

**SWCRR
NORTH GRAVEL OPERATION NOISE DATA
UPDATED AUGUST 12, 2018**

Substance	Noise (12 hr. avg. max. 65 dBA)		
	N1	N2	N3
2-Jun	47.1	51.0	57.4
3-Jun	42.4	42.1	47.8
4-Jun	61.2	43.6	50.7
5-Jun	56.0	51.0	56.2
6-Jun	64.9	58.2	58.4
7-Jun	57.2	56.9	55.2
8-Jun	55.8	55.8	60.0
9-Jun	49.8	51.5	58.7
10-Jun	49.1	52.8	56.3
11-Jun	41.7	43.1	51.8
12-Jun	46.9	46.9	57.6
13-Jun	53.6	51.2	59.2
14-Jun	45.2	46.6	56.7
15-Jun	62.0	62.5	53.5
16-Jun	52.9	50.4	60.0
17-Jun	45.2	44.1	60.8
18-Jun	43.0	47.4	58.9
19-Jun	65.5	94.9	59.1
20-Jun	59.7	48.6	58.1
21-Jun	54.2	57.3	60.5
22-Jun	48.8	51.6	61.1
23-Jun	45.2	44.7	50.5
24-Jun	42.3	42.8	49.6
25-Jun	55.7	46.8	51.0
26-Jun	45.2	50.2	54.4
27-Jun	61.5	44.4	55.6
28-Jun	59.5	50.5	59.8
29-Jun	44.2	44.2	51.6
30-Jun	44.4	43.8	49.6
1-Jul	48.1	46.9	53.5
2-Jul	44.5	40.1	48.0
3-Jul	42.0	40.8	50.6
4-Jul	45.7	48.0	55.2
5-Jul	43.3	45.8	56.9
6-Jul	41.6	43.7	58.4
7-Jul	44.3	44.4	54.9
8-Jul	40.8	41.6	54.0
9-Jul	60.3	44.3	48.8
10-Jul	44.0	45.8	57.5
11-Jul	41.7	41.8	53.9
12-Jul	44.0	44.3	54.1
13-Jul	45.3	44.6	51.1
14-Jul	48.5	45.2	56.4
15-Jul	53.8	45.4	52.5
16-Jul	48.2	48.4	62.3
17-Jul	46.0	46.3	55.4
18-Jul	46.4	44.0	53.2
19-Jul	58.6	44.4	53.3
20-Jul	60.7	50.8	53.8
21-Jul	50.2	51.1	57.6
22-Jul	41.6	44.8	48.1
23-Jul	40.5	38.7	46.5
24-Jul	44.3	45.1	58.1
25-Jul	43.7	42.5	46.5
26-Jul	42.2	43.0	49.8
27-Jul	46.1	47.5	51.9
28-Jul	48.3	48.9	58.1
29-Jul	44.2	43.8	60.8
30-Jul	40.5	43.0	58.4

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Substance	Noise (12 hr. avg. max. 65 dBA)		
Location	N1	N2	N3
31-Jul	44.9	46.6	57.7
1-Aug	48.2	49.4	66.0
2-Aug	44.3	42.6	70.1
3-Aug	42.9	43.5	65.6
4-Aug	47.9	50.6	67.9
5-Aug	40.5	40.7	54.4
6-Aug	41.5	40.0	44.9
7-Aug	41.2	41.4	56.4
8-Aug	44.4	48.0	56.5
9-Aug	47.7	48.2	54.4
10-Aug	46.4	48.5	54.9
11-Aug	46.4	48.6	52.3
12-Aug	50.6	49.9	62.0
13-Aug	41.5	45.4	52.9
14-Aug	48.7	49.3	52.5
15-Aug	46.6	48.6	59.0
16-Aug	48.7	48.8	52.6
17-Aug	49.5	49.0	53.7
18-Aug	49.4	50.2	51.8
19-Aug	47.3	45.2	53.7
20-Aug	44.3	42.7	46.3
21-Aug	48.8	47.8	54.1
22-Aug	46.2	48.4	58.9
23-Aug	46.9	49.2	58.3
24-Aug	51.5	51.9	54.7
25-Aug	48.2	49.0	79.5
26-Aug	46.7	48.4	53.1
27-Aug	40.4	39.7	44.8
28-Aug	43.4	45.9	63.0
29-Aug	49.0	48.2	61.2
30-Aug	50.6	51.5	65.1
31-Aug	45.0	48.1	69.6
1-Sep	47.0	48.2	64.3
2-Sep	46.1	46.5	63.9
3-Sep	42.8	43.2	59.2
4-Sep	40.2	40.0	43.2
5-Sep	49.2	49.0	69.9
6-Sep	45.4	49.1	63.4
7-Sep	48.6	48.8	63.4

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Substance	Noise (12 hr. avg. max. 65 dBA)		
	N1	N2	N3
8-Sep	45.0	48.4	58.9
9-Sep	50.0	50.9	56.4
10-Sep	41.2	45.0	52.5
11-Sep	42.4	44.5	51.9
12-Sep	49.9	49.5	65.3
13-Sep	47.9	52.2	62.2
14-Sep	45.5	49.3	52.0
15-Sep	43.1	45.8	67.0
16-Sep	42.5	41.9	48.7
17-Sep	43.3	41.5	44.9
18-Sep	51.1	52.8	61.1
19-Sep	48.6	53.0	62.1
20-Sep	50.0	52.3	67.3
21-Sep	48.7	53.3	57.3
22-Sep	44.4	48.4	51.7
23-Sep	43.7	42.3	64.9
24-Sep	39.9	45.1	45.3
25-Sep	46.5	49.6	55.2
26-Sep	42.5	99.1	52.4
27-Sep	46.2	49.8	54.4
28-Sep	50.6	49.7	58.4
29-Sep	43.3	43.1	51.5
30-Sep	41.9	45.1	57.1
1-Oct	48.9	53.6	70.5
2-Oct	56.8	62.3	75.2
3-Oct	43.4	48.8	50.0
4-Oct	44.5	49.1	52.7
5-Oct	48.1	48.8	57.3
6-Oct	49.8	57.2	60.8
7-Oct	49.3	55.8	61.3
8-Oct	47.6	50.5	67.0
9-Oct	48.3	58.1	60.3
10-Oct	45.6	45.3	53.2
11-Oct	44.6	47.0	55.5
12-Oct	44.1	46.1	52.2
13-Oct	41.7	45.0	51.7
14-Oct	46.9	48.7	63.8
15-Oct	44.7	46.8	63.2
16-Oct	48.6	49.6	60.9
17-Oct	54.9	54.8	70.7
18-Oct	46.2	45.3	58.0
19-Oct	47.2	48.7	56.4
20-Oct	46.1	51.4	61.6
21-Oct	49.1	50.6	55.3
22-Oct	45.6	47.8	66.9
23-Oct	46.7	52.2	57.8
24-Oct	50.0	54.9	61.6
25-Oct	51.0	54.3	75.1
26-Oct	46.9	46.8	58.6
27-Oct	44.3	49.4	51.0
28-Oct	51.3	50.3	59.1
29-Oct	50.6	54.2	69.7
30-Oct	45.1	42.6	50.2
31-Oct	45.6	49.0	69.0
1-Nov	44.6	48.8	60.9
2-Nov	40.3	43.3	57.4
3-Nov	41.0	40.7	58.6
4-Nov	37.4	38.0	46.0
5-Nov	39.3	57.5	49.5
6-Nov	39.3	39.3	49.6
7-Nov	39.4	41.6	44.5
8-Nov	43.5	43.6	48.8
9-Nov	48.7	46.6	62.0

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Substance	Noise (12 hr. avg. max. 65 dBA)		
	N1	N2	N3
10-Nov	46.0	45.8	53.6
11-Nov	44.4	47.8	50.7
12-Nov	45.6	45.7	51.7
13-Nov	52.2	49.2	59.6
14-Nov	45.4	46.0	52.8
15-Nov	44.6	46.3	53.1
16-Nov	45.5	44.1	49.3
17-Nov	42.3	41.6	49.7
18-Nov	49.4	52.1	64.7
19-Nov	49.6	49.4	64.5
20-Nov	42.1	43.0	52.9
21-Nov	46.3	46.5	53.1
22-Nov	49.6	50.0	55.8
23-Nov	51.0	50.7	56.4
24-Nov	49.7	49.6	50.4
25-Nov	40.8	40.0	52.2
26-Nov	41.9	44.6	51.4
27-Nov	50.2	53.4	64.6
28-Nov	47.7	48.5	52.8
29-Nov	52.2	53.1	61.4
30-Nov	47.4	52.4	55.4
1-Dec	44.2	47.7	49.3
2-Dec	46.7	49.7	57.8
3-Dec	41.0	40.7	57.1
4-Dec	47.6	49.2	48.9
5-Dec	46.3	49.1	57.5
6-Dec	45.8	46.8	50.9
7-Dec	47.6	51.0	55.4
8-Dec	44.1	49.9	52.5
9-Dec	39.9	40.1	52.1
10-Dec	40.7	41.4	57.1
11-Dec	47.0	46.4	52.1
12-Dec	43.0	42.6	58.7
13-Dec	45.6	50.1	52.4
14-Dec	47.2	49.2	52.9
15-Dec	41.2	42.1	53.9
16-Dec	43.6	47.6	50.3
17-Dec	43.4	44.8	62.9
18-Dec	51.2	49.4	53.0
19-Dec			
20-Dec	38.0	38.8	43.7
21-Dec	43.1	42.2	46.1
22-Dec	39.4	39.0	43.0
23-Dec	38.9	38.2	43.1
24-Dec	38.0	38.7	41.4
25-Dec	38.5	38.2	40.9
26-Dec	37.2	38.0	47.1
27-Dec	38.1	38.6	41.4
28-Dec	35.4	34.7	40.8
29-Dec	36.6	37.0	39.2
30-Dec	35.8	36.3	39.6
31-Dec	37.2	37.4	50.1
1-Jan	37.7	38.7	45.1
2-Jan	40.9	40.6	45.6
3-Jan	42.3	42.0	47.4
4-Jan	43.9	45.3	48.0

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Location	N1	N2	N3
5-Jan	44.2	48.7	49.8
6-Jan	42.9	48.0	49.5
7-Jan	41.4	44.5	49.7
8-Jan	-	-	-
9-Jan	44.9	44.9	53.1
10-Jan	38.5	38.3	41.5
11-Jan	39.9	40.4	48.3
12-Jan	40.8	40.2	43.9
13-Jan	44.1	46.2	49.5
14-Jan	39.9	41.9	49.2
15-Jan	44.3	44.6	53.3
16-Jan	44.3	47.4	48.0
17-Jan	44.6	45.4	51.7
18-Jan	42.3	41.9	46.6
19-Jan	45.9	49.8	48.8
20-Jan	42.9	46.8	45.4
21-Jan	38.0	38.4	43.0
22-Jan	45.7	50.0	49.4
23-Jan	45.4	47.5	51.2

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Substance	Noise (12 hr. avg. max. 65 dBA)		
Location	N1	N2	N3
24-Jan	47.2	46.8	56.9
25-Jan	43.1	45.7	54.6
26-Jan	41.8	44.6	51.4
27-Jan	42.1	42.6	54.6
28-Jan	40.4	41.5	43.6
29-Jan	46.5	45.3	51.3
30-Jan	45.7	48.5	48.9
31-Jan	39.2	39.8	50.3
1-Feb	41.6	41.8	49.6
2-Feb	42.6	42.2	47.0
3-Feb	38.6	37.2	44.7
4-Feb	37.0	38.0	44.8

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Substance	Noise (12 hr. avg. max. 65 dBA)		
Location	N1	N2	N3
5-Feb	39.0	40.6	41.3
6-Feb	37.8	37.1	41.9
7-Feb	38.1	38.7	53.1
8-Feb	35.9	38.9	41.2
9-Feb	35.9	35.5	39.4
10-Feb	37.0	36.0	48.1
11-Feb	36.4	37.3	50.6
12-Feb	38.5	38.3	51.4
13-Feb	45.6	46.6	50.4
14-Feb	48.5	47.4	54.1
15-Feb	42.0	40.7	47.3
16-Feb	41.5	42.9	50.4
17-Feb	35.1	36.5	40.0
18-Feb	41.1	38.8	44.2
19-Feb	35.3	35.5	36.7
20-Feb	40.6	42.9	45.4
21-Feb	40.8	40.4	51.0
22-Feb	39.4	41.2	46.3
23-Feb	43.7	43.8	49.4
24-Feb	41.0	44.2	46.5
25-Feb	38.0	37.1	43.8
26-Feb	42.6	43.9	48.1
27-Feb	46.0	50.1	49.5
28-Feb	41.0	45.2	54.6

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Substance	Noise (12 hr. avg. max. 65 dBA)		
	N1	N2	N3
1-Mar	42.8	44.0	53.7
2-Mar	38.4	39.9	45.5
3-Mar	39.4	39.4	43.3
4-Mar	35.4	35.8	39.2
5-Mar	38.5	40.5	47.7
6-Mar	43.3	41.4	51.8
7-Mar	40.5	42.3	50.5
8-Mar	45.1	44.5	51.7
9-Mar	46.6	47.8	53.0
10-Mar	38.8	42.6	47.0
11-Mar	37.6	36.2	41.2
12-Mar	44.7	45.6	52.9
13-Mar	40.8	45.8	52.3
14-Mar	42.2	45.2	53.5
15-Mar	43.7	45.7	49.6
16-Mar	39.3	40.3	42.7
17-Mar	38.1	38.2	43.1
18-Mar	39.2	38.1	44.1
19-Mar	40.5	41.8	48.0
20-Mar	42.3	44.4	51.7
21-Mar	41.1	43.3	50.5
22-Mar	42.0	43.5	52.2
23-Mar	43.6	46.5	51.0
24-Mar	41.8	42.2	46.3
25-Mar	39.2	42.1	44.5
26-Mar	46.2	49.5	47.5
27-Mar	47.4	50.3	51.3
28-Mar	41.6	44.0	48.3
29-Mar	40.5	42.8	51.8
30-Mar	41.5	39.2	49.1
31-Mar	36.0	36.3	42.8
1-Apr	35.5	36.3	41.0
2-Apr	42.6	44.1	46.9
3-Apr	43.6	41.6	51.6
4-Apr	47.0	45.9	52.8
5-Apr	38.8	42.2	47.4
6-Apr	44.9	43.6	57.8
7-Apr	40.0	41.8	52.1
8-Apr	41.5	40.9	42.6
9-Apr	42.6	42.7	53.1
10-Apr	42.3	41.3	52.2
11-Apr	42.5	46.0	54.9
12-Apr	42.9	43.1	57.0
13-Apr	43.4	43.4	52.2
14-Apr	43.5	47.5	50.9
15-Apr	41.9	41.3	43.8
16-Apr	42.2	41.4	46.9
17-Apr	45.4	40.9	51.0
18-Apr	47.2	44.1	54.6
19-Apr	44.8	43.7	52.0
20-Apr	43.9	43.9	53.6
21-Apr	49.1	51.1	53.2
22-Apr	40.1	39.9	60.4

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	N1	N2	N3
23-Apr	43.0	41.4	49.7
24-Apr	40.8	42.1	48.6
25-Apr	43.6	45.5	49.1
26-Apr	40.6	41.3	48.9
27-Apr	44.0	43.4	54.4
28-Apr	40.6	45.2	59.3
29-Apr	48.5	49.0	52.0
30-Apr	47.0	44.5	51.6
1-May	45.2	49.7	50.1
2-May	45.3	49.3	49.8
3-May	45.2	49.1	50.9
4-May	47.1	50.2	51.6
5-May	43.3	43.8	55.2
6-May	44.1	44.9	59.0
7-May	43.4	48.6	50.0
8-May	44.0	48.1	50.5
9-May	43.3	43.7	57.6
10-May	42.9	43.7	54.0
11-May	44.7	46.2	50.6
12-May	43.8	44.9	50.9
13-May	42.2	42.0	47.2
14-May	43.2	44.8	48.2
15-May	43.2	44.9	49.9
16-May	44.8	46.6	52.4
17-May	42.0	45.2	52.2
18-May	44.9	42.9	50.8
19-May	47.8	47.5	50.5
20-May	42.3	40.7	42.6
21-May	43.0	40.9	42.2
22-May	44.0	44.8	53.7
23-May	44.5	43.8	55.7
24-May	45.6	50.0	50.1
25-May	44.2	44.4	51.9
26-May	45.5	46.0	51.6
27-May	41.7	41.7	42.1
28-May	43.0	45.9	48.7
29-May	44.0	45.4	50.4
30-May	43.4	45.3	52.4
31-May	45.6	43.8	58.2
1-Jun	44.4	45.0	50.3
2-Jun	46.6	48.7	49.0
3-Jun	45.2	42.4	45.7
4-Jun	45.4	49.1	49.1
5-Jun	43.2	44.0	51.0
6-Jun	43.6	44.7	55.5
7-Jun	41.2	41.6	48.4
8-Jun	45.9	42.8	58.9
9-Jun	47.0	45.2	50.7
10-Jun	57.5	45.4	47.9
11-Jun	50.5	55.0	54.1
12-Jun	46.3	49.0	48.6
13-Jun	43.7	45.8	49.5
14-Jun	47.4	51.0	53.2
15-Jun	51.5	50.3	53.3

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Substance	Noise (12 hr. avg. max. 65 dBA)		
	N1	N2	N3
16-Jun	43.2	45.2	50.2
17-Jun	42.3	44.1	44.5
18-Jun	44.1	59.4	46.9
19-Jun	44.0	52.2	43.8
20-Jun	43.9	59.7	45.1
21-Jun	46.1	53.8	44.5
22-Jun	57.8	57.6	57.4
23-Jun	51.8	52.1	50.5
24-Jun	43.8	47.3	43.9
25-Jun	49.9	-	56.2
26-Jun	-	-	-
27-Jun	48.8	52.2	53.1
28-Jun	46.8	44.8	54.2
29-Jun	46.3	45.0	53.4
30-Jun	44.1	44.3	49.7
1-Jul	43.4	45.4	48.8
2-Jul	44.6	44.3	53.4
3-Jul	46.8	49.5	51.1
4-Jul	43.8	43.7	53.7
5-Jul	46.4	45.4	56.7
6-Jul	44.8	46.0	51.0
7-Jul	48.8	52.1	51.3
8-Jul	43.7	42.8	46.6
9-Jul	43.3	43.9	52.1
10-Jul	51.6	52.1	52.9
11-Jul	43.5	45.5	50.8
12-Jul	43.9	46	51.1
13-Jul	41.4	42.6	52.7
14-Jul	45	45.6	50.4
15-Jul	43	39.1	42.4
16-Jul	41.5	44	50.1
17-Jul	41.6	43.9	57.6
18-Jul	53.5	51.5	55.9
19-Jul	46	44.5	55.2
20-Jul	44.5	46.7	51.8
21-Jul	45.1	44.9	54.1
22-Jul	44.1	47	47
23-Jul	47.8	-	-
24-Jul	40.9	44.7	53.4
25-Jul	44.5	44.8	50.7
26-Jul	43.6	46.5	51.1
27-Jul	43.6	44.9	52.1
28-Jul	47.3	43.7	50.8
29-Jul	39.1	40.8	41.0
30-Jul	47.7	48.8	54.0
31-Jul	44.6	44.1	55.0
1-Aug	47.1	44.7	54.8
2-Aug	54.7	53.7	58.5
3-Aug	46.5	49.5	50.3
4-Aug	44.9	47.9	49.2
5-Aug	42.9	41.7	42.5
6-Aug	42.5	43.4	45.0
7-Aug	44.1	62.5	49.3
8-Aug	57.7	45.1	49.1
9-Aug	47.7	43.5	52.6
10-Aug	52.2	46.5	51.6

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Substance	Noise (12 hr. avg. max. 65 dBA)		
Location	N1	N2	N3
11-Aug	46.8	49.6	51.6
12-Aug	42.5	43.4	45.1