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HOLLISTER HILLS SVRA
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AMBIENT NOISE MONITORING¹

2008/2009

CHAPTER 7

Month of November 2008

Session 13 and 14

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

- Session 13 - Locations 3 and 5 - 11/8/08
- Session 14 - Locations 1 and 6 - 11/29/08

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 13 and 14 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 13 or 14.

As can be seen in Table 5, the primary sources of single event noise during Session 13 which exceeded 60 dBA were a helicopter and small plane at Location 5. During Session 14, two small planes and a helicopter at Location 6 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 November, 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. 13
Location No. 3
Date 11/8/08
Start Time 0957
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	37	39	41	45	38	48
2	38	40	44	50	42	58
3	36	38	44	52	41	60
4	34	37	43	48	39	57

Table 2- Ambient Noise Monitoring Data

Session No. 13
Location No. 5
Date 11/8/08
Start Time 1005
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	36	38	43	50	41	60
2	35	37	41	51	41	62*
3	33	36	42	51	43	66**
4	33	35	40	45	37	51

* Level due to plane overhead
** Level due to helicopter overhead

Table 3- Ambient Noise Monitoring Data

Session No. 14
Location No. 1
Date 11/29/08
Start Time 1052
Comments

Hour	L50	L25	L8	L2	Leg	Lmax
1	35	38	44	49	41	59
2	33	35	39	45	37	53
3	32	34	38	46	36	55
4	31	34	37	40	33	44

Table 4- Ambient Noise Monitoring Data

Session No. 14
Location No. 6
Date 11/29/08
Start Time 0950
Comments

Hour	L50	L25	L8	L2	Leq	Lmax
1	40	44	49	54	45	63*
2	40	43	47	51	43	59
3	38	41	45	52	43	61*
4	39	42	46	50	42	58

* Levels due to planes 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

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: 13

Day: Saturday

Date: 11/8/08

Monitoring Location No. 3

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
957	60	55	Overcast	None	East	2 / 4
1027	62	49	Overcast	None	East	1 / 2
1057	63	54	Overcast	None	East	2 / 3
1127	66	52	85%	None	East	1 / 2
1157	64	54	Overcast	None	East	2 / 4
1257	64	54	Overcast	None	NW	2 / 5
1327	65	58	Overcast	None	NW	2 / 4
1357	64	55	Overcast	None	NW	2 / 3

* Wind speed - (average/maximum)

Table 7 – Meteorological Data

Session: 13

Day: Saturday

Date: 11/8/08

Monitoring Location No. 5

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	66	53	Overcast	None	NW	1 / 2
1030	64	55	Overcast	None	NW	2 / 3
1100	65	57	Overcast	None	NW	3 / 5
1130	67	58	Overcast	None	NW	2 / 4
1200	66	61	Overcast	None	NW	5 / 7
1230	66	62	Overcast	None	W	3 / 4
1300	66	68	Overcast	None	NW	2 / 3
1330	64	73	Overcast	None	NW	4 / 7
1400	67	64	Overcast	None	NW	2 / 3

* Wind speed - (average/maximum)

Table 8 – Meteorological Data

Session: 14

Day: Saturday

Date: 11/29/08

Monitoring Location No. 1

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1052	57	75	Clear	None	South	1 / 2
1122	59	76	Clear	None	South	0 / 1
1152	59	78	Clear	None	South	0 / 1
1222	59	80	Clear	None	South	0 / 1
1252	59	83	Clear	None	-	0 / 0
1322	59	82	Clear	None	South	0 / 1
1352	59	81	Clear	None	-	0 / 0
1422	59	81	Clear	None	South	0 / 1
1452	59	83	Clear	None	South	1 / 2

* Wind speed - (average/maximum)

Table 9 – Meteorological Data

Session: 14

Day: Saturday

Date: 11/29/08

Monitoring Location No. 6

Time	Air Temp. (°F)	Humidity (%)	Cloud Cover	Precipitation	Wind Direction	Wind Speed* (mph)
1000	58	51	Clear	None	N/NW	1 / 3
1030	70	38	Clear	None	N/NW	1 / 3
1100	69	48	Clear	None	N/NW	2 / 5
1130	61	49	Clear	None	N/NW	1 / 5
1200	63	48	Clear	None	N/NW	1 / 5
1230	64	55	Clear	None	N/NW	2 / 3
1300	64	52	Clear	None	N/NW	3 / 4
1330	69	45	Clear	None	W/NW	2 / 4
1400	65	51	Clear	None	W/NW	2 / 3

* Wind speed - (average/maximum)