



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
Web: www.wiai.com

HOLLISTER HILLS SVRA
•
AMBIENT NOISE MONITORING¹

2008/2009

CHAPTER 5

Month of September 2008

Session 9 and 10

23 October 2008

¹*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 September 2008, which are covered by this chapter and the dates of monitoring are as follows:

- Session 9 - Locations 1 and 8 - 9/13/08
- Session 10 - Locations 2 and 5 - 9/28/08

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 9 and 10 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 9 or 10.

As can be seen in Table 5, the primary source of single event noise during Session 9 which exceeded 60 dBA was a small plane at Location 3. During Session 10, a helicopter at Location 2 exceeded 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 August, 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. 9
Location No. 1
Date 9/13/08
Start Time 1048
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	28	30	35	45	34	51
2	27	28	32	36	29	44
3	26	28	32	41	32	50
4	27	29	32	34	29	43

Table 2- Ambient Noise Monitoring Data

Session No. 9
Location No. 3
Date 9/13/08
Start Time 1120
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	32	35	39	32	48
2	30	33	38	50	45	73*
3	28	30	33	40	32	51
4**	30	33	38	42	34	49

* Level due to plane overhead

** Incomplete hour due to equipment malfunction

Table 3 - Ambient Noise Monitoring Data

Session No. 10
Location No. 2
Date 9/28/08
Start Time 1047
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	34	37	45	54	45	65*
2	34	37	44	49	40	55
3	35	38	43	49	39	56
4	33	36	40	45	37	53

* Noise level due to helicopter flyover

Table 4- Ambient Noise Monitoring Data

Session No. 10
Location No. 5
Date 9/28/08
Start Time 1022
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	35	37	40	44	37	49
2	35	37	42	47	38	55
3	37	39	42	47	40	58
4	38	40	42	45	39	52

Table 5 Single Event Noise Levels Exceeding 60 dBA

Session	Date	Location	Time	L _{max} (dBA)	Source
1	5/24/08	7	1300	62	High flying jet
			1326	62	Small Plane
		8	1 st hour	67*	Dirt bikes with 8 events over 60dBA
			2 nd hour	67*	Dirt bikes with 7 events over 60dBA
			3 rd hour	66*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			4 th 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

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_{max} (*) for the session is indicated.

Table 6 – Meteorological Data

Session: 9

Day: Saturday

Date: 9/13/08

Monitoring Location No. 1

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1048	66	52	Clear	None	NW	1 / 2
1118	66	60	Clear	None	NW	1 / 3
1148	66	61	Clear	None	NW	1 / 2
1218	66	63	Clear	None	NW	3 / 5
1248	67	63	Clear	None	W	4 / 8
1318	68	60	Clear	None	W	2 / 3
1348	70	54	Clear	None	NW	2 / 5
1418	70	57	Clear	None	NW	2 / 3
1448	70	56	Clear	None	NW	2 / 4

* Wind speed - (average/maximum)

Table 7 – Meteorological Data

Session: 9

Day: Saturday

Date: 9/13/08

Monitoring Location No. 3

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1030	62	63	Clear	None	SW	2 / 3
1100	64	62	Clear	None	W	2 / 5
1130	66	57	Clear	None	W	2 / 4
1200	69	48	Clear	None	W	1 / 2
1230	69	41	Clear	None	W	4 / 6
1300	74	27	Clear	None	N	2 / 4
1330	73	40	Clear	None	N	2 / 4
1400	75	36	Clear	None	N	3 / 4
1430	71	40	Clear	None	SW	4 / 8

* Wind speed - (average/maximum)

Table 8 – Meteorological Data

Session: 10

Day: Sunday

Date: 9/28/08

Monitoring Location No. 2

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1047	72	50	Clear	None	SW	3 / 6
1112	73	46	Clear	None	NW	3 / 4
1142	80	30	Clear	None	W	1 / 2
1212	76	43	Clear	None	NW	4 / 6
1242	79	35	Clear	None	NE	4 / 6
1312	75	41	Clear	None	NE	2 / 5
1342	77	35	Clear	None	NE	2 / 6
1412	78	35	Clear	None	NE	3 / 5
1442	74	39	Clear	None	NE	3 / 6

* Wind speed - (average/maximum)

Table 9 – Meteorological Data

Session: 10

Day: Sunday

Date: 9/28/08

Monitoring Location No. 5

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1048	77	36	Clear	None	NE	2 / 3
1118	76	48	Clear	None	NW	2 / 3
1148	77	50	Clear	None	W	3 / 6
1218	78	52	Clear	None	NW	4 / 7
1248	78	54	Clear	None	NW	4 / 6
1318	78	51	Clear	None	NW	6 / 8
1348	76	53	Clear	None	NW	6 / 9
1418	77	49	Clear	None	NW	5 / 8
1448	79	52	Clear	None	NW	7 / 11

* Wind speed - (average/maximum)