

**Appendix 19-8**

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**Total Future Sound Levels: Modeled Project Plus Measured Background –  
1-Hour  $L_{eq}$**

**Table 19-8.1: Assignment of Measurement Locations to Modeling Locations**

Modeling Receptor ID	Coordinates		Assigned Measurement Location ID #
	UTM NAD83 Zone 18N (meters)		
	X (m)	Y (m)	
1	340859.42	4690137.46	1
2	340909.32	4690135.00	1
3	340403.44	4689993.94	1
4	339417.49	4690348.38	2
5	342117.75	4686653.03	4
6	342070.01	4686654.11	4
7	342033.48	4687211.94	4
8	342511.59	4687218.95	4
9	342420.87	4687590.25	4
10	342365.27	4690130.80	1
11	341999.68	4690157.54	1
12	341917.98	4690161.14	1
13	341222.69	4690147.36	1
14	338655.35	4687307.49	2
15	338432.57	4689978.66	2
16	339618.83	4688131.33	4
17	338361.93	4689944.61	2
18	338308.71	4689841.88	2
19	338250.20	4689758.65	2
20	338207.62	4689523.52	2
21	338153.90	4689389.29	2
22	338153.09	4689229.84	2
23	338199.12	4689059.60	2
24	338223.79	4688998.24	2
25	338260.86	4689014.12	2
26	338231.41	4688945.19	2
27	337425.03	4688914.08	2
28	337526.95	4688885.28	2
29	337467.12	4688803.40	2
30	337565.02	4688810.82	2
31	337743.78	4688796.54	2
32	337958.10	4688819.12	2
33	338338.00	4688630.15	2
34	338234.98	4688534.72	2
35	338424.85	4688235.05	2
36	338596.67	4688053.08	2
37	338680.24	4687639.61	2
38	338695.21	4687578.90	2
39	338683.88	4687355.75	2
40	338646.22	4687353.09	2
41	338704.59	4687256.34	2
42	338774.48	4686564.40	4
43	339200.29	4686268.16	4
44	340370.79	4686973.85	4
45	340261.66	4687308.60	4
46	339702.45	4687707.37	4
47	339663.35	4687757.61	4

**Table 19-8.1: Assignment of Measurement Locations to Modeling Locations**

Modeling Receptor ID	Coordinates		Assigned Measurement Location ID #
	UTM NAD83 Zone 18N (meters)		
	X (m)	Y (m)	
48	339636.84	4687835.77	4
49	339696.75	4687864.36	4
50	339163.49	4687983.65	2
51	339500.23	4690163.69	2
52	339501.04	4690102.44	2
53	339509.84	4690042.78	2
54	339590.57	4689707.03	2
55	339577.94	4689570.32	2
56	339513.99	4689201.08	2
57	339600.25	4688836.09	2
58	340211.37	4688294.10	4
59	340632.86	4686708.55	4
60	340355.10	4686704.18	4
61	340229.94	4686728.95	4
62	340353.89	4686733.62	4
63	340345.30	4686579.57	4
64	340409.11	4686516.64	4
65	340057.67	4686399.82	4
66	341076.46	4686109.80	4
67	341078.78	4686016.76	4
68	341128.09	4686299.46	4
69	340691.64	4686334.93	4
70	340691.03	4686385.62	4
71	340805.74	4686353.05	4
72	340889.13	4686382.89	4
73	341126.12	4686397.79	4
74	341125.65	4686455.09	4
75	341039.79	4686492.29	4
76	341057.73	4686851.65	4
77	341078.00	4686809.10	4
78	341259.02	4686529.79	4
79	341240.49	4686580.67	4
80	341612.81	4686709.81	4
81	341849.31	4686704.03	4
82	340516.37	4689885.65	1
83	340517.78	4690025.26	1
84	340504.50	4689927.33	1
85	340421.12	4690051.68	1
86	339597.53	4690353.07	2
87	339377.96	4690340.48	2
88	339438.16	4690401.65	2
89	339392.03	4690414.16	2
90	339258.88	4690352.90	2
91	339294.90	4690400.53	2
92	339155.17	4690418.71	2
93	341678.67	4691287.86	1
94	341520.88	4691132.23	1

**Table 19-8.1: Assignment of Measurement Locations to Modeling Locations**

Modeling Receptor ID	Coordinates		Assigned Measurement Location ID #
	UTM NAD83 Zone 18N (meters)		
	X (m)	Y (m)	
95	341450.89	4691203.84	1
96	341083.96	4691104.26	1
97	340988.87	4691063.25	1
98	340888.14	4691162.87	1
99	339173.33	4691112.68	1
100	339148.44	4691433.43	1
101	338914.81	4691154.29	2
102	338946.72	4691119.21	2
103	338814.32	4690802.06	2
104	338816.83	4690757.52	2
105	338810.97	4690522.45	2
106	338855.26	4690506.45	2
107	338793.63	4690460.30	2
108	338807.71	4690438.40	2
109	338870.32	4690469.55	2
110	338859.94	4690441.16	2
111	338965.74	4690389.39	2
112	338935.57	4690384.80	2
113	338864.47	4690388.20	2
114	338949.66	4690343.95	2
115	338900.12	4690342.89	2
116	338877.50	4690339.45	2
117	338829.99	4690349.79	2
118	338773.05	4690296.04	2
119	338817.59	4690387.51	2
120	338748.45	4690418.18	2
121	338557.02	4690341.10	2
122	338711.35	4690342.83	2
123	338647.10	4690336.38	2
124	338638.03	4690384.16	2
125	338519.61	4690338.93	2
126	338440.14	4690276.67	2
127	338451.61	4690333.23	2
128	338501.23	4690395.07	2
129	338439.84	4690397.59	2
130	338378.01	4690381.40	2
131	338310.24	4690337.38	2
132	338170.66	4690428.69	2
133	337996.87	4690330.96	2
134	337897.88	4690371.13	2
135	337646.25	4690386.65	2
136	338425.98	4690114.92	2
137	338310.34	4689366.74	2
138	338362.64	4689228.52	2
139	338239.09	4689124.76	2
140	338255.52	4688830.75	2
141	338301.86	4688922.64	2

**Table 19-8.1: Assignment of Measurement Locations to Modeling Locations**

Modeling Receptor ID	Coordinates		Assigned Measurement Location ID #
	UTM NAD83 Zone 18N (meters)		
	X (m)	Y (m)	
142	338309.99	4688853.28	2
143	338642.20	4687744.92	2
144	338514.09	4687780.03	2
145	338673.02	4687690.89	2
146	338664.35	4687468.12	2
147	338810.04	4686841.22	4
148	339952.69	4687394.08	4
149	339490.26	4690278.22	2
150	339502.67	4690241.16	2
151	339577.75	4689880.88	2
152	339504.85	4689603.27	2
153	339598.86	4688504.81	2
154	340438.80	4688513.39	4
155	340596.69	4688300.52	4
156	340574.14	4688290.90	4
157	340360.22	4686651.95	4
158	339820.07	4686174.31	4
159	339450.61	4686054.07	4
160	339492.62	4685995.81	4
161	341060.59	4687660.40	4
162	341106.08	4687521.01	4
163	341058.01	4687410.18	4
164	340957.37	4687438.02	4
165	341089.73	4687268.23	4
166	341053.57	4687194.58	4
167	341057.83	4687041.13	4
168	341051.18	4686991.71	4
169	341057.96	4686881.17	4
170	341053.77	4686764.48	4
171	341058.17	4686734.19	4
172	341054.34	4686701.89	4
173	341052.61	4686664.91	4
174	340843.63	4686655.55	4
175	340959.61	4686679.36	4
176	341010.62	4686587.86	4
177	341046.56	4686592.78	4
178	341045.39	4686520.53	4
179	341197.87	4686525.00	4
180	341225.29	4686534.74	4
181	341229.11	4686498.30	4
182	341524.77	4686728.55	4
183	341535.14	4686619.90	4
184	342088.27	4686493.06	4
185	341407.20	4689548.96	1
186	340591.31	4690128.42	1
187	340029.40	4690109.07	1
188	339921.60	4690228.26	1

**Table 19-8.1: Assignment of Measurement Locations to Modeling Locations**

Modeling Receptor ID	Coordinates		Assigned Measurement Location ID #
	UTM NAD83 Zone 18N (meters)		
	X (m)	Y (m)	
189	339802.30	4690337.37	1
190	339681.98	4690257.31	2
191	339148.36	4690449.26	2
192	339150.73	4690302.09	2
193	339081.06	4690348.62	2
194	339075.06	4690395.44	2
195	339000.06	4690382.63	2
196	341377.86	4691219.14	1
197	341368.64	4691377.90	1
198	341259.46	4691183.07	1
199	340305.20	4691007.05	1
200	340476.38	4691147.61	1
201	340382.44	4691137.42	1
202	340270.08	4691133.81	1
203	340010.76	4691159.99	1
204	339841.60	4691069.61	1
205	339730.93	4691139.97	1
206	339532.89	4691177.98	1
207	339390.31	4691051.76	1
208	338901.52	4690941.43	2
209	338801.21	4691097.01	2
210	338790.91	4690611.00	2
211	337690.82	4690307.22	2
212	337720.53	4690406.08	2
213	337411.05	4690310.62	2
214	337419.07	4690465.48	2
215	337444.05	4690360.95	2

Table 19-8.2: Long-Term Future Total Sound Levels

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Ambient Daytime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Daytime Noise Level (dBA)	Ambient Summer Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Summer Nighttime Noise Level (dBA)	Ambient Winter Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Winter Nighttime Noise Level (dBA)	Ambient Daytime Average LEQ (dBA, ANS Filtered)	Project Only Annual L50 (dBA)	Typical Project Daytime Noise Level (dBA)
			X (m)	Y (m)												
1	Year-Round Residence	Non-Participating	340859.42	4690137.46	35	31	36	23	31	32	24	31	32	51	31	51
2	Year-Round Residence	Non-Participating	340909.32	4690135.00	35	31	36	23	31	31	24	31	32	51	31	51
3	Unknown	Non-Participating	340403.44	4689993.94	35	34	37	23	34	34	24	34	34	51	34	51
4	Year-Round Residence	Non-Participating	339417.49	4690348.38	30	31	33	20	31	31	23	31	31	42	31	42
5	Year-Round Residence	Non-Participating	342117.75	4686653.03	34	16	34	24	16	25	24	16	25	49	16	49
6	Year-Round Residence	Non-Participating	342070.01	4686654.11	34	16	34	24	16	25	24	16	25	49	16	49
7	Year-Round Residence	Non-Participating	342033.48	4687211.94	34	19	34	24	19	25	24	19	25	49	19	49
8	Seasonal Residence	Non-Participating	342511.59	4687218.95	34	17	34	24	17	25	24	17	25	49	17	49
9	Year-Round Residence	Non-Participating	342420.87	4687590.25	34	19	34	24	19	25	24	19	25	49	19	49
10	Year-Round Residence	Non-Participating	342365.27	4690130.80	35	19	35	23	19	24	24	19	25	51	19	51
11	Year-Round Residence	Non-Participating	341999.68	4690157.54	35	21	35	23	21	25	24	21	26	51	21	51
12	Year-Round Residence	Non-Participating	341917.98	4690161.14	35	21	35	23	21	25	24	21	26	51	21	51
13	Year-Round Residence	Non-Participating	341222.69	4690147.36	35	28	36	23	28	30	24	28	30	51	28	51
14	Year-Round Residence	Non-Participating	338655.35	4687307.49	30	20	30	20	20	23	23	20	25	42	20	42
15	Year-Round Residence	Non-Participating	338432.57	4689978.66	30	23	31	20	23	25	23	23	26	42	23	42
16	Year-Round Residence	Non-Participating	339618.83	4688131.33	34	40	41	24	40	40	24	40	40	49	40	50
17	Year-Round Residence	Non-Participating	338361.93	4689944.61	30	22	31	20	22	24	23	22	25	42	22	42
18	Year-Round Residence	Non-Participating	338308.71	4689841.88	30	23	31	20	23	25	23	23	26	42	23	42
19	Year-Round Residence	Non-Participating	338250.20	4689758.65	30	23	31	20	23	25	23	23	26	42	23	42
20	Year-Round Residence	Non-Participating	338207.62	4689523.52	30	25	31	20	25	26	23	25	27	42	25	42
21	Year-Round Residence	Non-Participating	338153.90	4689389.29	30	23	31	20	23	25	23	23	26	42	23	42
22	Year-Round Residence	Non-Participating	338153.09	4689229.84	30	21	31	20	21	24	23	21	25	42	21	42
23	Year-Round Residence	Non-Participating	338199.12	4689059.60	30	17	30	20	17	22	23	17	24	42	17	42
24	Year-Round Residence	Non-Participating	338223.79	4688998.24	30	18	30	20	18	22	23	18	24	42	18	42
25	Year-Round Residence	Non-Participating	338260.86	4689014.12	30	15	30	20	15	21	23	15	24	42	15	42
26	Unknown	Non-Participating	338231.41	4688945.19	30	17	30	20	17	22	23	17	24	42	17	42
27	Year-Round Residence	Non-Participating	337425.03	4688914.08	30	22	31	20	22	24	23	22	26	42	22	42
28	Year-Round Residence	Non-Participating	337526.95	4688885.28	30	23	31	20	23	25	23	23	26	42	23	42
29	Year-Round Residence	Non-Participating	337467.12	4688803.40	30	20	30	20	20	23	23	20	25	42	20	42
30	Year-Round Residence	Non-Participating	337565.02	4688810.82	30	23	31	20	23	25	23	23	26	42	23	42
31	Year-Round Residence	Non-Participating	337743.78	4688796.54	30	24	31	20	24	25	23	24	26	42	24	42
32	Unknown	Non-Participating	337958.10	4688819.12	30	23	31	20	23	25	23	23	26	42	23	42
33	Year-Round Residence	Non-Participating	338338.00	4688630.15	30	14	30	20	14	21	23	14	24	42	14	42
34	Year-Round Residence	Non-Participating	338234.98	4688534.72	30	20	30	20	20	23	23	20	25	42	20	42
35	Year-Round Residence	Non-Participating	338424.85	4688235.05	30	15	30	20	15	21	23	15	24	42	15	42
36	Year-Round Residence	Non-Participating	338596.67	4688053.08	30	11	30	20	11	20	23	11	23	42	11	42
37	Year-Round Residence	Non-Participating	338680.24	4687639.61	30	10	30	20	10	20	23	10	23	42	10	42
38	Year-Round Residence	Non-Participating	338695.21	4687578.90	30	10	30	20	10	20	23	10	23	42	10	42
39	Year-Round Residence	Non-Participating	338683.88	4687355.75	30	17	30	20	17	22	23	17	24	42	17	42
40	Year-Round Residence	Non-Participating	338646.22	4687353.09	30	20	30	20	20	23	23	20	25	42	20	42
41	Year-Round Residence	Non-Participating	338704.59	4687256.34	30	19	30	20	19	22	23	19	24	42	19	42
42	Year-Round Residence	Non-Participating	338774.48	4686564.40	34	20	34	24	20	26	24	20	26	49	20	49
43	Year-Round Residence	Non-Participating	339200.29	4686268.16	34	16	34	24	16	25	24	16	25	49	16	49
44	Year-Round Residence	Non-Participating	340370.79	4686973.85	34	22	34	24	22	26	24	22	26	49	22	49
45	Unknown	Non-Participating	340261.66	4687308.60	34	23	34	24	23	27	24	23	27	49	23	49
46	Year-Round Residence	Non-Participating	339702.45	4687707.37	34	30	36	24	30	31	24	30	31	49	30	49
47	Year-Round Residence	Non-Participating	339663.35	4687757.61	34	31	36	24	31	32	24	31	32	49	31	49
48	Unknown	Non-Participating	339636.84	4687835.77	34	31	36	24	31	32	24	31	32	49	31	49
49	Year-Round Residence	Non-Participating	339696.75	4687864.36	34	31	36	24	31	32	24	31	32	49	31	49
50	Unknown	Non-Participating	339163.49	4687983.65	30	34	36	20	34	34	23	34	35	42	34	43
51	Year-Round Residence	Non-Participating	339500.23	4690163.69	30	32	34	20	32	33	23	32	33	42	32	42
52	Year-Round Residence	Non-Participating	339501.04	4690102.44	30	33	35	20	33	33	23	33	33	42	33	42
53	Year-Round Residence	Non-Participating	339509.84	4690042.78	30	33	35	20	33	33	23	33	34	42	33	43
54	Year-Round Residence	Non-Participating	339590.57	4689707.03	30	38	39	20	38	38	23	38	38	42	38	44
55	Year-Round Residence	Non-Participating	339577.94	4689570.32	30	40	41	20	40	40	23	40	40	42	40	44
56	Unknown	Participating	339513.99	4689201.08	30	44	44	20	44	44	23	44	44	42	44	46
57	Unknown	Participating	339600.25	4688836.09	30	48	48	20	48	48	23	48	48	42	48	49
58	Year-Round Residence	Non-Participating	340211.37	4688294.10	34	39	40	24	39	39	24	39	39	49	39	49
59	Unknown	Non-Participating	340632.86	4686708.55	34	17	34	24	17	25	24	17	25	49	17	49

Table 19-8.2: Long-Term Future Total Sound Levels

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Ambient Daytime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Daytime Noise Level (dBA)	Ambient Summer Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Summer Nighttime Noise Level (dBA)	Ambient Winter Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Winter Nighttime Noise Level (dBA)	Ambient Daytime Average LEQ (dBA, ANS Filtered)	Project Only Annual L50 (dBA)	Typical Project Daytime Noise Level (dBA)
			X (m)	Y (m)												
60	Year-Round Residence	Non-Participating	340355.10	4686704.18	34	21	34	24	21	26	24	21	26	49	21	49
61	Year-Round Residence	Non-Participating	340229.94	4686728.95	34	14	34	24	14	24	24	14	24	49	14	49
62	Year-Round Residence	Non-Participating	340353.89	4686733.62	34	21	34	24	21	26	24	21	26	49	21	49
63	Unknown	Non-Participating	340345.30	4686579.57	34	21	34	24	21	26	24	21	26	49	21	49
64	Year-Round Residence	Non-Participating	340409.11	4686516.64	34	21	34	24	21	26	24	21	26	49	21	49
65	Year-Round Residence	Non-Participating	340057.67	4686399.82	34	19	34	24	19	25	24	19	25	49	19	49
66	Unknown	Non-Participating	341076.46	4686109.80	34	19	34	24	19	25	24	19	25	49	19	49
67	Year-Round Residence	Non-Participating	341078.78	4686016.76	34	18	34	24	18	25	24	18	25	49	18	49
68	Year-Round Residence	Non-Participating	341128.09	4686299.46	34	20	34	24	20	25	24	20	25	49	20	49
69	Year-Round Residence	Non-Participating	340691.64	4686334.93	34	20	34	24	20	25	24	20	25	49	20	49
70	Year-Round Residence	Non-Participating	340691.03	4686385.62	34	20	34	24	20	25	24	20	25	49	20	49
71	Year-Round Residence	Non-Participating	340805.74	4686353.05	34	20	34	24	20	26	24	20	26	49	20	49
72	Year-Round Residence	Non-Participating	340889.13	4686382.89	34	20	34	24	20	26	24	20	26	49	20	49
73	Year-Round Residence	Non-Participating	341126.12	4686397.79	34	20	34	24	20	25	24	20	25	49	20	49
74	Year-Round Residence	Non-Participating	341125.65	4686455.09	34	19	34	24	19	25	24	19	25	49	19	49
75	Year-Round Residence	Non-Participating	341039.79	4686492.29	34	19	34	24	19	25	24	19	25	49	19	49
76	Year-Round Residence	Non-Participating	341057.73	4686851.65	34	18	34	24	18	25	24	18	25	49	18	49
77	Year-Round Residence	Non-Participating	341078.00	4686809.10	34	20	34	24	20	25	24	20	25	49	20	49
78	Year-Round Residence	Non-Participating	341259.02	4686529.79	34	19	34	24	19	25	24	19	25	49	19	49
79	Year-Round Residence	Non-Participating	341240.49	4686580.67	34	19	34	24	19	25	24	19	25	49	19	49
80	Year-Round Residence	Non-Participating	341612.81	4686709.81	34	16	34	24	16	25	24	16	25	49	16	49
81	Year-Round Residence	Non-Participating	341849.31	4686704.03	34	16	34	24	16	25	24	16	25	49	16	49
82	Year-Round Residence	Non-Participating	340516.37	4689885.65	35	35	38	23	35	35	24	35	35	51	35	51
83	Unknown	Non-Participating	340517.78	4690025.26	35	34	37	23	34	34	24	34	34	51	34	51
84	Year-Round Residence	Non-Participating	340504.50	4689927.33	35	34	38	23	34	35	24	34	35	51	34	51
85	Year-Round Residence	Non-Participating	340421.12	4690051.68	35	34	37	23	34	34	24	34	34	51	34	51
86	Year-Round Residence	Non-Participating	339597.53	4690353.07	30	31	34	20	31	32	23	31	32	42	31	42
87	Year-Round Residence	Non-Participating	339377.96	4690340.48	30	29	32	20	29	29	23	29	30	42	29	42
88	Year-Round Residence	Non-Participating	339438.16	4690401.65	30	30	33	20	30	31	23	30	31	42	30	42
89	Year-Round Residence	Non-Participating	339392.03	4690414.16	30	30	33	20	30	31	23	30	31	42	30	42
90	Unknown	Non-Participating	339258.88	4690352.90	30	30	33	20	30	30	23	30	31	42	30	42
91	Year-Round Residence	Non-Participating	339294.90	4690400.53	30	30	33	20	30	30	23	30	31	42	30	42
92	Unknown	Non-Participating	339155.17	4690418.71	30	28	32	20	28	29	23	28	29	42	28	42
93	Unknown	Non-Participating	341678.67	4691287.86	35	18	35	23	18	24	24	18	25	51	18	51
94	Year-Round Residence	Non-Participating	341520.88	4691132.23	35	19	35	23	19	24	24	19	25	51	19	51
95	Year-Round Residence	Non-Participating	341450.89	4691203.84	35	19	35	23	19	24	24	19	25	51	19	51
96	Year-Round Residence	Non-Participating	341083.96	4691104.26	35	20	35	23	20	25	24	20	26	51	20	51
97	Year-Round Residence	Non-Participating	340988.87	4691063.25	35	22	35	23	22	25	24	22	26	51	22	51
98	Year-Round Residence	Non-Participating	340888.14	4691162.87	35	22	35	23	22	26	24	22	26	51	22	51
99	Year-Round Residence	Non-Participating	339173.33	4691112.68	35	26	36	23	26	28	24	26	28	51	26	51
100	Year-Round Residence	Non-Participating	339148.44	4691433.43	35	25	35	23	25	27	24	25	27	51	25	51
101	Unknown	Non-Participating	338914.81	4691154.29	30	25	31	20	25	26	23	25	27	42	25	42
102	Year-Round Residence	Non-Participating	338946.72	4691119.21	30	25	31	20	25	26	23	25	27	42	25	42
103	Year-Round Residence	Non-Participating	338814.32	4690802.06	30	25	31	20	25	27	23	25	27	42	25	42
104	Unknown	Non-Participating	338816.83	4690757.52	30	25	31	20	25	26	23	25	27	42	25	42
105	Year-Round Residence	Non-Participating	338810.97	4690522.45	30	26	31	20	26	27	23	26	28	42	26	42
106	Year-Round Residence	Non-Participating	338855.26	4690506.45	30	26	32	20	26	27	23	26	28	42	26	42
107	Year-Round Residence	Non-Participating	338793.63	4690460.30	30	26	31	20	26	27	23	26	28	42	26	42
108	Year-Round Residence	Non-Participating	338807.71	4690438.40	30	26	31	20	26	27	23	26	28	42	26	42
109	Year-Round Residence	Non-Participating	338870.32	4690469.55	30	27	32	20	27	27	23	27	28	42	27	42
110	Year-Round Residence	Non-Participating	338859.94	4690441.16	30	27	32	20	27	28	23	27	28	42	27	42
111	Year-Round Residence	Non-Participating	338965.74	4690389.39	30	28	32	20	28	28	23	28	29	42	28	42
112	Year-Round Residence	Non-Participating	338935.57	4690384.80	30	27	32	20	27	28	23	27	28	42	27	42
113	Year-Round Residence	Non-Participating	338864.47	4690388.20	30	26	32	20	26	27	23	26	28	42	26	42
114	Year-Round Residence	Non-Participating	338949.66	4690343.95	30	28	32	20	28	28	23	28	29	42	28	42
115	Year-Round Residence	Non-Participating	338900.12	4690342.89	30	27	32	20	27	27	23	27	28	42	27	42
116	Year-Round Residence	Non-Participating	338877.50	4690339.45	30	26	32	20	26	27	23	26	28	42	26	42
117	Year-Round Residence	Non-Participating	338829.99	4690349.79	30	26	31	20	26	27	23	26	28	42	26	42
118	Year-Round Residence	Non-Participating	338773.05	4690296.04	30	26	31	20	26	27	23	26	28	42	26	42



Table 19-8.2: Long-Term Future Total Sound Levels

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Ambient Daytime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Daytime Noise Level (dBA)	Ambient Summer Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Summer Nighttime Noise Level (dBA)	Ambient Winter Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Winter Nighttime Noise Level (dBA)	Ambient Daytime Average LEQ (dBA, ANS Filtered)	Project Only Annual L50 (dBA)	Typical Project Daytime Noise Level (dBA)
			X (m)	Y (m)												
119	Year-Round Residence	Non-Participating	338817.59	4690387.51	30	26	31	20	26	27	23	26	28	42	26	42
120	Year-Round Residence	Non-Participating	338748.45	4690418.18	30	25	31	20	25	26	23	25	27	42	25	42
121	Unknown	Non-Participating	338557.02	4690341.10	30	24	31	20	24	26	23	24	27	42	24	42
122	Year-Round Residence	Non-Participating	338711.35	4690342.83	30	25	31	20	25	26	23	25	27	42	25	42
123	Year-Round Residence	Non-Participating	338647.10	4690336.38	30	25	31	20	25	26	23	25	27	42	25	42
124	Year-Round Residence	Non-Participating	338638.03	4690384.16	30	25	31	20	25	26	23	25	27	42	25	42
125	Year-Round Residence	Non-Participating	338519.61	4690338.93	30	24	31	20	24	26	23	24	27	42	24	42
126	Year-Round Residence	Non-Participating	338440.14	4690276.67	30	24	31	20	24	26	23	24	27	42	24	42
127	Year-Round Residence	Non-Participating	338451.61	4690333.23	30	24	31	20	24	26	23	24	27	42	24	42
128	Year-Round Residence	Non-Participating	338501.23	4690395.07	30	24	31	20	24	25	23	24	27	42	24	42
129	Year-Round Residence	Non-Participating	338439.84	4690397.59	30	24	31	20	24	25	23	24	26	42	24	42
130	Year-Round Residence	Non-Participating	338378.01	4690381.40	30	24	31	20	24	25	23	24	26	42	24	42
131	Year-Round Residence	Non-Participating	338310.24	4690337.38	30	24	31	20	24	25	23	24	26	42	24	42
132	Year-Round Residence	Non-Participating	338170.66	4690428.69	30	25	31	20	25	27	23	25	27	42	25	42
133	Year-Round Residence	Non-Participating	337996.87	4690330.96	30	25	31	20	25	26	23	25	27	42	25	42
134	Year-Round Residence	Non-Participating	337897.88	4690371.13	30	25	31	20	25	26	23	25	27	42	25	42
135	Year-Round Residence	Non-Participating	337646.25	4690386.65	30	24	31	20	24	25	23	24	26	42	24	42
136	Year-Round Residence	Non-Participating	338425.98	4690114.92	30	24	31	20	24	25	23	24	26	42	24	42
137	Year-Round Residence	Non-Participating	338310.34	4689366.74	30	26	32	20	26	27	23	26	28	42	26	42
138	Year-Round Residence	Non-Participating	338362.64	4689228.52	30	27	32	20	27	28	23	27	29	42	27	42
139	Year-Round Residence	Non-Participating	338239.09	4689124.76	30	20	30	20	20	23	23	20	25	42	20	42
140	Unknown	Non-Participating	338255.52	4688830.75	30	16	30	20	16	21	23	16	24	42	16	42
141	Year-Round Residence	Non-Participating	338301.86	4688922.64	30	13	30	20	13	21	23	13	23	42	13	42
142	Year-Round Residence	Non-Participating	338309.99	4688853.28	30	14	30	20	14	21	23	14	24	42	14	42
143	Unknown	Non-Participating	338642.20	4687744.92	30	12	30	20	12	21	23	12	23	42	12	42
144	Year-Round Residence	Non-Participating	338514.09	4687780.03	30	19	30	20	19	22	23	19	24	42	19	42
145	Year-Round Residence	Non-Participating	338673.02	4687690.89	30	9	30	20	9	20	23	9	23	42	9	42
146	Year-Round Residence	Non-Participating	338664.35	4687468.12	30	17	30	20	17	22	23	17	24	42	17	42
147	Unknown	Non-Participating	338810.04	4686841.22	34	15	34	24	15	24	24	15	24	49	15	49
148	Year-Round Residence	Non-Participating	339952.69	4687394.08	34	26	35	24	26	28	24	26	28	49	26	49
149	Year-Round Residence	Non-Participating	339490.26	4690278.22	30	31	34	20	31	31	23	31	32	42	31	42
150	Unknown	Non-Participating	339502.67	4690241.16	30	31	34	20	31	32	23	31	32	42	31	42
151	Year-Round Residence	Non-Participating	339577.75	4689880.88	30	36	37	20	36	36	23	36	36	42	36	43
152	Unknown	Non-Participating	339504.85	4689603.27	30	40	40	20	40	40	23	40	40	42	40	44
153	Year-Round Residence	Participating	339598.86	4688504.81	30	47	47	20	47	47	23	47	47	42	47	48
154	Year-Round Residence	Non-Participating	340438.80	4688513.39	34	39	41	24	39	40	24	39	40	49	39	49
155	Year-Round Residence	Non-Participating	340596.69	4688300.52	34	36	38	24	36	36	24	36	36	49	36	49
156	Year-Round Residence	Non-Participating	340574.14	4688290.90	34	36	38	24	36	36	24	36	36	49	36	49
157	Year-Round Residence	Non-Participating	340360.22	4686651.95	34	21	34	24	21	26	24	21	26	49	21	49
158	Year-Round Residence	Non-Participating	339820.07	4686174.31	34	18	34	24	18	25	24	18	25	49	18	49
159	Year-Round Residence	Non-Participating	339450.61	4686054.07	34	18	34	24	18	25	24	18	25	49	18	49
160	Year-Round Residence	Non-Participating	339492.62	4685995.81	34	17	34	24	17	25	24	17	25	49	17	49
161	Year-Round Residence	Non-Participating	341060.59	4687660.40	34	27	35	24	27	29	24	27	29	49	27	49
162	Year-Round Residence	Non-Participating	341106.08	4687521.01	34	26	35	24	26	28	24	26	28	49	26	49
163	Year-Round Residence	Non-Participating	341058.01	4687410.18	34	24	34	24	24	27	24	24	27	49	24	49
164	Year-Round Residence	Non-Participating	340957.37	4687438.02	34	28	35	24	28	29	24	28	29	49	28	49
165	Year-Round Residence	Non-Participating	341089.73	4687268.23	34	22	34	24	22	26	24	22	26	49	22	49
166	Year-Round Residence	Non-Participating	341053.57	4687194.58	34	22	34	24	22	26	24	22	26	49	22	49
167	Year-Round Residence	Non-Participating	341057.83	4687041.13	34	21	34	24	21	26	24	21	26	49	21	49
168	Year-Round Residence	Non-Participating	341051.18	4686991.71	34	19	34	24	19	25	24	19	25	49	19	49
169	Year-Round Residence	Non-Participating	341057.96	4686881.17	34	19	34	24	19	25	24	19	25	49	19	49
170	Year-Round Residence	Non-Participating	341053.77	4686764.48	34	18	34	24	18	25	24	18	25	49	18	49
171	Year-Round Residence	Non-Participating	341058.17	4686734.19	34	18	34	24	18	25	24	18	25	49	18	49
172	Year-Round Residence	Non-Participating	341054.34	4686701.89	34	18	34	24	18	25	24	18	25	49	18	49
173	Year-Round Residence	Non-Participating	341052.61	4686664.91	34	19	34	24	19	25	24	19	25	49	19	49
174	Unknown	Non-Participating	340843.63	4686655.55	34	20	34	24	20	25	24	20	25	49	20	49
175	Year-Round Residence	Non-Participating	340959.61	4686679.36	34	15	34	24	15	25	24	15	25	49	15	49
176	Year-Round Residence	Non-Participating	341010.62	4686587.86	34	19	34	24	19	25	24	19	25	49	19	49
177	Year-Round Residence	Non-Participating	341046.56	4686592.78	34	19	34	24	19	25	24	19	25	49	19	49

Table 19-8.2: Long-Term Future Total Sound Levels

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates UTM NAD83 Zone 18N (meters)		Ambient Daytime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Daytime Noise Level (dBA)	Ambient Summer Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Summer Nighttime Noise Level (dBA)	Ambient Winter Nighttime L90 (dBA, ANS Filtered)	Project Only Annual L10 (dBA)	Worst Case Future Winter Nighttime Noise Level (dBA)	Ambient Daytime Average LEQ (dBA, ANS Filtered)	Project Only Annual L50 (dBA)	Typical Project Daytime Noise Level (dBA)
			X (m)	Y (m)												
178	Year-Round Residence	Non-Participating	341045.39	4686520.53	34	19	34	24	19	25	24	19	25	49	19	49
179	Year-Round Residence	Non-Participating	341197.87	4686525.00	34	19	34	24	19	25	24	19	25	49	19	49
180	Unknown	Non-Participating	341225.29	4686534.74	34	19	34	24	19	25	24	19	25	49	19	49
181	Unknown	Non-Participating	341229.11	4686498.30	34	19	34	24	19	25	24	19	25	49	19	49
182	Year-Round Residence	Non-Participating	341524.77	4686728.55	34	17	34	24	17	25	24	17	25	49	17	49
183	Year-Round Residence	Non-Participating	341535.14	4686619.90	34	19	34	24	19	25	24	19	25	49	19	49
184	Year-Round Residence	Non-Participating	342088.27	4686493.06	34	17	34	24	17	25	24	17	25	49	17	49
185	Year-Round Residence	Non-Participating	341407.20	4689548.96	35	27	36	23	27	28	24	27	28	51	27	51
186	Year-Round Residence	Non-Participating	340591.31	4690128.42	35	32	37	23	32	33	24	32	33	51	32	51
187	Year-Round Residence	Non-Participating	340029.40	4690109.07	35	34	37	23	34	34	24	34	34	51	34	51
188	Year-Round Residence	Non-Participating	339921.60	4690228.26	35	33	37	23	33	33	24	33	33	51	33	51
189	Unknown	Non-Participating	339802.30	4690337.37	35	32	37	23	32	33	24	32	33	51	32	51
190	Year-Round Residence	Non-Participating	339681.98	4690257.31	30	32	34	20	32	32	23	32	32	42	32	42
191	Year-Round Residence	Non-Participating	339148.36	4690449.26	30	28	32	20	28	28	23	28	29	42	28	42
192	Year-Round Residence	Non-Participating	339150.73	4690302.09	30	29	32	20	29	29	23	29	30	42	29	42
193	Year-Round Residence	Non-Participating	339081.06	4690348.62	30	27	32	20	27	28	23	27	28	42	27	42
194	Year-Round Residence	Non-Participating	339075.06	4690395.44	30	27	32	20	27	28	23	27	28	42	27	42
195	Year-Round Residence	Non-Participating	339000.06	4690382.63	30	27	32	20	27	28	23	27	29	42	27	42
196	Year-Round Residence	Non-Participating	341377.86	4691219.14	35	19	35	23	19	24	24	19	25	51	19	51
197	Year-Round Residence	Non-Participating	341368.64	4691377.90	35	18	35	23	18	24	24	18	25	51	18	51
198	Year-Round Residence	Non-Participating	341259.46	4691183.07	35	19	35	23	19	25	24	19	25	51	19	51
199	Year-Round Residence	Non-Participating	340305.20	4691007.05	35	22	35	23	22	26	24	22	26	51	22	51
200	Year-Round Residence	Non-Participating	340476.38	4691147.61	35	22	35	23	22	26	24	22	26	51	22	51
201	Year-Round Residence	Non-Participating	340382.44	4691137.42	35	22	35	23	22	26	24	22	26	51	22	51
202	Year-Round Residence	Non-Participating	340270.08	4691133.81	35	22	35	23	22	25	24	22	26	51	22	51
203	Year-Round Residence	Non-Participating	340010.76	4691159.99	35	22	35	23	22	26	24	22	26	51	22	51
204	Year-Round Residence	Non-Participating	339841.60	4691069.61	35	23	35	23	23	26	24	23	27	51	23	51
205	Year-Round Residence	Non-Participating	339730.93	4691139.97	35	24	35	23	24	26	24	24	27	51	24	51
206	Unknown	Non-Participating	339532.89	4691177.98	35	21	35	23	21	25	24	21	26	51	21	51
207	Unknown	Non-Participating	339390.31	4691051.76	35	25	35	23	25	27	24	25	28	51	25	51
208	Year-Round Residence	Non-Participating	338901.52	4690941.43	30	24	31	20	24	26	23	24	27	42	24	42
209	Year-Round Residence	Non-Participating	338801.21	4691097.01	30	25	31	20	25	26	23	25	27	42	25	42
210	Year-Round Residence	Non-Participating	338790.91	4690611.00	30	25	31	20	25	27	23	25	27	42	25	42
211	Year-Round Residence	Non-Participating	337690.82	4690307.22	30	24	31	20	24	26	23	24	27	42	24	42
212	Year-Round Residence	Non-Participating	337720.53	4690406.08	30	24	31	20	24	25	23	24	27	42	24	42
213	Year-Round Residence	Non-Participating	337411.05	4690310.62	30	22	31	20	22	24	23	22	26	42	22	42
214	Year-Round Residence	Non-Participating	337419.07	4690465.48	30	23	31	20	23	24	23	23	26	42	23	42
215	Year-Round Residence	Non-Participating	337444.05	4690360.95	30	22	31	20	22	24	23	22	26	42	22	42