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

**2008/2009**

**CHAPTER 3**

**Month of July 2008**

**Session 4 and 5**

**31 July 2008**

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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 July 2008, which are covered by this chapter and the dates of monitoring are as follows:

- Session 4 - Locations 1 and 4 - 7/5/08
- Session 5 – Locations 2 and 5 – 7/19/08

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 4 and 5 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 during Sessions 4 or 5.

As can be seen in Table 5, the primary source of single event noise during Session 4 which exceeded 60 dBA was a small plane at Location 4. During Session 5 at Location 2, two small plane flyovers caused measured noise levels to exceed 60 dBA.

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 July 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.** 4  
**Location No.** 1  
**Date** 7/5/08  
**Start Time** 1100  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	29	32	38	44	35	54
2	29	32	36	41	32	46
3	32	35	38	44	37	55
4	30	33	38	50	39	59

**Table 2- Ambient Noise Monitoring Data**

**Session No.** 4  
**Location No.** 4  
**Date** 7/5/08  
**Start Time** 1018  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	27	30	37	47	36	58
2	27	30	39	52	42	64*
3	29	34	42	48	38	61*
4	31	34	38	44	35	55

\* Noise levels due to plane flyover

**Table 3- Ambient Noise Monitoring Data**

**Session No.** 5  
**Location No.** 2  
**Date** 7/19/08  
**Start Time** 1053  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	33	35	38	33	49
2	31	33	36	44	40	64*
3	32	34	39	51	41	61*
4	32	34	38	42	34	52

\* Noise levels due to plane flyover

**Table 4- Ambient Noise Monitoring Data**

**Session No.** 5  
**Location No.** 5  
**Date** 7/19/08  
**Start Time** 1050  
**Comments**

Hour	L50	L25	L8	L2	Leq	Lmax
1	38	40	43	46	39	48
2	33	35	37	42	35	55
3	36	40	47	54	43	60
4	37	39	41	45	39	55

**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	12:01	64	Small airplane
			12:49	61	Small airplane
5	7/19/08	2	12:42	64	Small airplane
			13:14	61	Small airplane

Note 1: Session 1 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: 4

Day: Saturday

Date: 7/5/08

Monitoring Location No. 1

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1100	80	35	Clear	None	NNW	2 / 5
1130	79	39	Clear	None	W	3 / 5
1200	78	40	Clear	None	NW	3 / 6
1230	82	37	Clear	None	NW	3 / 7
1300	85	34	Clear	None	NW	1 / 3
1330	84	36	Clear	None	SW	4 / 7
1400	84	34	Clear	None	W	6 / 13
1430	89	29	Clear	None	W	3 / 9
1500	90	29	Clear	None	W	3 / 8

\* Wind speed - (average/maximum)

**Table 7 – Meteorological Data**

Session: 4

Day: Saturday

Date: 7/5/08

Monitoring Location No. 4

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1018	75	49	Clear	None	W	2 / 5
1048	79	39	Clear	None	W	2 / 4
1118	80	40	Clear	None	W	2 / 4
1148	83	38	Clear	None	W	1 / 3
1218	84	37	Clear	None	W	2 / 5
1248	84	35	Clear	None	W	3 / 6
1318	87	32	Clear	None	W	3 / 6
1348	89	32	Clear	None	W	4 / 6
1418	90	31	Clear	None	W	5 / 8

\* Wind speed - (average/maximum)

**Table 8 – Meteorological Data**

Session: 5

Day: Saturday

Date: 7/19/08

Monitoring Location No. 2

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1053	69	57	Clear	None	NE	2 / 5
1123	71	49	Clear	None	NE	2 / 4
1153	72	51	Clear	None	NE	2 / 5
1223	72	49	Clear	None	NE	1 / 3
1253	76	47	Clear	None	N	2 / 3
1323	75	41	Clear	None	N	2 / 4
1353	76	40	Clear	None	N	2 / 5
1423	75	40	Clear	None	N	2 / 4
1453	75	41	Clear	None	N	2 / 3

\* Wind speed - (average/maximum)

**Table 9 – Meteorological Data**

Session: 5

Day: Saturday

Date: 7/19/08

Monitoring Location No. 5

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1050	69	48	Clear	None	W	4 / 6
1120	70	49	Clear	None	W	4 / 5
1130	68	51	Clear	None	W	5 / 6
1200	73	46	Clear	None	NW	4 / 5
1230	71	48	Clear	None	W	4 / 5
1300	76	43	Clear	None	N	4 / 5
1330	74	42	Clear	None	NW	4 / 7
1400	76	41	Clear	None	W	4 / 6
1430	75	43	Clear	None	W	6 / 11

\* Wind speed - (average/maximum)