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HOLLISTER HILLS SVRA
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AMBIENT NOISE MONITORING¹

2008/2009

CHAPTER 2

Month of June 2008

Session 2 and 3

27 June 2008

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

- Session 2 - Locations 4 and 6 - 6/7/08
- Session 3 - Locations 3 and 5 - 6/21/08

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 2 and 3 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. High wind speeds during the fourth hour of Session 3 forced cessation of monitoring. Wind noise affected noise levels measured in the third and fourth hours of Session 3.

As can be seen in Table 5, the primary sources of single event noise during Session 3, which exceeds 60 dBA, is a small plane at Location 3, and wind at Locations 3 and 5 in the early afternoon. Measurements were halted prior to completion of the fourth hour of Session 3 due to wind gusts as high as 17 mph.

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 June 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. 2
Location No. 4
Date 6/7/08

Start Time 1044

Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	34	41	47	37	58
2	30	33	37	42	34	51
3	29	32	40	46	36	57
4	31	33	40	46	36	55

Table 2- Ambient Noise Monitoring Data

Session No. 2
Location No. 6
Date 6/7/08

Start Time 1058

Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	34	38	41	45	38	57
2	33	36	40	44	38	59
3	35	37	41	47	38	54
4	38	40	43	47	40	57

Table 3- Ambient Noise Monitoring Data

Session No. 3
Location No. 3
Date 6/21/08

Start Time 0957
Comments Wind contributed to the noise levels during the third and fourth hours

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	36	42	49	40	62*
2	30	34	39	43	35	53
3	34	37	41	45	37	53
4***	40	44	49	55	46	65**

* Noise level due to small airplane

** Noise level due to wind

*** Partial hour

Table 4- Ambient Noise Monitoring Data

Session No. 3

Location No. 5

Date 6/21/08

Start Time 1012

Comments Wind contributed to the noise levels during the third and fourth hours

Hour	L50	L25	L8	L2	Leq	Lmax
1	33	37	43	48	39	58
2	35	40	45	47	40	60
3	45*	48*	52*	55	48	68*
4**	52*	54*	55*	57*	52	58

* Noise levels due to wind

**Partial hour

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

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: 2

Day: Saturday

Date: 6/7/08

Monitoring Location No. 4

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1040	74	30	Clear	None	NE	1 / 2
1130	74	30	Clear	None	NW	2 / 4
1200	77	31	Clear	None	NW	2 / 4
1230	79	36	Clear	None	NW	2 / 6
1300	81	28	Clear	None	NW	3 / 5
1330	80	26	Clear	None	W	2 / 4
1400	83	28	Clear	None	W	3 / 7
1430	83	27	Clear	None	W	3 / 7

* Wind speed - (average/maximum)

Table 7 – Meteorological Data

Session: 2

Day: Saturday

Date: 6/7/08

Monitoring Location No. 6

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1100	69	36	Clear	None	NW	2 / 5
1130	70	33	Clear	None	NW	3 / 6
1200	71	33	Clear	None	NW	1 / 2
1230	72	36	Clear	None	SW	5 / 6
1300	75	28	Clear	None	SW	4 / 7
1330	73	31	Clear	None	SW	5 / 9
1400	76	29	Clear	None	SW	4 / 8
1430	77	28	Clear	None	SW	6 / 8
1500	80	26	Clear	None	SW	5 / 9

* Wind speed - (average/maximum)

Table 8 – Meteorological Data

Session: 3

Day: Saturday

Date: 6/21/08

Monitoring Location No. 3

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
0958	89	22	Partly	None	E	4 / 6
1028	94	20	Partly	None	E	2 / 4
1058	95	18	Partly	None	NE	3 / 7
1128	98	17	Partly	None	E	3 / 6
1158	102	15	Partly	None	N	3 / 9
1228	101	15	Partly	None	W	4 / 9
1258	100	15	Partly	None	W	8 / 12
1328	96	16	Overcast	None	W	7 / 14

* Wind speed - (average/maximum)

Table 9 – Meteorological Data

Session: 3

Day: Saturday

Date: 6/21/08

Monitoring Location No. 5

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1015	97	15	Partly	None	NW	1 / 3
1030	98	17	Partly	None	NW	3 / 4
1100	102	16	Partly	None	NW	2 / 4
1130	102	15	Partly	None	NW	4 / 7
1200	104	14	Partly	None	NW	3 / 13
1230	103	14	Partly	None	NW	6 / 14
1252	102	15	Partly	None	NW	13 / 17
1300	104	14	Overcast	None	NW	5 / 16
1315	101	14	Partly	None	NW	8 / 15

* Wind speed - (average/maximum)