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HOLLISTER HILLS SVRA
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AMBIENT NOISE MONITORING¹

2008/2009

CHAPTER 4

Month of August 2008

Session 6, 7 and 8

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

- Session 6 - Locations 7 and 8 - 8/2/08
- Session 7 - Locations 3 and 4 - 8/16/08
- Session 8 - Locations 2 and 6 - 8/30/08

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 6, 7 and 8 are contained in Tables 1 - 6. 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 7 which also includes the source of noise and the time that the event occurred.

The meteorological data are contained in Tables 8 - 13 for the sessions of noise monitored this month. Meteorological conditions did not affect noise levels measured during Sessions 6, 7 or 8.

As can be seen in Table 7, the primary source of single event noise during Session 7 which exceeded 60 dBA was a helicopter at Location 3 and a helicopter and small plane at Location 4.

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. 6
Location No. 7
Date 8/2/08
Start Time 1000
Comments

Hour	L50	L25	L8	L2	Leg	Lmax
1	34	36	40	43	37	56
2	34	36	40	46	37	55
3	35	37	41	46	38	56
4*	35	37	40	43	37	47

* Incomplete hour due to equipment malfunction

Table 2- Ambient Noise Monitoring Data

Session No. 6
Location No. 8
Date 8/2/08
Start Time 0956
Comments

Hour	L50	L25	L8	L2	Leg	Lmax
1	32	35	41	48	38	54
2	31	34	40	44	35	52
3	33	36	40	46	37	54
4	34	37	42	47	39	57

Table 3- Ambient Noise Monitoring Data

Session No. 7
Location No. 3
Date 8/16/08
Start Time 1100
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	34	35	38	43	36	53
2	32	35	39	44	36	51
3	34	36	38	41	35	47
4	36	40	46	55	49	73*

* Noise level due to helicopter flyover

Table 4- Ambient Noise Monitoring Data

Session No. 7
Location No. 4
Date 8/16/08
Start Time 1048
Comments Complete but non contiguous hours due to stopped and restarted logging

Hour	L50	L25	L8	L2	Leq	Lmax
1	29	32	36	40	32	48
2	29	33	37	42	38	54
4	33	36	39	46	37	56
5	34	37	42	53	42	62*

*Levels due to Helicopter

Table 5- Ambient Noise Monitoring Data

Session No. 8
Location No. 2
Date 8/30/08
Start Time 1041
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	32	34	37	42	34	50
2	31	34	41	50	39	58
3	32	34	39	47	38	58
4	31	34	41	50	39	59

Table 6- Ambient Noise Monitoring Data

Session No. 8
Location No. 6
Date 8/30/08
Start Time 1011
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1*	39	41	47	48	41	51
2	39	40	43	47	42	54
3	38	39	41	46	41	53
4	37	39	43	50	41	58

* Partial hour

Table 7 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

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 8 – Meteorological Data

Session: 6

Day: Saturday

Date: 8/2/08

Monitoring Location No. 7

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	83	39	Clear	None	N/NW	1 / 2
1030	84	37	Clear	None	N/NW	2 / 3
1100	84	37	Clear	None	N/NW	1 / 4
1130	88	33	Clear	None	N/NW	2 / 6
1200	88	32	Clear	None	N/NW	2 / 6
1230	92	28	Clear	None	N/NW	1 / 8
1300	93	28	Clear	None	N/NW	1 / 8
1330	96	28	Clear	None	N/NW	1 / 8
1400	95	27	Clear	None	N/NW	1 / 8

* Wind speed - (average/maximum)

Table 9 – Meteorological Data

Session: 6

Day: Saturday

Date: 8/2/08

Monitoring Location No. 8

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
0956	78	39	Clear	None	N	3 / 5
1026	78	38	Clear	None	N	4 / 7
1056	79	38	Clear	None	N	2 / 5
1126	83	35	Clear	None	N	2 / 4
1156	85	33	Clear	None	N	4 / 6
1226	86	31	Clear	None	N	5 / 8
1256	86	27	Clear	None	N	4 / 8
1326	88	28	Clear	None	N	4 / 5
1356	89	26	Clear	None	N	5 / 7

* Wind speed - (average/maximum)

Table 10 – Meteorological Data

Session: 7

Day: Saturday

Date: 8/16/08

Monitoring Location No. 3

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1100	69	49	Clear	None	NW	3 / 5
1130	72	52	Clear	None	NW	4 / 7
1200	73	49	Clear	None	NW	3 / 5
1230	76	45	Clear	None	W	3 / 6
1300	77	43	Clear	None	W	4 / 7
1330	76	42	Clear	None	W	5 / 7
1400	75	46	Clear	None	W	5 / 11
1430	77	44	Clear	None	W	4 / 7
1500	74	45	Clear	None	W	6 / 12

* Wind speed - (average/maximum)

Table 11 – Meteorological Data

Session: 7

Day: Saturday

Date: 8/16/08

Monitoring Location No. 4

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1030	75	43	Clear	None	NW	2 / 3
1100	77	52	Clear	None	W	3 / 7
1130	80	40	Clear	None	W	4 / 6
1200	76	44	Clear	None	NW	5 / 8
1230	75	42	Clear	None	NW	6 / 9
1300	82	41	Clear	None	NW	9 / 11
1330	82	36	Clear	None	W	6 / 11
1400	80	42	Clear	None	W	11 / 13
1430	82	38	Clear	None	W	7 / 15

* Wind speed - (average/maximum)

Table 12 – Meteorological Data

Session: 8

Day: Saturday

Date: 8/30/08

Monitoring Location No. 2

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1041	73	52	Clear	None	NE	2 / 4
1111	73	52	Clear	None	NE	1 / 3
1141	75	51	Clear	None	NW	1 / 4
1211	77	48	Clear	None	NE	2 / 5
1241	76	46	Clear	None	NE	2 / 5
1311	77	46	Clear	None	NE	2 / 6
1341	80	43	Clear	None	NE	1 / 3
1411	83	39	Clear	None	NE	1 / 3

* Wind speed - (average/maximum)

Table 13 – Meteorological Data

Session: 8

Day: Saturday

Date: 8/30/08

Monitoring Location No. 6

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	67	69	Clear	None	N	1 / 3
1030	71	65	Clear	None	N	1 / 3
1100	74	60	Clear	None	N	1 / 5
1130	75	59	Clear	None	N	1 / 5
1200	78	51	Clear	None	N	1 / 8
1230	80	50	Clear	None	N	1 / 8
1300	82	57	Clear	None	N	2 / 3
1330	82	46	Clear	None	N	3 / 5
1400	79	45	Clear	None	N	2 / 4

* Wind speed - (average/maximum)