

APPENDIX A

Time History Noise Event Plots

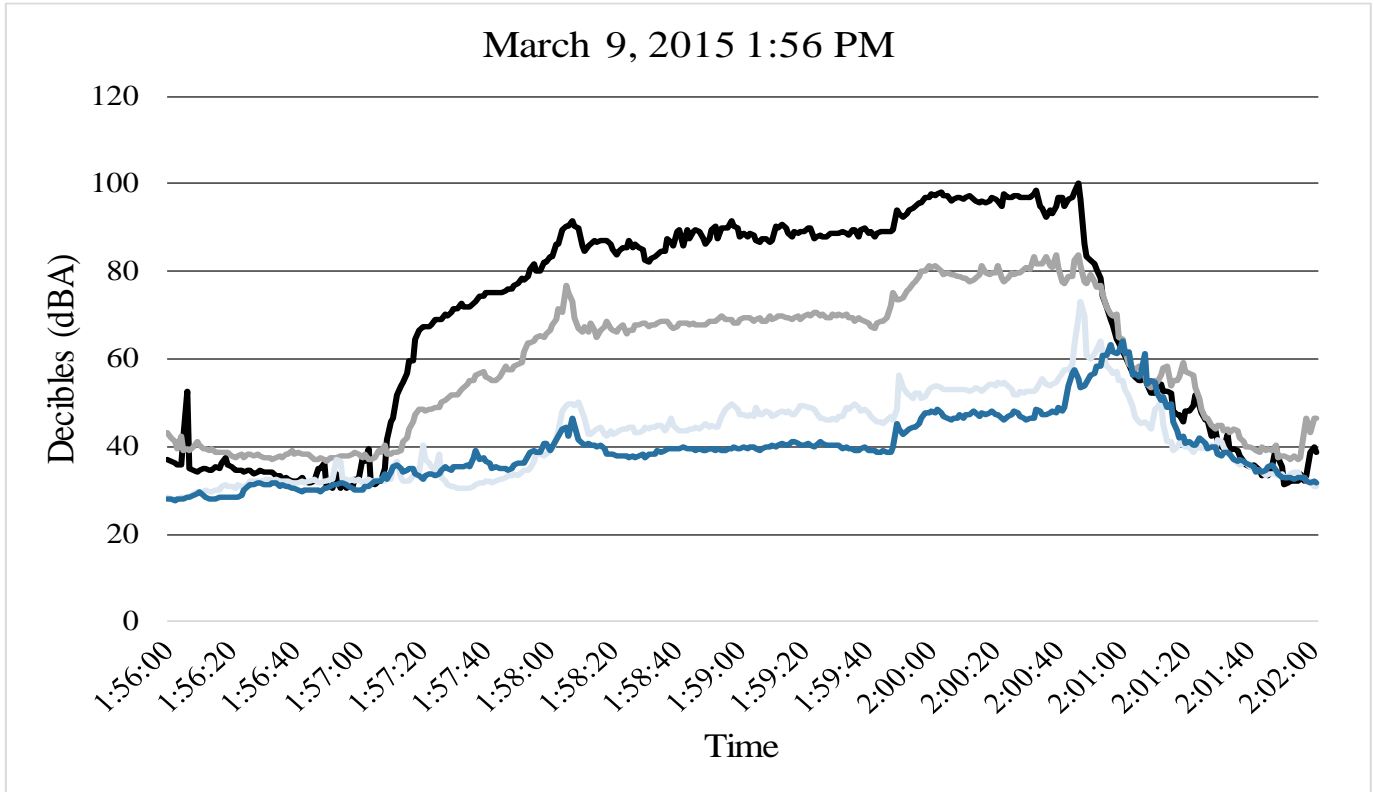
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 9, 2015 1:56:00 PM to March 9, 2015 2:02:00 PM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/9/2015 2:00:46 PM	222	208	100.1	115.2
2-Home by Helipad	3/9/2015 2:00:39 PM	189	166	83.8	98.6
3-Roadway	3/9/2015 2:00:47 PM	73	57	72.9	78.2
4-Neighboring Estate	3/9/2015 2:01:00 PM	281	221	64.1	74.5



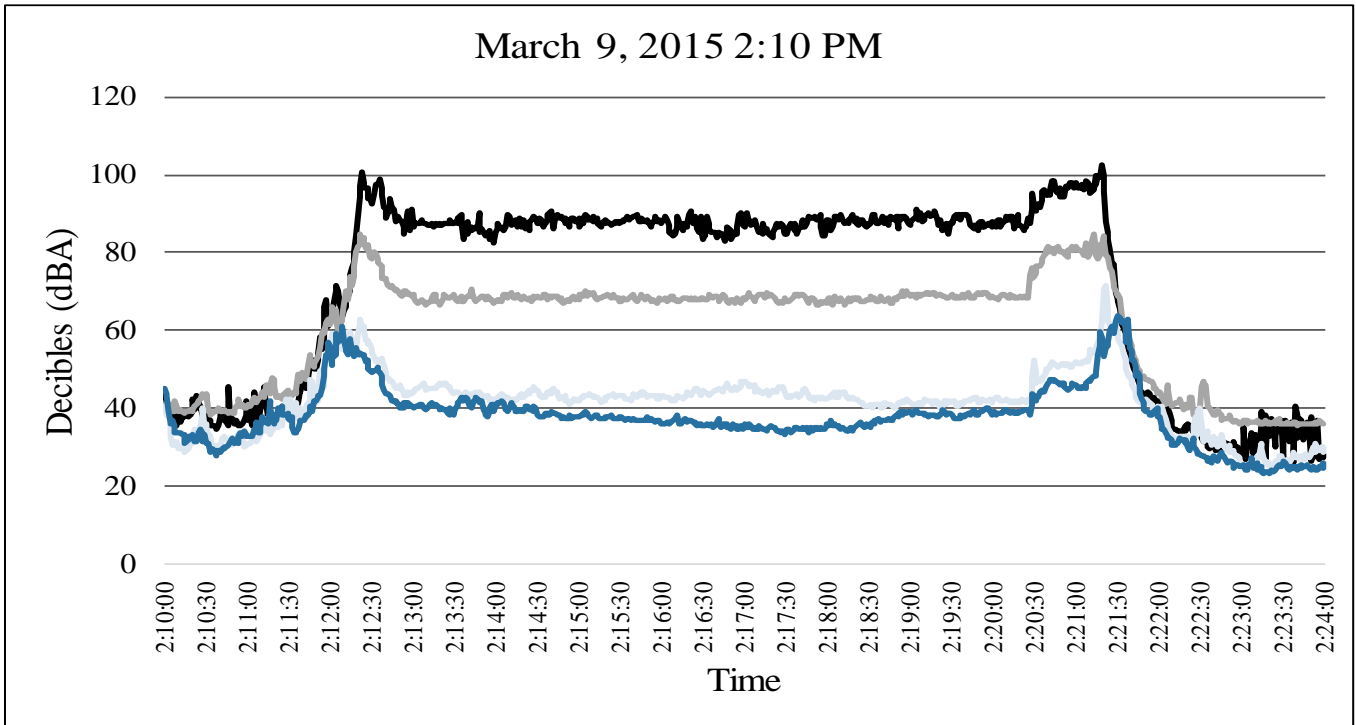
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 9, 2015 2:10:00 PM to March 9, 2015 2:24:00 PM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/9/2015 2:21:19 PM	578	563	102.3	118.0
2-Home by Helipad	3/9/2015 2:21:13 PM	579	556	84.9	100.9
3-Roadway	3/9/2015 2:21:22 PM	59	43	71.6	77.9
4-Neighboring Estate	3/9/2015 2:21:30 PM	97	63	64.0	74.7



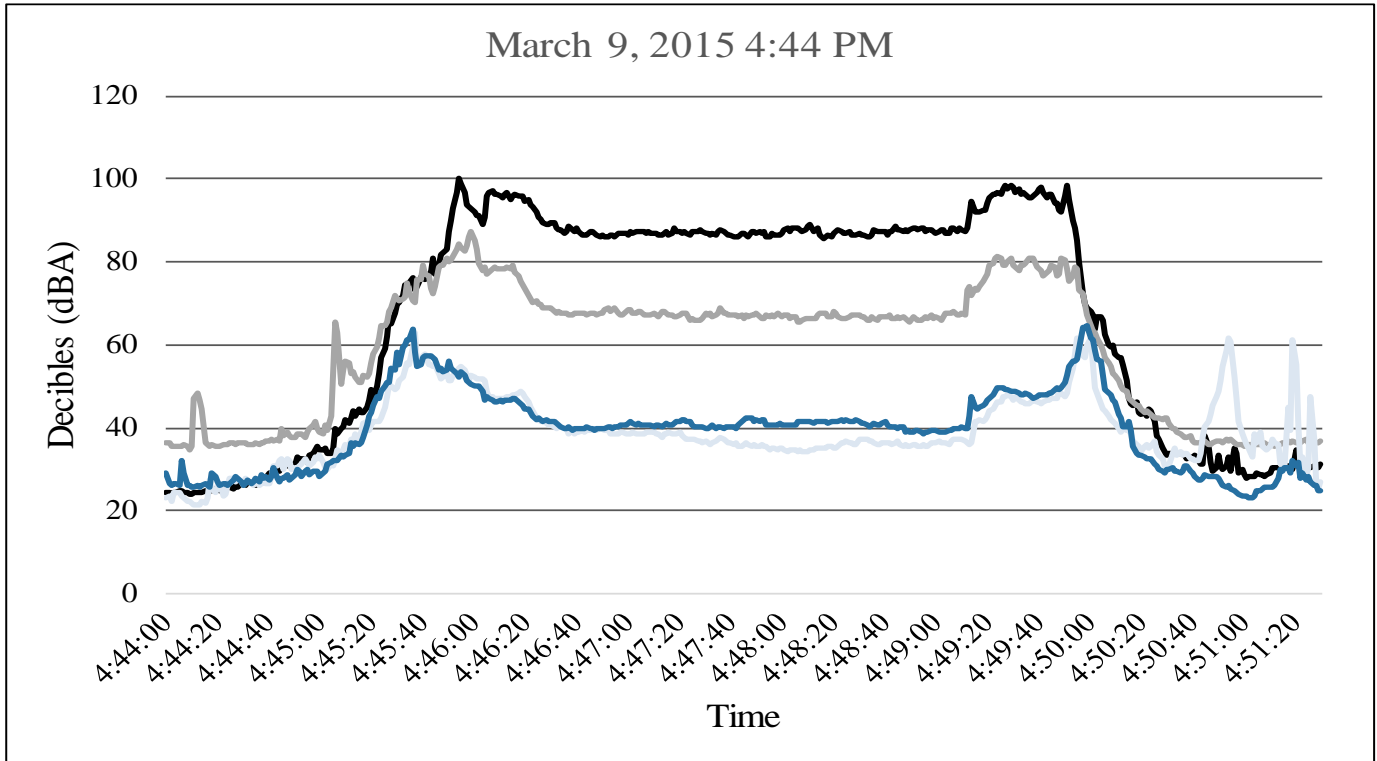
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 9, 2015 4:44:00 PM to March 9, 2015 4:51:20 PM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/9/2015 4:45:54 PM	281	28	100.3	115.7
2-Home by Helipad	3/9/2015 4:45:59 PM	279	35	87.3	99.5
3-Roadway	3/9/2015 4:49:55 PM	10	3	61.8	68.7
4-Neighboring Estate	3/9/2015 4:57:17 PM	18	5	68.6	76.6



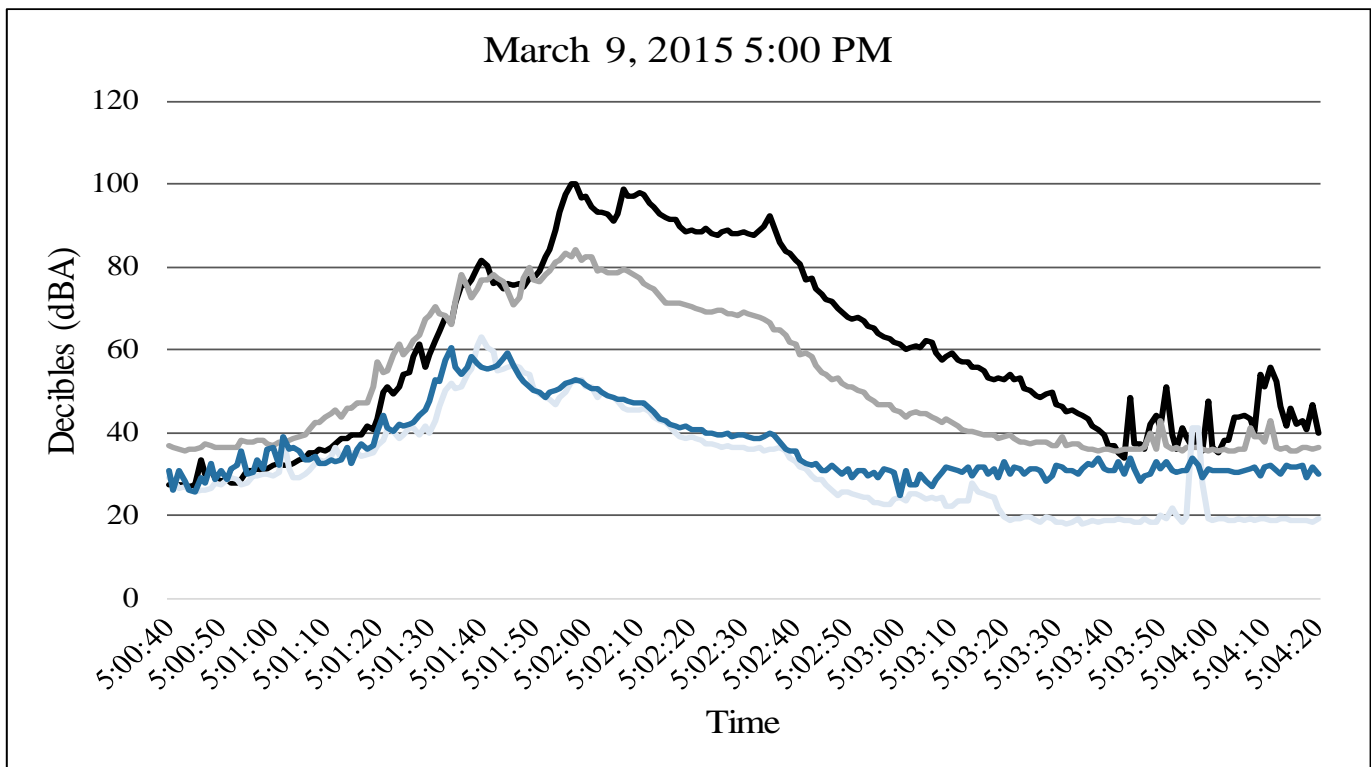
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 9, 2015 5:00:40 PM to March 9, 2015 5:04:20 PM

Sites: All

Description	Time _{MAX}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/9/2015 5:01:57 PM	119	32	100.2	110.4
2-Home by Helipad	3/9/2015 5:01:58 PM	94	39	84.0	95.2
3-Roadway	3/9/2015 5:01:40 PM	18	7	63.1	69.5
4-Neighboring Estate	3/9/2015 5:01:34 PM	108	36	60.6	70.4



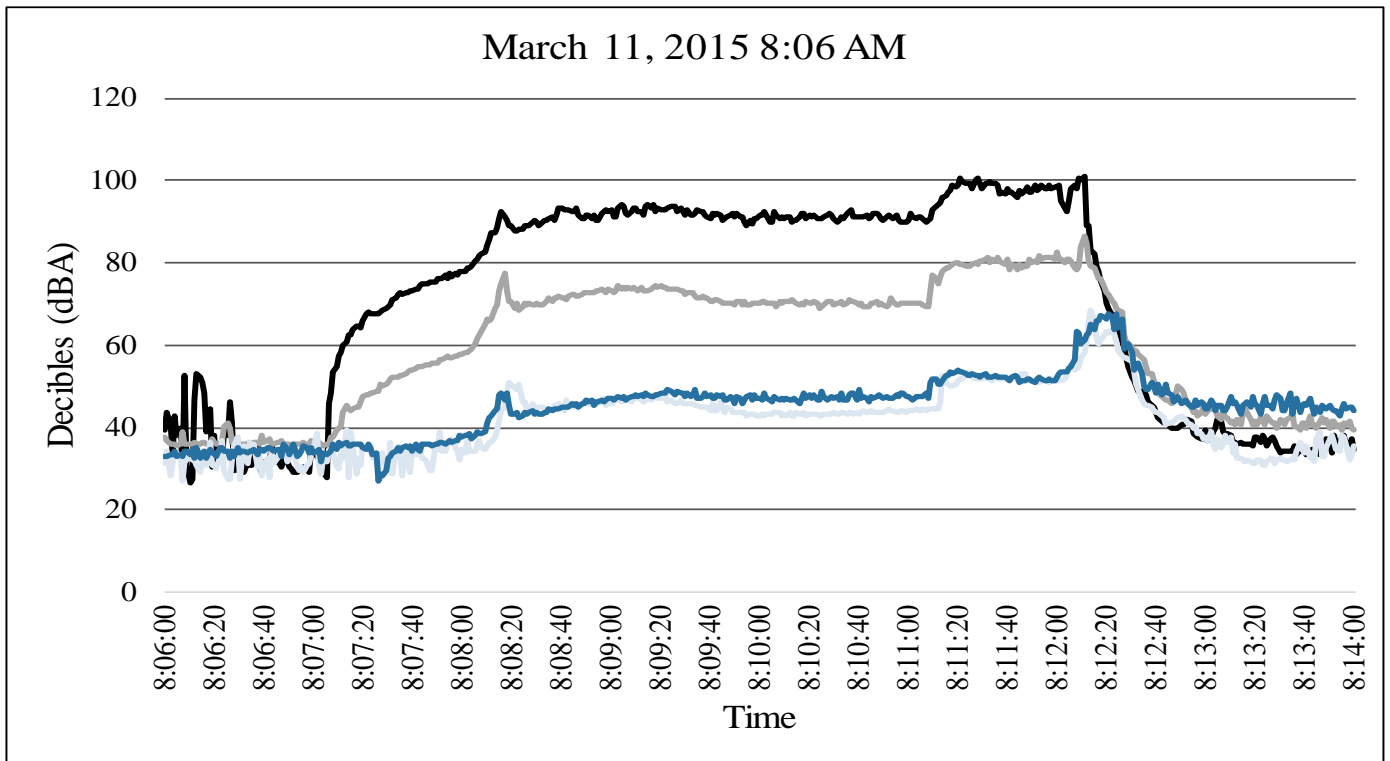
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 11, 2015 8:06:00 AM to March 11, 2015 8:14:00 AM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/11/2015 8:12:11 AM	312	297	100.9	118.2
2-Home by Helipad	3/11/2015 8:12:11 AM	261	244	86.3	100.0
3-Roadway	3/11/2015 8:12:14 AM	79	60	68.7	76.5
4-Neighboring Estate	3/11/2015 8:12:24 AM	27	17	67.8	78.4



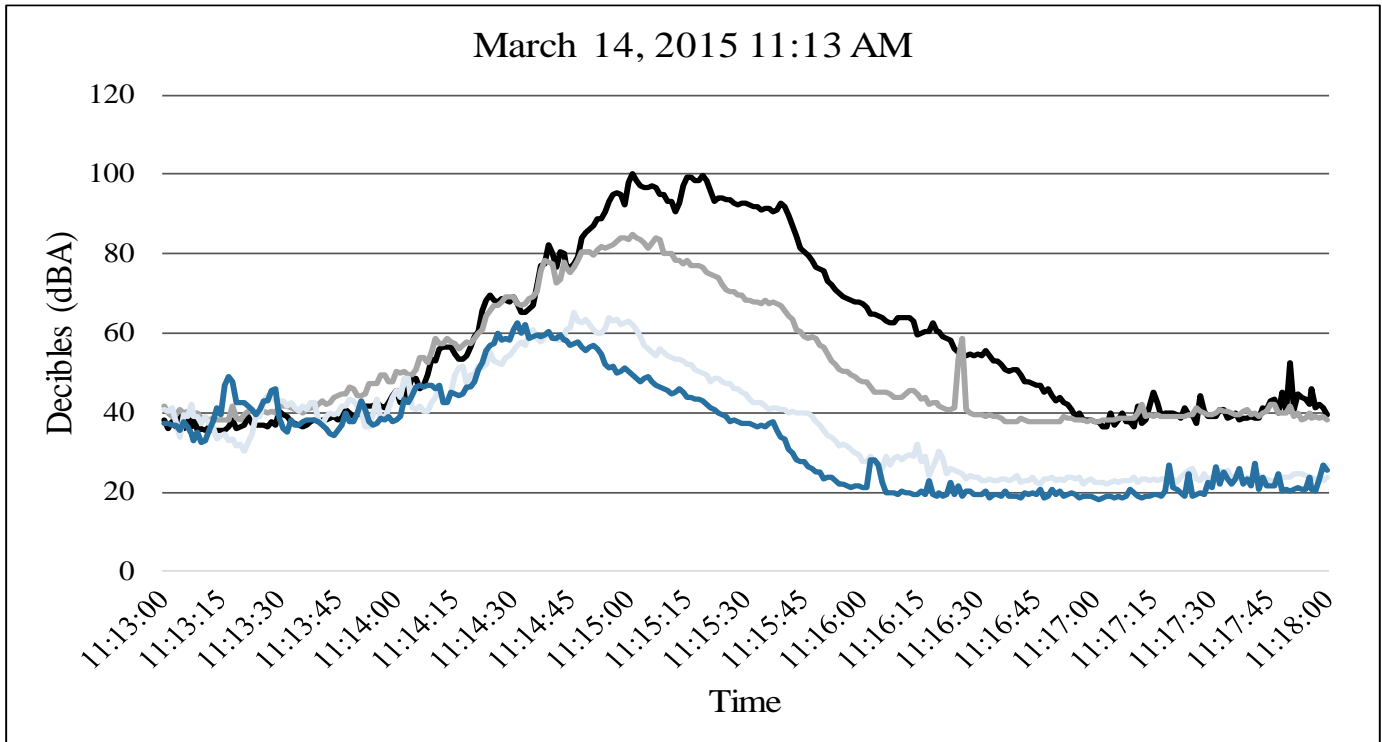
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 14, 2015 11:13:00 AM to March 14, 2015 11:18:00 AM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/14/2015 11:15:01 AM	117	39	100.3	112.4
2-Home by Helipad	3/14/2015 11:15:01 AM	117	61	84.9	97.4
3-Roadway	3/14/2015 11:14:46 AM	58	25	65.2	77.0
4-Neighboring Estate	3/14/2015 11:12:35 AM	18	15	88.0	92.8



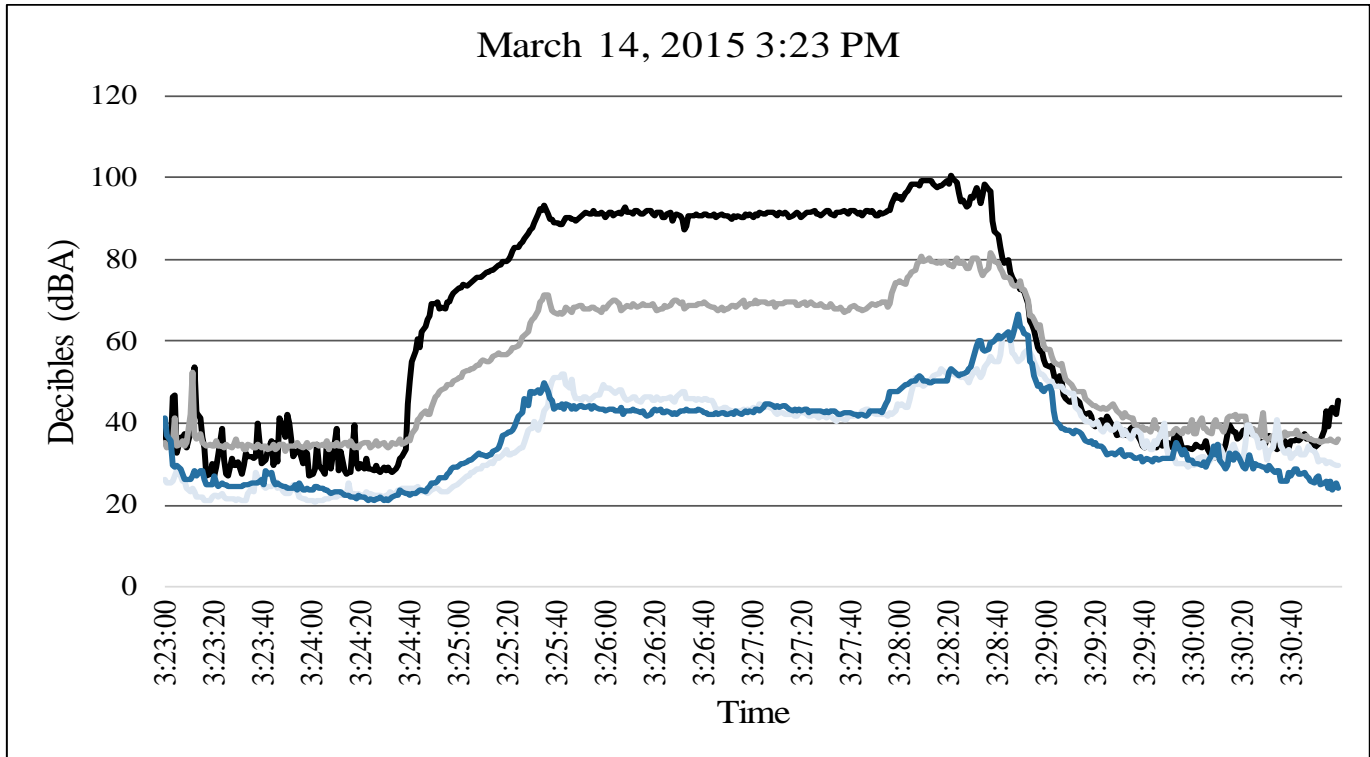
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 14, 2015 3:23:00 PM to March 14, 2015 3:30:40 PM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/14/2015 3:28:21 PM	251	216	100.5	116.2
2-Home by Helipad	3/14/2015 3:28:37 PM	210	189	81.8	96.7
3-Roadway	3/14/2015 3:28:44 PM	51	32	62.2	72.3
4-Neighboring Estate	3/14/2015 3:28:48 PM	250	211	66.8	76.0



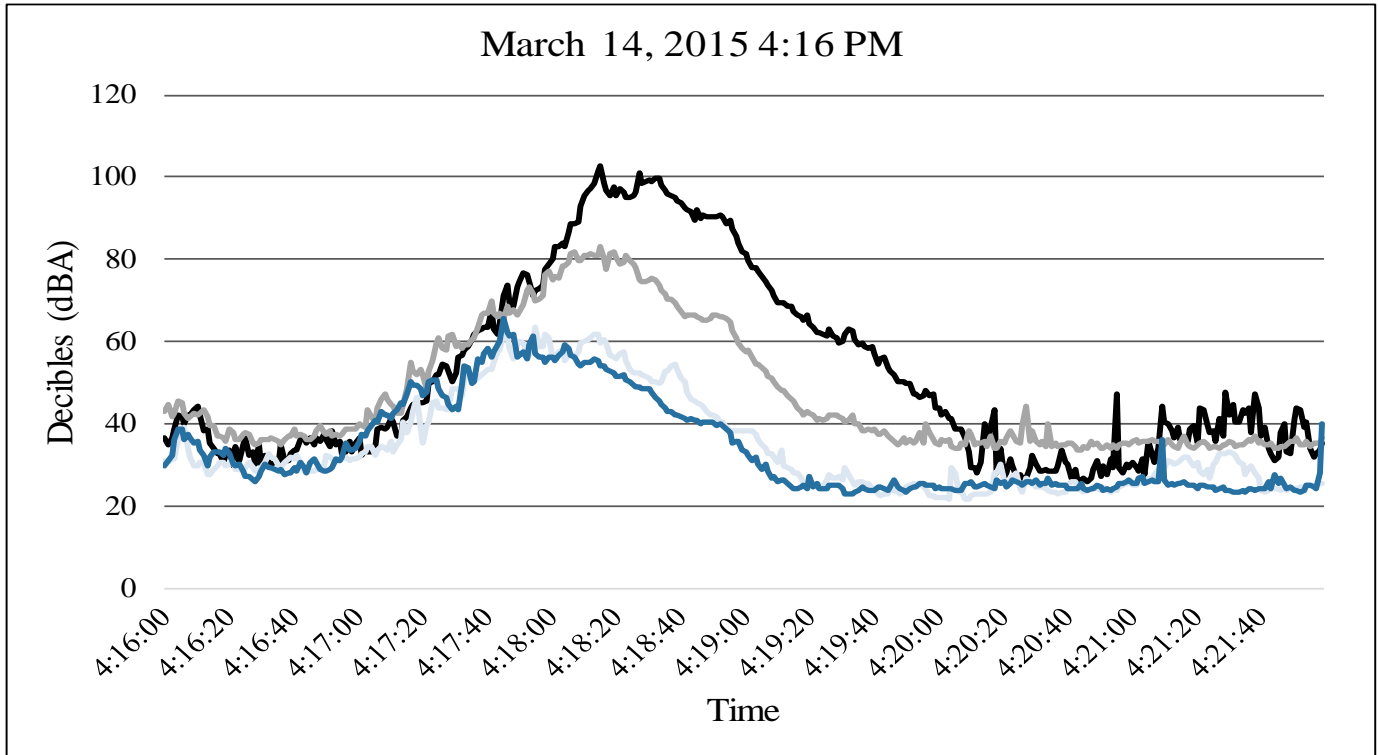
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 14, 2015 4:16:00 PM to March 14, 2015 4:21:40 PM

Sites: All

Description	Time _{MAX}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/14/2015 4:18:15 PM	110	38	102.7	113.4
2-Home by Helipad	3/14/2015 4:18:15 PM	114	59	83.0	95.3
3-Roadway	3/14/2015 4:17:55 PM	69	22	63.7	75.9
4-Neighboring Estate	3/14/2015 4:17:45 PM	114	44	65.5	74.8



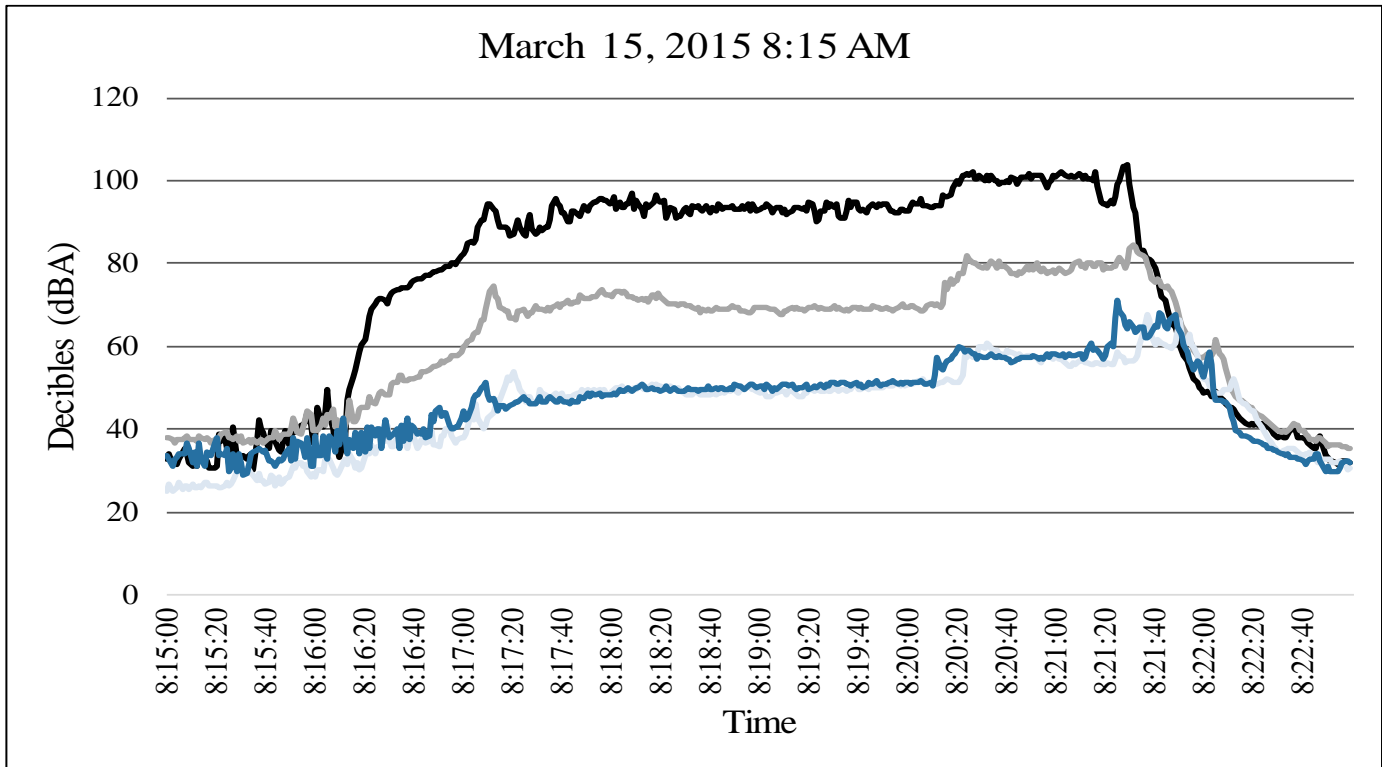
Sample Time History Noise Plot of Helicopter and Ambient Noise

Borough of Haines

Period: March 15, 2015 8:15:00 AM to March 15, 2015 8:22:40 AM

Sites: All

Description	Time _{Max}	Duration (sec)	Start to Peak	L _{MAX}	SEL
1-Helipad	3/15/2015 8:21:29 AM	329	308	103.7	120.9
2-Home by Helipad	3/15/2015 8:21:31 AM	290	267	84.7	99.9
3-Roadway	3/15/2015 8:21:37 AM	98	75	67.7	79.4
4-Neighboring Estate	3/15/2015 8:21:25 AM	112	73	71.1	82.0



APPENDIX B

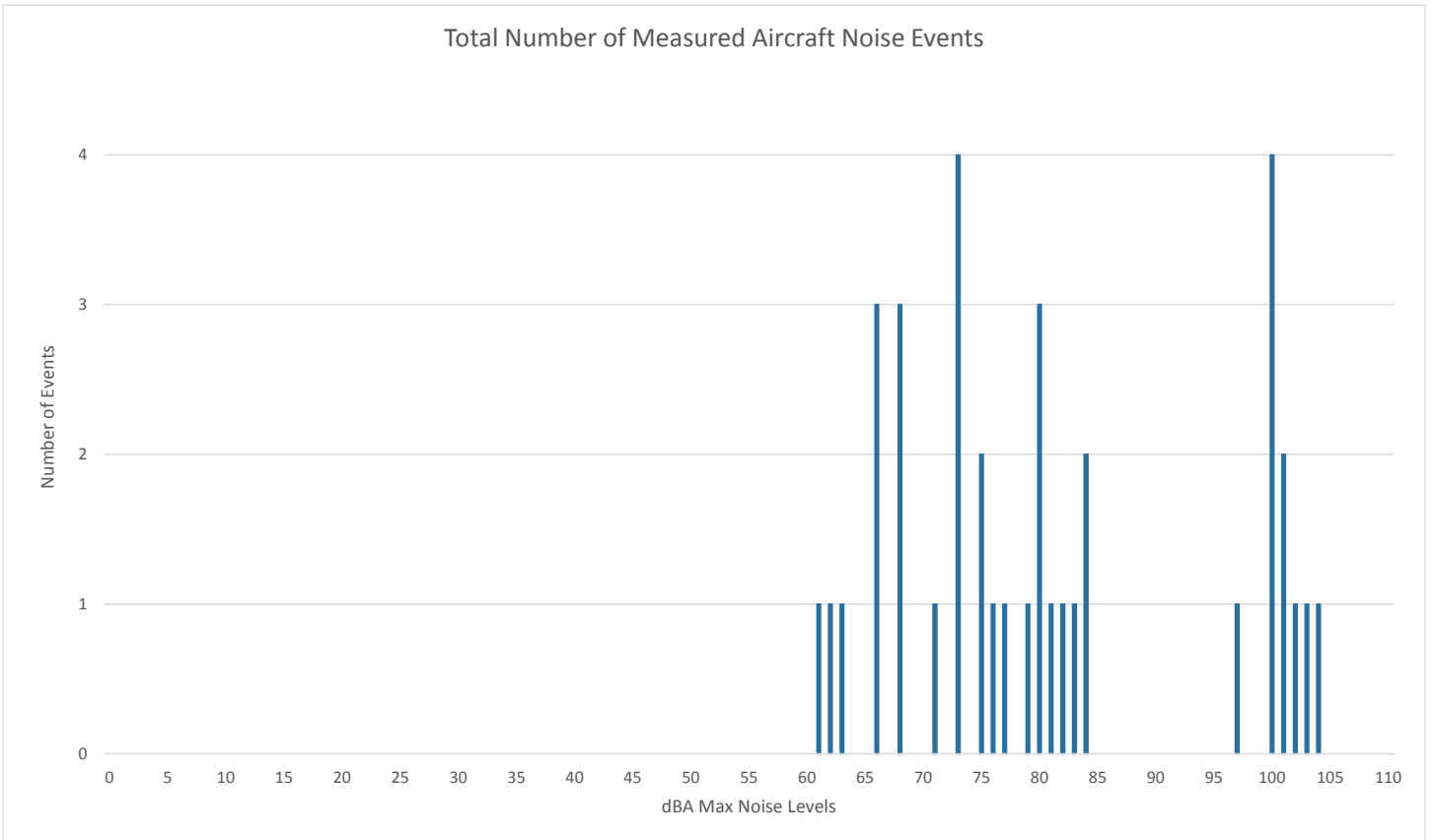
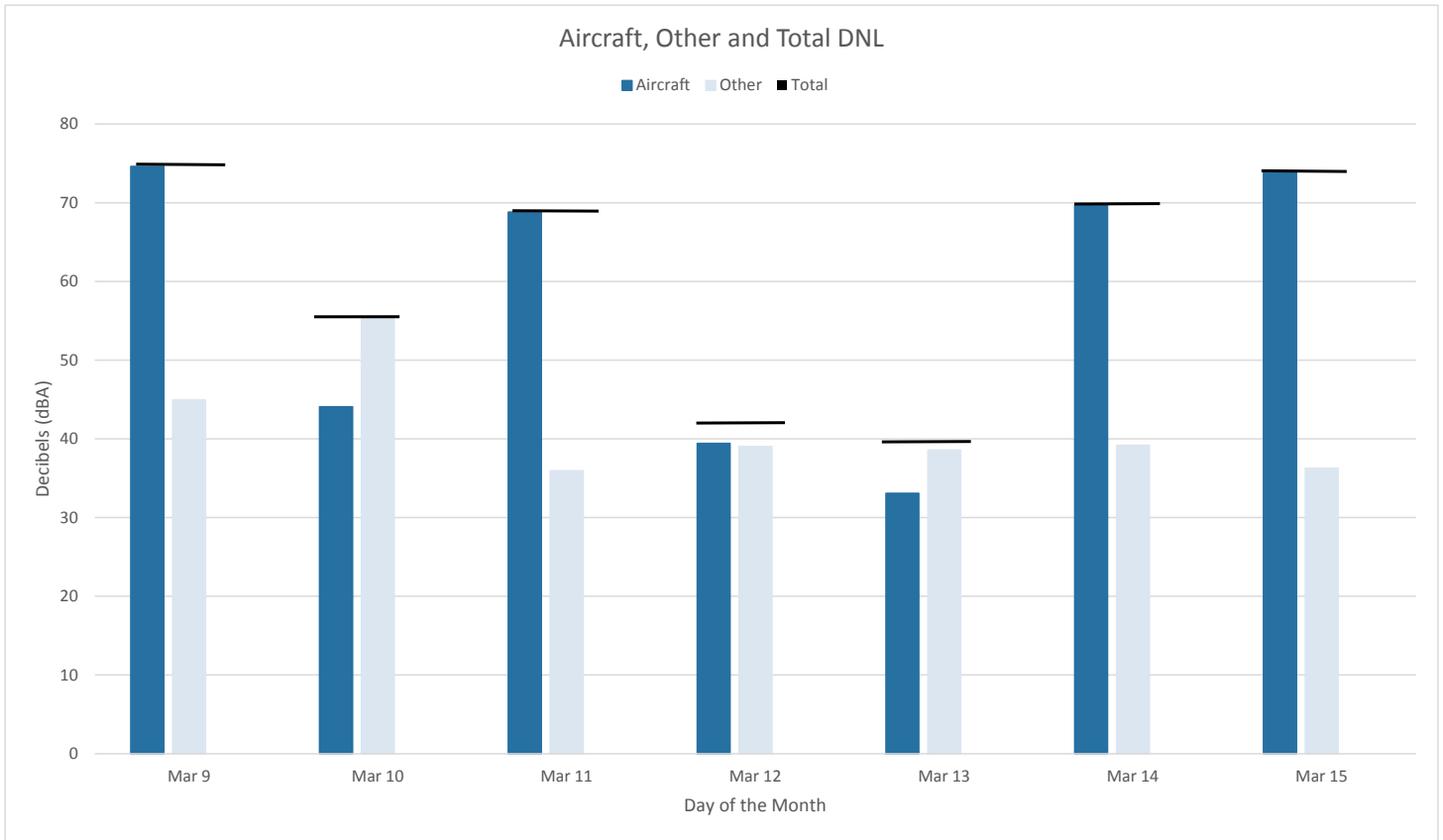
DNL Contribution and Lmax Distribution Results

DNL Contribution and Lmax Distribution Results

Borough of Haines

Period: March 9, 2015 to March 15, 2015

Site: Helipad

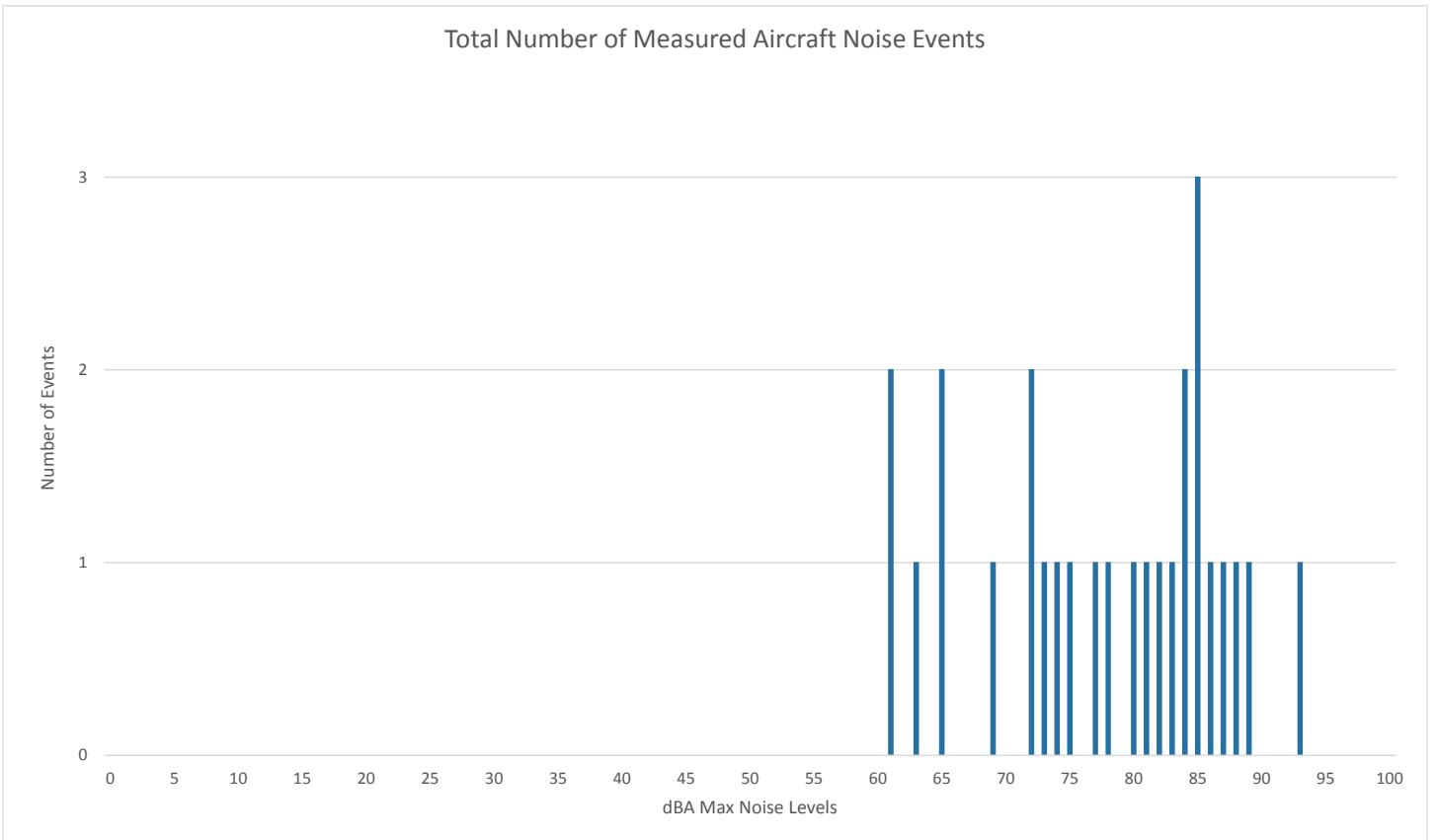
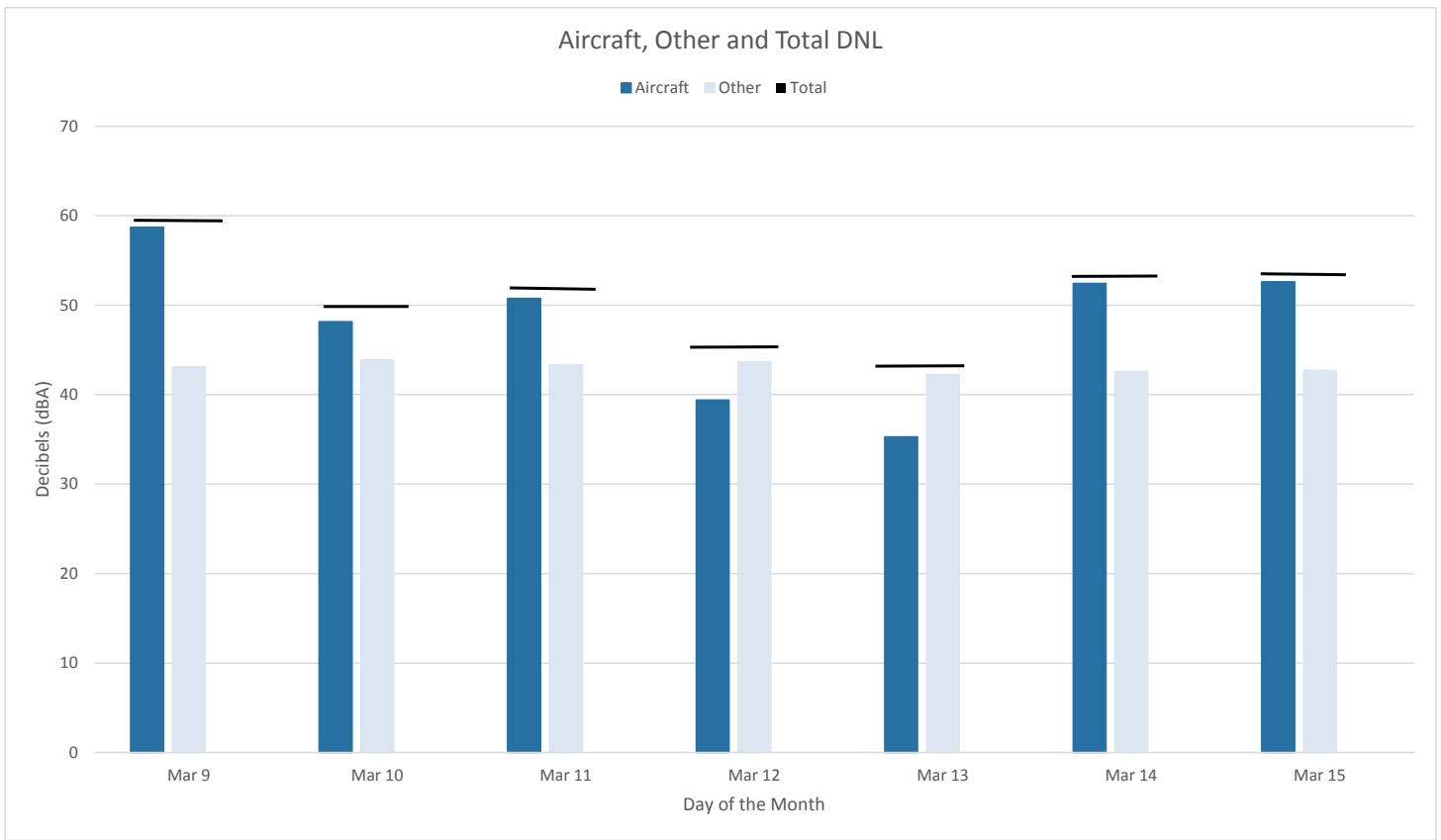


DNL Contribution and Lmax Distribution Results

Borough of Haines

Period: March 9, 2015 to March 15, 2015

Site: Home by Helipad

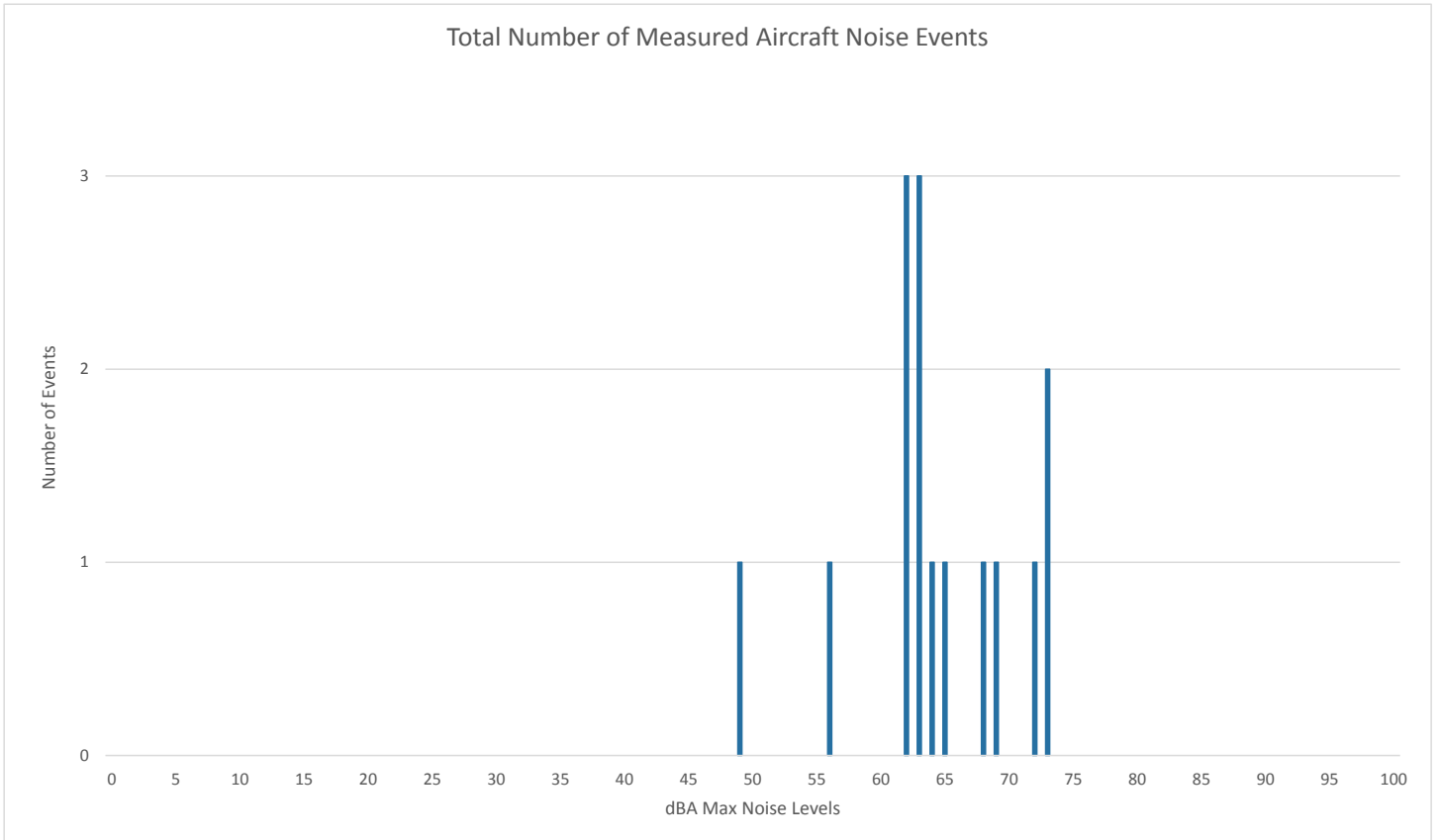
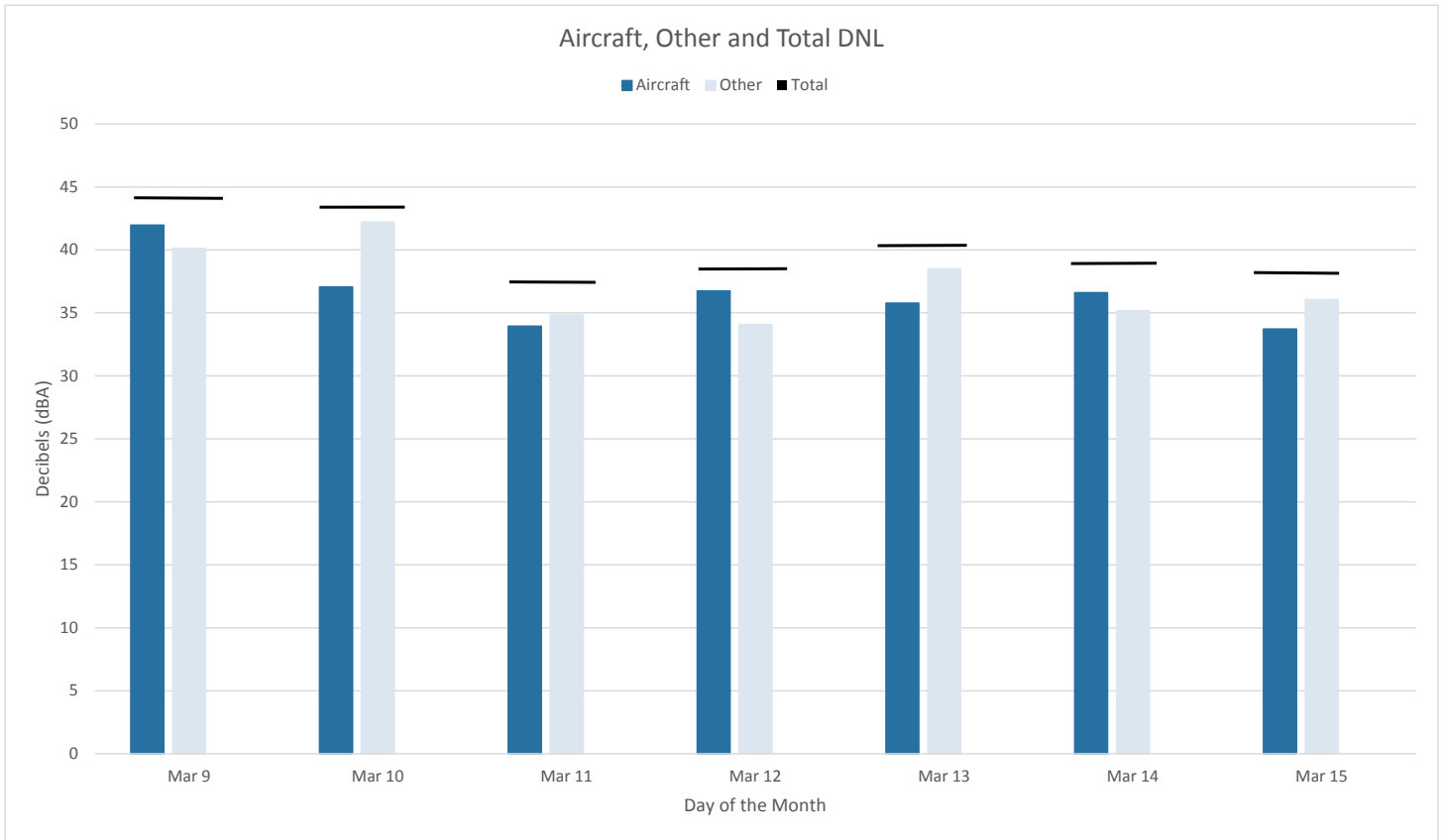


DNL Contribution and Lmax Distribution Results

Borough of Haines

Period: March 9, 2015 to March 15, 2015

Site: 3 - Roadway

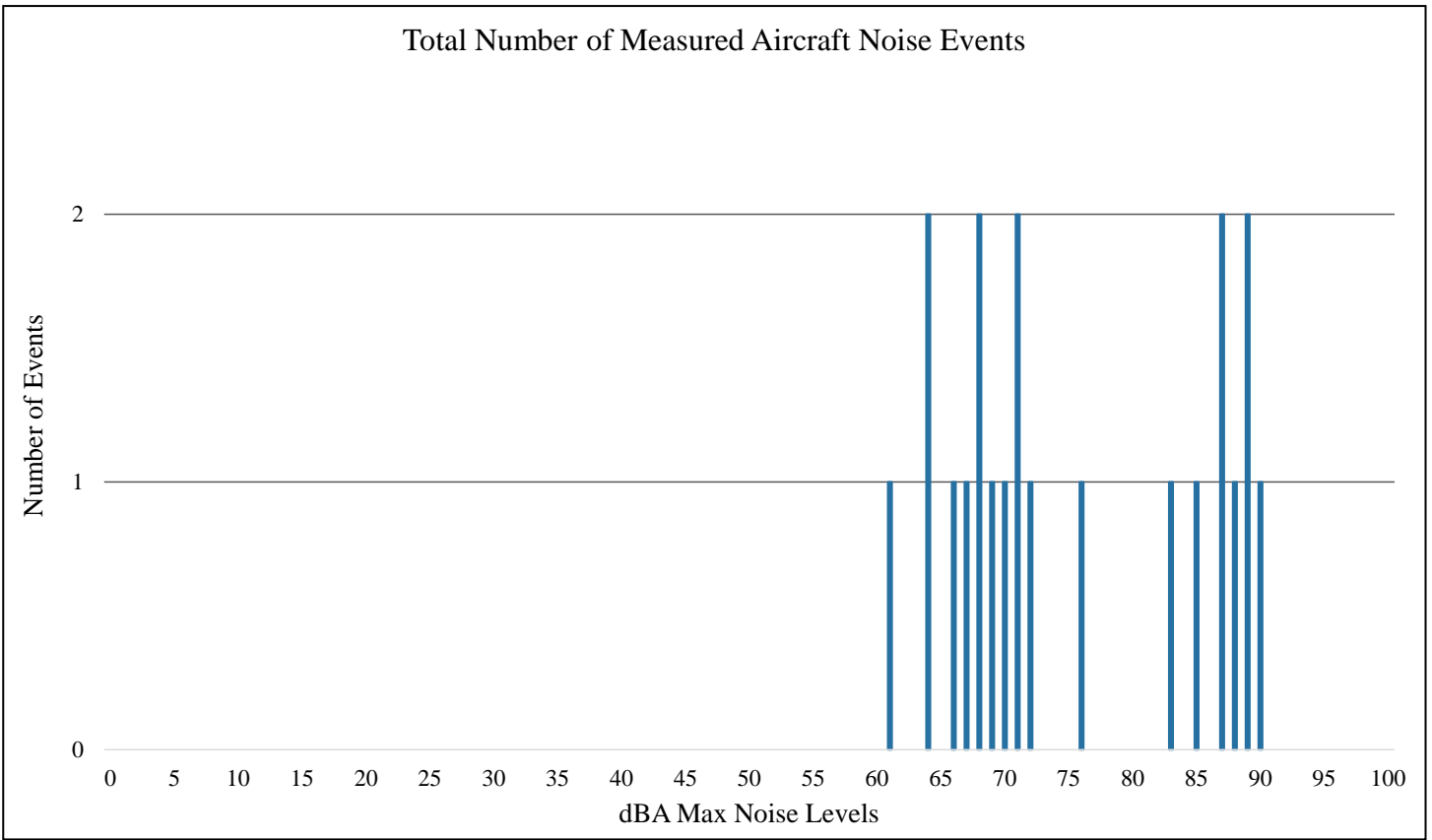
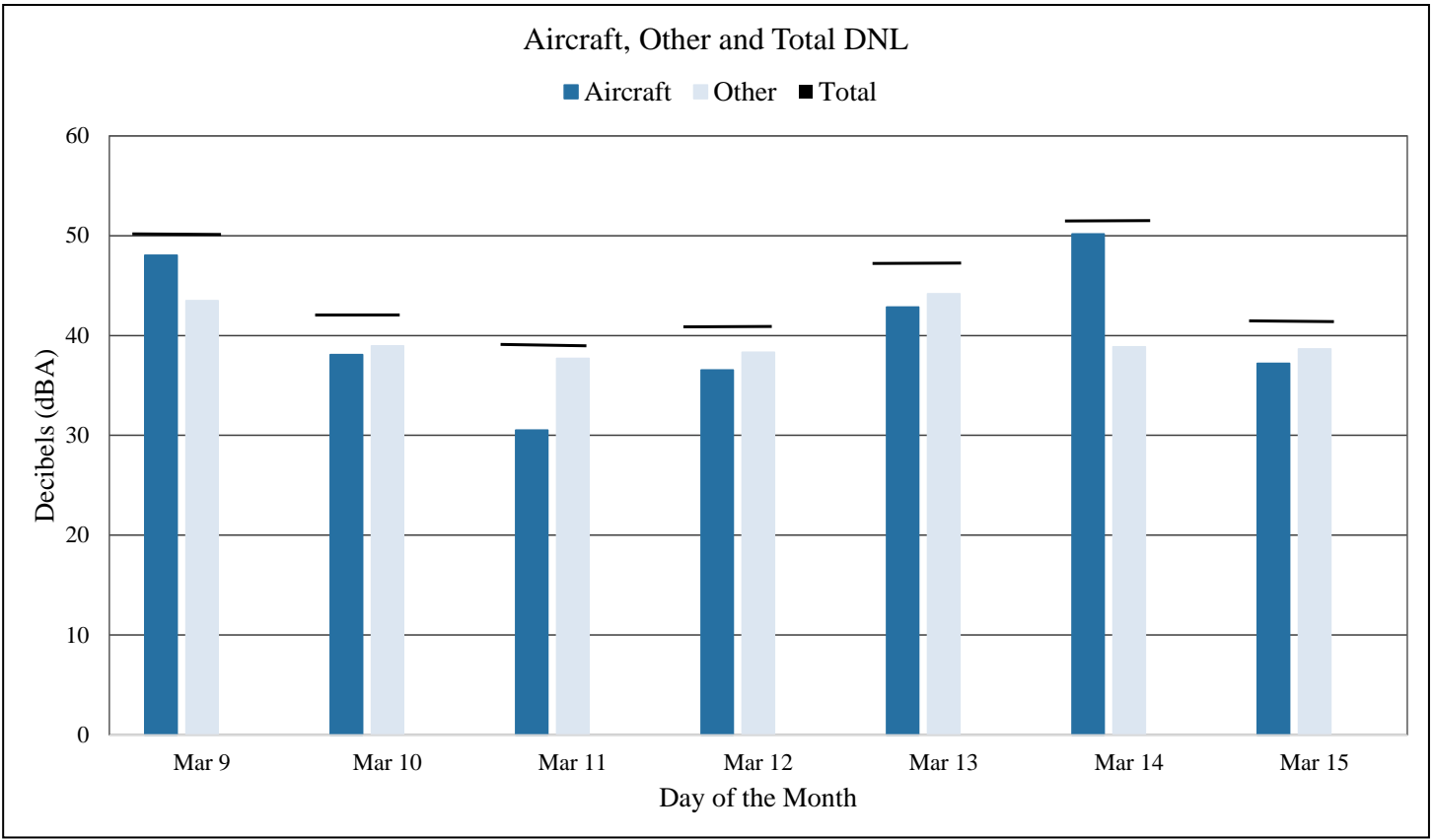


DNL Contribution and Lmax Distribution Results

Borough of Haines

Period: March 9, 2015 to March 15, 2015

Site: 4 - Neighboring Estate



APPENDIX C

Hourly LEQ Aircraft and Total Noise Data

Hourly Noise Level Site Report

Haines Borough

Period: March 9, 2015 to March 15, 2015

Site: 1 - Helipad

Metric: Aircraft LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	0	0	0	75	84	55	80	75	0	0	0	0	0	0	75
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	51	53	0	0	0	0	0	0	0	0	0	42
Mar 11	0	0	0	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 14	0	0	0	0	0	0	0	0	0	0	57	77	0	0	0	81	78	0	0	0	0	0	0	0	70
Mar 15	0	0	0	0	0	0	0	0	85	0	0	0	0	0	--	--	--	--	--	--	--	--	--	--	74
Energy Average	0	0	0	0	0	0	0	0	79	0	49	68	0	66	76	73	74	67	0	0	0	0	0	0	69

Metric: Total LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	59	37	35	75	84	55	80	75	42	27	25	25	27	24	75
Mar 10	24	31	38	26	23	22	22	32	30	69	34	30	33	54	53	42	26	30	50	24	24	26	24	25	55
Mar 11	23	24	25	26	24	23	24	42	83	44	39	33	34	35	31	43	31	30	25	23	23	22	23	24	69
Mar 12	24	24	24	23	22	21	21	26	25	22	29	28	24	56	38	24	30	29	22	21	19	20	21	22	42
Mar 13	20	25	30	27	33	36	27	39	41	43	46	32	35	34	39	44	35	33	32	25	24	25	24	24	40
Mar 14	25	24	24	23	23	23	27	45	34	58	58	77	44	34	35	81	78	31	26	23	23	23	24	23	70
Mar 15	23	23	24	24	24	24	26	42	85	35	38	35	32	41	--	--	--	--	--	--	--	--	--	--	74
Energy Average	24	26	32	25	27	29	25	41	79	61	53	68	37	66	76	73	74	67	43	24	23	24	24	24	69

Hourly Noise Level Site Report

Haines Borough

Period: March 9, 2015 to March 15, 2015

Site: 2 - Home by Helipad

Metric: Aircraft LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	0	0	56	67	58	64	60	0	0	0	0	0	0	59
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	58	42	0	0	0	0	0	0	0	0	0	44
Mar 11	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 14	0	0	0	0	0	0	0	0	0	0	55	62	0	0	0	61	60	0	0	0	0	0	0	0	52
Mar 15	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	--	--	--	--	--	--	--	--	--	53
Energy Average	0	0	0	0	0	0	0	0	60	0	47	53	0	52	59	55	58	52	0	0	0	0	0	0	51

Metric: Total LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	50	37	57	67	58	64	60	36	36	36	36	36	36	59
Mar 10	36	38	43	36	35	34	35	35	35	49	35	36	39	62	44	46	35	35	44	35	35	35	35	35	50
Mar 11	35	36	36	38	35	35	40	37	64	48	37	37	39	40	37	46	36	37	37	36	36	36	36	36	51
Mar 12	36	35	35	34	31	28	26	26	28	26	33	33	30	56	51	30	47	33	28	28	26	28	30	30	45
Mar 13	30	31	32	32	34	38	34	38	41	41	50	37	40	41	42	48	40	35	34	34	34	34	34	34	43
Mar 14	34	34	34	34	34	34	34	43	40	48	56	62	42	40	39	61	60	37	34	34	34	34	34	34	53
Mar 15	34	34	34	34	34	34	34	43	64	37	38	38	38	37	47	--	--	--	--	--	--	--	--	--	53
Energy Average	35	35	38	35	34	35	36	39	60	46	49	54	39	55	59	55	58	52	38	34	34	34	35	35	52

Hourly Noise Level Site Report

Haines Borough

Period: March 9, 2015 to March 15, 2015

Site: 3 - Roadway

Metric: Aircraft LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	0	0	27	46	31	37	34	0	0	0	0	0	0	36
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 11	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 14	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	46	40	0	0	0	0	0	28	0	35
Mar 15	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	--	--	--	--	--	--	--	--	--	32
Energy Average	0	0	0	0	0	0	0	0	38	0	0	33	0	19	38	38	34	26	0	0	0	0	20	0	30

Metric: Total LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	53	36	38	47	43	41	38	35	30	34	23	26	24	44
Mar 10	20	31	44	30	23	23	24	31	33	47	49	30	28	38	44	44	33	27	39	33	35	25	27	24	43
Mar 11	19	24	21	21	19	19	36	35	42	44	30	31	35	37	36	42	23	31	36	35	32	17	20	24	37
Mar 12	25	22	24	19	18	18	19	22	24	45	50	25	28	32	42	24	28	24	29	33	19	18	18	22	39
Mar 13	17	20	22	22	26	28	28	45	44	48	39	43	46	37	41	41	35	31	30	27	36	31	19	19	40
Mar 14	19	19	19	19	19	19	30	34	35	47	38	43	33	31	36	48	41	36	19	29	29	27	30	18	39
Mar 15	19	19	26	27	20	20	26	29	45	34	37	41	36	35	43	--	--	--	--	--	--	--	--	--	38
Energy Average	21	25	37	25	22	23	30	38	41	46	46	46	39	36	43	43	37	33	34	32	33	26	26	22	41

Hourly Noise Level Site Report

Haines Borough

Period: March 9, 2015 to March 15, 2015

Site: 4 - Neighboring Estate

Metric: Aircraft LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	--	0	27	58	0	41	35	0	0	0	0	0	0	48
Mar 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 11	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Mar 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar 14	0	0	0	0	0	0	0	0	0	0	42	61	0	0	0	49	39	61	0	0	0	0	0	0	50
Mar 15	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	--	--	--	--	--	--	--	--	--	35
Energy Average	0	0	0	0	0	0	0	0	40	0	34	53	0	18	50	41	35	53	0	0	0	0	0	0	43

Metric: Total LEQ

DATE	Hour Of The Day																							DNL	
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22		23
Mar 9	--	--	--	--	--	--	--	--	--	--	--	--	54	33	58	45	44	36	23	23	21	33	25	24	49
Mar 10	20	29	40	26	21	17	16	23	32	50	34	32	25	49	44	37	25	21	25	18	19	22	23	22	42
Mar 11	18	20	22	25	21	20	21	32	45	47	39	42	29	26	29	45	26	26	29	26	27	17	22	28	38
Mar 12	30	21	21	19	19	18	18	26	34	51	46	48	30	22	44	23	20	20	20	21	25	19	19	19	41
Mar 13	17	24	32	31	38	41	42	43	42	49	33	47	49	38	39	43	28	31	54	24	51	20	18	19	47
Mar 14	20	18	17	17	18	18	26	40	43	47	47	61	39	38	30	51	43	61	34	17	18	18	19	18	50
Mar 15	18	19	19	21	20	20	22	32	47	36	45	48	40	32	43	--	--	--	--	--	--	--	--	--	41
Energy Average	24	24	33	26	31	34	35	38	43	49	43	54	47	42	50	45	39	53	47	23	43	26	22	23	46