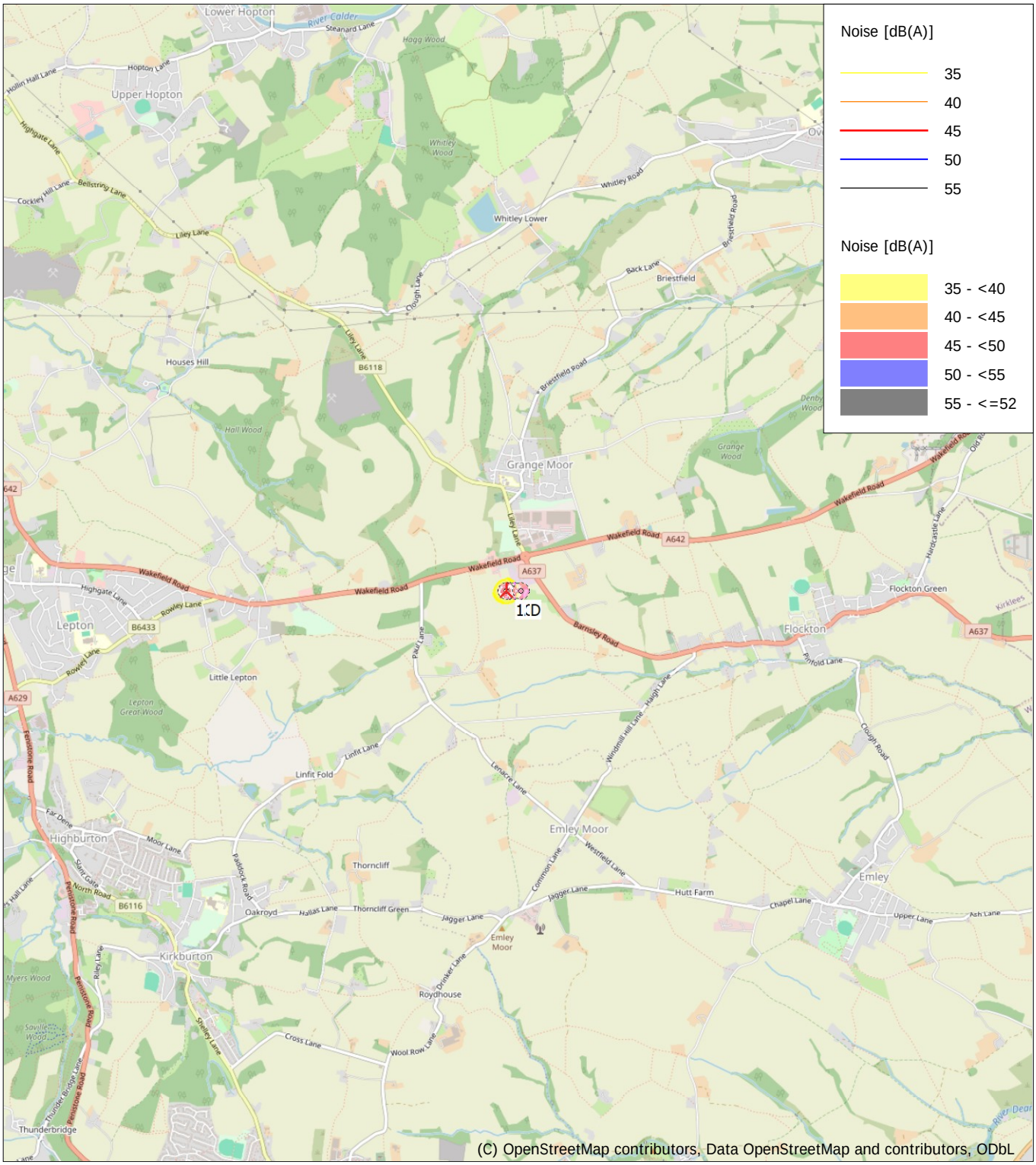
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

Map: EMD OpenStreetMap , Print scale 1:40,000, Map center British TM-OSGB36/Airy (GB/IE) East: 422,048 North: 415,236

New WTG Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 4.0 m/s
Height above sea level from active line object

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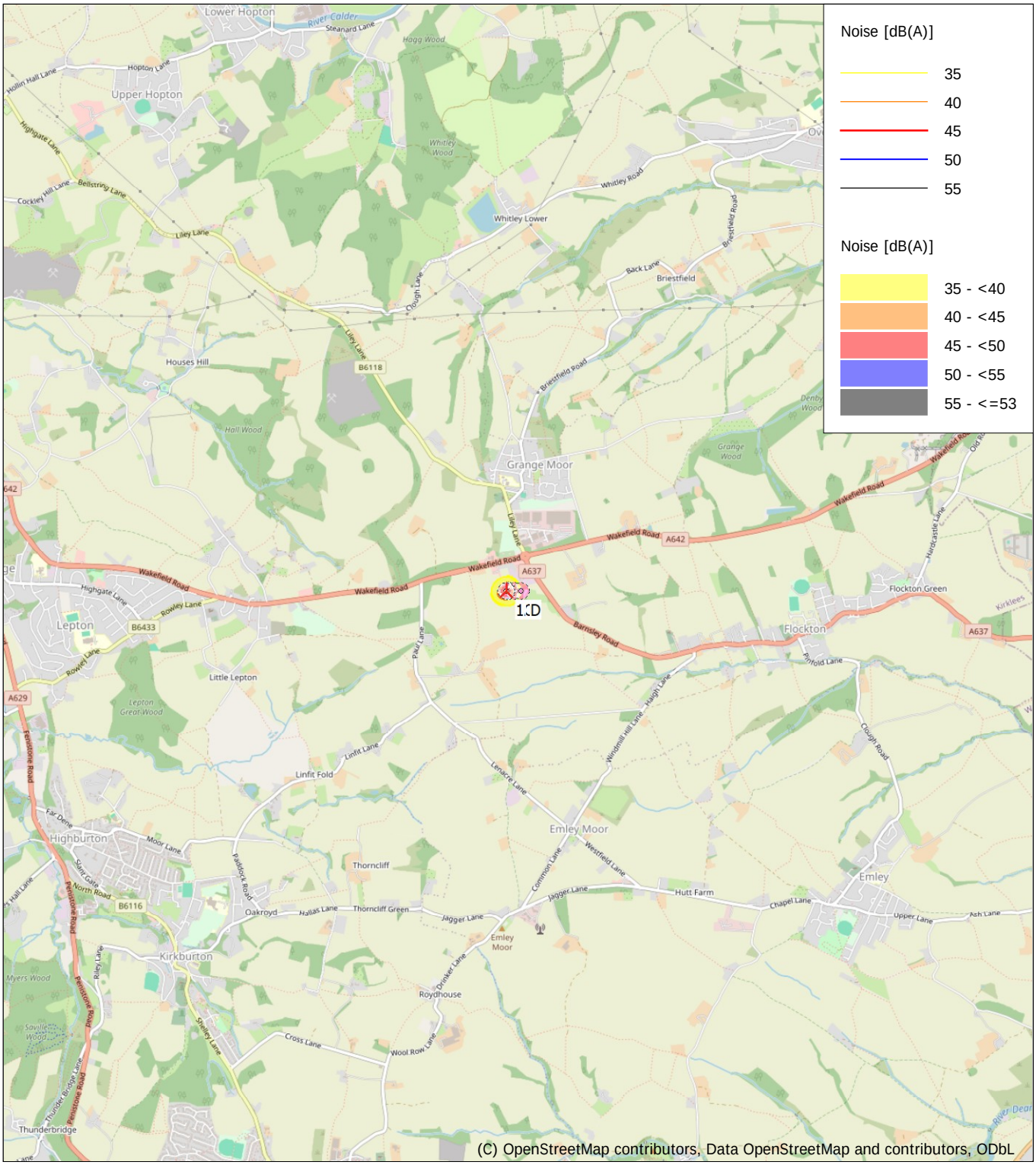
DECIBEL - Map 5.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

Map: EMD OpenStreetMap , Print scale 1:40,000, Map center British TM-OSGB36/Airy (GB/IE) East: 422,048 North: 415,236

New WTG Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 5.0 m/s
Height above sea level from active line object

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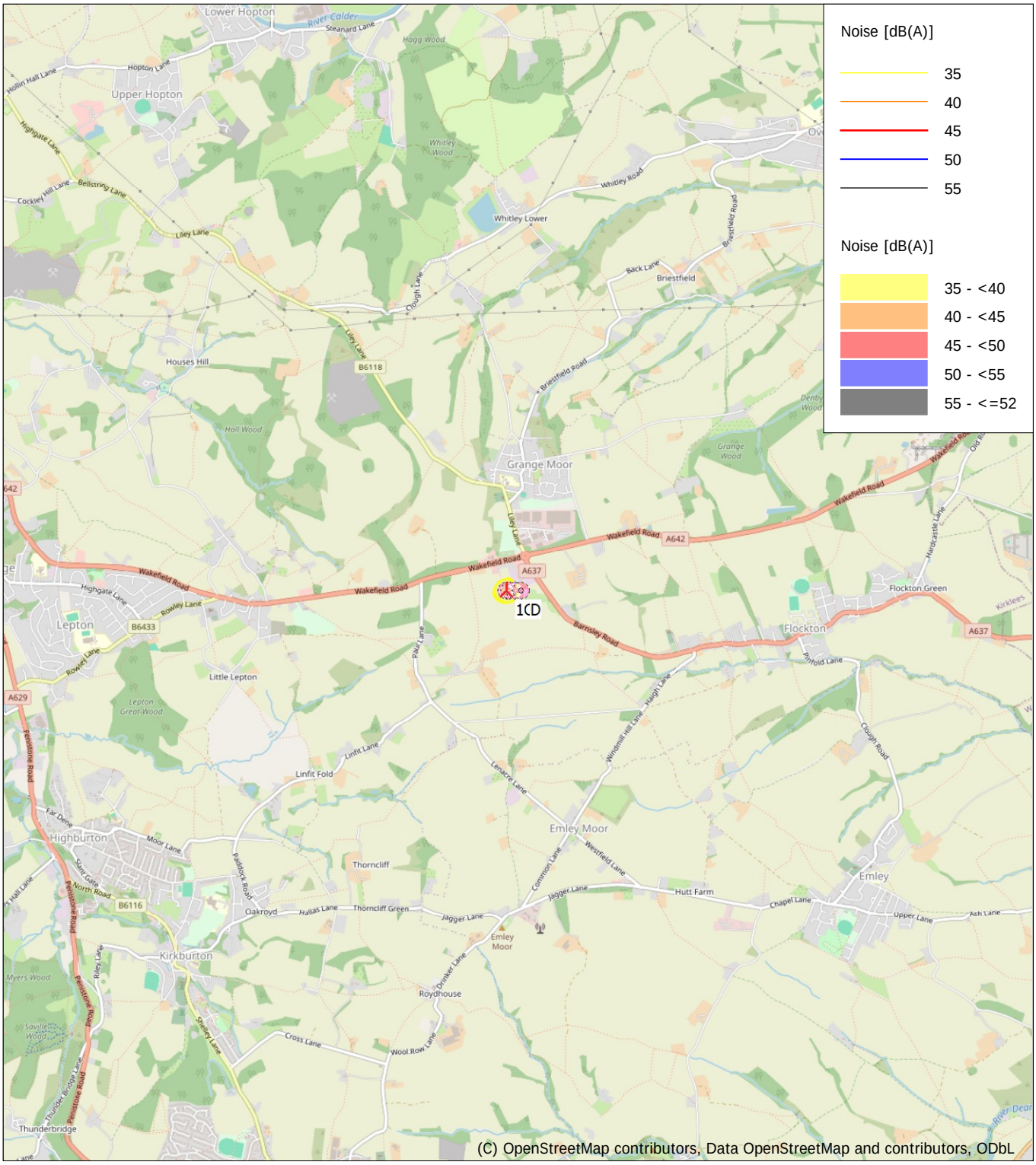
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

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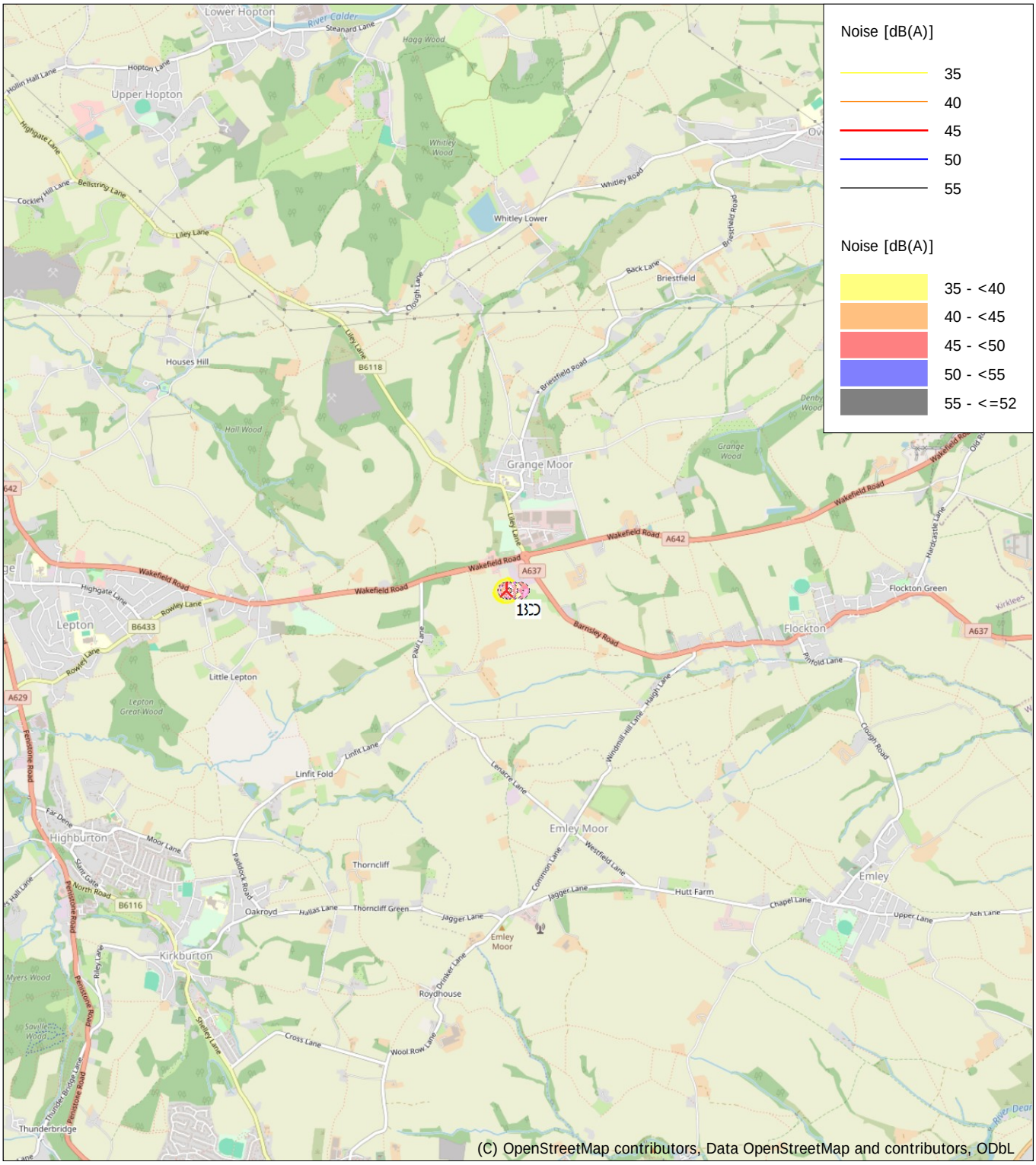
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

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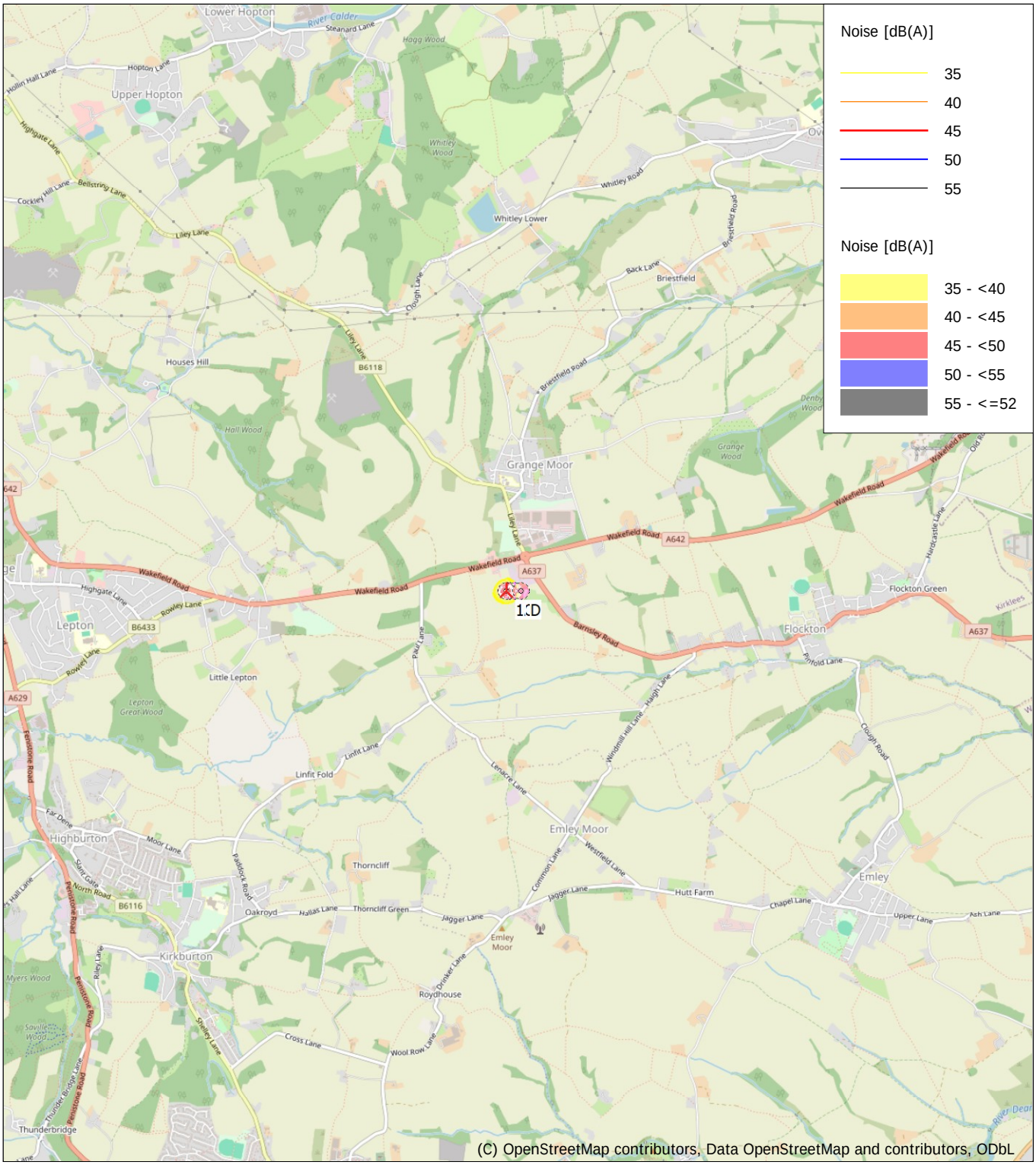
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

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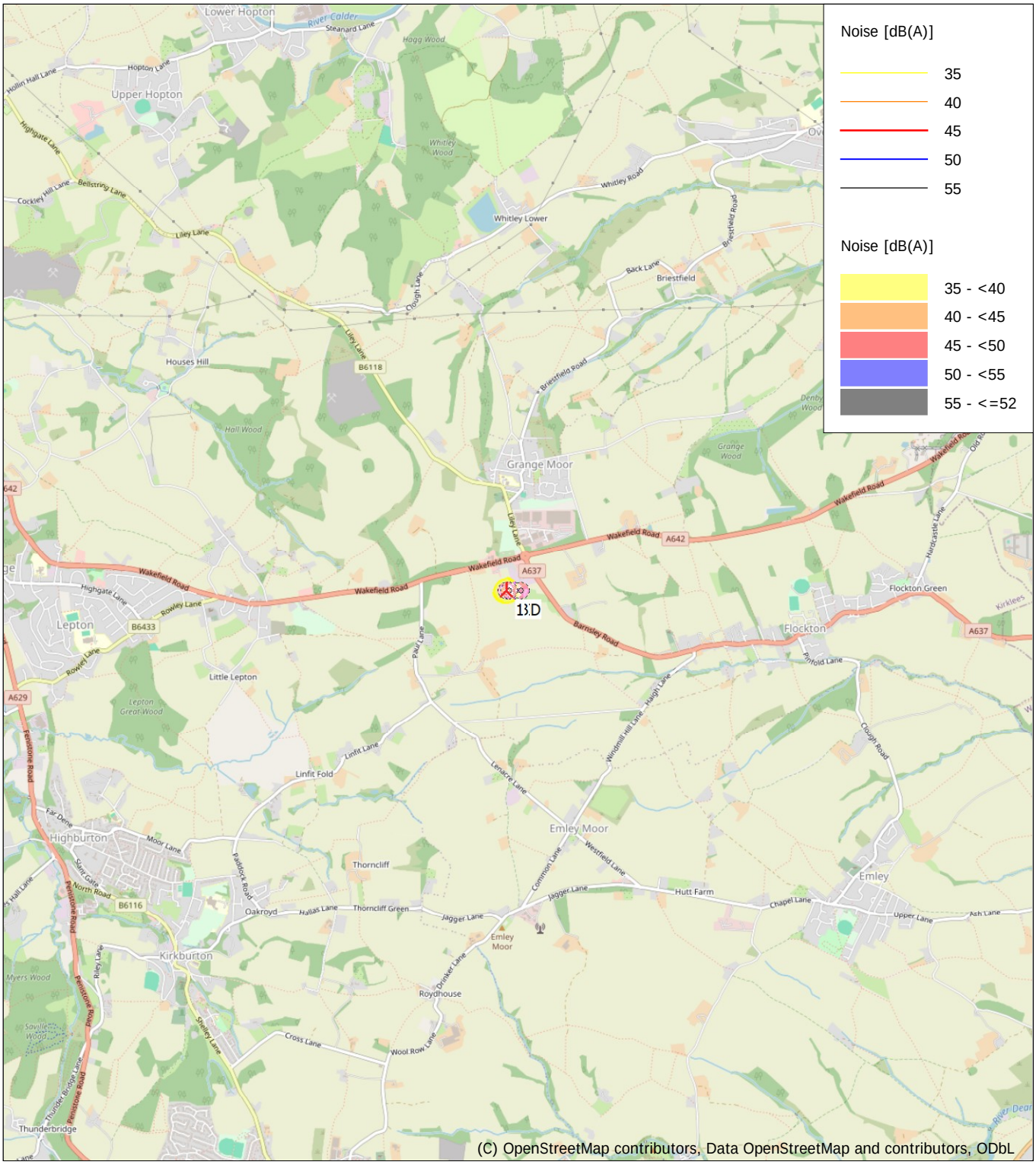
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



0 500 1000 1500 2000 m

Map: EMD OpenStreetMap , Print scale 1:40,000, Map center British TM-OSGB36/Airy (GB/IE) East: 422,048 North: 415,236

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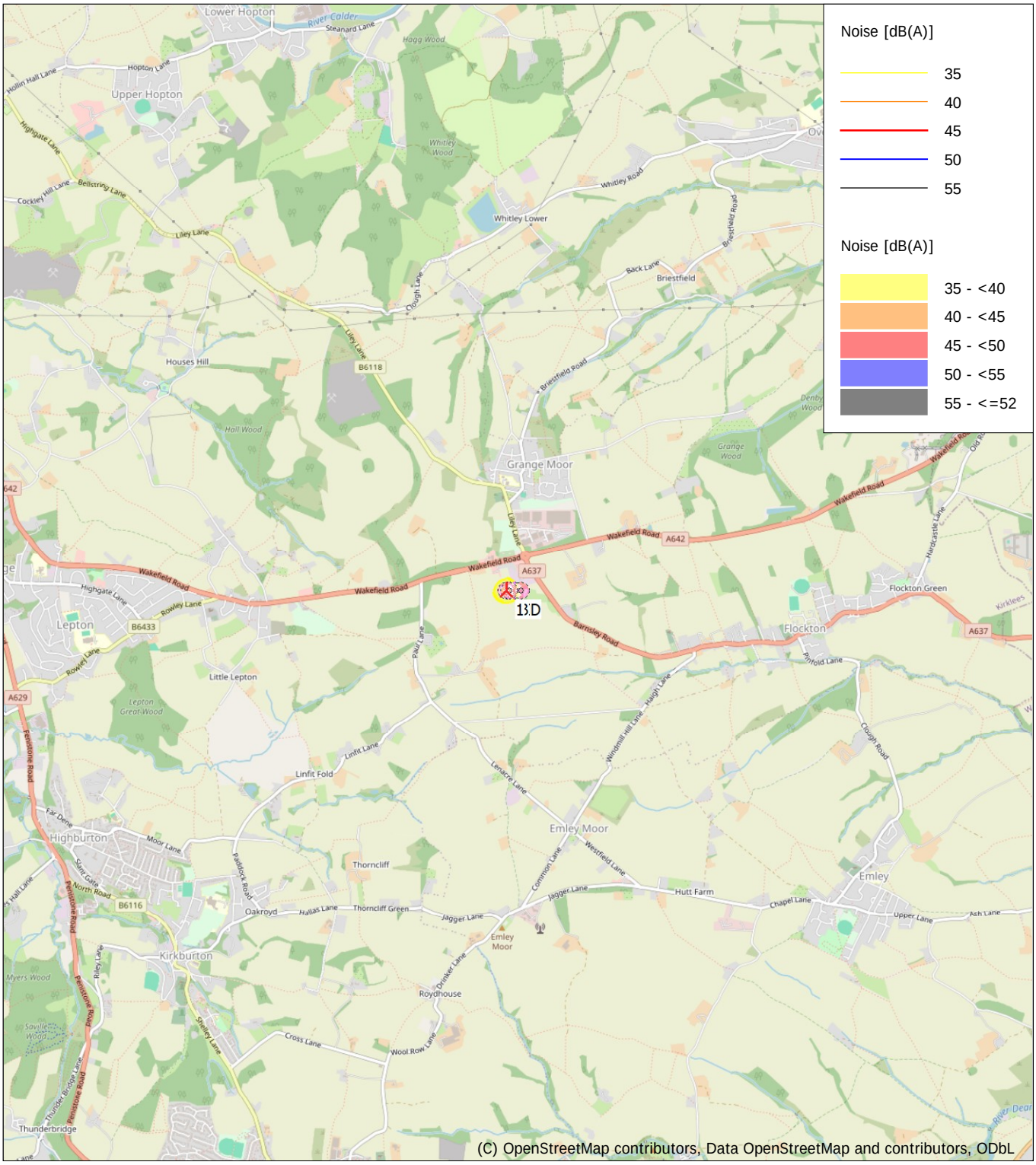
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



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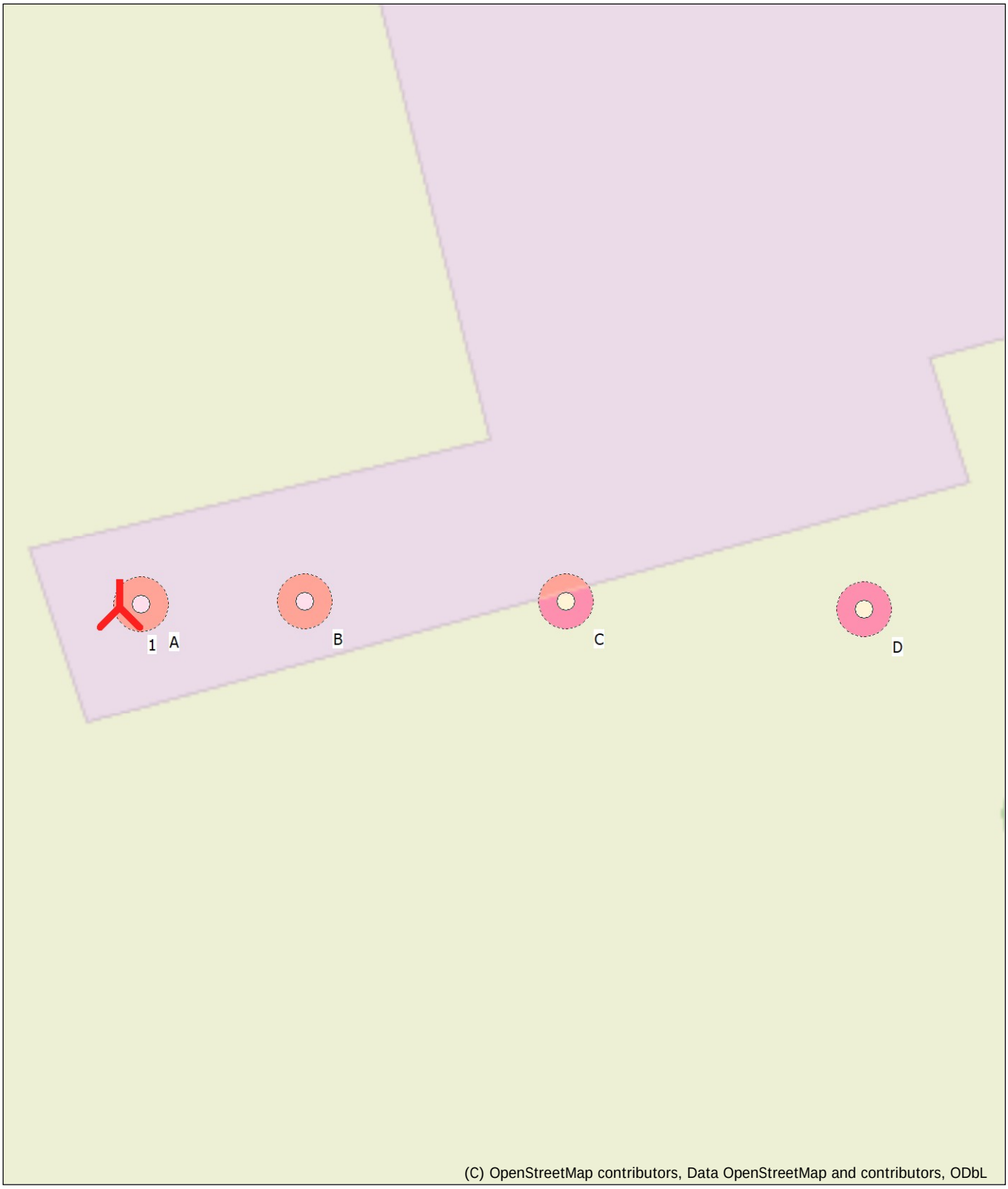
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



Map: EMD OpenStreetMap , Print scale 1:750, Map center British TM-OSGB36/Airy (GB/IE) East: 422,098 North: 415,237

New WTG Noise sensitive area

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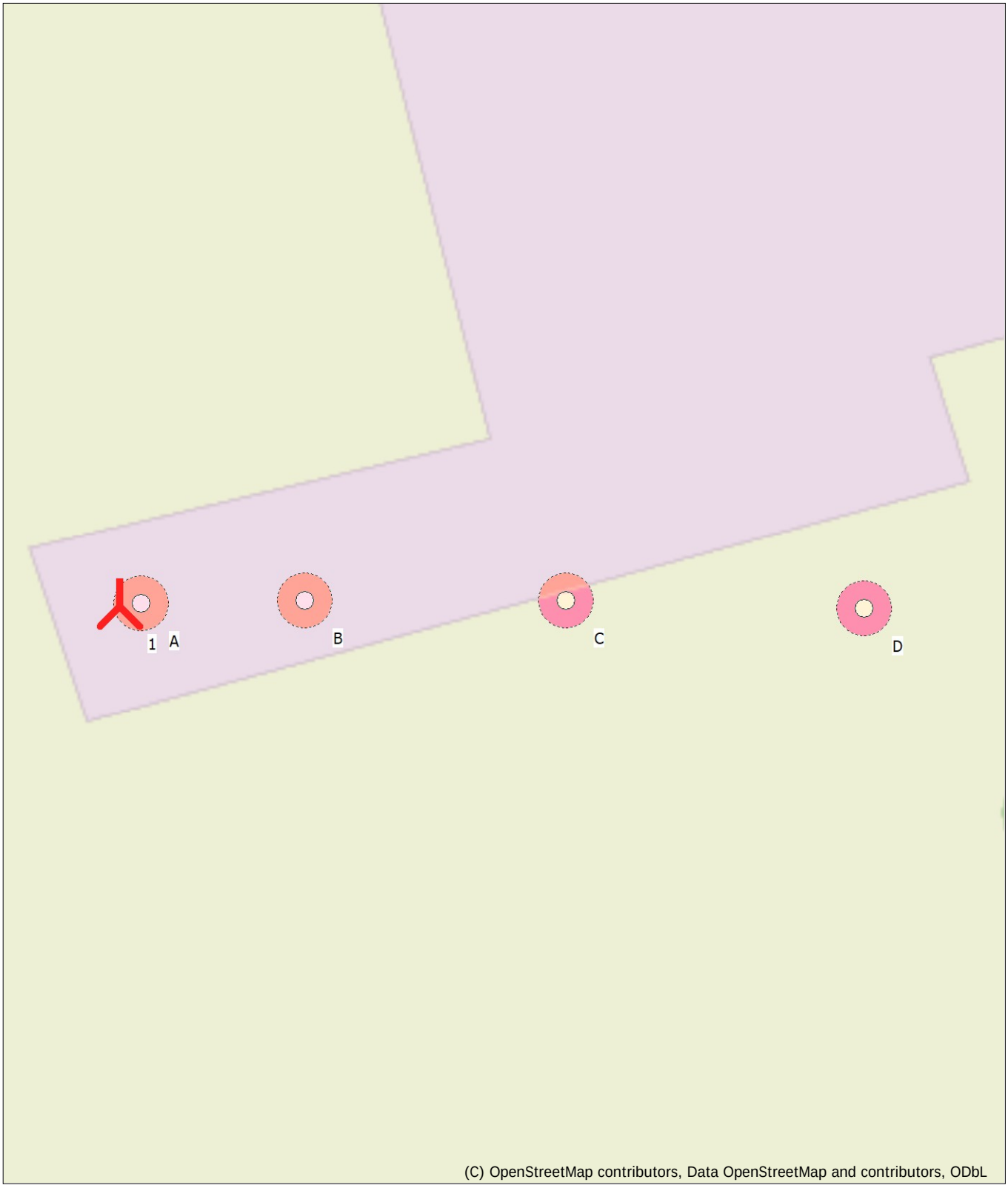
DECIBEL - Map 4.0 m/s

Calculation: Grange Moor Decibel Report



Map: EMD OpenStreetMap , Print scale 1:750, Map center British TM-OSGB36/Airy (GB/IE) East: 422,098 North: 415,237

New WTG Noise sensitive area