



**WILSON, IHRIG & ASSOCIATES, INC.**  
ACOUSTICAL AND VIBRATION CONSULTANTS

5776 BROADWAY  
OAKLAND, CA  
U.S.A. 94618-1531  
Tel: (510) 658-6719  
Fax: (510) 652-4441  
E-mail: [info@wiai.com](mailto:info@wiai.com)  
Web: [www.wiai.com](http://www.wiai.com)

**HOLLISTER HILLS SVRA**  
●  
**AMBIENT NOISE MONITORING<sup>1</sup>**

**2008/2009**

**CHAPTER 8**

**Month of December 2008**

**Session 15 and 16**

**7 January 2009**

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<sup>1</sup>*Performed by: Wilson, Ihrig and Associates, Inc.*

The current noise monitoring is being conducted to document ambient noise levels and specifically any noise associated with the newly opened trails on the Renz Ranch Property and the Hudner Ranch Property when that is open to the public. The noise monitoring follows the same methodology used in previous years of noise monitoring for Hollister Hills SVRA subsequent to the EIR for the new property acquisitions.

The locations monitored in December 2008, which are covered by this chapter and the dates of monitoring are as follows:

- Session 15 - Locations 7 and 8 - 12/7/08
- Session 16 - Locations 2 and 5 - 12/27/08

The noise metrics logged on an hourly basis were the  $L_{50}$ ,  $L_{25}$ ,  $L_8$ ,  $L_2$ ,  $L_{max}$  and  $L_{eq}$  at each location monitored. The hourly noise data have been tabulated for each session. Where an hourly noise metric equals or exceeds the Park's noise criteria, the source of the noise has been identified.

The noise data for Session 15 and 16 are contained in Tables 1 - 4. Where the monitored ambient noise levels exceed the defined noise standards, the source of the noise has been identified. Single event noises that exceed the  $L_{max}$  standard of 60 dBA are indicated in Table 5 which also includes the source of noise and the time that the event occurred.

The meteorological data are contained in Tables 6 - 9 for the sessions of noise monitored this month. Meteorological conditions did not affect noise levels measured at any of the locations during Session 15 or 16.

As can be seen in Table 5, the primary sources of single event noise during Session 15 which exceeded 60 dBA at Location 8 were numerous dirt bikes as part of the Motowest event at the Grand Prix Track, and at Location 7, a small plane flew overhead. During Session 16 a small plane at Locations 2 and 5 exceeded 60 dBA, as did a local resident on a 4-wheel ATV at Location 2.

Of the locations monitored to date, Location 8 clearly exhibits noise levels attributable to Park OHV activity, which registered on the strip chart (i.e., they were discernible on the strip chart from the existing ambient). Location 8 is close to the Park's GP track. When a race or practice is in progress, the noise levels monitored at that location are dominated by the dirt bike activity as was observed during Session 1 (24 May, 2008).

Of the noise levels monitored in December, none of the exceedences were associated with OHV activity on the Renz Ranch Property trails and were clearly attributable to other sources.

**Table 1- Ambient Noise Monitoring Data**

**Session No.** 15  
**Location No.** 7  
**Date** 12/7/08  
**Start Time** 1037  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	36	39	44	48	39	55
2	36	39	45	53	45	69*
3	36	39	43	48	40	60
4	34	39	43	47	39	57

\* Level due to small plane overhead

**Table 2- Ambient Noise Monitoring Data**

**Session No.** 15  
**Location No.** 8  
**Date** 12/7/08  
**Start Time** 1024  
**Comments** Motowest event at Grand Prix Track

Hour	L50	L25	L8	L2	Leq	Lmax
1	55*	59*	63*	67*	59	73*
2	49*	53*	58*	62*	54	72*
3	51*	54*	57*	60*	53	65*
4	51*	54*	58*	62*	54	73*

\* Levels primarily due to dirt bikes on Grand Prix Track

**Table 3- Ambient Noise Monitoring Data**

**Session No.** 16  
**Location No.** 2  
**Date** 12/27/08  
**Start Time** 0955  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	34	38	42	36	57
2	27	31	35	44	41	68*
3	29	35	44	53	42	62**
4	28	31	40	52	40	59

\* Level due to local resident on a 4-wheel ATV

\*\* Level due to small plane

**Table 4- Ambient Noise Monitoring Data**

**Session No.** 16  
**Location No.** 5  
**Date** 12/27/08  
**Start Time** 1003  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	33	35	37	40	34	47
2	32	35	37	40	34	47
3	33	37	45	53	43	64*
4	32	36	42	49	39	59

\* Levels due to small plane overhead

**Table 5 Single Event Noise Levels Exceeding 60 dBA**

Session	Date	Location	Time	L <sub>max</sub> (dBA)	Source
1	5/24/08	7	1300	62	High flying jet
			1326	62	Small Plane
		8	1 <sup>st</sup> hour	67*	Dirt bikes with 8 events over 60dBA
			2 <sup>nd</sup> hour	67*	Dirt bikes with 7 events over 60dBA
			3 <sup>rd</sup> hour	66*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			4 <sup>th</sup> hour	68*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
3	6/21/08	3	1045	62	Small airplane
			1338	65	Wind
		5	1256	68	Wind
4	7/5/08	4	1201	64	Small airplane
			1249	61	Small airplane
5	7/19/08	2	12:42	64	Small airplane
			13:14	61	Small airplane
7	8/16/08	3	1440	73	Helicopter
		4	1404	61	Small airplane
			1440	62	Helicopter
9	9/13/08	3	1241	73	Small plane overhead
10	9/28/08	2	1142	65	Helicopter
11	10/11/08	6	1024	71	Ambulance
			1107	67	Helicopter
			1340	62	Small Plane

Session	Date	Location	Time	L <sub>max</sub> (dBA)	Source
11	10/11/08	8	1216	64	Dirt Bike at GP track
			1235	64	Dirt Bike at GP track
			1347	63	Dirt Bike at GP track
12	10/26/08	4	1153	61	Plane
13	11/8/08	5	1202	62	plane
			1230	66	helicopter
14	11/29/08	6	957	63	Plane
			1052	62	Helicopter
			1200	61	plane
15	12/7/08	7	1236	69	plane
		8	1 <sup>st</sup> hour	73*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			2 <sup>nd</sup> hour	72*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			3 <sup>rd</sup> hour	65*	Dirt bikes with 14 events over 60 dBA
			4 <sup>th</sup> hour	73*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
16	12/27/08	2	1102	68	Local resident on 4-wheel ATV
			1212	62	plane
		5	1211	64	plane

Note 1: Session 1 and 15 at Location 8 produced many single events from dirt bikes exceeding 60 dBA during races at the GP Track.

Note 2: Where a race results in many single event noise levels over 60 dBA, the rate at which they occurred is given instead and just the highest L<sub>max</sub> (\*) for the session is indicated.

**Table 6 – Meteorological Data**

Session: 15

Day: Sunday

Date: 12/7/08

Monitoring Location No. 7

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1030	56	52	Partly	None	NW	1 / 2
1100	57	53	Partly	None	--	0 / 0
1130	58	54	Partly	None	--	0 / 0
1200	65	42	Partly	None	NW	1 / 1
1230	64	38	Partly	None	NW	1 / 1
1300	64	39	Partly	None	NW	1 / 2
1330	67	39	Partly	None	NW	2 / 3
1400	65	41	Partly	None	NW	1 / 2
1430	64	40	Partly	None	NW	1 / 2

\* Wind speed - (average/maximum)

**Table 7 – Meteorological Data**

Session: 15

Day: Sunday

Date: 12/7/08

Monitoring Location No. 8

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1025	53	57	Partly	None	NE	1 / 2
1055	53	61	Partly	None	NE	1 / 1
1125	60	50	Partly	None	NE	1 / 2
1155	66	40	Partly	None	NE	1 / 2
1225	63	35	Partly	None	NE	2 / 3
1255	62	38	Partly	None	NE	2 / 3
1325	63	41	Partly	None	NE	2 / 3
1355	60	50	Partly	None	NE	2 / 4
1425	61	51	Partly	None	NE	1 / 1

\* Wind speed - (average/maximum)

**Table 8 – Meteorological Data**

Session: 16

Day: Saturday

Date: 12/27/08

Monitoring Location No. 2

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
0955	43	83	Clear	None	--	0 / 0
1025	46	62	Clear	None	--	0 / 0
1055	47	70	Clear	None	NW	3 / 4
1125	51	66	Clear	None	NW	2 / 3
1155	50	59	Clear	None	NW	2 / 3
1225	53	60	Clear	None	NW	2 / 3
1255	54	50	Clear	None	N	2 / 3
1325	53	49	Clear	None	N	2 / 3
1355	53	49	Clear	None	N	3 / 4

\* Wind speed - (average/maximum)

**Table 9 – Meteorological Data**

Session: 16

Day: Saturday

Date: 12/27/08

Monitoring Location No. 5

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	52	33	Clear	None	W	1 / 1
1030	53	35	Clear	None	W	1 / 2
1100	57	31	Clear	None	W	1 / 2
1130	58	25	Clear	None	W	1 / 1
1200	57	30	Clear	None	W	1 / 3
1230	52	30	Clear	None	W	1 / 4
1300	53	33	Clear	None	W	1 / 4
1330	61	32	Clear	None	W	1 / 4
1400	56	28	Clear	None	W	2 / 5

\* Wind speed - (average/maximum)