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HOLLISTER HILLS SVRA
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AMBIENT NOISE MONITORING¹

2008/2009

CHAPTER 9

Month of January 2009

Session 17 and 18

4 February 2009

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 January 2009, which are covered by this chapter and the dates of monitoring are as follows:

- Session 17 - Locations 1 and 7 - 1/11/09
- Session 18 - Locations 3 and 6 - 1/31/09

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 17 and 18 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 17 or 18.

There were no exceedences during Session 17. As can be seen in Table 5, the sources of single event noise during Session 18 which exceeded 60 dBA were a helicopter at Location 3 and a plane flyover at Location 6.

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 January, 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. 17
Location No. 1
Date 1/11/09
Start Time 1044
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	31	33	36	40	33	55
2	31	34	39	49	39	58
3	31	32	35	38	32	46
4	30	33	36	40	33	48

Table 2- Ambient Noise Monitoring Data

Session No. 17
Location No. 7
Date 1/11/09
Start Time 1018
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	39	41	45	49	41	57
2	37	41	45	50	41	56
3	35	38	44	48	39	54
4	33	36	41	45	37	57

Table 3- Ambient Noise Monitoring Data

Session No. 18
Location No. 3
Date 1/31/09
Start Time 0958
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	37	39	45	51	41	56
2	36	38	42	45	39	55
3	37	39	42	47	40	57
4	36	39	45	52	47	70*

* Level due to helicopter

Table 4- Ambient Noise Monitoring Data

Session No. 18
Location No. 6
Date 1/31/09
Start Time 1000
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	35	39	44	49	40	57
2	32	34	38	43	35	51
3	32	34	38	43	35	49
4	32	35	39	46	40	65*

* Levels due to small plane overhead

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
11	10/11/08	6	1024	71	Ambulance
			1107	67	Helicopter
			1340	62	Small Plane

Session	Date	Location	Time	L _{max} (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 st hour	73*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			2 nd hour	72*	Dirt bikes with many events (20 - 30/hr) over 60 dBA
			3 rd hour	65*	Dirt bikes with 14 events over 60 dBA
			4 th 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
18	1/31/09	3	1335	70	Helicopter
		6	1325	65	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_{max} (*) for the session is indicated.

Table 6 – Meteorological Data

Session: 17

Day: Sunday

Date: 1/11/09

Monitoring Location No. 1

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1100	61	36	Clear	None	--	0 / 0
1115	64	35	Clear	None	--	0 / 0
1145	66	23	Clear	None	SW	1 / 1
1215	64	23	Clear	None	SW	1 / 3
1245	64	22	Clear	None	S	1 / 1
1315	63	28	Clear	None	--	0 / 0
1345	63	28	Clear	None	W	1 / 1
1415	65	24	Clear	None	S	1 / 3
1445	64	25	Clear	None	--	0 / 0

* Wind speed - (average/maximum)

Table 7 – Meteorological Data

Session: 17

Day: Sunday

Date: 1/11/09

Monitoring Location No. 7

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1030	66	38	Clear	None	W	1 / 1
1100	68	28	Clear	None	--	0 / 0
1130	67	28	Clear	None	W	3 / 4
1200	69	29	Clear	None	W	2 / 3
1230	70	27	Clear	None	W	4 / 6
1300	72	24	Clear	None	W	2 / 4
1330	71	27	Clear	None	W	2 / 4
1400	70	21	Clear	None	NW	2 / 3
1430	71	22	Clear	None	NW	2 / 3

* Wind speed - (average/maximum)

Table 8 – Meteorological Data

Session: 18

Day: Saturday

Date: 1/31/09

Monitoring Location No. 3

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
958	56	59	Clear	None	--	0 / 0
1028	57	46	Clear	None	N	1 / 2
1058	58	54	Clear	None	N	2 / 4
1128	59	59	Clear	None	NE	2 / 4
1158	59	56	Clear	None	NE	1 / 3
1228	59	57	Clear	None	SW	3 / 6
1258	60	57	Clear	None	SW	3 / 4
1328	62	51	Clear	None	SW	3 / 5
1358	65	46	Clear	None	SW	1 / 2

* Wind speed - (average/maximum)

Table 9 – Meteorological Data

Session: 18

Day: Saturday

Date: 1/31/09

Monitoring Location No. 6

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	61	36	Clear	None	NW	1 / 3
1030	66	40	Clear	None	NW	1 / 2
1100	67	34	Clear	None	W	1 / 3
1130	74	35	Clear	None	W	2 / 3
1200	74	37	Clear	None	W	1 / 4
1230	60	45	Clear	None	W	5 / 10
1300	64	38	Clear	None	W	5 / 7
1330	64	44	Clear	None	W	4 / 8
1400	65	40	Clear	None	W	3 / 4

* Wind speed - (average/maximum)