Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1	(white)	< -0.1	(white)
+0.1 to +1.0	(light yellow)	-0.1 to -1.0	(light cyan)
+1.1 to +5.0	(yellow)	-1.1 to -5.0	(light blue)
+5.1 to +10.0	(orange)	-5.1 to -10.0	(cyan)
> +10.0	(red)	> -10.0	(blue)

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020: 20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA	LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020: 20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA	LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020: 20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
36	DEEPCK6	3	1	74.0	321.5	208.1	75.4	12.7	2.0	1.0	74.0	318.6	210.0	76.0	12.7	2.0	1.0	0.0	-2.9	-0.9%	1.9	0.9%	0.5	0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
36	DEEPCK6	3	2	74.9	309.6	184.5	70.7	13.1	2.1	1.0	74.9	306.1	185.6	70.8	13.1	2.1	1.0	0.0	-3.5	-1.1%	1.1	0.6%	0.1	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Gateway Corridor 22																														
22	SOUTH22	1	1	70.5	542.1	412.7	172.4	29.8	7.3	2.2	70.5	541.9	412.6	172.3	29.8	7.3	2.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	1	2	72.5	564.3	447.6	166.9	20.2	8.1	1.0	72.5	564.0	447.4	166.9	20.3	8.1	1.0	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
22	SOUTH22	2	1	71.5	538.5	394.4	160.9	20.7	8.0	2.3	71.5	538.3	394.4	160.9	20.7	8.0	2.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	2	2	71.9	555.7	410.9	168.4	22.5	7.6	2.1	71.9	555.4	410.7	168.4	22.5	7.6	2.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	3	1	72.6	509.3	386.4	161.6	21.1	8.4	2.3	72.6	509.0	386.4	161.6	21.1	8.4	2.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	3	2	72.8	546.1	398.2	164.2	20.6	7.4	2.1	72.8	545.9	398.0	164.2	20.7	7.4	2.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.1	0.6%	0.0	0.0%	0.0	0.0%
22	SOUTH22	4	1	71.9	504.4	385.3	166.6	18.8	8.4	2.2	71.9	504.2	385.2	166.6	18.9	8.4	2.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.1	0.4%	0.0	0.0%	0.0	0.0%
22	SOUTH22	4	2	71.2	543.1	378.5	155.9	18.3	7.3	2.2	71.2	542.9	378.5	155.9	18.4	7.3	2.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.1	0.4%	0.0	0.0%	0.0	0.0%
22	SOUTH22	5	1	70.7	509.4	374.2	154.7	18.5	5.3	2.1	70.7	509.1	374.2	154.8	18.5	5.3	2.1	0.0	-0.2	0.0%	0.0	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	5	2	70.1	511.8	371.3	140.2	18.5	6.9	2.1	70.1	511.6	371.3	140.3	18.5	6.9	2.1	0.0	-0.2	0.0%	0.0	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	6	1	70.8	504.7	347.7	136.0	17.7	4.7	2.1	70.8	504.6	347.7	136.1	17.7	4.7	2.1	0.0	-0.1	0.0%	0.0	0.0%	0.1	0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
22	SOUTH22	6	2	70.9	505.9	356.8	127.2	18.3	4.4	2.1	70.9	505.7	356.8	127.2	18.3	4.4	2.1	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
22	SOUTH22	7	1	71.8	482.5	344.3	116.7	17.8	4.6	0.3	71.8	482.4	344.5	116.7	17.8	4.6	0.3	0.0	-0.1	0.0%	0.1	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
22	SOUTH22	7	2	72.2	488.5	343.4	113.0	17.9	4.7	0.8	72.2	488.3	343.5	113.1	17.9	4.7	0.8	0.0	-0.2	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Gateway Corridor 23																														
23	SOUTH23	1	1	71.9	482.3	314.0	117.0	17.8	4.5	0.3	71.9	482.2	314.2	117.0	17.8	4.5	0.3	0.0	-0.1	0.0%	0.1	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	1	2	72.2	488.7	340.7	113.9	17.8	4.7	0.8	72.2	488.6	340.8	114.0	17.8	4.7	0.8	0.0	-0.2	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	1	3	72.2	490.7	338.5	101.2	19.0	3.9	0.8	72.2	490.5	338.5	101.2	19.0	3.9	0.8	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	1	72.0	452.7	310.4	85.3	18.4	4.9	0.2	72.0	452.7	310.4	85.4	18.4	4.9	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	2	71.3	463.2	321.8	86.0	17.8	4.7	0.4	71.3	463.2	321.9	86.1	17.8	4.7	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	3	70.4	468.5	348.1	94.6	18.2	4.4	0.8	70.4	468.3	348.1	94.6	18.2	4.4	0.8	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	1	72.5	451.8	302.6	80.4	18.8	4.8	0.2	72.5	451.8	302.6	80.4	18.8	4.8	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	2	70.7	450.0	290.9	77.4	17.7	4.7	0.5	70.7	449.9	290.9	77.4	17.7	4.7	0.5	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	3	70.6	462.5	292.8	84.3	18.0	4.6	1.0	70.6	462.3	292.8	84.3	18.0	4.6	1.0	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	1	73.5	453.6	282.0	74.8	18.2	4.9	0.3	73.5	453.6	282.0	74.9	18.2	4.9	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	2	71.8	454.8	284.9	81.9	18.2	4.4	0.3	71.8	454.9	284.9	81.9	18.2	4.4	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	3	70.7	458.4	290.2	83.1	18.1	4.6	0.6	70.7	458.2	290.2	83.1	18.1	4.6	0.6	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	1	74.3	435.7	272.0	78.6	20.8	5.1	0.4	74.3	435.7	272.0	78.6	20.8	5.1	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	2	73.1	434.7	280.8	78.5	19.1	4.6	0.4	73.1	434.6	280.8	78.5	19.1	4.6	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	3	71.1	443.7	283.9	81.2	18.4	4.6	0.4	71.1	443.6	283.8	81.2	18.4	4.6	0.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	6	1	74.6	412.3	256.5	79.3	20.6	3.4	0.4	74.6	412.2	256.4	79.3	20.6	3.4	0.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	6	2	74.2	448.5	255.5	81.4	18.7	3.2	0.4	74.2	448.4	255.4	81.4	18.7	3.2	0.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	6	3	72.6	459.3	261.4	84.8	17.5	3.1	0.3	72.6	459.2	261.3	84.7	17.5	3.1	0.3	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Gateway Corridor 24																														
24	SOUTH24	1	1	74.6	410.3	256.5	80.4	20.6	3.4	0.4	74.6	410.2	256.4	80.4	20.6	3.4	0.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	1	2	74.2	448.3	255.5	81.7	18.5	3.2	0.3	74.2	448.2	255.4	81.7	18.5	3.2	0.3	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	2	1	74.1	415.5	239.8	81.5	19.4	3.4	0.3	74.1	415.4	239.7	81.5	19.4	3.4	0.3	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	2	2	74.5	422.3	240.8	84.3	17.1	3.1	0.3	74.5	422.2	240.6	84.2	17.1	3.1	0.3	0.0	-0.1	0.0%	-0.1	-0.1%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	3	1	73.2	413.9	254.7	92.1	17.2	4.1	0.2	73.2	413.8	254.6	92.0	17.2	4.1	0.2	0.0	-0.1	0.0%	-0.1	-0.1%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	3	2	74.3	426.4	269.8	98.2	18.3	3.3	0.2	74.3	426.2	269.7	98.1	18.3	3.3	0.2	0.0	-0.1	0.0%	-0.1	0.0%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	4	1	71.9	416.7	245.3	93.2	16.4	3.7	0.2	71.9	416.5	245.2	93.1	16.4	3.7	0.2	0.0	-0.1	0.0%	-0.1	0.0%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	4	2	73.6	412.2	246.2	97.8	19.6	3.5	0.2	73.6	412.1	246.1	97.8	19.6	3.5	0.2	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	5	1	71.8	407.3	249.3	90.7	24.9	3.5	0.5	71.8	407.2	249.2	90.7	24.9	3.5	0.5	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	5	2	72.5	403.5	248.0	90.2	21.5	3.9	0.2	72.5	403.4	247.9	90.2	21.5	3.9	0.2	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	6	1	70.5	388.3	248.0	101.6	27.0	3.2	0.6	70.5	388.2	247.9	101.6	27.0	3.2	0.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	6	2	71.0	388.7	252.5	116.6	23.3	3.2	0.6	71.0	388.6	252.4	116.6	23.3	3.2	0.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	7	1	70.3	379.2	257.4	125.7	27.5	3.1	0.6	70.3	379.1	257.4	125.7	27.5	3.1	0.6	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	7	2	69.4	370.2	256.9	127.6	28.2	3.6	0.6	69.4	370.1	256.9	127.6	28.2	3.6	0.6	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	8	1	70.6	363.5	263.1	128.2	28.0	5.1	0.7	70.6	363.5	263.1	128.2	28.0	5.1	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	8	2	69.9	368.0	263.6	129.3	27.9	5.6	0.7	69.9	368.0	263.6	129.3	27.9	5.6	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	9	1	70.7	351.4	260.3	131.5	28.0	5.1	1.3	70.7	351.4	260.3	131.5	28.0	5.1	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	9	2	70.3	350.7	263.8	127.6	27.5	5.1	0.7	70.3	350.6	263.8	127.6	27.5	5.1	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	10	1	70.9	353.2	256.8	136.8	26.1	4.6	1.4	70.9	353.2	256.8	136.8	26.1	4.6	1.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	10	2	71.0	358.3	255.8	131.0	28.5	4.8	0.7	71.0	358.3	255.8	131.0	28.5	4.8	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	11	1	71.8	354.1	247.8	144.2	25.6	2.7	1.3	71.8	354.1	247.8	144.2	25.6	2.7	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	11	2	71.7	354.6	242.2	135.3	27.6	3.0	1.3	71.7	354.6	242.2	135.3	27.6	3.0	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Gateway Corridor 32																														
32	EAST32	1	1	73.9	394.6	298.4	119.3	29.0	4.7	0.9	73.9	396.5	300.2	119.9	29.0	4.7	0.9	0.0	1.9	0.5%	1.9	0.6%	0.5	0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	2	72.3	397.1	287.2	116.6	25.0	2.1	0.8	72.3	399.0	288.5	117.4	25.0	2.1	0.8	0.0	1.9	0.5%	1.4	0.5%	0.8	0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	3	71.2	383.7	297.3	124.4	23.8	2.0	0.8	71.2	385.1	298.1	124.4	23.8	2.0	0.8	0.0	1.4	0.4%	0.8	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	4	71.2	393.9	292.2	118.0	24.7	3.1	0.9	71.2	394.8	292.6	118.0	24.7	3.1	0.9	0.0	0.9	0.2%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	5	71.6	394.8	284.7	125.7	25.6	2.4	0.8	71.6	395.2	284.8	125.7	25.6	2.4	0.8	0.0	0.4	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	6	73.3	381.2	297.0	117.0	16.6	2.5	0.8	73.3	381.2	297.0	117.0	16.6	2.5	0.8	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	7	74.2	378.5	294.9	135.3	26.4	3.1	0.7	74.2	378.5	294.9	135.4	26.4	3.1	0.7	0.0	0.0	0.0%	0.0	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	1	8	74.2	378.7	296.0	133.9	27.8	3.1	0.7	74.2	378.7	295.9	133.9	27.8	3.1	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.1	0.3%	0.0	0.0%	0.0	0.0%
32	EAST32	1	9	73.2	371.7	293.8	130.9	31.1	3.7	0.6	73.2	372.0	293.8	130.8	31.1	3.8	0.6	0.0	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.1	2.2%	0.0	7.4%
32	EAST32	2	1	74.5	397.3	268.3	115.5	28.7	4.5	0.8	74.5	399.2	270.1	116.0	28.7	4.5	0.8	0.0	1.9	0.5%	1.8	0.7%	0.5	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	2	73.6	399.7	271.3	117.1	24.9	2.9	0.9	73.6	401.6	272.6	117.9	24.9	2.9	0.9	0.0	1.9	0.5%	1.3	0.5%	0.8	0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	3	71.8	386.3	285.5	118.4	23.5	2.1	1.0	71.8	387.7	286.3	118.5	23.5	2.1	1.0	0.0	1.4	0.4%	0.8	0.3%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	4	71.7	367.7	292.9	122.6	23.8	2.1	1.0	71.7	368.6	293.2	122.6	23.8	2.1	1.0	0.0	0.8	0.2%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	5	72.3	379.6	285.6	123.8	24.0	2.6	1.0	72.3	380.0	285.6	123.8	24.0	2.6	1.0	0.0	0.4	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	6	72.3	389.2	279.3	118.0	22.6	2.6	0.9	72.3	389.2	279.3	118.0	22.6	2.6	0.9	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	7	74.2	383.3	292.2	136.2	18.6	2.7	0.9	74.2	383.3	292.2	136.2	18.6	2.7	0.9	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
32	EAST32	2	8	74.6	386.6	288.2	133.7	27.7	3.0	0.7	74.6	386.6	288.2	133.7	27.8	3.0	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.2%	0.0	0.0%	0.0	0.0%
32	EAST32	2	9	74.2	382.8	288.5	132.7	28.2	3.5	0.8	74.2	383.1	288.5	132.6	28.3	3.5	0.8	0.0	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.1	0.3%	0.1	2.4%	0.0	0.0%
Gateway Corridor 33																														
33	EAST33	1	1	72.7	347.3	271.1	103.2	32.8	2.3	0.3	72.7	348.1	271.8	103.5	32.8	2.4	0.3	0.0	0.7	0.2%	0.8	0.3%	0.3	0.3%	0.0	0.1%	0.1	3.6%	0.0	0.0%
33	EAST33	1	2	76.8	337.0	258.7	101.6	16.4	2.5	0.5	74.8	338.1	259.4	102.0	16.4	2.4	0.4	-2.0	1.1	0.3%	0.7	0.3%	0.4	0.4%	0.0	0.0%	-0.1	-3.3%	-0.1	-22.9%
33	EAST33	1	3	75.6	324.4	233.7	97.7	17.8	2.6	0.9	75.6	326.1	234.5	97.8	17.8	2.6	0.9	0.0	1.8	0.5%	0.8	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	1	4	75.5	298.4	220.1	78.6	17.1	2.1	0.9	75.5	300.1	221.7	78.8	17.1	2.1	0.9	0.0	1.8	0.6%	1.5	0.7%	0.2	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	1	5	75.4	288.5	202.3	78.4	14.7	2.2	1.1	75.4	290.0	203.5	79.0	14.7	2.2	1.1	0.0	1.5	0.5%	1.3	0.6%	0.7	0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	1	6	75.7	273.9	198.2	76.2	14.0	2.1	1.0	75.7	275.2	199.5	76.8	14.0	2.1	1.0	0.0	1.3	0.5%	1.3	0.6%	0.6	0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	1	7	74.2	260.1	189.2	68.3	14.0	2.0	1.0	74.2	261.4	190.3	68.5	14.0	2.0	1.0	0.0	1.3	0.5%	1.1	0.6%	0.2	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	1	8	71.6	254.4	169.1	55.9	13.4	1.9	0.9	71.6	255.3	169.5	55.9	13.4	1.9	0.9	0.0	0.9	0.3%	0.5	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	2	1	70.9	356.2	273.0	105.5	34.6	2.4	0.3	70.9	357.0	273.7	105.8	34.9	2.4	0.3	0.0	0.8	0.2%	0.8	0.3%	0.3	0.3%	0.3	0.9%	0.0	0.0%	0.0	0.0%
33	EAST33	2	2	73.1	336.7	261.3	103.6	14.5	2.9	0.3	73.1	337.8	262.0	103.8	14.5	3.0	0.4	0.0	1.1	0.3%	0.7	0.3%	0.1	0.1%	0.0	0.0%	0.1	2.5%	0.1	28.2%
33	EAST33	2	3	74.9	326.9	240.5	101.4	18.0	2.7	0.9	74.9	328.5	241.1	101.8	17.9	2.6	0.9	0.0	1.6	0.5%	0.7	0.3%	0.4	0.4%	0.0	-0.1%	-0.1	-2.8%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020
*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1	(white)	< -0.1	(white)
+0.1 to +1.0	(light yellow)	-0.1 to -1.0	(light cyan)
+1.1 to +5.0	(yellow)	-1.1 to -5.0	(light blue)
+5.1 to +10.0	(orange)	-5.1 to -10.0	(cyan)
> +10.0	(red)	> -10.0	(blue)

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
33	EAST33	2	4	75.5	315.3	230.0	96.0	17.1	2.6	0.9	75.5	316.8	231.3	95.8	17.1	2.6	0.9	0.0	1.5	0.5%	1.3	0.6%	-0.2	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	2	5	75.2	304.4	215.4	77.0	17.5	2.2	0.9	75.2	306.2	216.9	77.3	17.5	2.2	0.9	0.0	1.8	0.6%	1.5	0.7%	0.2	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	2	6	75.8	296.1	195.7	77.4	14.3	2.2	1.0	75.8	297.6	196.9	78.0	14.3	2.2	1.0	0.0	1.5	0.5%	1.2	0.6%	0.6	0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	2	7	74.9	269.2	186.6	76.4	14.0	2.5	1.0	74.9	270.5	187.9	76.6	14.0	2.5	1.0	0.0	1.3	0.5%	1.3	0.7%	0.2	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
33	EAST33	2	8	72.6	266.8	177.5	59.5	12.3	2.0	1.0	72.6	268.0	178.4	59.5	12.3	2.0	1.0	0.0	1.3	0.5%	0.9	0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Goose Creek WSA																														
12	ZION12	5	9	73.3	354.5	235.9	90.5	14.2	2.4	0.8	73.3	349.9	234.5	91.1	14.2	2.4	0.8	0.0	-4.6	-1.3%	-1.4	-0.6%	0.5	0.6%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
Grand Canyon-Parashant NM																														
2	PAIUTEW2	2	2	75.2	590.7	407.3	181.6	29.0	5.5	1.5	75.2	588.9	405.7	182.0	29.5	5.5	1.5	0.0	-1.7	-0.3%	-1.5	-0.4%	0.4	0.2%	0.5	1.6%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	2	3	75.4	590.6	398.1	169.0	30.5	6.9	1.6	75.4	588.6	396.7	168.6	31.2	6.9	1.6	0.0	-2.0	-0.3%	-1.4	-0.4%	-0.3	-0.2%	0.7	2.3%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	3	2	74.6	580.1	394.6	172.0	34.8	5.5	1.5	74.6	578.6	393.0	172.5	34.8	5.4	1.5	0.0	-1.6	-0.3%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	-0.1	-2.1%	0.0	0.0%
2	PAIUTEW2	3	3	75.6	572.8	389.1	163.6	29.1	5.5	1.5	75.6	570.9	387.7	163.8	29.6	5.5	1.5	0.0	-1.8	-0.3%	-1.4	-0.4%	0.2	0.2%	0.6	1.9%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	7	2	72.3	556.2	374.0	147.8	31.9	4.6	1.2	72.3	554.8	374.8	147.8	31.9	4.6	1.2	0.0	-1.4	-0.3%	0.8	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	8	2	72.2	588.6	373.7	145.2	33.4	4.8	1.2	71.7	587.0	374.4	145.2	33.4	4.8	1.2	-0.5	-1.6	-0.3%	0.7	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	1	72.0	452.7	310.4	85.3	18.4	4.9	0.2	72.0	452.7	310.4	85.4	18.4	4.9	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	2	71.3	463.2	321.8	86.0	17.8	4.7	0.4	71.3	463.2	321.9	86.1	17.8	4.7	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	1	72.5	451.8	302.6	80.4	18.8	4.8	0.2	72.5	451.8	302.6	80.4	18.8	4.8	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	2	70.7	450.0	290.9	77.4	17.7	4.7	0.5	70.7	449.9	290.9	77.4	17.7	4.7	0.5	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	3	70.6	462.5	292.8	84.3	18.0	4.6	1.0	70.6	462.3	292.8	84.3	18.0	4.6	1.0	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	1	73.5	453.6	282.0	74.8	18.2	4.9	0.3	73.5	453.6	282.0	74.9	18.2	4.9	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	2	71.8	454.8	284.9	81.9	18.2	4.4	0.3	71.8	454.9	284.9	81.9	18.2	4.4	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	4	3	70.7	458.4	290.2	83.1	18.1	4.6	0.6	70.7	458.2	290.2	83.1	18.1	4.6	0.6	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	1	74.3	435.7	272.0	78.6	20.8	5.1	0.4	74.3	435.7	272.0	78.6	20.8	5.1	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	2	73.1	434.7	280.8	78.5	19.1	4.6	0.4	73.1	434.6	280.8	78.5	19.1	4.6	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	5	3	71.1	443.7	283.9	81.2	18.4	4.6	0.4	71.1	443.6	283.8	81.2	18.4	4.6	0.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	6	3	72.6	459.3	261.4	84.8	17.5	3.1	0.3	72.6	459.2	261.3	84.7	17.5	3.1	0.3	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Grand Canyon-Parashant NM (West)																														
2	PAIUTEW2	9	2	72.0	605.8	368.9	139.3	31.3	4.2	1.0	72.0	605.8	369.7	139.3	31.3	4.2	1.0	0.0	0.0	0.0%	0.8	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	10	2	72.7	636.4	377.8	138.3	29.8	4.1	0.5	72.7	636.0	378.2	138.3	29.8	4.1	0.5	0.0	-0.4	-0.1%	0.5	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	1	1	72.7	780.2	608.5	221.9	39.8	8.6	1.4	72.7	780.2	608.5	221.9	39.8	8.6	1.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	1	2	73.1	742.4	582.0	219.1	32.5	8.7	1.8	73.1	742.3	582.0	219.1	32.5	8.7	1.8	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	1	3	73.0	749.3	541.8	219.8	42.3	8.5	1.5	73.0	749.2	541.8	219.8	42.3	8.5	1.5	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	1	4	71.4	747.5	525.3	220.3	39.3	9.9	1.8	71.4	747.2	525.3	220.3	39.3	9.9	1.8	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	2	1	72.0	772.7	589.4	221.1	39.9	9.0	4.6	72.0	772.6	589.4	221.1	39.9	9.0	4.6	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	2	2	73.0	731.3	599.4	221.1	39.9	8.4	1.3	73.0	731.2	599.3	221.1	39.9	8.4	1.3	0.0	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	2	3	73.2	730.6	559.1	208.4	39.6	8.8	1.7	73.2	730.1	559.1	208.3	39.6	8.8	1.7	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	2	4	72.3	753.1	537.5	224.9	40.3	8.6	1.3	72.3	752.6	537.6	224.9	40.3	8.6	1.3	0.0	-0.6	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	3	1	72.1	759.3	558.9	240.4	40.2	9.2	4.6	72.1	759.2	558.8	240.4	40.2	9.2	4.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	3	2	72.6	724.3	575.4	217.8	38.6	8.1	1.4	72.6	724.2	575.4	217.7	38.6	8.1	1.4	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	3	3	73.4	723.4	566.0	202.4	38.0	8.4	1.2	73.4	723.0	566.0	202.4	38.0	8.4	1.2	0.0	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	3	4	73.0	720.9	544.3	207.6	38.6	8.1	1.3	73.0	720.4	544.3	207.6	38.6	8.1	1.3	0.0	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	4	1	71.4	749.7	552.1	234.4	40.9	9.2	4.6	71.4	749.5	552.0	234.3	40.9	9.2	4.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	4	2	72.0	726.9	565.4	216.8	38.9	8.9	4.6	72.0	726.8	565.3	216.8	38.9	8.9	4.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	4	3	72.8	715.3	571.6	207.1	39.4	8.1	1.3	72.8	714.8	571.6	207.0	39.4	8.1	1.3	0.0	-0.5	-0.1%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	4	4	73.3	715.1	536.0	210.7	39.3	8.8	1.3	73.3	714.6	536.0	210.6	39.3	8.8	1.3	0.0	-0.5	-0.1%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	5	1	70.4	738.7	547.3	233.9	43.3	8.8	4.5	70.4	738.6	547.2	233.9	43.3	8.8	4.5	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	5	2	71.0	740.3	559.4	236.5	39.1	9.1	4.6	71.0	740.2	559.3	236.4	39.1	9.1	4.6	0.0	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	5	3	71.9	716.1	548.7	203.3	37.5	8.6	1.4	71.9	715.6	548.7	203.3	37.5	8.6	1.4	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	5	4	73.0	711.6	532.7	203.7	40.0	8.1	1.2	73.0	711.4	532.7	203.7	40.0	8.1	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	6	1	70.9	728.8	545.4	241.1	44.8	8.7	4.4	70.9	728.7	545.4	241.1	44.8	8.7	4.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	6	2	69.9	743.9	538.9	232.9	39.3	8.6	4.5	69.9	743.8	538.9	232.9	39.3	8.6	4.5	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	6	3	70.7	726.6	545.0	211.7	36.0	8.7	1.4	70.7	726.1	545.0	211.7	36.0	8.7	1.4	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	6	4	72.2	705.0	540.7	202.9	38.0	7.8	1.3	72.2	704.8	540.7	202.9	38.0	7.8	1.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	7	1	71.6	717.5	550.3	266.9	44.2	8.2	4.3	71.6	717.4	550.3	266.9	44.2	8.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	7	2	70.7	732.5	522.8	237.2	37.7	8.4	4.2	70.7	732.4	522.8	237.2	37.7	8.4	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	7	3	69.8	718.2	539.6	225.9	37.2	8.5	4.4	69.8	718.1	539.6	225.9	37.2	8.5	4.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	7	4	71.2	709.6	530.4	197.9	35.6	8.1	1.4	71.2	709.4	530.3	197.9	35.6	8.1	1.4	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	1	72.5	710.9	554.2	266.2	43.2	11.2	4.3	72.5	710.8	554.2	266.2	43.2	11.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	2	71.2	707.4	534.9	239.0	37.7	8.2	4.2	71.2	707.4	534.9	239.0	37.7	8.2	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	3	70.4	729.9	517.9	230.8	37.4	8.4	4.3	70.4	729.8	517.9	230.8	37.4	8.4	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	4	69.8	716.2	525.8	200.5	34.1	8.1	1.2	69.8	715.7	525.8	200.5	34.1	8.1	1.2	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	3	71.1	701.8	523.3	235.3	36.0	8.2	4.2	71.1	701.7	523.3	235.4	36.0	8.2	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	4	70.0	688.2	514.8	224.8	34.0	8.2	4.3	70.0	688.1	514.8	224.8	34.0	8.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	12	1	73.0	670.7	543.1	267.9	43.7	9.0	4.4	73.0	670.7	543.1	267.9	43.7	9.0	4.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	12	2	74.3	666.1	519.9	270.0	43.9	10.6	4.4	74.3	666.1	519.9	270.0	43.9	10.6	4.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	12	3	74.6	681.8	532.8	264.3	37.1	9.6	4.3	74.6	681.7	532.8	264.3	37.1	9.6	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	12	4	73.0	690.2	519.9	234.4	34.2	8.0	4.3	73.0	689.9	519.9	234.4	34.2	8.0	4.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	13	1	72.8	680.6	544.9	266.4	39.5	8.8	4.3	72.8	680.6	544.9	266.4	39.5	8.8	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	13	2	73.3	675.8	528.3	283.2	40.8	10.5	4.4	73.3	675.6	528.3	283.2	40.8	10.5	4.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	13	3	74.3	669.8	526.7	267.5	39.1	10.5	4.3	74.3	669.6	526.7	267.5	39.1	10.5	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	13	4	74.2	675.2	511.9	245.6	36.2	9.4	4.3	74.2	675.0	511.9	245.6	36.2	9.4	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	14	1	71.6	665.7	546.1	245.2	39.6	8.7	4.2	71.6	665.6	546.1	245.2	39.6	8.7	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	14	2	72.0	677.2	522.4	266.9	40.0	10.3	4.3	72.0	677.0	522.4	266.9	40.0	10.3	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	14	3	73.4	662.8	522.2	265.5	40.9	10.1	4.3	73.4	662.6	522.2	265.5	40.9	10.1	4.3	0.0	-0.2	0.0%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	14	4	74.3	661.4	521.8	254.6	37.6	9.2	4.3	74.3	661.2	521.8	254.6	37.6	9.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	15	1	69.9	673.5	541.2	251.8	35.3	8.4	1.2	69.9	673.4	541.2	251.8	35.3	8.4	1.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	15	2	70.4	669.9	541.9	271.6	39.3	8.6	3.7	70.4	669.7	541.9	271.6	39.3	8.6	3.7	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	15	3	72.5	661.8	522.9	276.0	36.1	10.2	4.3	72.5	661.6	522.9	276.0	36.1	10.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	15	4	74.1	664.6	507.4	262.8	38.4	9.1	4.3	74.1	664.4	507.4	262.8	38.4	9.1	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	16	1	71.4	671.2	540.1	240.7	34.1	8.4	1.2	71.4	671.0	540.1	240.7	34.1	8.4	1.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	16	2	69.1	644.1	537.2	236.8	35.5	8.4	4.2	69.1	643.9	537.2	236.8	35.5	8.4	4.2	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	17	1	72.8	668.7	490.4	240.0	31.8	8.7	1.3	72.8	668.5	490.4	240.0	31.8	8.7	1.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	1	1	71.4	746.1	530.8	220.3	39.3	9.9	1.6	71.4	745.8	530.8	220.3	39.3	9.9	1.6	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	1	2	71.8	720.3	507.0	186.9	37.1	9.9	1.9	71.8	719.6	506.9	187.0	37.1	9.9	1.9	0.0	-0.7	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	1	3	73.4	722.4	493.4	185.8	36.0	10.9	1.7	73.4	720.8	493.3	185.8	36.0	10.9	1.7	0.0	-1.6	-0.2%	-0.1	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	1	4	74.0	701.1	497.6	187.3	34.4	7.7	1.7	74.0	699.0	497.1	187.3	34.4	7.8	1.7	0.0	-2.1	-0.3%	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.1	0.7%	0.0	0.0%
1	PARSHAN1	1	5	74.0	679.6	495.2	196.5	38.1	7.5	1.9	74.0	678.1	494.9	196.5	38.1	7.5	1.9	0.0	-1.5	-0.2%	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	1	6	75.5	637.1	486.8	201.4	35.1	8.0	1.8	75.5	635.5	486.2	201.5	35.5	8.0	1.8	0.0	-1.6	-0.3%	-0.6	-0.1%	0.0	0.0%	0.4	1.3%	0.0	-0.1%	0.0	0.0%
1	PARSHAN1	2	1	72.3	751.2	537.6	224.9	40.5	8.6	1.3	72.3	750.7	537.7	224.9	40.5	8.6	1.3	0.0	-0.6	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	2	2	70.9	698.6	512.8	183.2	35.6	8.6	1.6	70.9	698.0	512.7	183.2	35.6	8.6	1.6	0.0	-0.6	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1		< -0.1	
+0.1 to +1.0		-0.1 to -1.0	
+1.1 to +5.0		-1.1 to -5.0	
+5.1 to +10.0		-5.1 to -10.0	
> +10.0		> -10.0	

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
1	PARSHAN1	2	3	72.6	708.9	479.7	168.4	35.5	9.9	1.6	72.6	706.5	479.6	168.5	35.5	9.9	1.6	0.0	-2.4	-0.3%	-0.1	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	2	4	73.6	711.7	489.4	182.6	34.8	10.6	1.7	73.6	709.6	488.9	182.6	34.9	10.6	1.7	0.0	-2.1	-0.3%	-0.5	-0.1%	0.0	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	2	5	73.2	674.2	497.0	187.0	35.6	7.3	1.6	73.2	672.7	496.5	187.0	35.6	7.3	1.6	0.0	-1.5	-0.2%	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.1	0.7%	0.0	0.0%
1	PARSHAN1	2	6	74.1	650.1	467.2	197.0	36.6	7.3	1.7	74.1	648.6	466.1	197.0	36.6	7.3	1.7	0.0	-1.5	-0.2%	-1.2	-0.2%	0.0	0.0%	0.0	0.0%	0.0	-0.5%	0.0	0.0%
1	PARSHAN1	2	9	73.3	654.5	478.5	200.2	36.8	7.2	1.3	73.3	652.8	476.8	199.8	36.4	7.2	1.3	0.0	-1.7	-0.3%	-1.7	-0.4%	-0.5	-0.2%	-0.4	-1.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	1	73.0	721.2	544.2	207.4	38.6	8.1	1.3	73.0	720.7	544.2	207.4	38.6	8.1	1.3	0.0	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	2	71.9	724.7	525.8	207.7	38.0	8.0	1.3	71.9	724.1	525.7	207.7	38.0	8.0	1.3	0.0	-0.6	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	3	72.3	705.5	477.6	174.1	35.2	8.5	1.5	72.3	703.1	477.5	174.2	35.2	8.5	1.5	0.0	-2.4	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	4	73.5	702.3	465.4	163.5	35.6	8.6	1.6	73.5	700.7	464.9	163.6	35.6	8.6	1.6	0.0	-1.6	-0.2%	-0.5	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	5	73.5	672.7	466.7	175.5	33.4	6.9	1.4	73.5	671.3	466.1	175.5	33.5	6.9	1.4	0.0	-1.4	-0.2%	-0.6	-0.1%	0.0	0.0%	0.1	0.2%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	3	6	73.1	668.2	470.6	192.0	35.6	7.2	1.4	73.1	666.8	469.4	192.6	35.6	7.3	1.4	0.0	-1.4	-0.2%	-1.2	-0.2%	0.6	0.3%	0.0	0.0%	0.1	0.8%	0.0	0.0%
1	PARSHAN1	3	7	74.6	631.5	459.4	191.8	34.1	8.1	1.7	74.6	630.1	457.1	191.7	34.1	8.0	1.7	0.0	-1.4	-0.2%	-2.2	-0.5%	-0.1	0.0%	0.0	0.0%	-0.1	-1.3%	0.0	0.0%
1	PARSHAN1	3	8	75.0	628.1	448.7	188.8	31.6	8.3	1.6	75.0	626.6	447.2	188.4	32.2	8.3	1.6	0.0	-1.6	-0.3%	-1.5	-0.3%	-0.4	-0.2%	0.6	1.9%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	1	73.3	715.2	536.0	210.1	39.6	8.8	1.3	73.3	714.6	536.0	210.0	39.6	8.8	1.3	0.0	-0.5	-0.1%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	2	72.8	703.1	520.9	214.6	38.4	8.1	1.3	72.8	702.6	520.8	214.6	38.4	8.1	1.3	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	3	72.1	678.9	500.3	171.0	36.6	8.0	1.4	72.1	676.6	500.2	171.0	36.6	8.0	1.4	0.0	-2.3	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	4	73.4	693.7	461.3	161.4	35.1	8.1	1.4	73.4	692.1	460.8	161.5	35.1	8.1	1.4	0.0	-1.6	-0.2%	-0.5	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	5	73.3	691.6	452.0	169.6	34.6	5.4	1.4	73.3	690.0	452.0	169.7	34.5	5.4	1.4	0.0	-1.6	-0.2%	0.0	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	6	72.0	642.9	461.4	177.7	34.3	5.2	1.3	72.0	641.5	460.8	177.7	34.3	5.2	1.3	0.0	-1.4	-0.2%	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.8%	0.0	0.0%
1	PARSHAN1	4	7	73.4	633.9	451.2	189.0	35.0	6.5	1.7	73.4	632.4	449.1	189.6	35.0	6.5	1.7	0.0	-1.4	-0.2%	-2.1	-0.5%	0.5	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	4	8	74.5	622.2	453.9	187.9	30.7	7.4	1.6	74.5	620.7	452.3	187.8	30.8	7.3	1.6	0.0	-1.5	-0.2%	-1.5	-0.3%	-0.1	0.0%	0.1	0.3%	0.0	-0.2%	0.0	0.0%
1	PARSHAN1	4	9	74.9	625.6	438.4	183.6	30.1	7.7	1.6	74.9	624.0	437.0	183.4	30.8	7.7	1.6	0.0	-1.7	-0.3%	-1.4	-0.3%	-0.2	-0.1%	0.6	2.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	1	73.0	711.1	533.1	203.7	40.0	8.1	1.2	73.0	710.8	533.1	203.7	40.0	8.1	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	2	73.3	690.8	508.3	218.2	31.0	8.1	1.3	73.3	690.3	508.3	218.2	31.0	8.1	1.3	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	3	72.6	692.6	497.2	210.2	35.9	8.2	1.3	72.6	690.3	497.1	210.2	35.9	8.2	1.3	0.0	-2.2	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	4	73.1	677.9	476.9	155.8	36.2	8.0	1.4	73.1	676.3	476.4	155.8	36.2	8.0	1.4	0.0	-1.6	-0.2%	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	5	73.4	681.7	450.5	154.2	34.8	8.0	1.4	73.4	680.1	450.1	154.3	34.8	8.0	1.4	0.0	-1.6	-0.2%	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	6	72.0	657.1	444.7	167.8	32.6	4.9	1.4	72.0	655.6	444.9	167.8	32.6	4.9	1.4	0.0	-1.6	-0.2%	0.2	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	5	7	72.5	637.7	449.7	180.4	34.3	4.7	1.3	72.5	636.3	447.4	180.4	34.3	4.7	1.3	0.0	-1.4	-0.2%	-2.2	-0.5%	-0.1	0.0%	0.0	-0.1%	0.0	0.3%	0.0	0.0%
1	PARSHAN1	5	8	73.5	608.9	443.9	181.2	33.6	5.6	1.6	73.5	607.5	442.4	181.7	33.6	5.5	1.6	0.0	-1.4	-0.2%	-1.4	-0.3%	0.5	0.3%	0.0	0.0%	0.0	-0.7%	0.0	0.0%
1	PARSHAN1	5	9	75.0	599.3	412.6	180.9	30.0	7.2	1.5	75.0	597.8	411.1	181.0	30.4	7.2	1.5	0.0	-1.4	-0.2%	-1.5	-0.4%	0.1	0.1%	0.4	1.3%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	1	72.2	705.0	540.6	203.0	38.0	7.8	1.3	72.2	704.8	540.6	202.9	38.0	7.8	1.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	2	73.3	696.1	498.1	213.3	38.3	8.3	1.2	73.3	695.6	498.0	213.3	38.3	8.3	1.2	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	3	73.3	681.1	503.2	211.2	34.6	8.1	1.3	73.3	678.7	503.1	211.2	34.6	8.1	1.3	0.0	-2.4	-0.4%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	4	73.2	661.7	484.4	163.6	35.1	8.2	1.3	73.2	660.0	484.0	163.6	35.1	8.2	1.3	0.0	-1.7	-0.3%	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	5	73.6	650.6	449.2	150.1	34.9	7.9	1.3	73.6	649.6	448.9	150.1	34.9	7.9	1.3	0.0	-0.9	-0.1%	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	6	72.3	667.8	441.5	141.6	34.9	4.8	1.3	72.3	666.2	441.6	141.7	34.9	4.8	1.3	0.0	-1.6	-0.2%	0.1	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	7	71.2	611.6	427.5	169.8	34.3	4.8	1.1	71.2	609.9	426.3	169.7	34.3	4.8	1.1	0.0	-1.7	-0.3%	-1.1	-0.3%	-0.1	0.0%	0.1	0.2%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	6	8	72.9	614.0	431.8	178.9	34.2	4.5	1.7	72.9	612.5	430.2	178.9	34.2	4.6	1.7	0.0	-1.5	-0.2%	-1.6	-0.4%	0.0	0.0%	0.0	0.0%	0.1	2.2%	0.0	0.0%
1	PARSHAN1	6	9	74.1	591.1	441.1	173.7	32.4	5.3	1.6	74.1	589.7	439.5	174.2	32.4	5.2	1.6	0.0	-1.4	-0.2%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	-0.1	-1.9%	0.0	0.0%
1	PARSHAN1	7	1	71.1	704.1	530.7	197.1	35.6	8.1	1.4	71.1	703.9	530.7	197.1	35.6	8.1	1.4	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	2	72.7	698.9	503.5	206.4	37.4	7.7	1.5	72.7	698.4	503.4	206.4	37.4	7.7	1.5	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	3	73.5	687.5	488.9	210.9	38.1	7.5	1.2	73.5	687.1	488.9	210.9	38.1	7.5	1.2	0.0	-0.4	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	4	73.2	673.0	480.5	210.5	33.4	8.2	1.2	73.2	670.8	480.4	210.4	33.4	8.2	1.2	0.0	-2.2	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	5	73.7	638.6	452.2	157.2	35.8	7.8	1.4	73.7	637.6	452.0	157.2	35.8	7.8	1.4	0.0	-0.9	-0.1%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	6	72.7	652.8	428.5	149.5	35.3	4.9	1.4	72.7	651.7	428.1	149.5	35.3	4.9	1.4	0.0	-1.0	-0.2%	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	7	71.6	630.8	422.3	150.2	32.9	4.8	1.4	71.6	629.1	422.4	150.2	32.9	4.8	1.4	0.0	-1.7	-0.3%	0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	8	71.7	612.7	418.5	168.5	33.9	4.5	1.2	71.7	611.3	417.6	168.4	34.0	4.5	1.2	0.0	-1.5	-0.2%	-0.9	-0.2%	-0.1	0.0%	0.1	0.3%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	9	73.4	589.4	415.3	172.0	32.8	4.2	1.6	73.4	587.9	413.7	172.6	32.8	4.2	1.6	0.0	-1.5	-0.2%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	1	69.8	716.1	525.1	199.7	34.1	8.1	1.2	69.8	715.6	525.0	199.7	34.1	8.1	1.2	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	2	71.7	692.9	521.8	201.0	33.8	7.5	1.2	71.7	692.6	521.7	201.0	33.8	7.5	1.2	0.0	-0.3	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	3	73.1	678.6	478.4	201.5	38.1	7.2	1.2	73.1	678.1	478.3	201.6	38.1	7.2	1.2	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	4	73.6	662.5	488.9	208.7	34.1	8.1	1.3	73.6	660.9	488.9	208.6	34.1	8.1	1.3	0.0	-1.6	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	5	73.8	634.3	473.2	173.5	33.5	8.0	1.2	73.8	632.8	473.1	173.5	33.5	8.0	1.2	0.0	-1.6	-0.2%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	6	73.1	634.1	425.7	154.6	34.8	7.6	1.4	73.1	633.0	425.4	154.6	34.8	7.6	1.4	0.0	-1.1	-0.2%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	7	72.7	645.5	412.1	144.4	33.4	4.6	1.4	72.7	644.4	411.8	144.5	33.4	4.6	1.4	0.0	-1.1	-0.2%	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	9	72.5	585.3	395.6	165.8	33.3	4.4	1.5	72.5	583.8	394.7	165.8	33.3	4.4	1.5	0.0	-1.5	-0.3%	-0.9	-0.2%	0.0	0.0%	0.0	0.0%	0.1	1.1%	0.0	0.0%
1	PARSHAN1	9	1	70.0	688.1	514.8	224.8	34.0	8.2	4.3	70.0	688.0	514.8	224.8	34.0	8.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	2	70.5	693.0	517.2	196.3	33.0	7.7	1.2	70.5	692.7	517.2	196.3	33.0	7.7	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	3	72.3	676.6	481.7	202.4	35.7	7.2	1.3	72.3	676.3	481.6	202.4	35.7	7.2	1.3	0.0	-0.4	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	4	73.5	660.5	473.7	200.4	39.0	7.0	1.2	73.5	659.9	473.6	200.4	39.0	7.0	1.2	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	5	73.8	656.1	470.3	201.3	28.4	7.9	1.3	73.8	654.7	470.2	201.3	28.4	7.9	1.3	0.0	-1.5	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	6	73.2	630.6	436.0	151.5	33.0	7.8	1.2	73.2	628.9	435.8	151.5	33.0	7.8	1.2	0.0	-1.7	-0.3%	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	7	72.7	628.9	411.2	149.6	34.5	4.6	1.4	72.7	627.7	411.0	149.5	34.4	4.6	1.4	0.0	-1.2	-0.2%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	8	72.8	615.1	400.3	144.7	32.9	4.6	1.4	72.8	613.9	400.5	144.7	32.9	4.6	1.4	0.0	-1.3	-0.2%	0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	3	71.1	672.7	503.6	206.5	32.9	7.8	1.2	71.1	672.2	503.5	206.5	32.9	7.8	1.2	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	4	72.8	666.6	458.9	204.7	35.6	6.6	1.1	72.8	666.0	458.8	204.7	35.6	6.6	1.1	0.0	-0.7	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	5	73.7	653.1	472.9	198.7	35.5	7.4	1.1	73.7	651.4	472.8	198.7	35.5	7.4	1.1	0.0	-1.7	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	6	73.5	629.9	462.3	168.7	34.4	7.6	1.3	73.5	628.3	462.2	168.7	34.4	7.6	1.3	0.0	-1.6	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	7	72.2	638.7	423.9	149.1	33.3	7.7	1.2	72.2	637.4	423.7	149.1	33.3	7.7	1.2	0.0	-1.3	-0.2%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	8	72.2	627.0	398.2	147.1	32.9	4.7	1.4	72.2	625.7	398.0	147.1	32.9	4.7	1.4	0.0	-1.3	-0.2%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	9	72.6	585.1	384.2	141.9	31.8	4.6	1.2	72.6	583.4	384.4	142.0	31.7	4.6	1.2	0.0	-1.7	-0.3%	0.2	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	3	71.7	655.9	513.7	202.8	31.7	7.7	1.2	71.7	655.4	513.7	202.8	31.7	7.7	1.2	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	4	72.3	641.5	462.4	201.8	32.9	6.6	1.3	72.3	641.0	462.4	201.8	32.9	6.6	1.3	0.0	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	5	73.6	638.5	449.8	195.1	36.3	6.9	1.1	73.6	637.9	449.7	195.1	36.3	6.9	1.1	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	6	74.0	641.8	457.4	197.4	34.2	7.2	1.1	74.0	640.7	457.3	197.4	34.2	7.2	1.1	0.0	-1.0	-0.2%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	7	73.2	629.1	420.2	158.8	31.0	7.4	0.7	73.2	628.1	420.2	158.8	31.0	7.4	0.7	0.0	-1.0	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	8	71.8	632.7	393.0	147.0	33.7	4.5	1.2	71.8	631.3	392.8	146.9	33.7	4.5	1.2	0.0	-1.4	-0.2%	-0.2	-0.1%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	9	71.9	597.3	382.4	147.2	31.8	4.6	1.4	71.9	596.7	382.8	147.2	31.8	4.6	1.4	0.0	-0.6	-0.1%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	1	73.0	690.0	520.2	234.4	34.2	8.1	4.3	73.0	689.7	520.2	234.4	34.2	8.1	4.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	2	71.6	670.4	505.4	210.7	33.9	8.3	4.3	71.6	670.1	505.4	210.7	33.9	8.3	4.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	3	71.9	637.4	502.0	215.8	31.0	8.0	1.2	71.9	637.1	502.0	215.8	30.9	8.0	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	4	71.9	634.4	497.0	208.3	32.9	7.7	1.4	71.9	633.7	497.0	208.3	32.9	7.7	1.4	0.0	-0.7	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	5	73.4	641.1	448.2	192.8	34.5	6.4	1.1	73.4	640.6	448.1	192.8	34.5	6.4	1.1	0.0	-0.4	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	6	74.1	625.0	431.4	185.8	36.2	7.2	1.1	74.1	624.5	431.3	185.8	36.2	7.2	1.1	0.0	-0.4	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	7	73.7	610.3	453.7	155.1	33.4	7.0	1.1	73.7	610.1	453.6	155.1	33.4	7.0	1.1	0.0	-0.2	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	8	73.1	627.6	396.3	149.2	30.7	4.1	0.5	73.1	627.1	396.3	149.2	30.7	4.1	0.5	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	12	9	71.6	621.1	371.9	142.0	31.8	4.4	1.3	71.6	620.6	372.4	142.0	31.8	4.4	1.3	0.0	-0.5	-0.1%	0.5	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	1	74.2	674.8	511.4	245.6	36.3	9.4	4.3	74.2	674.6	511.4	245.6	36.3	9.4	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	2	73.0	677.9	503.9	217.8	35.0	8.2	4.3	73.0	677.6	503.9	217.8	35.0	8.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	3	71.9	653.5	496.3	206.2	30.7	7.9	1.1	71.9	653.3	496.3	206.2	30.6	7.9	1.1	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	-0.1	-0.2%	0.0	0.0%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1	(white)	< -0.1	(white)
+0.1 to +1.0	(light yellow)	-0.1 to -1.0	(light cyan)
+1.1 to +5.0	(yellow)	-1.1 to -5.0	(light blue)
+5.1 to +10.0	(orange)	-5.1 to -10.0	(cyan)
> +10.0	(red)	> -10.0	(blue)

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
1	PARSHAN1	13	4	71.3	629.2	490.8	193.8	30.2	7.8	1.2	71.3	629.0	490.8	193.8	30.2	7.8	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	5	73.2	643.0	460.7	193.3	30.6	6.5	1.1	73.2	642.5	460.6	193.3	30.6	6.5	1.1	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	6	74.0	628.2	449.0	185.2	31.8	6.9	1.1	74.0	627.8	448.8	185.2	31.8	6.9	1.1	0.0	-0.4	-0.1%	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	7	73.9	628.8	444.3	183.5	34.1	7.2	1.0	73.9	629.4	444.0	183.5	34.0	7.2	1.0	0.0	0.7	0.1%	-0.3	-0.1%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	8	74.0	602.6	403.9	156.0	25.9	7.0	1.0	74.0	602.5	403.7	156.0	25.9	7.0	1.0	0.0	-0.1	0.0%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	13	9	72.9	608.0	384.4	139.0	30.5	4.1	0.4	72.9	608.0	384.3	139.0	30.5	4.1	0.4	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.1	1.5%	0.0	0.0%
1	PARSHAN1	14	1	74.3	660.5	521.0	254.6	37.6	9.2	4.3	74.3	660.3	521.0	254.6	37.6	9.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	2	73.8	678.0	488.9	217.3	27.7	7.5	4.3	73.8	677.8	488.9	217.3	27.7	7.5	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	3	72.6	647.9	486.5	210.3	32.9	8.5	4.2	72.6	647.6	486.4	210.3	32.9	8.5	4.2	0.0	-0.2	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	4	71.5	628.6	492.7	212.9	28.1	8.0	1.1	71.5	628.3	492.5	212.9	28.1	8.0	1.1	0.0	-0.3	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	5	73.0	634.5	486.0	200.1	30.3	7.7	1.4	73.0	634.3	485.8	200.1	30.3	7.7	1.4	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	6	74.2	626.7	444.8	190.8	30.9	6.5	1.1	74.2	626.4	444.6	190.8	30.9	6.5	1.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	7	73.6	617.2	432.6	180.4	32.7	7.2	1.0	73.6	617.2	432.4	180.4	32.7	7.2	1.0	0.0	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	8	74.1	588.5	444.9	145.8	33.9	6.8	1.0	74.1	589.3	444.7	145.8	33.9	6.8	1.0	0.0	0.8	0.1%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	14	9	73.8	599.9	391.8	149.7	30.9	3.6	1.0	73.8	599.5	392.2	149.7	30.9	3.6	1.0	0.0	-0.4	-0.1%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	1	74.1	664.6	507.5	262.8	38.5	9.1	4.3	74.1	664.4	507.5	262.8	38.5	9.1	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	2	74.5	663.6	500.8	222.9	36.9	9.1	4.3	74.5	663.4	500.6	222.9	36.9	9.1	4.3	0.0	-0.2	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	3	73.7	664.0	484.8	216.9	33.6	7.4	4.3	73.7	663.8	484.5	216.9	33.6	7.4	4.3	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	4	72.3	636.1	475.9	212.1	30.9	7.9	1.1	72.3	635.9	475.6	212.1	30.9	7.9	1.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	5	72.6	626.3	486.8	193.9	27.8	7.9	1.2	72.6	626.0	486.6	193.9	27.8	7.9	1.2	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	6	74.0	625.3	445.4	192.9	28.6	7.0	1.1	74.0	625.5	445.2	192.9	28.6	7.0	1.1	0.0	0.2	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	7	74.0	614.8	432.0	182.3	29.7	6.6	1.1	74.0	614.5	431.8	182.3	29.7	6.6	1.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	15	8	73.7	582.8	435.2	176.5	32.6	7.0	1.1	73.7	583.4	435.5	176.5	32.6	7.0	1.1	0.0	0.6	0.1%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	16	3	74.3	657.3	487.1	216.9	32.3	7.2	4.3	74.3	657.1	486.9	216.9	32.3	7.2	4.3	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	16	4	73.1	637.2	486.7	222.6	30.2	7.3	4.2	73.1	637.0	486.5	222.6	30.2	7.3	4.2	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	16	5	72.0	625.8	482.6	208.4	28.4	7.8	1.1	72.0	625.6	482.4	208.4	28.4	7.8	1.1	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	16	6	73.8	620.2	484.2	191.0	28.4	7.2	1.4	73.8	619.9	484.1	191.0	28.4	7.2	1.4	0.0	-0.3	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	16	7	74.1	614.9	441.5	184.4	28.4	6.5	1.1	74.1	614.0	441.4	184.4	28.4	6.5	1.1	0.0	-0.9	-0.2%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	17	4	74.0	628.4	479.4	213.8	24.9	7.2	4.2	74.0	628.2	479.2	213.8	24.9	7.2	4.2	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	17	5	72.6	622.2	484.7	210.8	30.8	7.6	1.0	72.6	622.0	484.6	210.8	30.8	7.6	1.0	0.0	-0.2	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Grand Wash Cliffs Wilderness																														
21	PARASH21	8	1	72.5	710.9	554.2	266.2	43.2	11.2	4.3	72.5	710.8	554.2	266.2	43.2	11.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	2	71.2	707.4	534.9	239.0	37.7	8.2	4.2	71.2	707.4	534.9	239.0	37.7	8.2	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	8	3	70.4	729.9	517.9	230.8	37.4	8.4	4.3	70.4	729.8	517.9	230.8	37.4	8.4	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	1	73.3	717.0	554.9	269.4	42.8	11.0	4.3	73.3	717.0	554.9	269.4	42.8	11.0	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	2	72.4	688.3	552.6	251.1	42.3	10.0	4.3	72.4	688.2	552.6	251.1	42.3	10.0	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	3	71.1	701.8	523.3	235.3	36.0	8.2	4.2	71.1	701.7	523.3	235.4	36.0	8.2	4.2	0.0	-0.1	0.0%	0.0	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	9	4	70.0	688.2	514.8	224.8	34.0	8.2	4.3	70.0	688.1	514.8	224.8	34.0	8.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	10	1	73.9	702.7	550.6	272.2	45.3	10.3	4.3	73.9	702.7	550.6	272.2	45.3	10.3	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	10	2	73.6	694.7	549.3	276.7	37.3	10.0	4.3	73.6	694.7	549.3	276.7	37.3	10.0	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	10	3	72.5	686.4	512.7	235.7	38.9	10.0	4.3	72.5	686.4	512.7	235.7	38.9	10.0	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	10	4	71.4	693.0	508.8	228.2	34.8	8.3	4.3	71.4	693.0	508.8	228.2	34.8	8.3	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	11	1	73.5	687.2	527.6	273.8	41.9	10.4	4.4	73.5	687.2	527.6	273.8	41.9	10.4	4.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	11	2	74.1	678.0	545.8	279.5	44.6	10.4	4.3	74.1	678.0	545.8	279.5	44.6	10.4	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	11	3	73.6	692.6	524.5	241.6	39.0	10.1	4.3	73.6	692.5	524.5	241.6	39.0	10.1	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
21	PARASH21	11	4	71.9	691.2	504.6	229.9	36.6	8.2	4.3	71.9	690.9	504.6	229.9	36.6	8.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	1	70.0	688.1	514.8	224.8	34.0	8.2	4.3	70.0	688.0	514.8	224.8	34.0	8.2	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	2	70.5	693.0	517.2	196.3	33.0	7.7	1.2	70.5	692.7	517.2	196.3	33.0	7.7	1.2	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	1	71.4	693.2	509.2	226.9	34.9	8.3	4.3	71.4	693.1	509.2	226.9	34.9	8.3	4.3	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	2	70.0	692.9	511.3	191.3	32.4	8.1	1.2	70.0	692.3	511.3	191.3	32.4	8.1	1.2	0.0	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	1	71.9	691.1	504.7	230.0	36.6	8.2	4.3	71.9	690.9	504.7	230.0	36.6	8.2	4.3	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	11	2	71.4	682.6	506.5	214.7	31.8	8.2	4.3	71.4	682.3	506.5	214.7	31.8	8.2	4.3	0.0	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Gunlock SP																														
40	REDMTN40	1	2	70.8	516.6	433.7	206.3	32.0	4.9	1.9	70.8	503.8	424.3	206.2	32.0	4.8	1.9	0.0	-12.8	-2.5%	-9.4	-2.2%	0.0	0.0%	0.0	0.0%	-0.1	-1.4%	0.0	0.0%
40	REDMTN40	1	3	71.8	505.7	398.8	200.1	25.1	4.6	1.8	71.8	493.0	389.1	200.1	25.1	4.6	1.8	0.0	-12.7	-2.5%	-9.7	-2.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	2	2	69.0	534.5	428.9	178.7	29.5	3.4	1.7	69.0	497.1	419.6	178.7	29.4	3.4	1.7	0.0	-37.4	-7.0%	-9.4	-2.2%	0.0	0.0%	-0.1	-0.2%	0.0	0.0%	0.0	0.0%
40	REDMTN40	2	3	70.1	503.1	408.4	171.6	29.0	4.9	1.8	70.1	489.9	398.9	171.6	29.0	4.9	1.8	0.0	-13.2	-2.6%	-9.5	-2.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Iron Mission State Park Museum																														
14	PAIUTE14	3	3	70.8	313.8	218.8	86.6	14.2	1.1	0.3	70.8	305.7	219.1	86.7	14.2	1.1	0.3	0.0	-8.1	-2.6%	0.4	0.2%	0.0	0.0%	0.1	0.4%	0.0	0.0%	0.0	0.0%
Joshua Tree Instant Study Area																														
4	BEAVER4	1	7	73.7	592.2	439.9	202.9	27.6	5.4	0.4	73.7	577.1	433.9	202.1	27.5	5.4	0.4	0.0	-15.1	-2.6%	-6.1	-1.4%	-0.7	-0.4%	-0.1	-0.4%	0.0	0.0%	0.0	0.0%
4	BEAVER4	2	7	72.7	545.5	419.5	192.0	29.1	5.5	0.3	72.7	530.9	413.4	190.7	28.4	5.5	0.3	0.0	-14.6	-2.7%	-6.1	-1.5%	-1.4	-0.7%	-0.7	-2.4%	0.0	0.0%	0.0	0.0%
4	BEAVER4	2	8	74.1	570.7	420.3	186.9	26.5	5.4	0.1	74.1	556.5	415.7	186.4	26.4	5.4	0.1	0.0	-14.1	-2.5%	-4.6	-1.1%	-0.5	-0.3%	-0.1	-0.2%	0.0	0.0%	0.0	0.0%
Kaibab Indian Reservation																														
17	KAIBAB17	1	1	72.1	420.1	342.4	144.6	29.5	3.1	0.9	72.1	420.8	342.9	144.9	29.5	3.1	0.9	0.0	0.7	0.2%	0.5	0.1%	0.3	0.2%	0.0	0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	1	2	70.6	417.7	348.4	145.1	28.7	3.0	0.4	70.6	418.5	349.1	145.5	28.7	3.0	0.4	0.0	0.8	0.2%	0.7	0.2%	0.4	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	1	3	69.6	414.7	349.5	145.7	28.9	2.6	0.4	69.6	415.4	350.2	146.0	28.9	2.6	0.4	0.0	0.6	0.2%	0.7	0.2%	0.3	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	1	4	71.2	416.7	343.6	148.1	28.9	2.5	0.4	71.2	417.3	344.2	148.3	28.9	2.5	0.4	0.0	0.6	0.2%	0.6	0.2%	0.2	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	1	5	73.1	425.1	339.7	147.5	24.8	3.1	0.5	73.8	425.7	340.4	147.6	25.0	3.3	0.5	0.7	0.7	0.2%	0.6	0.2%	0.1	0.0%	0.2	0.8%	0.2	6.6%	0.0	5.7%
17	KAIBAB17	1	6	74.3	422.4	341.3	151.7	29.5	4.3	0.9	74.3	423.1	341.8	151.8	29.3	4.1	0.9	0.0	0.7	0.2%	0.4	0.1%	0.1	0.1%	-0.2	-0.7%	-0.2	-4.8%	0.0	0.0%
17	KAIBAB17	1	7	74.3	424.4	347.2	161.5	31.4	4.1	0.9	74.3	424.8	347.3	161.4	31.5	4.1	0.9	0.0	0.4	0.1%	0.1	0.0%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	1	8	73.4	436.6	348.5	161.0	24.4	3.1	1.0	73.4	437.2	348.5	161.1	24.4	3.1	1.0	0.0	0.6	0.1%	0.0	0.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	1	73.3	413.5	333.7	141.4	19.2	2.8	1.0	73.3	414.2	334.2	141.7	19.2	2.8	1.0	0.0	0.7	0.2%	0.5	0.1%	0.3	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	2	71.8	419.7	341.4	153.3	23.0	2.9	0.8	71.8	420.4	342.0	153.6	23.0	2.9	0.8	0.0	0.7	0.2%	0.7	0.2%	0.3	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	3	71.0	409.5	344.9	148.7	24.4	3.1	0.4	71.0	410.1	345.7	148.7	24.5	3.1	0.4	0.0	0.6	0.1%	0.7	0.2%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	4	71.4	406.8	344.4	145.0	24.9	2.9	0.4	71.4	407.4	345.0	145.2	25.1	2.9	0.4	0.0	0.6	0.1%	0.6	0.2%	0.2	0.1%	0.2	0.8%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	5	71.9	415.8	337.3	153.9	28.8	3.1	0.4	71.9	416.5	337.9	153.9	29.0	3.1	0.4	0.0	0.7	0.2%	0.6	0.2%	0.0	0.0%	0.2	0.7%	0.0	0.9%	0.0	0.0%
17	KAIBAB17	2	6	73.7	419.5	311.0	160.3	31.3	4.5	1.7	73.7	420.0	311.1	160.2	31.1	4.3	1.5	0.0	0.5	0.1%	0.1	0.0%	-0.1	-0.1%	-0.2	-0.6%	-0.2	-4.5%	-0.2	-11.9%
17	KAIBAB17	2	7	74.6	410.0	312.2	159.8	30.0	3.4	0.9	74.6	410.4	312.1	159.6	30.1	3.4	0.9	0.0	0.4	0.1%	-0.1	0.0%	-0.2	-0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	2	8	74.3	420.8	318.9	169.0	23.1	3.2	0.9	74.3	421.5	318.8	168.8	23.1	3.2	0.9	0.0	0.7	0.2%	-0.1	0.0%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	1	73.9	407.2	325.4	141.6	20.0	3.3	1.0	73.9	407.9	325.9	141.6	20.0	3.3	1.0	0.0	0.7	0.2%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	2	73.0	408.2	331.3	146.3	19.7	3.3	1.4	73.0	409.0	332.0	146.4	19.7	3.3	1.4	0.0	0.7	0.2%	0.7	0.2%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	3	71.4	409.3	330.7	157.2	24.9	3.3	1.5	71.4	409.8	331.4	157.4	24.9	3.3	1.5	0.0	0.5	0.1%	0.7	0.2%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	4	71.6	400.9	329.2	151.8	28.4	3.2	0.5	71.6	401.5	329.5	152.0	28.6	3.4	0.5	0.0	0.6	0.2%	0.3	0.1%	0.3	0.2%	0.2	0.7%	0.2	6.3%	0.0	0.0%
17	KAIBAB17	3	5	71.1	403.2	316.8	161.5	25.5	2.9	0.4	71.1	403.7	316.8	161.6	25.7	2.9	0.4	0.0	0.6	0.1%	0.0	0.0%	0.0	0.0%	0.2	0.8%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	6	78.2	416.3	306.5	154.6	28.0	4.2	0.9	79.4	416.7	306.6	154.4	27.8	4.0	0.9	1.2	0.5	0.1%	0.1	0.0%	-0.2	-0.1%	-0.2	-0.7%	-0.2	-4.8%	0.0	-3.1%
17	KAIBAB17	3	7	73.9	412.6	298.7	144.0	25.2	3.2	0.3	73.9	412.7	298.5	143.8	25.2	3.2	0.3	0.0	0.1	0.0%	-0.3	-0.1%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	8	74.5	405.4	309.4	150.4	23.9	3.2	0.7	74.5	406.0	309.2	150.1	23.9	3.2	0.7	0.0	0.6	0.1%	-0.2	-0.1%	-0.3	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	1	73.8	410.2	306.3	143.6	20.9	3.1	0.9	73.8	410.8	306.8	143.6	20.9	3.1	0.9	0.0	0.7	0.2%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	2	73.8	409.6	309.7	151.7	22.2	3.2	1.7	73.8	410.1	310.2	151.7	22.2	3.2	1.7	0.0	0.5	0.1%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1	(white)	< -0.1	(white)
+0.1 to +1.0	(light yellow)	-0.1 to -1.0	(light cyan)
+1.1 to +5.0	(yellow)	-1.1 to -5.0	(light blue)
+5.1 to +10.0	(orange)	-5.1 to -10.0	(cyan)
> +10.0	(red)	> -10.0	(blue)

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
17	KAIBAB17	4	3	72.7	413.2	309.1	161.1	25.3	3.0	1.4	72.7	413.7	309.6	161.4	25.3	3.0	1.4	0.0	0.5	0.1%	0.5	0.2%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	4	70.9	410.8	315.1	145.8	26.4	3.1	0.3	76.2	411.3	315.2	146.0	26.6	3.3	0.3	5.3	0.6	0.1%	0.0	0.0%	0.2	0.2%	0.2	0.8%	0.2	6.6%	0.0	0.0%
17	KAIBAB17	4	5	71.5	399.7	302.2	141.2	22.4	2.8	0.3	71.5	400.1	302.2	141.2	22.4	2.8	0.3	0.0	0.5	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	6	72.0	398.2	296.0	140.6	24.9	4.2	1.0	72.0	398.0	296.0	140.5	24.7	4.0	0.9	0.0	-0.1	0.0%	0.0	0.0%	-0.1	-0.1%	-0.2	-0.8%	-0.2	-4.9%	0.0	-2.9%
17	KAIBAB17	4	7	72.6	403.5	290.8	142.6	24.5	3.2	0.4	72.6	403.4	290.4	142.4	24.5	3.2	0.4	0.0	-0.1	0.0%	-0.4	-0.1%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	8	74.0	396.6	295.0	143.7	24.1	2.9	0.7	74.0	396.9	294.7	143.5	24.1	2.9	0.7	0.0	0.3	0.1%	-0.4	-0.1%	-0.3	-0.2%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	1	73.2	409.2	292.9	132.3	20.4	3.3	0.9	73.2	409.8	293.3	132.3	20.4	3.3	0.9	0.0	0.6	0.1%	0.4	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	2	73.9	410.3	290.4	135.4	23.0	3.1	0.9	73.9	410.7	290.6	135.4	23.0	3.1	0.9	0.0	0.4	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	3	73.6	409.1	288.7	140.8	17.4	3.2	0.8	73.6	409.4	288.7	141.1	17.6	3.2	0.8	0.0	0.3	0.1%	0.0	0.0%	0.2	0.2%	0.2	1.2%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	4	72.3	405.4	296.6	148.2	23.6	3.1	0.8	72.3	405.8	296.6	148.4	23.8	3.3	0.8	0.0	0.4	0.1%	0.0	0.0%	0.2	0.2%	0.2	0.9%	0.2	6.6%	0.0	0.0%
17	KAIBAB17	5	5	72.3	399.3	297.7	142.5	23.0	3.1	0.4	72.3	399.0	297.7	142.5	23.0	3.1	0.4	0.0	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	6	72.3	397.4	298.7	138.5	23.0	3.9	0.3	72.3	397.2	298.4	138.3	22.8	3.7	0.3	0.0	-0.2	-0.1%	-0.3	-0.1%	-0.2	-0.2%	-0.2	-0.9%	-0.2	-5.3%	0.0	0.0%
17	KAIBAB17	5	7	72.2	392.6	292.1	135.9	21.7	2.6	0.3	72.2	392.5	291.7	135.7	21.7	2.6	0.3	0.0	-0.1	0.0%	-0.5	-0.2%	-0.2	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	8	73.4	390.4	284.6	137.4	21.6	3.0	0.4	73.4	390.5	284.1	137.1	21.6	3.0	0.4	0.0	0.1	0.0%	-0.4	-0.2%	-0.3	-0.2%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	1	72.4	393.9	279.6	138.1	16.4	2.8	0.9	72.4	394.4	279.8	138.1	16.4	2.8	0.9	0.0	0.5	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	2	73.5	392.2	279.4	139.2	17.5	2.9	1.0	73.5	392.5	279.6	139.4	17.5	2.9	1.0	0.0	0.3	0.1%	0.2	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	3	74.0	395.7	293.0	141.2	18.8	2.9	0.9	74.0	395.9	293.0	141.5	19.0	2.9	0.9	0.0	0.2	0.1%	0.0	0.0%	0.2	0.2%	0.2	1.1%	0.0	1.0%	0.0	0.0%
17	KAIBAB17	6	4	73.4	389.4	296.5	151.1	20.5	2.8	0.8	73.4	389.3	296.5	151.3	20.7	2.8	0.8	0.0	0.0	0.0%	0.0	0.0%	0.2	0.1%	0.2	1.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	5	71.9	387.3	305.5	147.8	21.8	2.7	0.8	71.9	387.0	305.5	147.6	21.6	2.7	0.8	0.0	-0.2	-0.1%	0.0	0.0%	-0.2	-0.1%	-0.2	-0.9%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	6	71.0	385.1	310.3	147.1	22.4	3.8	0.3	71.0	384.9	310.0	146.8	22.2	3.6	0.3	0.0	-0.2	-0.1%	-0.3	-0.1%	-0.2	-0.1%	-0.2	-0.9%	-0.2	-5.3%	0.0	0.0%
17	KAIBAB17	6	7	71.4	391.4	302.4	130.6	21.2	2.6	0.3	71.4	391.2	301.9	130.1	21.2	2.6	0.3	0.0	-0.2	-0.1%	-0.5	-0.2%	-0.5	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	6	8	71.9	384.3	296.8	126.2	22.3	3.5	0.4	71.9	384.4	296.3	125.9	22.1	3.3	0.4	0.0	0.1	0.0%	-0.5	-0.2%	-0.3	-0.2%	-0.3	-1.2%	-0.3	-7.7%	0.0	0.0%
28	KAIBAB28	1	1	72.4	393.4	280.4	138.2	16.4	2.8	0.9	72.4	393.9	280.6	138.2	16.4	2.8	0.9	0.0	0.5	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	1	2	73.5	393.2	279.6	139.2	17.6	2.9	1.0	73.5	393.5	279.8	139.4	17.6	2.9	1.0	0.0	0.3	0.1%	0.2	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	1	3	74.0	395.7	298.5	141.3	18.7	2.9	1.0	74.0	396.0	298.5	141.5	18.9	3.1	1.0	0.0	0.2	0.1%	0.0	0.0%	0.2	0.1%	0.2	1.1%	0.2	7.0%	0.0	0.0%
28	KAIBAB28	1	4	73.4	389.7	296.6	151.1	20.3	2.8	0.8	73.4	389.7	296.6	151.3	20.5	2.8	0.8	0.0	0.0	0.0%	0.0	0.0%	0.2	0.1%	0.2	1.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	1	5	71.9	386.8	306.7	148.0	21.8	2.7	0.8	71.9	386.5	306.7	147.9	21.6	2.7	0.8	0.0	-0.2	-0.1%	0.0	0.0%	-0.2	-0.1%	-0.2	-0.9%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	1	6	71.1	385.1	310.1	147.0	22.2	3.4	0.3	71.1	384.9	309.8	146.8	22.0	3.2	0.3	0.0	-0.2	-0.1%	-0.3	-0.1%	-0.2	-0.1%	-0.2	-0.9%	-0.2	-6.0%	0.0	0.0%
28	KAIBAB28	1	7	71.5	391.4	302.4	128.5	21.1	2.6	0.3	71.5	391.2	302.0	128.0	21.1	2.6	0.3	0.0	-0.2	-0.1%	-0.5	-0.2%	-0.5	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	1	8	71.9	389.8	297.2	125.6	22.5	3.4	0.4	71.9	389.9	296.7	125.3	22.2	3.2	0.4	0.0	0.1	0.0%	-0.5	-0.2%	-0.3	-0.2%	-0.3	-1.2%	-0.3	-8.0%	0.0	0.0%
28	KAIBAB28	2	1	72.7	370.7	279.0	131.1	15.8	2.6	0.9	72.7	370.9	279.2	131.1	15.8	2.6	0.9	0.0	0.2	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	2	2	72.6	376.4	287.3	133.2	15.6	2.4	0.9	72.6	376.4	287.5	133.4	15.6	2.4	0.9	0.0	0.0	0.0%	0.2	0.1%	0.2	0.2%	0.0	0.2%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	2	3	73.8	377.4	294.1	129.1	17.5	2.8	0.9	73.8	377.4	294.1	129.3	17.7	3.0	0.9	0.0	0.0	0.0%	0.0	0.0%	0.2	0.2%	0.2	1.2%	0.2	7.2%	0.0	0.0%
28	KAIBAB28	2	4	74.0	376.8	297.9	133.7	15.7	2.9	0.8	74.0	376.8	297.8	133.8	15.7	2.9	0.8	0.0	0.0	0.0%	0.0	0.0%	0.2	0.1%	0.0	0.2%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	2	5	73.1	381.3	297.6	134.2	22.3	2.8	0.8	73.1	381.0	297.6	134.0	22.1	2.8	0.8	0.0	-0.3	-0.1%	0.0	0.0%	-0.2	-0.1%	-0.2	-0.9%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	2	6	71.4	381.2	307.9	122.8	22.0	3.0	0.4	71.4	381.0	307.4	122.6	21.8	3.0	0.4	0.0	-0.3	-0.1%	-0.5	-0.2%	-0.2	-0.2%	-0.2	-0.9%	0.0	-1.0%	0.0	0.0%
28	KAIBAB28	2	7	71.0	375.7	305.0	107.9	20.7	2.5	0.3	71.0	375.4	304.5	107.4	20.7	2.5	0.3	0.0	-0.3	-0.1%	-0.5	-0.2%	-0.5	-0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	2	8	70.9	381.8	304.7	108.3	21.5	4.1	0.3	77.3	381.9	304.2	108.0	21.3	3.8	0.3	6.4	0.0	0.0%	-0.5	-0.2%	-0.3	-0.3%	-0.3	-1.3%	-0.3	-6.7%	0.0	0.0%
28	KAIBAB28	3	1	73.0	368.3	270.0	118.9	13.8	2.3	0.9	73.0	368.5	270.1	119.0	13.8	2.3	0.9	0.0	0.2	0.1%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	3	2	71.2	379.9	281.2	125.5	14.7	2.4	0.9	71.2	379.8	281.4	125.7	14.9	2.4	0.9	0.0	0.0	0.0%	0.2	0.1%	0.2	0.2%	0.2	1.4%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	3	3	72.9	381.6	285.9	115.7	14.7	2.3	0.9	72.9	381.6	285.9	115.9	14.9	2.5	0.9	0.0	0.0	0.0%	0.0	0.0%	0.2	0.2%	0.2	1.4%	0.2	8.9%	0.0	0.0%
28	KAIBAB28	3	4	73.9	384.1	292.5	110.0	15.8	2.6	0.9	73.9	383.8	292.5	110.0	15.8	2.6	0.9	0.0	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	3	5	73.8	385.4	298.8	118.6	21.9	2.7	0.8	73.8	385.0	298.6	118.4	21.7	2.7	0.8	0.0	-0.3	-0.1%	-0.3	-0.1%	-0.2	-0.2%	-0.2	-0.9%	0.0	-1.1%	0.0	0.0%
28	KAIBAB28	3	6	72.7	382.0	304.5	108.2	22.5	2.7	0.8	72.7	381.8	304.0	107.9	22.3	2.7	0.8	0.0	-0.3	-0.1%	-0.5	-0.2%	-0.2	-0.2%	-0.2	-0.9%	0.0	-1.0%	0.0	0.0%
28	KAIBAB28	3	7	71.0	382.6	311.0	107.9	22.1	2.8	0.3	71.0	382.2	310.5	107.4	21.9	2.8	0.3	0.0	-0.5	-0.1%	-0.5	-0.2%	-0.5	-0.5%	-0.3	-1.2%	0.0	0.0%	0.0	0.0%
28	KAIBAB28	3	8	69.5	384.2	302.0	99.2	21.1	3.2	0.2	69.5	384.2	301.4	98.9	20.9	2.9	0.2	0.0	0.0	0.0%	-0.5	-0.2%	-0.3	-0.3%	-0.3	-1.3%	-0.3	-8.6%	0.0	0.0%
Kaibab National Forest																														
25	KAIFST25	1	3	71.6	357.8	251.4	131.0	27.9	2.9	0.6	71.6	357.8	251.4	131.0	27.9	2.9	0.6	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	1	4	71.5	352.0	255.9	130.0	21.3	3.7	0.7	71.5	352.0	255.9	130.0	21.3	3.7	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	2	3	70.3	364.3	266.7	108.7	23.3	2.8	0.5	70.3	364.3	266.7	108.7	23.3	2.8	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	9	1	70.7	351.4	260.3	131.5	28.0	5.1	1.3	70.7	351.4	260.3	131.5	28.0	5.1	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	9	2	70.3	350.7	263.8	127.6	27.5	5.1	0.7	70.3	350.6	263.8	127.6	27.5	5.1	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	10	1	70.9	353.2	256.8	136.8	26.1	4.6	1.4	70.9	353.2	256.8	136.8	26.1	4.6	1.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	10	2	71.0	358.3	255.8	131.0	28.5	4.8	0.7	71.0	358.3	255.8	131.0	28.5	4.8	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	11	1	71.8	354.1	247.8	144.2	25.6	2.7	1.3	71.8	354.1	247.8	144.2	25.6	2.7	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
24	SOUTH24	11	2	71.7	354.6	242.2	135.3	27.6	3.0	1.3	71.7	354.6	242.2	135.3	27.6	3.0	1.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Kanab Creek Wilderness																														
25	KAIFST25	1	4	71.5	352.0	255.9	130.0	21.3	3.7	0.7	71.5	352.0	255.9	130.0	21.3	3.7	0.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	1	5	71.4	351.0	255.4	109.0	16.7	3.2	0.5	71.4	351.0	255.4	109.0	16.7	3.2	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	1	6	71.7	359.4	258.6	102.9	15.6	3.1	0.2	71.7	359.4	258.6	102.9	15.6	3.1	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	2	3	70.3	364.3	266.7	108.7	23.3	2.8	0.5	70.3	364.3	266.7	108.7	23.3	2.8	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	2	4	69.6	361.9	268.9	107.4	20.6	2.5	0.5	69.6	361.9	268.9	107.4	20.6	2.5	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	2	5	69.1	361.2	267.1	105.4	19.5	2.7	0.5	69.1	361.2	267.1	105.4	19.5	2.7	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	2	6	70.4	364.3	273.3	105.3	15.8	2.9	0.5	70.4	364.3	273.3	105.3	15.8	2.9	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	3	3	70.4	362.4	274.5	111.5	20.9	2.5	0.5	70.4	362.4	274.5	111.5	20.9	2.5	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	3	4	70.1	361.2	267.3	103.8	19.4	2.8	0.5	70.1	361.2	267.3	103.8	19.4	2.8	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	3	5	70.2	356.6	267.0	102.5	18.9	3.3	0.6	70.2	356.6	267.0	102.5	18.9	3.3	0.6	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
25	KAIFST25	3	6	71.2	354.7	268.7	105.2	17.4	3.0	0.5	71.2	354.7	268.7	105.2	17.4	3.0	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	2	1	73.2	358.5	252.9	121.9	21.4	3.0	0.4	73.2	358.5	252.9	121.9	21.4	3.0	0.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	2	2	73.9	375.0	259.0	121.1	21.7	3.0	0.3	73.9	375.0	259.0	121.1	21.7	3.0	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	3	1	71.8	357.5	255.0	103.8	15.6	3.1	0.2	71.8	357.5	255.0	103.8	15.6	3.1	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	3	2	73.5	353.5	253.0	98.2	15.9	2.7	0.2	73.5	353.5	253.0	98.2	15.9	2.7	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	4	1	70.3	364.4	273.7	105.5	15.8	2.9	0.5	70.3	364.4	273.7	105.5	15.8	2.9	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	4	2	72.5	360.5	263.0	100.6	15.8	2.8	0.3	72.5	360.5	263.0	100.6	15.8	2.8	0.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	5	1	71.2	354.8	268.5	105.2	17.4	3.0	0.5	71.2	354.8	268.5	105.2	17.4	3.0	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
26	KANCRK26	5	2	71.5	359.6	271.6	107.2	14.2	3.1	0.2	71.5	359.6	271.6	107.2	14.2	3.1	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	1	1	71.4	363.3	266.3	105.7	14.4	2.9	0.2	71.4	363.3	266.3	105.7	14.4	2.9	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	1	2	73.5	355.8	262.6	107.9	14.5	3.1	0.2	73.5	355.8	262.6	107.9	14.5	3.1	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	1	3	74.2	361.0	259.6	109.6	14.6	3.2	0.2	74.2	361.0	259.6	109.6	14.6	3.2	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	1	4	73.7	363.1	249.8	116.8	14.4	2.7	0.2	73.7	363.1	249.8	116.8	14.4	2.7	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	2	1	71.3	363.3	256.9	111.7	14.4	3.1	0.5	71.3	363.3	256.9	111.7	14.4	3.1	0.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	2	2	71.9	356.4	251.9	114.1	14.8	3.1	0.2	71.9	356.4	251.9	114.1	14.8	3.1	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	2	3	73.2	366.9	252.9	101.5	13.8	3.2	0.2	73.2	366.9	252.9	101.5	13.8	3.2	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
27	KANCRK27	2	4	74.0	362.0	239.8	102.3	13.9	2.8	0.2	74.0	362.0	239.8	102.3	13.9	2.8	0.2	0.0	0.0	0.0%	-0.3	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Lake Mead National Recreation Area																														
46	LKMEAD46	1	1	73.7	799.5	616.4	292.0	48.2	11.0	6.3	73.7	799.1	616.1	292.0	48.2	11.0	6.3	0.0	-0.4	-0.1%	-0.4	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	1	2	73.7	761.7	638.8	303.5	50.0	11.3	7.4	73.7	761.3	638.3	303.6	50.0	11.3	7.4	0.0	-0.4	-0.1%	-0.1	-0.1%	-0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	2	1	73.1	791.9	616.5	271.7	45.8	10.9	5.7	73.1	791.5	616.3	271.6	45.7	10.9	5.7	0.0	-0.4	-0.1%	-0.6	0.0%	0.0	0.0%	0.0	-0.2%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	2	2	73.6	783.4	609.4	288.0	48.9	11.5	6.3	73.6	782.8	608.8	288.0	48.9	11.5	6.3	0.0	-0.6	-0.1%	-0.5	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	2	3	73.5	762.6	615.9	295.0	49.4	11.3	7.2	73.5	762.2	615.4	295.0	49.4	11.3	7.2	0.0	-0.4	-0.1%	-0.6	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1		< -0.1	
+0.1 to +1.0		-0.1 to -1.0	
+1.1 to +5.0		-1.1 to -5.0	
+5.1 to +10.0		-5.1 to -10.0	
> +10.0		> -10.0	

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
46	LKMEAD46	2	4	73.0	762.8	623.3	305.6	52.5	10.7	7.1	73.0	761.9	622.8	305.7	52.5	10.7	7.1	0.0	-0.9	-0.1%	0.0	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	3	1	72.0	800.4	612.1	269.9	50.5	11.4	4.3	72.0	800.1	612.1	269.9	50.5	11.4	4.3	0.0	-0.2	0.0%	-0.2	0.0%	0.0	0.0%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	3	2	73.2	788.0	607.1	279.4	49.2	10.8	5.7	73.2	787.5	606.9	279.3	49.1	10.8	5.7	0.0	-0.4	-0.1%	-0.5	0.0%	-0.1	0.0%	0.0	-0.3%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	3	3	73.7	755.5	609.2	285.0	51.6	11.2	5.6	73.7	755.0	608.8	284.9	51.6	11.2	5.6	0.0	-0.5	-0.1%	-0.4	-0.1%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	3	4	73.6	762.7	615.8	296.0	50.4	11.0	7.2	73.6	760.8	615.3	296.1	50.4	11.0	7.2	0.0	-1.9	-0.2%	0.0	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
46	LKMEAD46	4	1	72.9	795.0	585.1	250.4	53.3	10.0	4.7	72.9	794.8	585.1	250.4	53.4	10.0	4.7	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	-0.2%	0.0	0.0%
47	LKMEAD47	1	1	71.9	820.3	637.4	263.6	50.3	13.6	4.4	71.9	820.3	637.4	263.6	50.3	13.6	4.4	0.0	0.0	0.0%	-0.1	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	1	2	72.3	806.6	606.3	276.2	47.7	14.7	5.2	72.3	806.4	606.2	276.3	47.7	14.7	5.2	0.0	-0.2	0.0%	-0.1	0.0%	0.1	0.0%	0.0	0.1%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	1	3	73.2	814.7	617.1	272.5	48.8	10.8	5.8	73.2	814.2	617.0	272.6	48.8	10.8	5.8	0.0	-0.4	-0.1%	-0.3	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	1	4	73.7	799.6	616.9	292.5	48.3	11.0	6.3	73.7	799.2	616.7	292.5	48.3	11.0	6.3	0.0	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	2	1	73.0	815.8	614.8	262.0	50.2	13.1	4.5	73.0	815.8	614.8	262.1	50.2	13.1	4.5	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	2	2	72.1	815.8	591.9	266.9	50.7	14.8	4.3	72.1	815.8	591.9	266.9	50.7	14.8	4.3	0.0	0.0	0.0%	0.0	0.0%	-0.1	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	2	3	72.1	796.3	606.0	275.5	48.4	14.8	5.1	72.1	796.0	606.0	275.4	48.5	14.8	5.1	0.0	-0.3	0.0%	-0.1	0.0%	-0.1	0.0%	-0.1	0.2%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	2	4	73.1	792.7	617.3	270.2	45.7	10.9	5.7	73.1	792.2	617.2	270.2	45.6	10.9	5.7	0.0	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	-0.2%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	3	1	73.6	793.6	593.1	237.2	46.2	11.8	4.6	73.6	793.5	593.2	237.1	46.2	11.8	4.6	0.0	-0.1	0.0%	-0.1	0.0%	0.1	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	3	2	73.3	814.4	604.8	245.4	50.7	12.2	4.3	73.3	814.4	604.8	245.4	50.6	12.2	4.3	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	-0.1	-0.2%	0.0	-0.1%	0.0	0.0%
47	LKMEAD47	3	3	72.5	786.2	598.1	272.7	53.1	14.5	4.6	72.5	786.1	598.1	272.8	53.0	14.5	4.6	0.0	-0.1	0.0%	0.0	0.0%	-0.1	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	3	4	72.1	800.2	612.3	269.9	50.5	11.4	4.3	72.1	800.0	612.3	269.8	50.5	11.4	4.3	0.0	-0.2	0.0%	0.1	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	4	1	73.5	796.2	611.3	232.5	41.4	10.9	4.9	73.5	796.2	611.4	232.5	41.4	10.9	4.9	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	4	2	73.7	803.1	587.0	244.1	42.5	10.9	4.9	73.7	803.0	587.0	244.1	42.5	10.9	4.9	0.0	-0.1	0.0%	-0.1	0.0%	0.1	0.0%	-0.1	-0.1%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	4	3	73.5	832.3	585.8	239.5	44.4	12.0	4.8	73.5	832.3	585.7	239.6	44.3	12.0	4.8	0.0	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	-0.2%	0.0	-0.2%	0.0	0.0%
47	LKMEAD47	4	4	72.8	795.2	585.0	252.6	53.4	10.0	4.7	72.8	795.0	585.0	252.6	53.5	10.0	4.7	0.0	-0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	-0.2%	0.0	0.0%
47	LKMEAD47	5	3	73.9	814.1	598.2	244.2	40.0	11.4	5.0	73.9	814.1	598.2	244.2	40.0	11.4	5.0	0.0	0.0	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	-0.1%	0.0	0.0%
La Varkin Creek WSA																														
19	ZION19	1	2	71.3	347.0	251.7	104.6	20.8	2.5	0.3	71.3	338.6	244.0	102.9	20.8	2.4	0.3	0.0	-8.4	-2.4%	-7.7	-3.1%	-1.7	-1.6%	0.1	0.3%	-0.1	-3.0%	0.0	-7.5%
19	ZION19	1	3	69.9	343.2	242.0	88.6	20.6	2.5	0.3	69.9	334.7	233.8	87.7	20.5	2.5	0.3	0.0	-8.5	-2.5%	-8.2	-3.4%	-0.8	-1.0%	-0.1	-0.4%	0.0	0.0%	0.0	0.0%
Lime Canyon WSA																														
47	LKMEAD47	4	1	73.5	796.2	611.3	232.5	41.4	10.9	1.8	73.5	796.2	611.4	232.5	41.4	10.9	1.8	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	-0.1	0.0%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	4	2	73.7	803.1	587.0	244.1	42.5	10.9	1.7	73.7	803.0	587.0	244.1	42.5	10.9	1.7	0.0	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.1	-0.1%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	5	1	72.8	808.7	597.1	250.9	42.2	10.1	1.5	72.8	808.9	597.1	250.9	42.3	10.1	1.5	0.0	0.1	0.0%	0.2	0.0%	0.0	0.0%	0.0	0.2%	0.0	0.0%	0.0	0.0%
47	LKMEAD47	5	2	73.4	802.2	558.2	232.5	39.3	10.9	1.4	73.4	802.2	558.5	232.5	39.3	10.9	1.4	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.0%
47	LKMEAD47	6	1	71.7	861.4	612.0	255.0	41.8	10.0	1.7	71.7	861.4	612.0	255.0	41.8	10.0	1.7	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Moquith Mountains WSA																														
17	KAIBAB17	4	7	72.6	403.5	290.8	142.6	24.5	3.2	0.4	72.6	403.4	290.4	142.4	24.5	3.2	0.4	0.0	-0.1	0.0%	-0.5	-0.1%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	5	7	72.2	392.6	292.1	135.9	21.7	2.6	0.3	72.2	392.5	291.7	135.7	21.7	2.6	0.3	0.0	-0.1	0.0%	0.3	-0.2%	-0.3	-0.2%	-0.3	0.0%	-0.3	0.0%	0.0	0.0%
29	MOQMTN29	1	1	73.5	393.8	291.2	138.7	23.4	3.0	0.4	73.5	394.0	290.8	138.5	23.1	3.0	0.4	0.0	0.1	0.0%	-0.3	-0.1%	-0.3	-0.2%	-0.3	-1.2%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	1	2	74.5	391.5	297.9	139.8	18.9	3.7	0.7	74.5	392.2	298.2	139.5	18.6	3.5	0.7	0.0	0.8	0.2%	0.9	0.1%	0.0	-0.2%	0.0	-1.5%	0.0	-7.4%	0.0	0.0%
29	MOQMTN29	1	3	74.5	407.9	299.3	135.1	24.6	3.0	0.9	74.5	409.2	300.2	135.1	24.6	3.0	0.9	0.0	1.4	0.3%	-0.4	0.3%	-0.3	0.0%	-0.3	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	2	1	72.5	391.9	283.4	124.3	22.4	2.7	0.4	72.5	392.0	283.1	124.0	22.2	2.7	0.4	0.0	0.1	0.0%	0.2	-0.1%	-0.3	-0.2%	-0.3	-1.2%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	2	2	74.2	388.7	295.8	127.6	23.7	2.9	0.3	74.2	389.6	296.1	127.3	23.4	2.9	0.3	0.0	0.8	0.2%	0.8	0.1%	0.0	-0.2%	0.0	-1.2%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	2	3	74.9	392.6	307.2	119.9	17.9	2.8	0.8	74.9	393.8	308.0	119.9	17.9	2.8	0.8	0.0	1.3	0.3%	1.5	0.3%	1.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	2	4	74.4	403.1	299.8	128.3	26.9	2.6	0.8	74.4	404.8	301.2	129.3	26.9	2.6	0.8	0.0	1.7	0.4%	-0.5	0.5%	-0.3	0.8%	-0.3	0.0%	-0.3	0.0%	0.0	0.0%
29	MOQMTN29	3	1	71.4	384.3	305.5	108.4	22.0	4.2	0.3	71.4	384.3	305.0	108.1	21.7	4.0	0.3	0.0	0.1	0.0%	0.2	-0.2%	-0.3	-0.2%	0.0	-1.2%	0.0	-6.5%	0.0	0.0%
29	MOQMTN29	3	2	72.8	382.4	297.6	109.2	21.0	3.0	0.3	72.8	383.1	297.7	108.9	21.0	3.0	0.3	0.0	0.8	0.2%	0.8	0.1%	0.0	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	3	3	74.3	377.6	305.7	113.5	16.9	2.8	0.7	74.3	378.9	306.5	113.5	16.9	2.8	0.7	0.0	1.3	0.3%	1.6	0.3%	1.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	3	4	74.7	381.6	307.2	112.4	25.8	2.5	0.9	74.7	383.2	308.7	113.4	25.8	2.5	0.9	0.0	1.6	0.4%	1.9	0.5%	0.5	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	3	5	73.9	394.6	298.3	119.6	28.9	4.7	0.9	73.9	396.5	300.2	120.2	28.9	4.7	0.9	0.0	1.9	0.5%	-0.5	0.6%	-0.3	0.5%	-0.3	0.0%	-0.3	0.0%	0.0	0.0%
29	MOQMTN29	4	1	70.3	385.8	302.7	101.5	21.4	4.0	0.3	73.8	385.8	302.2	101.2	21.1	3.7	0.3	3.5	0.0	0.0%	0.2	-0.2%	-0.3	-0.3%	0.0	-1.3%	0.0	-6.9%	0.0	0.0%
29	MOQMTN29	4	2	71.1	383.8	292.7	102.9	21.0	2.6	0.2	71.1	384.4	292.9	102.6	21.0	2.6	0.2	0.0	0.6	0.2%	0.7	0.1%	0.0	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
29	MOQMTN29	4	3	73.2	385.4	280.4	108.9	20.0	2.7	0.2	73.2	386.6	281.1	108.9	20.0	2.7	0.2	0.0	1.2	0.3%	-0.5	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Morman Mountains WSA																														
45	WEST45	1	1	71.3	460.9	325.2	118.2	16.3	5.2	0.2	71.3	458.7	324.7	118.2	16.3	5.2	0.2	0.0	-2.1	-0.5%	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	2	72.2	436.2	311.7	87.3	13.1	5.0	0.2	72.2	434.0	311.2	87.3	13.1	5.0	0.2	0.0	-2.1	-0.5%	-0.3	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	3	73.5	380.7	272.3	81.9	12.3	3.8	0.2	73.5	378.6	272.0	81.9	12.3	3.8	0.2	0.0	-2.1	-0.6%	-0.2	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	4	73.3	357.0	232.8	65.5	11.6	3.1	0.2	73.3	354.9	232.6	65.5	11.6	3.1	0.2	0.0	-2.1	-0.6%	0.0	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	5	74.5	328.4	214.0	64.5	11.7	3.1	0.2	74.5	326.0	214.0	64.5	11.7	3.1	0.2	0.0	-2.3	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	6	74.6	287.0	206.6	53.5	10.5	2.9	0.2	74.6	285.1	206.6	53.5	10.5	2.9	0.2	0.0	-1.9	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	7	74.8	272.4	193.3	50.7	7.9	2.2	0.2	74.8	270.4	193.3	50.7	7.9	2.2	0.2	0.0	-2.0	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	8	74.4	259.3	176.9	37.4	7.1	2.2	0.2	74.4	258.6	176.9	37.4	7.1	2.2	0.2	0.0	-0.7	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	9	73.0	244.0	156.7	32.4	6.6	2.1	0.2	73.0	243.3	156.7	32.4	6.6	2.1	0.2	0.0	-0.6	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	10	71.7	234.7	136.8	27.3	6.3	2.1	0.1	71.7	233.7	136.8	27.3	6.3	2.1	0.1	0.0	-1.0	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	1	11	70.6	218.8	129.3	23.4	6.2	2.1	0.1	70.6	218.5	129.3	23.4	6.2	2.1	0.1	0.0	-0.3	-0.1%	-1.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	2	71.8	459.9	330.0	125.1	16.0	5.2	0.2	71.8	458.4	328.6	125.1	16.0	5.2	0.2	0.0	-1.6	-0.3%	-1.3	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	3	73.2	423.9	312.3	90.7	15.0	5.0	0.2	73.2	422.3	311.0	90.7	15.0	5.0	0.2	0.0	-1.5	-0.4%	-1.2	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	4	73.2	407.7	286.2	82.3	12.1	3.1	0.2	73.2	406.2	285.0	82.3	12.1	3.1	0.2	0.0	-1.5	-0.4%	-1.2	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	5	72.5	364.9	236.0	79.6	12.2	2.9	0.2	72.5	363.3	234.9	79.6	12.2	2.9	0.2	0.0	-1.5	-0.4%	-0.3	-0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	6	73.6	348.0	217.4	64.5	11.7	2.7	0.2	73.6	346.5	217.1	64.5	11.7	2.7	0.2	0.0	-1.5	-0.4%	0.0	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	7	74.4	312.3	208.2	52.3	10.1	2.5	0.2	74.4	310.8	208.2	52.3	10.1	2.5	0.2	0.0	-1.5	-0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	8	74.5	279.6	193.6	51.4	9.8	2.2	0.2	74.5	278.3	193.6	51.4	9.8	2.2	0.2	0.0	-1.3	-0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	9	74.0	270.4	181.8	45.1	7.4	2.2	0.2	74.0	268.4	181.8	45.1	7.4	2.2	0.2	0.0	-2.0	-0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	2	10	73.2	245.6	172.9	31.6	6.6	2.1	0.2	73.2	243.7	172.9	31.6	6.6	2.1	0.2	0.0	-2.0	-0.8%	-1.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	3	6	72.1	388.5	240.8	81.5	11.9	2.7	0.2	72.1	387.0	239.8	81.5	11.9	2.7	0.2	0.0	-1.5	-0.4%	-1.1	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	3	7	73.2	339.3	220.4	65.7	11.6	2.6	0.2	73.2	337.8	219.3	65.7	11.6	2.6	0.2	0.0	-1.5	-0.5%	-0.3	-0.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	3	8	74.0	321.2	200.2	54.0	10.4	2.4	0.2	74.0	319.6	199.9	54.0	10.4	2.4	0.2	0.0	-1.6	-0.5%	0.0	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
45	WEST45	3	9	74.4	286.7	193.9	51.8	9.3	2.6	0.2	74.4	285.4	193.9	51.8	9.3	2.6	0.2	0.0	-1.4	-0.5%	2.4	0.0%	0.9	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Mount Trumbull Wilderness																														
23	SOUTH23	1	1	71.9	482.3	314.0	117.0	17.8	4.5	0.3	71.9	482.2	314.2	117.0	17.8	4.5	0.3	0.0	-0.1	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
23	SOUTH23	2	1	72.0	452.7	310.4	85.3	18.4	4.9	0.2	72.0	452.7	310.4	85.4	18.4	4.9	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
23	SOUTH23	3	1	72.5	451.8	302.6	80.4	18.8	4.8	0.2	72.5	451.8	302.6	80.4	18.8	4.8	0.2	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
North Fork Virgin River WSA																														
35	DEEPCK35	4	1	73.0	333.2	217.2	87.3	14.7	2.5	1.1	73.0	332.4	219.6	88.2	14.7	2.5	1.1	0.0	-0.8	-0.2%	2.7	1.1%	0.9	1.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
35	DEEPCK35	5	1	71.8	334.5	215.0	89.1	17.4	2.5	1.0	71.8	334.5	217.6	89.9	17.4	2.5	1.0	0.0	0.0	0.0%	2.9	1.3%	0.6	1.0%	0.1	0.1%	0.0	0.0%	0.0	0.0%
34	ORDERV34	1	4	72.7	362.7	225.2	87.5	17.9	2.8	1.0	72.7	362.1	228.1	88.1	17.9	2.8	1.0	0.0	-0.7	-0.2%	2.4	1.3%	0.9	0.7%	0.0	0.3%	0.0	0.0%	0.0	0.0%
34	ORDERV34	1	5	73.0	333.0	217.1	87.4	14.7	2.5	1.1	73.0	332.2	219.6	88.3	14.7	2.5	1.1	0.0	-0.8	-0.3%	2.7	1.1%	0.2	1.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
34	ORDERV34	2	4	73.6	362.9	238.5	89.4	18.6	3.2	1.0	73.6	362.7	241.2	89.6	18.6	3.2	1.0	0.0	-0.2	-0.1%	2.7	1.1%	0.9	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
34	ORDERV34	2	5	71.8	334.0	214.9	89.1	17.4	2.5	1.0	71.8	334.0	217.6	89.9	17.4	2.5	1.0	0.0	0.0	0.0%	2.3	1.2%	1.7	1.0%	0.3	0.1%	0.0	0.0%	0.0	0.0%
Orderville Canyon WSA																														
34	ORDERV34	1	2	74.4	393.2	287.4	111.5	17.5	3.1	1.0	74.4	391.5	289.7	113.2	17.8	3.1	1.0	0.0	-1.7	-0.4%	2.7	0.8%	1.3	1.5%	0.0	1.7%	0.0	0.0%	0.0	0.0%
34	ORDERV34	1	3	73.9	372.2	256.8	102.4	18.7	2.9	1.0	73.9	371.4	259.5	103.8	18.8	2.9	1.0	0.0	-0.9	-0.2%	2.1	1.0%	1.1	1.3%	0.4	0.2%	0.2	0.0%	0.3	0.0%
34	ORDERV34	2	2	74.7	389.3	281.6	115.1	23.8	3.0	1.0	74.7	388.4	283.7	116.2	24.2	3.2	1.3	0.0	-0.9	-0.2%	2.2	0.7%	1.0	1.0%	0.0	1.8%	0.0	5.3%	0.0	27.4%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020
*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1		< -0.1	
+0.1 to +1.0		-0.1 to -1.0	
+1.1 to +5.0		-1.1 to -5.0	
+5.1 to +10.0		-5.1 to -10.0	
> +10.0		> -10.0	

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
34	ORDERV34	2	3	74.4	382.5	263.0	108.8	17.1	2.9	1.0	74.4	382.1	265.2	109.9	17.1	2.9	1.0	0.0	-0.3	-0.1%	-9.1	0.8%	0.3	1.0%	0.1	-0.3%	0.0	0.0%	0.0	0.0%
Shivwits Paiute Indian Reservation																														
5	PAIUTEW5	1	1	74.9	561.4	446.7	214.5	30.4	4.8	1.6	74.9	549.3	437.5	214.8	30.6	4.8	1.6	0.0	-12.1	-2.2%	-10.0	-2.0%	-0.1	0.1%	0.0	0.5%	0.0	0.0%	0.0	0.0%
5	PAIUTEW5	1	2	73.8	552.5	447.7	219.6	30.7	6.2	1.9	73.8	540.0	437.7	219.5	30.7	6.2	1.9	0.0	-12.4	-2.3%	-9.0	-2.2%	-0.6	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
5	PAIUTEW5	1	3	72.2	521.5	447.6	236.2	35.4	6.5	1.9	72.2	508.9	438.7	235.7	35.4	6.4	1.9	0.0	-12.7	-2.4%	-9.4	-2.0%	-0.4	-0.2%	-0.1	-0.1%	0.0	-0.1%	0.0	0.0%
5	PAIUTEW5	1	4	72.5	518.3	443.3	226.5	34.2	5.3	1.9	72.5	505.6	433.8	226.1	34.2	5.3	1.9	0.0	-12.6	-2.4%	-9.4	-2.1%	0.0	-0.2%	-0.1	-0.2%	0.0	-0.9%	0.0	0.0%
5	PAIUTEW5	1	5	72.7	512.5	414.8	234.5	32.6	5.1	1.8	72.7	499.8	405.3	234.5	32.6	5.0	1.8	0.0	-12.8	-2.5%	-12.5	-2.3%	-1.1	0.0%	0.1	-0.2%	0.0	-0.3%	0.0	0.0%
5	PAIUTEW5	2	1	74.9	599.2	430.6	182.8	25.8	4.6	0.2	74.9	543.2	418.1	181.7	25.9	4.6	0.2	0.0	-56.0	-9.3%	-13.6	-2.9%	0.1	-0.6%	0.0	0.5%	0.0	0.0%	0.0	0.0%
5	PAIUTEW5	2	2	74.4	589.8	450.7	191.7	27.6	4.8	0.2	74.4	532.7	437.1	191.8	27.6	4.8	0.2	0.0	-57.2	-9.7%	-13.8	-3.0%	0.4	0.0%	-0.6	0.0%	0.0	-0.2%	0.0	0.0%
5	PAIUTEW5	2	3	73.0	577.2	450.8	214.4	30.4	4.8	1.7	73.0	521.9	437.0	214.8	29.9	4.8	1.7	0.0	-55.3	-9.6%	-9.4	-3.1%	0.0	0.2%	-0.3	-1.9%	0.0	-1.0%	0.0	0.0%
5	PAIUTEW5	2	4	70.5	523.1	441.9	210.5	30.7	5.3	1.9	70.5	510.5	432.4	210.5	30.4	5.3	1.9	0.0	-12.6	-2.4%	-9.0	-2.1%	0.0	0.0%	0.0	-0.9%	0.0	-0.9%	0.0	0.0%
5	PAIUTEW5	2	5	71.5	516.0	434.4	221.5	29.8	5.2	1.9	71.5	503.4	425.3	221.5	29.7	5.2	1.9	0.0	-12.6	-2.4%	-12.9	-2.1%	0.4	0.0%	-0.5	-0.2%	0.0	-0.2%	0.0	0.0%
5	PAIUTEW5	3	1	74.4	595.4	423.2	173.0	26.8	5.0	0.1	74.4	543.3	410.3	173.4	26.3	5.0	0.1	0.0	-52.1	-8.8%	-12.7	-3.1%	0.0	0.2%	0.1	-1.9%	0.0	0.0%	0.0	0.0%
5	PAIUTEW5	3	2	74.2	582.7	421.5	176.1	26.4	4.6	0.2	74.2	527.6	408.8	176.1	26.5	4.6	0.2	0.0	-55.1	-9.5%	-13.9	-3.0%	0.0	0.0%	0.0	0.3%	-0.6	-0.2%	0.0	0.0%
5	PAIUTEW5	3	3	72.6	584.9	416.6	183.0	28.9	5.0	0.2	72.6	529.4	402.7	183.0	28.9	4.4	0.2	0.0	-55.5	-9.5%	-14.5	-3.3%	0.0	0.0%	0.0	0.0%	-0.5	-12.0%	0.0	0.0%
5	PAIUTEW5	3	4	70.2	578.6	441.6	193.0	31.4	4.3	1.6	70.2	521.4	427.1	193.0	31.4	3.7	1.6	0.0	-57.2	-9.9%	-9.1	-3.3%	0.0	0.0%	0.0	0.0%	0.1	-11.8%	0.0	0.0%
5	PAIUTEW5	3	5	69.6	548.5	431.2	203.6	32.5	3.9	1.7	69.6	506.9	422.0	203.6	32.5	4.0	1.7	0.0	-41.7	-7.6%	-57.8	-2.1%	-0.2	0.0%	-0.1	0.0%	0.0	1.7%	0.0	0.0%
5	PAIUTEW5	4	1	73.5	570.0	437.0	159.2	27.2	5.1	0.1	73.5	517.5	379.2	159.1	27.1	5.1	0.1	0.0	-52.4	-9.2%	-52.7	-13.2%	0.0	-0.1%	-0.2	-0.3%	-1.0	0.0%	-0.1	0.0%
5	PAIUTEW5	4	2	72.8	554.9	440.5	154.3	27.1	6.4	0.2	72.8	501.5	387.8	154.3	27.0	5.3	0.1	0.0	-53.5	-9.6%	-12.8	-12.0%	0.0	0.0%	0.0	-0.6%	-0.6	-16.5%	0.0	-39.0%
5	PAIUTEW5	4	3	71.4	576.1	412.6	160.2	26.6	5.0	0.1	71.4	520.9	399.8	160.2	26.6	4.4	0.1	0.0	-55.2	-9.6%	-13.4	-3.1%	0.0	0.0%	0.4	0.0%	0.0	-11.9%	0.0	0.0%
5	PAIUTEW5	4	4	69.5	572.5	397.6	177.4	25.7	4.4	0.2	69.5	517.6	384.2	177.4	26.1	4.4	0.2	0.0	-54.8	-9.6%	-14.1	-3.4%	0.2	0.0%	0.0	1.4%	0.0	-0.3%	0.0	0.0%
5	PAIUTEW5	4	5	69.0	564.1	392.6	179.8	26.7	3.6	0.2	69.0	507.2	378.6	180.0	26.7	3.6	0.2	0.0	-56.9	-10.1%	-62.2	-3.6%	-9.4	0.1%	-0.1	0.0%	-1.1	0.0%	0.0	0.0%
5	PAIUTEW5	5	1	73.2	555.5	433.1	145.0	20.6	5.8	0.1	73.2	541.3	370.9	135.5	20.5	4.7	0.1	0.0	-14.2	-2.6%	-58.4	-14.4%	0.0	-6.5%	0.0	-0.7%	-1.2	-19.4%	0.0	0.0%
5	PAIUTEW5	5	2	73.1	559.8	421.2	131.5	26.6	5.6	0.1	73.1	527.5	362.8	131.5	26.6	4.4	0.1	0.0	-32.2	-5.8%	-58.2	-13.9%	0.4	0.0%	-1.2	0.0%	0.0	-21.5%	0.0	0.0%
5	PAIUTEW5	5	3	72.0	548.9	419.2	136.6	25.0	4.9	0.2	72.0	495.4	361.0	137.0	23.9	4.9	0.2	0.0	-53.6	-9.8%	-38.2	-13.9%	0.1	0.3%	0.0	-4.6%	0.0	-0.2%	0.0	0.0%
5	PAIUTEW5	5	4	70.2	534.5	403.5	143.2	23.5	4.4	0.1	70.2	480.3	365.3	143.3	23.5	4.4	0.1	0.0	-54.2	-10.1%	-14.3	-9.5%	-0.3	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
5	PAIUTEW5	5	5	69.9	563.4	389.0	146.3	23.7	3.2	0.1	69.9	507.9	374.8	146.0	23.7	3.2	0.1	0.0	-55.4	-9.8%	-6.8	-3.7%	0.4	-0.2%	0.1	0.0%	0.0	0.0%	0.0	0.0%
Cedar City Paiute Indian Reservation																														
14	PAIUTE14	1	1	70.6	335.0	263.9	110.9	30.6	2.9	0.3	70.6	327.7	248.7	118.0	24.8	6.6	0.3	0.0	-7.4	-2.2%	-3.6	-5.8%	0.8	6.4%	0.0	-19.0%	0.0	129.0%	0.0	13.2%
14	PAIUTE14	1	2	72.0	334.0	252.2	117.2	24.8	6.6	0.3	72.0	326.9	247.6	91.6	15.6	1.7	0.3	0.0	-7.1	-2.1%	-3.5	-1.8%	0.4	-21.8%	0.1	-37.0%	0.0	-73.9%	0.0	-17.5%
14	PAIUTE14	2	1	69.2	321.1	251.1	91.2	15.5	1.7	0.3	69.2	314.1	239.7	91.7	22.6	1.9	0.3	0.0	-7.1	-2.2%	-1.9	-4.5%	0.6	0.5%	0.1	45.8%	0.0	13.0%	0.0	0.0%
14	PAIUTE14	2	2	70.3	322.8	241.7	91.1	22.6	1.9	0.3	70.3	314.3	240.5	67.1	12.2	1.6	0.3	0.0	-8.5	-2.6%	-2.1	-0.5%	0.6	-26.4%	0.0	-45.9%	0.0	-18.9%	0.0	9.6%
14	PAIUTE14	3	1	70.1	318.8	242.6	66.4	12.2	1.6	0.3	70.1	310.5	235.0	81.5	11.7	1.1	0.3	0.0	-8.3	-2.6%	-1.8	-3.1%	0.0	22.8%	0.1	-4.2%	0.0	-29.6%	0.0	-1.4%
14	PAIUTE14	3	2	70.1	318.0	236.8	81.5	11.6	1.1	0.3	70.1	309.4	432.5	175.5	33.5	6.9	1.6	0.0	-8.6	-2.7%	-2.2	82.6%	-3.2	115.2%	-0.4	187.8%	-0.5	519.0%	0.0	467.4%
Paiute Wilderness																														
4	BEAVER4	1	1	74.0	567.8	434.8	178.6	33.9	7.4	1.6	74.0	561.4	432.5	175.5	33.5	6.9	1.6	0.0	-6.4	-1.1%	-2.9	-0.5%	-2.1	-1.8%	-3.1	-1.2%	0.2	-6.7%	0.0	0.0%
4	BEAVER4	1	2	73.9	588.6	438.3	200.9	34.9	5.4	1.6	73.9	573.8	435.4	198.8	31.7	5.6	1.6	0.0	-14.8	-2.5%	-1.9	-0.7%	-2.5	-1.1%	0.4	-9.0%	-0.7	2.8%	0.0	0.0%
4	BEAVER4	2	1	74.4	541.0	407.0	164.5	40.7	7.6	2.0	74.4	535.7	405.1	162.0	41.1	6.9	2.0	0.0	-5.3	-1.0%	-2.9	-0.5%	-2.7	-1.5%	-2.3	0.9%	-0.6	-8.9%	0.0	0.0%
4	BEAVER4	2	2	74.6	552.2	417.2	171.7	38.5	7.9	1.8	74.6	537.5	414.3	169.0	36.2	7.3	1.8	0.0	-14.7	-2.7%	-1.7	-0.7%	-0.8	-1.6%	-1.6	-5.9%	-0.7	-7.7%	0.0	0.0%
4	BEAVER4	3	1	72.9	546.0	408.1	163.9	36.3	7.6	1.4	72.9	532.1	406.5	163.1	34.6	6.9	1.4	0.0	-13.9	-2.5%	-3.1	-0.4%	-2.4	-0.5%	-0.3	-4.5%	-0.9	-9.2%	0.0	0.0%
4	BEAVER4	3	2	74.0	546.9	406.6	161.6	37.3	7.7	2.0	74.0	532.5	403.5	159.2	37.0	6.8	2.0	0.0	-14.4	-2.6%	-7.0	-0.8%	-3.7	-1.5%	-2.5	-0.9%	-0.2	-11.8%	0.0	0.0%
4	BEAVER4	3	3	74.0	549.0	421.1	171.1	37.9	6.5	1.8	74.0	536.0	414.1	167.4	35.4	6.2	1.8	0.0	-13.0	-2.4%	-13.2	-1.7%	-0.6	-2.2%	0.0	-6.5%	0.0	-3.6%	0.0	0.0%
4	BEAVER4	3	8	73.2	573.4	400.6	175.9	27.5	4.9	0.3	73.2	519.1	387.4	175.3	27.4	4.9	0.3	0.0	-54.2	-9.5%	-14.2	-3.3%	-3.4	-0.3%	-3.4	-0.1%	0.0	0.0%	0.0	0.0%
4	BEAVER4	4	1	71.9	527.2	391.8	159.1	32.0	5.5	1.4	71.9	514.0	390.3	158.2	31.4	5.4	1.4	0.0	-13.2	-2.5%	-6.2	-0.4%	-1.2	-0.6%	-0.5	-2.0%	-0.9	-0.6%	0.0	0.0%
4	BEAVER4	4	2	72.9	536.3	401.4	163.2	32.2	6.4	1.4	72.9	523.7	395.2	162.0	31.7	5.4	1.4	0.0	-12.6	-2.4%	-6.6	-1.5%	-3.1	-0.7%	-1.0	-1.7%	-1.9	-14.8%	0.0	0.0%
4	BEAVER4	4	4	74.0	583.1	411.8	170.3	33.3	5.6	1.8	74.0	531.8	397.6	166.9	29.9	5.6	1.8	0.0	-51.4	-8.8%	-1.5	-3.5%	-0.9	-2.0%	-0.6	-10.3%	0.0	0.2%	0.0	0.0%
4	BEAVER4	5	1	73.2	564.6	376.0	150.2	29.3	5.6	1.7	73.2	552.3	371.0	150.6	29.8	5.6	1.7	0.0	-12.2	-2.2%	-5.1	-1.3%	0.4	0.2%	0.4	1.5%	0.0	-0.3%	0.0	0.0%
4	BEAVER4	5	2	72.3	534.0	380.7	158.3	30.9	5.1	1.3	72.3	521.6	374.7	157.8	30.6	5.0	1.3	0.0	-12.4	-2.3%	-6.0	-1.6%	-0.5	-0.3%	-0.3	-1.1%	-0.1	-2.7%	0.0	0.0%
4	BEAVER4	5	3	73.1	536.2	383.5	159.4	33.0	5.9	2.5	73.1	513.8	376.8	157.8	33.5	5.2	2.5	0.0	-22.4	-4.2%	-6.7	-1.7%	-1.5	-1.0%	0.5	1.6%	-0.7	-11.1%	0.0	0.0%
4	BEAVER4	5	4	73.7	576.1	413.1	164.1	33.1	10.9	1.9	73.7	539.3	399.2	160.7	30.9	9.6	1.9	0.0	-36.8	-6.4%	-13.9	-3.4%	-3.4	-2.1%	-2.2	-6.5%	-1.3	-12.1%	0.0	0.0%
4	BEAVER4	6	3	71.9	567.2	386.2	161.2	23.4	5.0	1.3	71.9	531.1	373.7	162.1	22.8	4.8	1.3	0.0	-36.1	-6.4%	-12.5	-3.2%	0.8	0.5%	-0.6	-2.7%	-0.3	-5.0%	0.0	0.0%
2	PAIUTEW2	2	1	74.1	587.8	439.7	173.9	33.6	5.3	1.6	74.1	586.4	438.2	174.4	33.6	5.2	1.6	0.0	-1.4	-0.2%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	-0.1	-1.9%	0.0	0.0%
2	PAIUTEW2	2	2	75.2	590.7	407.3	181.6	29.0	5.5	1.5	75.2	588.9	405.7	182.0	29.5	5.5	1.5	0.0	-1.7	-0.3%	-1.5	-0.4%	0.4	0.2%	0.5	1.6%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	2	3	75.4	590.6	398.1	169.0	30.5	6.9	1.6	75.4	588.6	396.7	168.6	31.2	6.9	1.6	0.0	-2.0	-0.3%	-1.4	-0.4%	-0.3	-0.2%	0.7	2.3%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	2	4	74.3	604.1	405.7	167.8	32.9	7.0	1.7	74.3	602.1	404.0	166.4	32.9	7.1	1.7	0.0	-2.0	-0.3%	-1.8	-0.4%	-1.5	-0.9%	0.0	0.0%	0.1	1.0%	0.0	0.0%
2	PAIUTEW2	3	1	73.3	588.7	416.1	172.2	33.9	4.2	1.6	73.3	587.2	414.5	172.7	33.9	4.2	1.6	0.0	-1.5	-0.2%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	3	2	74.6	580.1	394.6	172.0	34.8	5.5	1.5	74.6	578.6	393.0	172.5	34.8	5.4	1.5	0.0	-1.6	-0.3%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	-0.1	-2.1%	0.0	0.0%
2	PAIUTEW2	3	3	75.6	572.8	389.1	163.6	29.1	5.5	1.5	75.6	570.9	387.7	163.8	29.6	5.5	1.5	0.0	-1.8	-0.3%	-1.4	-0.4%	0.2	0.2%	0.6	1.9%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	3	4	76.0	560.6	382.9	161.8	30.7	5.6	1.6	76.0	559.0	381.2	161.6	31.4	5.7	1.6	0.0	-1.6	-0.3%	-1.6	-0.4%	-0.2	-0.1%	0.6	2.1%	0.2	2.8%	0.0	0.0%
2	PAIUTEW2	4	1	72.3	585.3	389.1	165.4	32.9	4.4	1.5	72.3	583.9	388.3	165.4	32.9	4.4	1.5	0.0	-1.4	-0.2%	-0.8	-0.2%	0.0	0.0%	0.0	0.0%	0.1	1.2%	0.0	0.0%
2	PAIUTEW2	4	2	73.6	575.5	411.5	171.8	34.2	5.3	1.6	73.6	574.0	409.9	172.4	34.2	5.3	1.6	0.0	-1.5	-0.3%	-1.6	-0.4%	0.6	0.3%	0.0	0.0%	0.0	-0.1%	0.0	0.0%
2	PAIUTEW2	4	3	75.3	553.6	370.8	165.3	34.3	5.6	1.5	75.3	552.1	369.0	165.8	34.8	5.6	1.5	0.0	-1.5	-0.3%	-1.8	-0.5%	0.5	0.3%	0.5	1.5%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	4	4	76.2	557.6	370.9	151.4	29.2	4.9	1.5	76.2	556.1	369.0	152.0	29.8	5.0	1.5	0.0	-1.5	-0.3%	-1.9	-0.5%	0.6	0.4%	0.6	2.1%	0.1	1.6%	0.0	0.0%
2	PAIUTEW2	5	1	72.8	568.9	397.4	153.1	32.8	4.7	1.2	72.8	567.3	396.9	153.0	32.9	4.7	1.2	0.0	-1.6	-0.3%	-0.5	-0.1%	-0.1	0.0%	0.1	0.2%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	5	2	72.6	577.1	391.6	161.5	33.4	4.1	1.6	72.6	575.0	391.5	161.5	33.4	4.2	1.6	0.0	-2.1	-0.4%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.1	2.5%	0.0	0.0%
2	PAIUTEW2	5	3	74.7	548.7	340.6	159.2	34.4	6.0	1.6	74.7	546.5	339.4	159.8	34.5	5.9	1.5	0.0	-2.2	-0.4%	-1.2	-0.4%	0.5	0.3%	0.1	0.2%	0.0	-0.5%	-0.1	-4.9%
2	PAIUTEW2	5	4	76.0	551.0	361.0	164.1	34.8	5.9	1.5	76.0	545.7	359.6	164.6	35.4	5.9	1.5	0.0	-5.4	-1.0%	-1.4	-0.4%	0.5	0.3%	0.6	1.6%	0.1	1.0%	0.0	0.0%
2	PAIUTEW2	6	1	72.5	583.9	384.0	142.4	31.9	4.6	1.2	72.5	582.3	384.2	142.5	31.9	4.6	1.2	0.0	-1.7	-0.3%	0.3	0.1%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	6	2	72.9	562.3	380.5	160.3	32.1	4.3	1.2	72.9	560.1	380.0	160.3	32.2	4.3	1.2	0.0	-2.2	-0.4%	-0.5	-0.1%	0.0	0.0%	0.1	0.3%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	6	3	73.0	566.4	382.2	158.9	32.4	4.0	1.6	73.0	560.6	381.7	159.0	32.4	4.0	1.6	0.0	-5.9	-1.0%	-0.5	-0.1%	0.0	0.0%	0.0	0.0%	0.0	1.0%	0.0	0.0%
2	PAIUTEW2	6	4	74.6	553.1	339.8	155.3	31.9	5.6	1.4	74.6	547.7	338.4	155.9	32.0	5.4	1.4	0.0	-5.4	-1.0%	-1.4	-0.4%	0.6	0.4%	0.0	0.2%	-0.2	-2.8%	0.0	0.0%
2	PAIUTEW2	7	2	72.3	556.2	374.0	147.8	31.9	4.6	1.2	72.3	554.8	374.8	147.8	31.9	4.6	1.2	0.0	-1.4	-0.3%	0.8	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	7	3	73.3	565.6	369.7	154.9	32.2	4.1	1.5	73.3	559.0	369.4	154.9	32.3	4.1	1.5	0.0	-6.7	-1.2%	-0.3	-0.1%	0.1	0.0%	0.1	0.3%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	7	4	73.9	586.9	328.9	152.7	33.7	4.4	1.6	73.9	581.5	327.8	153.3	33.7	4.4	1.6	0.0	-5.4	-0.9%	-1.1	-0.3%	0.6	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	8	2	72.2	588.6	373.7	145.2	33.4	4.8	1.2	72.2	587.0	374.4	145.2	33.4	4.8	1.2	0.0	-1.6	-0.3%	0.7	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	8	3	72.0	592.0	374.0	143.3	31.5	4.2	1.1	72.0	586.5	374.3	143.3	31.4	4.2	1.1	0.0	-5.5	-0.9%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
2	PAIUTEW2	8	4	72.6	595.9	373.2	150.1	30.8	4.0	1.5	72.6	590.6	374.0	150.6	30.8	4.1	1.5	0.0	-5.3	-0.9%	0.8	0.2%	0.6	0.4%	0.0	0.0%	0.1	2.5%	0.0	0.0%
2	PAIUTEW2	9	3	72.1	601.4	387.4	137.0	31.7	4.3	1.1	72.1	595.9	387.8	137.1	31.7	4.3	1.1	0.0	-5.5	-0.9%	0.3	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
3	PAIUTEW3	1	1	72.4	602.9	442.2	174.6	33.4	7.0	1.8	72.4	600.6	440.3	173.2	32.6	7.0	1.8	0.0	-2.3	-0.4%	-1.9	-0.4%	-1.5	-0.8%	-0.7	-2.2%	0.0	0.0%	0.0	0.0%
3	PAIUTEW3	1	2	72.4	603.1	459.2	179.1	36.0	6.4	1.7	72.4	601.0	456.9	177.4	35.0	6.4	1.7	0.0	-2.1	-0.3%	-2.3	-0.5%	-1.7	-0.9%	-1.0	-2.8%	0.0	-0.1%	0.0	0.0%
3	PAIUTEW3	2	1	74.4	603.0	405.5	168.3	32.9	7.0	1.7	74.4	601.0	403.7	166.8	32.9	7.1	1.7	0.0	-2.0	-0.3%	-1.8	-0.4%	-1.5	-0.9%	0.0	0.0%	0.1	1.0%	0.0	0.0%
3	PAIUTEW3	2	2	71.9	609.2	430.7	166.3	33.3	6.8	1.8	71.9	603.5	428.6	164.9	32.6	6.7	1.8	0.0	-5.7	-0.9%	-2.1	-0.5%	-1.4	-0.9%	-0.7	-2.0%	-0.1	-1.3%	0.0	0.0%
3	PAIUTEW3	2	3	72.7	605.5	426.3	176.2	38.3	6.5	1.4	72.7	599.3	424.2	173.8	37.8	6.4	1.4	0.0	-6.2	-1.0%	-2.0	-0.5%	-2.4	-1.3%	-0.5	-1.2%	-0.1	-1.3%	0.0	0.0%
3	PAIUTEW3	2	4	73.7	565.7	442.7	179.5	38.2	6.8	1.7	73.7	559.0	440.5	176.6	37.4	7.1	1.7	0.0	-6.7	-1.2%	-2.2	-0.5%	-3.0	-1.7%	-0.8	-2.0%	0.4	5.4%	0.0	0.0%
3	PAIUTEW3	2	5	74.0	591.3	448.5	195.3	36.7	5.3	1.6	74.0	585.0	445.8	191.8	34.7	5.3	1.6	0.0	-6.4	-1.1%	-2.7	-0.6%	-3.5	-1.8%	-2.0	-5.5%	0.0	0.0%	0.0	0.0%
3	PAIUTEW3	3	1	76.0	560.4	382.9	161.7	30.4	5.6	1.6	76.0	558.8	381.2	161.6	31.0	5.7	1.6	0.0	-1.6	-0.3%	-1.6	-0.4%	-0.2	-0.1%	0.6	2.1%	0.2	2.7%	0.0	0.0%
3	PAIUTEW3	3	2	73.7	585.9	411.1	162.9	31.2	6.5	1.8	73.7	580.4	409.3	162.2	31.2	6.5	1.8	0.0	-5.5	-0.9%	-1.8	-0.4%	-0.6	-0.4%	0.0	0.1%	0.0	0.0%	0.0	0.0%
3	PAIUTEW3	3	3	72.1	591.1	416.0	163.7	37.4	7.0	1.8	72.1	585.4	414.0	162.2	36.6	6.9	1.8	0.0	-5.7	-1.0%	-2.0	-0.5%	-1.5	-0.9%	-0.9	-2.3%	-0.1	-1.7%	0.0	0.0%
3	PAIUTEW3	3	4	73.0	554.0	422.7	168.1	35.0	6.9	1.4	73.0	547.9	420.8	165.8	34.7	6.7	1.4	0.0	-6.1	-1.1%	-1.9	-0.4%	-2.3	-1.4%	-0.3	-0.9%	-0.1	-1.9%	0.0	0.0%
3	PAIUTEW3	3	5	74.4	545.0	408.8	171.3	37.8	8.1	2.0	74.4	538.4	406.6	168.5	36.2	8.1	2.0	0.0	-6.6	-1.2%	-2.2	-0.5%	-2.8	-1.6%	-1.6	-4.3%	0.0	-0.2%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020

*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend

< +0.1		< -0.1	
+0.1 to +1.0		-0.1 to -1.0	
+1.1 to +5.0		-1.1 to -5.0	
+5.1 to +10.0		-5.1 to -10.0	
> +10.0		> -10.0	

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020: 20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA	LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020: 20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA	LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020: 20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
3	PAIUTEW3	4	1	76.2	557.1	370.5	151.4	29.2	4.9	1.5	76.2	555.6	368.8	151.8	29.8	5.0	1.5	0.0	-1.5	-0.3%	-1.7	-0.5%	0.4	0.3%	0.6	2.1%	0.1	1.6%	0.0	0.0%
3	PAIUTEW3	4	2	75.2	566.3	381.1	161.3	31.1	5.7	1.6	75.2	560.9	379.6	161.0	31.6	5.8	1.6	0.0	-5.3	-0.9%	-1.5	-0.4%	-0.3	-0.2%	0.5	1.7%	0.1	2.1%	0.0	0.0%
3	PAIUTEW3	4	3	73.8	563.5	389.2	163.2	31.2	5.6	1.8	73.8	558.0	387.5	163.2	31.3	5.5	1.8	0.0	-5.5	-1.0%	-1.7	-0.4%	0.0	0.0%	0.0	0.1%	-0.1	-0.9%	0.0	0.0%
3	PAIUTEW3	4	4	72.7	535.8	411.1	166.7	37.0	7.4	1.4	72.7	530.1	409.4	165.5	36.2	7.2	1.4	0.0	-5.7	-1.1%	-1.7	-0.4%	-1.2	-0.7%	-0.8	-2.1%	-0.2	-3.0%	0.0	0.0%
3	PAIUTEW3	4	5	73.7	548.7	408.7	165.5	36.0	7.5	1.4	73.7	535.1	406.6	163.2	35.0	6.9	1.4	0.0	-13.6	-2.5%	-2.1	-0.5%	-2.3	-1.4%	-1.0	-2.8%	-0.6	-8.1%	0.0	0.0%
3	PAIUTEW3	5	1	76.0	551.5	363.0	164.1	34.8	5.9	1.5	76.0	546.1	361.6	164.6	35.4	5.9	1.5	0.0	-5.4	-1.0%	-1.4	-0.4%	0.5	0.3%	0.6	1.6%	0.1	1.0%	0.0	0.0%
3	PAIUTEW3	5	2	75.5	561.1	385.2	150.8	28.3	5.5	1.5	75.5	555.9	383.8	151.2	28.8	5.6	1.5	0.0	-5.2	-0.9%	-1.4	-0.4%	0.4	0.3%	0.5	1.8%	0.1	1.1%	0.0	0.0%
3	PAIUTEW3	5	3	74.2	572.8	373.5	156.8	29.8	5.2	1.8	74.2	567.2	372.1	156.6	30.4	5.2	1.8	0.0	-5.6	-1.0%	-1.5	-0.4%	-0.2	-0.1%	0.6	2.2%	0.1	1.1%	0.0	0.0%
3	PAIUTEW3	5	4	72.4	574.9	393.0	158.4	30.3	5.3	1.8	72.4	561.8	391.4	158.7	29.5	5.2	1.8	0.0	-13.1	-2.3%	-1.6	-0.4%	0.3	0.2%	-0.8	-2.6%	0.0	-0.6%	0.0	0.0%
3	PAIUTEW3	5	5	71.8	551.1	408.9	162.0	33.0	6.8	1.4	71.8	537.3	407.1	161.5	31.8	6.7	1.4	0.0	-13.8	-2.5%	-1.8	-0.4%	-0.5	-0.3%	-1.1	-3.5%	-0.1	-1.3%	0.0	0.0%
3	PAIUTEW3	6	1	74.6	552.9	339.8	155.3	32.0	5.6	1.4	74.6	547.5	338.4	155.9	32.0	5.4	1.4	0.0	-5.4	-1.0%	-1.4	-0.4%	0.6	0.4%	0.0	0.2%	-0.2	-2.8%	0.0	0.0%
3	PAIUTEW3	6	2	76.0	554.0	339.5	158.3	29.3	5.6	1.5	76.0	548.7	337.9	158.7	29.9	5.7	1.5	0.0	-5.3	-1.0%	-1.6	-0.5%	0.5	0.3%	0.7	2.3%	0.1	1.6%	0.0	0.0%
3	PAIUTEW3	6	3	75.7	571.5	366.4	151.1	27.7	5.7	1.6	75.7	566.4	365.4	150.7	28.3	5.8	1.6	0.0	-5.1	-0.9%	-1.0	-0.3%	-0.4	-0.2%	0.5	2.0%	0.1	1.6%	0.0	0.0%
3	PAIUTEW3	6	4	74.1	584.9	374.9	148.5	28.7	5.3	1.8	74.1	572.0	374.0	148.5	29.4	5.4	1.8	0.0	-12.8	-2.2%	-0.9	-0.2%	0.1	0.0%	0.6	2.2%	0.1	1.9%	0.0	0.0%
3	PAIUTEW3	6	5	72.0	542.9	382.7	156.4	30.3	5.6	1.8	72.0	530.1	381.1	157.3	29.4	5.6	1.8	0.0	-12.8	-2.4%	-1.6	-0.4%	0.9	0.6%	-0.9	-3.0%	0.0	-0.7%	0.0	0.0%
3	PAIUTEW3	7	1	73.9	581.4	328.7	152.7	33.7	4.4	1.6	73.9	576.0	327.6	153.3	33.7	4.4	1.7	0.0	-5.4	-0.9%	-1.1	-0.3%	0.6	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.5%
3	PAIUTEW3	7	2	75.4	578.8	337.7	150.0	32.2	5.6	1.4	75.4	573.7	336.9	150.5	32.7	5.6	1.4	0.0	-5.1	-0.9%	-0.8	-0.2%	0.5	0.3%	0.5	1.6%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	7	71.6	630.8	422.3	150.2	32.9	4.8	1.4	71.6	629.1	422.4	150.2	32.9	4.8	1.4	0.0	-1.7	-0.3%	0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	7	8	71.7	612.7	418.5	168.5	33.9	4.5	1.2	71.7	611.3	417.6	168.4	34.0	4.5	1.2	0.0	-1.5	-0.2%	-0.9	-0.2%	-0.1	0.0%	0.1	0.3%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	7	72.7	645.5	412.1	144.4	33.4	4.6	1.4	72.7	644.4	411.8	144.5	33.4	4.6	1.4	0.0	-1.1	-0.2%	-0.4	-0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	8	8	72.6	591.6	404.0	150.3	33.9	4.7	1.2	72.6	590.0	402.9	150.2	33.9	4.7	1.2	0.0	-1.6	-0.3%	-1.1	-0.3%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	9	8	72.8	615.1	400.3	144.7	32.9	4.6	1.4	72.8	613.9	400.5	144.7	32.9	4.6	1.4	0.0	-1.3	-0.2%	0.2	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
1	PARSHAN1	10	3	71.1	672.7	503.6	206.5	32.9	7.8	1.2	71.1	672.2	503.5	206.5	32.9	7.8	1.2	0.0	-0.5	-0.1%	-0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Parunuweap WSA																														
31	PARUNW31	1	2	74.4	444.0	343.1	189.1	29.2	3.7	0.9	74.4	446.5	344.8	190.2	29.2	3.7	0.9	0.0	2.4	0.5%	1.7	0.5%	1.0	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	1	3	73.9	442.8	342.9	176.7	23.9	3.9	0.7	73.9	445.6	344.2	176.8	23.9	3.9	0.7	0.0	2.8	0.6%	1.4	0.4%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	1	4	72.3	448.0	333.3	171.5	26.7	3.2	0.3	72.3	449.8	334.1	171.6	26.7	3.2	0.3	0.0	1.8	0.4%	0.8	0.2%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	1	5	71.1	425.8	330.6	158.0	36.1	2.8	0.3	71.1	427.7	332.0	158.2	36.1	2.8	0.3	0.0	2.0	0.5%	1.3	0.4%	0.2	0.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%
31	PARUNW31	1	6	71.1	406.4	312.8	145.4	35.9	2.7	0.3	71.1	407.3	314.0	145.6	36.0	2.8	0.4	0.0	0.8	0.2%	1.3	0.4%	0.2	0.1%	0.1	0.2%	0.1	3.0%	0.0	12.6%
31	PARUNW31	2	2	73.9	427.9	338.7	163.5	29.5	3.6	1.0	73.9	430.2	340.3	164.5	29.5	3.6	1.0	0.0	2.2	0.5%	1.7	0.5%	1.0	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	2	3	74.2	422.3	328.7	168.1	21.6	3.5	0.9	74.2	424.4	330.0	168.2	21.6	3.5	0.9	0.0	2.1	0.5%	1.2	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	2	4	73.5	412.9	326.9	159.8	25.0	2.9	0.8	73.5	415.1	327.3	159.9	25.0	2.9	0.8	0.0	2.2	0.5%	0.4	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	2	5	72.0	424.1	321.6	153.9	32.5	2.8	0.4	72.0	425.6	322.0	154.0	32.5	2.8	0.4	0.0	1.5	0.4%	0.4	0.1%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	2	6	72.7	408.9	314.5	143.1	36.2	2.5	0.3	72.7	410.6	315.3	143.2	36.3	2.6	0.3	0.0	1.8	0.4%	0.8	0.2%	0.1	0.0%	0.1	0.2%	0.1	3.3%	0.0	0.0%
31	PARUNW31	3	1	71.2	406.3	321.7	162.0	24.7	3.0	1.1	71.2	408.3	323.8	163.4	24.8	3.0	1.1	0.0	2.1	0.5%	2.1	0.6%	1.5	0.9%	0.0	0.1%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	2	72.9	415.3	315.5	157.5	24.8	2.8	0.9	72.9	417.6	317.0	158.5	24.8	2.8	0.9	0.0	2.3	0.6%	1.5	0.5%	0.9	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	3	74.0	412.9	324.8	167.6	27.4	3.9	0.9	74.0	414.8	325.9	167.6	27.4	3.9	0.9	0.0	1.9	0.5%	1.1	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	4	74.1	413.3	320.6	156.8	21.7	2.7	0.8	74.1	414.9	320.8	156.8	21.7	2.7	0.8	0.0	1.7	0.4%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	5	73.6	409.2	318.7	146.6	26.5	2.8	0.7	73.6	410.3	318.9	146.7	26.5	2.8	0.7	0.0	1.1	0.3%	0.2	0.1%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	6	72.4	392.5	315.8	144.2	36.3	2.9	0.3	72.4	393.9	316.3	144.3	36.4	2.9	0.3	0.0	1.4	0.4%	0.5	0.2%	0.1	0.0%	0.1	0.2%	0.0	0.0%	0.0	0.0%
31	PARUNW31	3	7	71.9	380.0	311.0	154.0	36.7	2.9	0.2	71.9	381.7	311.5	154.0	36.8	3.0	0.2	0.0	1.6	0.4%	0.5	0.2%	0.1	0.0%	0.1	0.2%	0.1	2.8%	0.0	24.2%
31	PARUNW31	4	1	72.8	391.6	325.0	153.9	25.5	2.7	0.9	72.8	393.5	327.1	155.2	25.5	2.7	0.9	0.0	1.9	0.5%	2.1	0.6%	1.3	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	2	72.5	407.3	319.6	147.7	27.3	2.7	0.9	72.5	409.4	321.3	148.6	27.3	2.7	0.9	0.0	2.1	0.5%	1.7	0.5%	0.9	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	3	73.3	400.4	320.2	145.0	26.7	2.9	0.8	73.3	402.1	321.2	145.0	26.7	2.9	0.8	0.0	1.7	0.4%	1.0	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	4	74.1	402.7	321.2	151.2	20.6	3.3	0.8	74.1	403.8	321.8	151.2	20.6	3.3	0.8	0.0	1.2	0.3%	0.6	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	5	74.1	398.4	323.5	148.8	26.3	2.7	0.6	74.1	399.1	323.6	148.9	26.3	2.7	0.6	0.0	0.6	0.2%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	6	73.1	394.0	314.8	134.3	25.4	2.9	0.7	73.1	395.0	314.9	134.3	25.5	2.9	0.7	0.0	0.9	0.2%	0.1	0.0%	0.0	0.0%	0.0	0.2%	0.0	0.0%	0.0	0.0%
31	PARUNW31	4	7	72.0	382.5	309.3	135.6	36.9	2.8	0.2	72.0	383.6	309.5	135.6	37.0	2.9	0.2	0.0	1.1	0.3%	0.2	0.1%	0.0	0.0%	0.1	0.2%	0.1	2.9%	0.0	0.0%
31	PARUNW31	5	1	72.5	391.5	321.1	147.3	26.1	2.4	0.9	72.5	393.3	323.0	148.6	26.1	2.4	0.9	0.0	1.8	0.5%	2.0	0.6%	1.3	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	5	2	71.8	399.0	319.5	138.8	23.3	2.8	0.9	71.8	401.1	321.0	139.7	23.3	2.8	0.9	0.0	2.1	0.5%	1.5	0.5%	0.8	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	5	3	72.0	405.8	313.9	132.4	26.5	2.7	0.9	72.0	407.4	314.8	132.4	26.5	2.7	0.9	0.0	1.6	0.4%	0.9	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	5	4	73.4	406.6	320.0	129.3	24.4	2.7	0.8	73.4	407.6	320.6	129.3	24.4	2.7	0.8	0.0	1.0	0.2%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	5	5	74.4	401.3	323.8	139.1	18.7	3.2	0.8	74.4	401.5	323.8	139.1	18.7	3.2	0.8	0.0	0.2	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	5	6	74.0	400.3	315.4	137.5	28.8	2.4	0.6	74.0	400.6	315.5	137.5	28.8	2.4	0.6	0.0	0.3	0.1%	0.0	0.0%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	6	2	71.6	392.5	314.4	127.3	23.5	2.0	0.9	71.6	394.5	315.9	128.1	23.5	2.0	0.9	0.0	2.0	0.5%	1.5	0.5%	0.8	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	6	3	71.1	407.1	315.4	131.7	24.6	2.4	0.9	71.1	408.5	316.2	131.7	24.6	2.4	0.9	0.0	1.4	0.4%	0.8	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	6	4	72.3	416.5	298.4	134.1	26.8	2.4	0.9	72.3	417.5	298.8	134.1	26.8	2.4	0.9	0.0	0.9	0.2%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
31	PARUNW31	7	3	70.6	397.6	314.3	122.6	25.1	1.9	0.9	70.6	399.0	315.1	122.6	25.1	1.9	0.9	0.0	1.4	0.3%	0.9	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Pine Valley Mountain Wilderness																														
10	PINEV10	1	1	72.3	372.1	270.7	111.2	17.4	3.3	0.1	72.3	361.0	262.5	104.7	13.9	3.1	0.1	0.0	-11.1	-3.0%	-8.2	-3.0%	-6.5	-5.8%	-3.5	-19.9%	-0.2	-5.2%	0.0	0.0%
10	PINEV10	1	2	70.9	392.8	264.7	112.9	22.1	2.7	0.1	70.9	381.5	255.9	108.1	18.1	2.7	0.1	0.0	-11.3	-2.9%	-8.7	-3.3%	-4.8	-4.3%	-4.0	-18.3%	0.0	-1.0%	0.0	0.0%
10	PINEV10	2	1	74.6	364.8	248.3	108.2	19.0	3.1	0.1	74.6	356.2	240.5	103.6	15.9	2.7	0.1	0.0	-8.6	-2.4%	-7.8	-3.1%	-4.6	-4.2%	-3.1	-16.2%	-0.3	-11.3%	0.0	1.5%
10	PINEV10	2	2	72.8	390.4	262.9	116.7	19.5	2.8	0.1	72.8	383.7	255.5	110.6	15.1	2.8	0.1	0.0	-6.7	-1.7%	-7.3	-2.8%	-6.1	-5.3%	-4.4	-22.3%	0.0	-1.2%	0.0	0.0%
10	PINEV10	2	3	71.4	390.7	260.8	121.7	19.0	2.9	0.1	71.4	382.8	253.1	115.4	15.0	2.9	0.1	0.0	-8.0	-2.0%	-7.7	-3.0%	-6.3	-5.2%	-4.0	-21.3%	0.0	-0.2%	0.0	0.0%
10	PINEV10	3	1	75.1	374.6	232.6	94.7	20.7	3.6	0.1	75.1	365.3	225.7	92.3	16.9	3.1	0.1	0.0	-9.3	-2.5%	-6.9	-3.0%	-2.5	-2.6%	-3.9	-18.8%	-0.5	-14.7%	0.0	0.0%
10	PINEV10	3	2	74.8	370.0	247.4	101.7	20.8	3.3	0.1	74.8	362.7	239.6	99.3	16.1	3.0	0.1	0.0	-7.3	-2.0%	-7.8	-3.2%	-2.4	-2.3%	-4.7	-22.6%	-0.3	-9.6%	0.0	0.0%
10	PINEV10	3	3	74.0	366.0	266.2	110.7	22.5	3.4	0.1	74.0	358.9	258.9	106.4	18.2	3.4	0.1	0.0	-7.1	-1.9%	-7.3	-2.7%	-4.3	-3.9%	-4.3	-19.0%	0.0	1.0%	0.0	0.0%
10	PINEV10	4	1	74.3	347.1	249.4	97.0	23.0	2.7	0.4	74.3	342.0	243.8	91.8	21.5	2.1	0.4	0.0	-5.1	-1.5%	-5.6	-2.2%	-5.2	-5.4%	-1.5	-6.3%	-0.6	-23.4%	0.0	-2.0%
10	PINEV10	4	2	74.7	358.5	265.5	97.0	24.8	1.8	0.1	74.7	352.3	260.1	92.8	23.0	1.8	0.1	0.0	-6.1	-1.7%	-5.4	-2.0%	-4.2	-4.3%	-1.8	-7.1%	0.0	1.0%	0.0	0.0%
10	PINEV10	4	3	74.5	365.4	269.2	119.3	25.1	3.3	0.1	74.5	358.4	262.9	115.9	21.3	3.3	0.1	0.0	-6.9	-1.9%	-6.3	-2.3%	-3.4	-2.8%	-3.7	-14.9%	0.0	-0.6%	0.0	0.0%
10	PINEV10	4	4	73.9	371.4	274.6	125.8	24.0	4.3	0.2	73.9	365.1	268.4	123.6	19.3	4.3	0.2	0.0	-6.3	-1.7%	-6.2	-2.3%	-2.2	-1.7%	-4.7	-19.5%	0.0	0.2%	0.0	0.0%
10	PINEV10	5	1	73.0	348.1	262.2	117.3	21.9	2.8	0.3	73.0	342.4	256.7	110.0	18.4	2.7	0.3	0.0	-5.7	-1.6%	-5.5	-2.1%	-7.3	-6.2%	-3.5	-16.1%	-0.1	-2.8%	0.0	0.0%
10	PINEV10	5	2	74.0	356.1	266.6	115.8	23.3	2.7	0.4	74.0	351.5	260.9	108.5	20.2	2.7	0.4	0.0	-4.6	-1.3%	-5.6	-2.1%	-7.2	-6.2%	-3.1	-13.1%	0.0	0.1%	0.0	0.0%
10	PINEV10	5	3	73.4	371.2	275.0	112.6	27.0	1.7	0.4	73.4	365.1	269.6	107.2	24.8	1.7	0.4	0.0	-6.1	-1.6%	-5.4	-2.0%	-5.5	-4.9%	-2.2	-8.1%	0.0	0.3%	0.0	0.0%
10	PINEV10	5	4	73.8	372.7	274.5	125.9	26.9	3.0	0.1	73.8	367.1	269.1	121.6	26.0	3.0	0.1	0.0	-5.6	-1.5%	-5.4	-2.0%	-4.3	-3.4%	-0.9	-3.2%	0.0	0.0%	0.0	0.0%
7	PINEV7	2	2	73.5	410.3	265.5	98.7	16.7	4.4	0.2	73.5	398.5	252.2	95.6	15.0	2.9	0.1	0.0	-11.8	-2.9%	-13.3	-5.0%	-3.1	-3.1%	-1.6	-9.6%	-1.5	-33.3%	-0.1	-34.6%
7	PINEV7	3	1	73.3	419.4	230.0	74.2	16.9	3.9	0.4	73.3	401.6	221.5	70.9	14.4	3.4	0.3	0.0	-17.8	-4.3%	-8.5	-3.7%	-3.2	-4.3%	-2.5	-14.6%	-0.5	-12.7%	0.0	-1.1%
7	PINEV7	3	2	74.4	400.3	223.3	83.0	17.5	4.3	0.2	74.4	390.2	213.4	78.9	15.5	4.0	0.1	0.0	-10.1	-2.5%	-9.9	-4.4%	-4.1	-4.9%	-1.9	-11.0%	-0.3	-7.1%	-0.1	-35.1%
7	PINEV7	4	1	72.8	414.4	235.7	77.9	16.9	2.8	0.4	72.8	406.0	227.1	74.4	14.0	2.1	0.4	0.0	-8.4	-2.0%	-8.6	-3.6%	-3.5	-4.5%	-2.9	-17.0%	-0.7	-26.1%	0.0	0.0%
7	PINEV7	4	2	74.0	384.6	225.0	73.5	16.0	3.9	0.4	74.0	376.5	216.7	69.9	13.9	2.2	0.4	0.0	-8.1	-2.1%	-8.3	-3.7%	-3.6	-4.9%	-2.1	-12.9%	-1.7	-43.9%	0.0	-5.0%
7	PINEV7	5	2	72.1	377.5	235.5	80.7	15.6	2.2	0.4	72.1	369.0	229.4	78.5	12.6	2.0	0.4	0.0	-8.5	-2.3%	-6.1	-2.6%	-2.2	-2.8%	-3.1	-19.5%	-0.2	-9.2%	0.0	0.0%
8	PINEV8	1	3	71.4	428.0	278.7	99.9	26.9	4.5	0.1	71.4	414.0	271.3	95.9	23.9	2.9	0.1	0.0	-14.0	-3.3%	-7.4	-2.7%	-4.0	-4.0%	-3.0	-11.2%	-1.7	-36.8%	0.0	-14.6%
8	PINEV8	2	1	73.5	410.3	265.5	98.7	16.7	4.4	0.2	73.5	398.5	252.2	95.6	15.0	2.9	0.1	0.0	-11.8	-2.9%	-13.3	-5.0%	-3.1	-3.1%	-1.6	-9.6%	-1.5	-33.3%	-0.1	-34.6%
8	PINEV8	2	2	72.5	412.0	260.9	101.9	17.1	4.6	0.3	72.5	399.4	252.5	97.9	14.8	2.8	0.1	0.0	-12.5	-3.0%	-8.4	-3.2%	-4.0	-3.9%	-2.3	-13.3%	-1.8	-39.8%	-0.2	-56.2%
8	PINEV8	2	3	72.1	408.3	244.1	100.2	28.1	3.7	0.3	72.1	395.6	236.4	97.0	25.9	2.9	0.2	0.0	-12.7	-3.1%	-7.7	-3.2%	-3.1	-3.1%	-2.2	-7.7%	-0.8	-22.5%	-0.1	-47.8%
8	PINEV8	3	1	74.4	400.3	223.3	83.0	17.5	4.3	0.2	74.4	390.2	213.4	78.9	15.5	4.0	0.1	0.0	-10.1	-2.5%	-9.9	-4.4%	-4.1	-4.9%	-1.9	-11.0%	-0.3	-7.1%	-0.1	-35.1%
8	PINEV8	3	2	74.9	384.8	239.4	90.1	16.5	4.6	0.5	74.9	374.6	231.2	86.3	15.6	4.0	0.2	0.0	-10.2	-2.6%	-8.2	-3.4%	-3.8	-4.3%	-0.9	-5.7%	-0.5	-11.8%	-0.3	-54.6%
8	PINEV8	3	3	73.0	394.5	266.8	102.2	16.1	4.8	0.2	73.0	383.4	258.3	97.0	13.9	2.9	0.2	0.0	-11.0	-2.8%	-8.5	-3.2%	-5.2	-5.0%	-2.2	-13.6%	-1.9	-39.0%	0.0	4.5%
8	PINEV8	4	1	74.0	384.6	225.0	73.5	16.0	3.9	0.4	74.0	376.5	216.7	69.9	13.9	2.2	0.4	0.0	-8.1	-2.1%	-8.3	-3.7%	-3.6	-4.9%	-2.1	-12.9%	-1.7	-43.9%	0.0	-5.0%
8	PINEV8	4	2	78.1	365.5	217.2	73.5	18.1	3.8	0.3	75.9	356.2	210.9	70.4	16.0	3.7	0.3	0.0	-9.3	-2.5%	-6.2	-2.9%	-3.2	-4.3%	-2.1	-11.6%	-0.2	-4.1%	0.0	-14.9%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020
*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

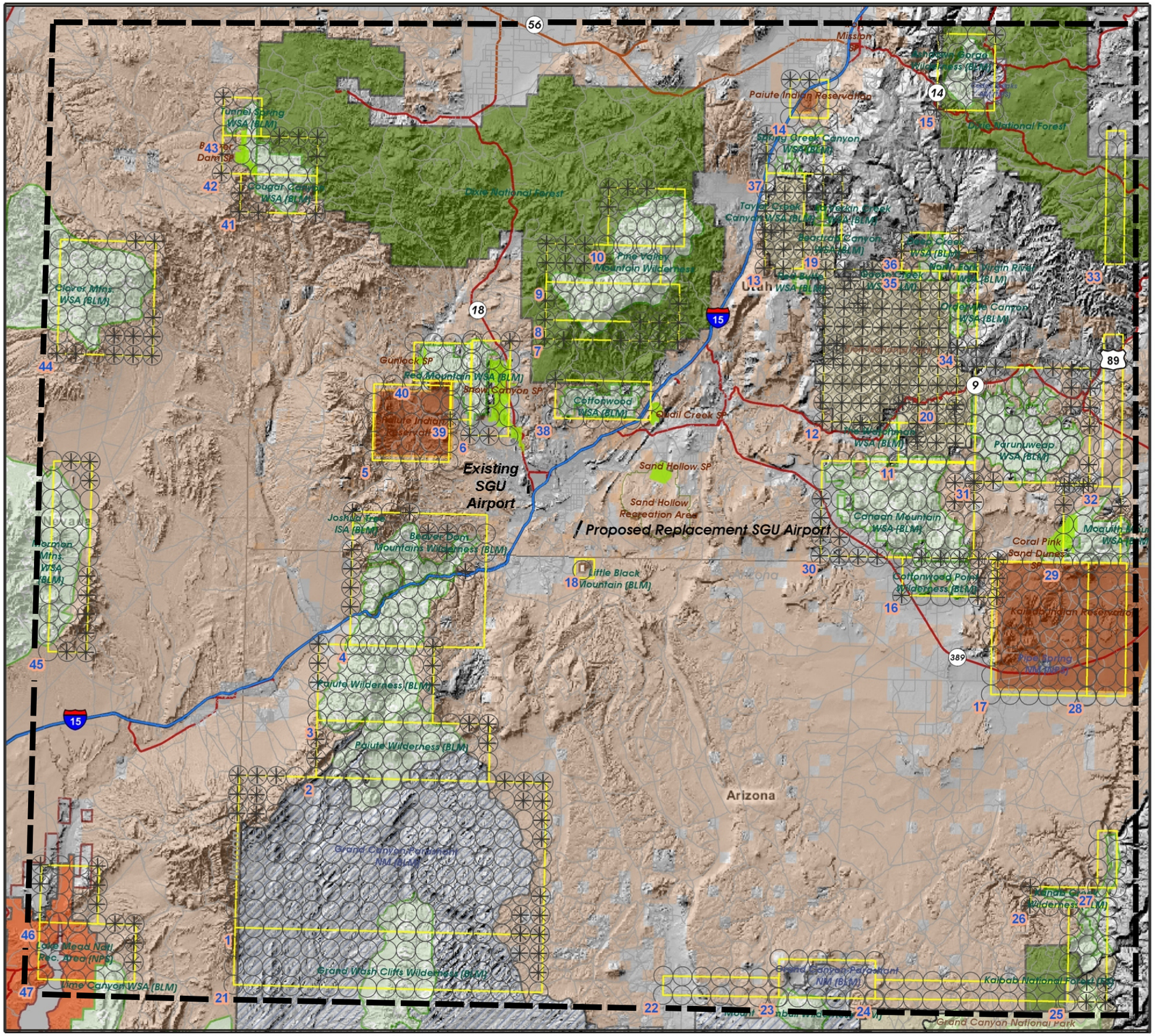
Legend	
< +0.1	< -0.1
+0.1 to +1.0	-0.1 to -1.0
+1.1 to +5.0	-1.1 to -5.0
+5.1 to +10.0	-5.1 to -10.0
> +10.0	> -10.0

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
8	PINEV8	4	3	74.4	371.5	249.8	94.4	18.1	3.9	0.2	74.4	363.0	241.8	89.5	15.2	3.1	0.2	0.0	-8.5	-2.3%	-8.0	-3.2%	-4.9	-5.2%	-2.9	-16.1%	-0.8	-21.7%	0.0	-2.3%
8	PINEV8	5	1	72.1	377.5	235.5	80.7	15.6	2.2	0.4	72.1	369.0	229.4	78.5	12.6	2.0	0.4	0.0	-8.5	-2.3%	-6.1	-2.6%	-2.2	-2.8%	-3.1	-19.5%	-0.2	-9.2%	0.0	0.0%
8	PINEV8	5	2	74.2	349.8	219.4	81.3	16.8	4.8	0.9	74.2	342.0	213.7	77.5	13.4	2.4	0.4	0.0	-7.8	-2.2%	-5.7	-2.6%	-3.8	-4.6%	-3.3	-19.9%	-2.5	-51.4%	-0.5	-59.0%
8	PINEV8	5	3	74.4	358.9	228.9	82.7	17.8	3.3	0.1	74.4	351.4	222.2	78.0	13.5	2.7	0.1	0.0	-7.5	-2.1%	-6.7	-2.9%	-4.7	-5.6%	-4.4	-24.5%	-0.6	-18.9%	0.0	-9.8%
8	PINEV8	6	2	71.3	345.0	225.5	88.5	16.4	2.7	0.3	71.3	337.1	219.8	84.7	15.1	2.0	0.3	0.0	-7.9	-2.3%	-5.8	-2.6%	-3.8	-4.3%	-1.3	-8.0%	-0.7	-25.4%	0.0	0.0%
8	PINEV8	6	3	73.7	331.0	223.7	91.1	16.7	3.8	0.4	73.7	324.8	218.0	87.8	15.2	2.3	0.4	0.0	-6.2	-1.9%	-5.8	-2.6%	-3.3	-3.6%	-1.5	-9.0%	-1.5	-39.1%	0.0	-2.0%
8	PINEV8	7	2	72.4	375.0	234.8	88.2	16.7	2.1	0.3	72.4	368.0	228.7	82.3	13.5	2.1	0.3	0.0	-7.0	-1.9%	-6.1	-2.6%	-5.8	-6.6%	-3.1	-18.7%	0.0	0.6%	0.0	0.0%
8	PINEV8	7	3	70.7	353.6	227.1	93.9	18.1	3.2	0.3	70.7	347.8	221.3	88.3	15.0	3.2	0.3	0.0	-5.8	-1.7%	-5.8	-2.6%	-5.6	-6.0%	-3.1	-17.2%	0.0	0.7%	0.0	0.0%
8	PINEV8	8	3	71.2	368.8	263.5	85.9	18.8	2.5	0.3	71.2	363.1	256.7	79.7	15.7	2.5	0.3	0.0	-5.6	-1.5%	-6.8	-2.6%	-6.2	-7.2%	-3.1	-16.4%	0.0	-0.1%	0.0	0.0%
9	PINEV9	1	1	71.4	426.1	278.7	99.9	26.9	4.5	0.1	71.4	412.1	271.3	95.9	23.9	2.9	0.1	0.0	-14.0	-3.3%	-7.4	-2.7%	-4.0	-4.0%	-3.0	-11.2%	-1.7	-36.8%	0.0	-14.6%
9	PINEV9	2	1	72.1	408.3	244.1	100.2	28.1	3.7	0.3	72.1	395.6	236.4	97.0	25.9	2.9	0.2	0.0	-12.7	-3.1%	-7.7	-3.2%	-3.1	-3.1%	-2.2	-7.7%	-0.8	-22.5%	-0.1	-47.8%
9	PINEV9	3	1	73.0	394.5	266.8	102.2	16.1	4.8	0.2	73.0	383.4	258.3	97.0	13.9	2.9	0.2	0.0	-11.0	-2.8%	-8.5	-3.2%	-5.2	-5.0%	-2.2	-13.6%	-1.9	-39.0%	0.0	4.5%
9	PINEV9	4	1	74.4	371.5	249.8	94.3	18.1	3.9	0.2	74.4	363.0	241.8	89.4	15.2	3.1	0.2	0.0	-8.5	-2.3%	-8.0	-3.2%	-4.9	-5.2%	-2.9	-16.1%	-0.8	-21.7%	0.0	-2.3%
9	PINEV9	4	3	71.9	381.9	272.9	110.4	17.7	3.2	0.1	71.9	370.7	264.5	104.6	13.5	3.1	0.1	0.0	-11.2	-2.9%	-8.4	-3.1%	-5.8	-5.3%	-4.2	-23.6%	-0.1	-2.6%	0.0	0.0%
9	PINEV9	5	1	74.4	358.9	228.9	82.7	17.8	3.3	0.1	74.4	351.4	222.2	78.0	13.5	2.7	0.1	0.0	-7.5	-2.1%	-6.7	-2.9%	-4.7	-5.6%	-4.4	-24.5%	-0.6	-18.9%	0.0	-9.8%
9	PINEV9	5	2	74.9	364.4	231.5	98.2	18.7	3.4	0.1	74.9	356.8	224.6	93.9	15.9	2.7	0.1	0.0	-7.6	-2.1%	-6.9	-3.0%	-4.3	-4.3%	-2.9	-15.2%	-0.7	-20.7%	0.0	0.0%
9	PINEV9	5	3	74.4	369.4	253.0	106.3	17.5	2.7	0.2	74.4	360.7	244.5	101.0	13.9	2.6	0.2	0.0	-8.7	-2.3%	-8.5	-3.4%	-5.3	-4.9%	-3.6	-20.5%	-0.1	-3.1%	0.0	-1.0%
9	PINEV9	6	1	73.7	331.0	223.7	91.1	16.9	3.8	0.4	73.7	324.8	218.0	87.8	15.4	2.3	0.4	0.0	-6.2	-1.9%	-5.8	-2.6%	-3.3	-3.6%	-1.5	-8.9%	-1.5	-39.1%	0.0	-2.0%
9	PINEV9	6	2	74.9	359.8	230.8	90.4	18.4	2.6	0.4	74.9	351.8	224.5	87.8	15.9	1.1	0.4	0.0	-7.9	-2.2%	-6.3	-2.7%	-2.6	-2.9%	-2.4	-13.3%	-1.4	-55.5%	0.0	0.0%
9	PINEV9	6	3	75.4	372.9	232.7	94.1	21.0	4.1	0.1	75.4	363.6	225.9	91.8	16.9	3.1	0.1	0.0	-9.3	-2.5%	-6.7	-2.9%	-2.4	-2.5%	-4.1	-19.6%	-1.0	-24.5%	0.0	0.0%
9	PINEV9	7	1	70.7	353.6	227.1	93.9	18.1	3.2	0.3	70.7	347.8	221.3	88.3	15.0	3.2	0.3	0.0	-5.8	-1.7%	-5.8	-2.6%	-5.6	-6.0%	-3.1	-17.2%	0.0	0.7%	0.0	0.0%
9	PINEV9	7	2	72.5	342.4	235.8	98.0	21.5	2.5	0.4	72.5	335.5	229.7	91.8	18.4	2.4	0.4	0.0	-7.0	-2.0%	-6.1	-2.6%	-6.2	-6.4%	-3.1	-14.6%	0.0	-2.0%	0.0	0.0%
9	PINEV9	7	3	74.8	345.6	247.8	93.4	23.9	3.1	0.4	74.8	340.3	242.1	90.0	22.4	1.8	0.4	0.0	-5.3	-1.5%	-5.7	-2.3%	-3.4	-3.6%	-1.6	-6.5%	-1.2	-40.4%	0.0	-2.0%
Pipe Spring NM																														
17	KAIBAB17	3	2	73.0	408.2	331.3	146.3	19.7	3.3	1.4	73.0	409.0	332.0	146.4	19.7	3.3	1.4	0.0	0.7	0.2%	0.7	0.2%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	3	3	71.4	409.3	330.7	157.2	24.9	3.3	1.5	71.4	409.8	331.4	157.4	24.9	3.3	1.5	0.0	0.5	0.1%	0.7	0.2%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	2	73.8	409.6	309.7	151.7	22.2	3.2	1.7	73.8	410.1	310.2	151.7	22.2	3.2	1.7	0.0	0.5	0.1%	0.5	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
17	KAIBAB17	4	3	72.7	413.2	309.1	161.1	25.3	3.0	1.4	72.7	413.7	309.6	161.4	25.3	3.0	1.4	0.0	0.5	0.1%	0.5	0.2%	0.2	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Quail Creek SP																														
38	COTTON38	6	1	73.1	444.8	279.3	92.9	26.8	3.2	1.0	73.1	443.3	278.0	89.5	24.9	3.6	1.0	0.0	-1.6	-0.4%	-1.3	-0.5%	-3.3	-3.6%	-1.9	-6.9%	0.3	9.9%	0.0	0.0%
38	COTTON38	6	2	73.1	435.3	276.3	95.5	29.7	4.6	0.4	73.1	432.6	271.9	90.5	22.3	3.7	0.4	0.0	-2.6	-0.6%	-4.4	-1.6%	-5.0	-5.3%	-7.5	-25.1%	-1.0	-21.1%	0.0	0.0%
Red Butte WSA																														
13	ZION13	3	1	74.3	359.4	265.7	123.3	19.4	5.2	0.5	74.3	351.4	257.7	119.3	19.3	5.2	0.5	0.0	-8.0	-2.2%	-8.0	-3.0%	-3.9	-3.2%	-0.1	-0.6%	0.0	0.0%	0.0	0.0%
Red Mountain WSA																														
39	REDMTN39	1	2	70.0	540.5	406.2	144.6	23.5	3.2	0.1	70.0	485.2	368.0	144.7	23.5	3.2	0.1	0.0	-55.2	-10.2%	-38.2	-9.4%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
39	REDMTN39	1	3	69.9	559.3	390.3	158.0	24.0	3.1	0.2	69.9	504.1	376.0	157.4	24.0	3.1	0.2	0.0	-55.3	-9.9%	-14.3	-3.7%	-0.6	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
39	REDMTN39	2	1	72.5	558.8	404.0	128.0	24.2	4.2	0.2	72.5	530.7	346.1	118.1	23.8	4.2	0.2	0.0	-28.1	-5.0%	-58.0	-14.3%	-9.9	-7.7%	-0.4	-1.5%	0.0	-0.3%	0.0	0.0%
39	REDMTN39	2	2	71.0	540.5	407.3	123.0	23.3	3.1	0.2	71.0	486.5	349.7	122.8	23.3	3.1	0.2	0.0	-54.0	-10.0%	-57.6	-14.1%	-0.2	-0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%
39	REDMTN39	2	3	70.7	515.8	364.0	124.3	23.2	3.3	0.2	70.7	460.5	349.9	123.4	23.2	3.3	0.2	0.0	-55.3	-10.7%	-14.0	-3.9%	-0.9	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	1	1	69.7	545.2	431.0	202.9	32.5	5.3	1.7	69.7	506.5	421.9	202.9	32.5	5.2	1.7	0.0	-38.7	-7.1%	-9.2	-2.1%	0.0	0.0%	0.0	0.0%	-0.1	-1.3%	0.0	0.0%
40	REDMTN40	1	2	70.8	516.6	433.7	206.3	32.0	4.9	1.9	70.8	503.8	424.3	206.2	32.0	4.8	1.9	0.0	-12.8	-2.5%	-9.4	-2.2%	0.0	0.0%	0.0	0.0%	-0.1	-1.4%	0.0	0.0%
40	REDMTN40	1	3	71.8	505.7	398.8	200.1	25.1	4.6	1.8	71.8	493.0	389.1	200.1	25.1	4.6	1.8	0.0	-12.7	-2.5%	-9.7	-2.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	2	1	68.9	562.5	415.5	180.6	29.0	3.6	0.2	68.9	506.0	401.2	180.6	29.0	3.6	0.2	0.0	-56.6	-10.1%	-14.3	-3.4%	0.0	0.0%	-0.1	-0.2%	0.0	0.0%	0.0	0.0%
40	REDMTN40	2	2	69.0	534.5	428.9	178.7	29.5	3.4	1.7	69.0	497.1	419.6	178.7	29.4	3.4	1.7	0.0	-37.4	-7.0%	-9.4	-2.2%	0.0	0.0%	-0.1	-0.2%	0.0	0.0%	0.0	0.0%
40	REDMTN40	2	3	70.1	503.1	408.4	171.6	29.0	4.9	1.8	70.1	489.9	398.9	171.6	29.0	4.9	1.8	0.0	-13.2	-2.6%	-9.5	-2.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	3	1	69.9	559.3	390.3	158.0	24.0	3.1	0.2	69.9	504.1	376.0	157.4	24.0	3.1	0.2	0.0	-55.3	-9.9%	-14.3	-3.7%	-0.6	-0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	3	2	69.2	552.0	385.6	150.9	26.0	3.3	0.2	69.2	494.5	371.0	150.9	26.0	3.3	0.2	0.0	-57.6	-10.4%	-14.6	-3.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	3	3	70.0	500.7	396.4	147.0	28.2	3.4	1.6	70.0	487.7	386.1	147.0	28.2	3.4	1.6	0.0	-13.0	-2.6%	-10.3	-2.6%	0.1	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	4	1	70.7	515.8	364.0	124.2	23.2	3.3	0.2	70.7	460.5	349.9	123.4	23.2	3.3	0.2	0.0	-55.3	-10.7%	-14.0	-3.9%	-0.9	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
40	REDMTN40	4	2	71.3	542.8	369.6	130.9	23.6	3.1	0.1	71.3	487.9	353.4	130.4	23.6	3.1	0.1	0.0	-54.9	-10.1%	-16.3	-4.4%	-0.5	-0.4%	0.0	0.1%	0.0	0.0%	0.0	0.0%
40	REDMTN40	4	3	71.8	524.0	359.1	137.2	26.1	3.4	0.2	71.8	486.3	347.6	136.5	25.8	3.4	0.2	0.0	-37.7	-7.2%	-11.5	-3.2%	-0.7	-0.5%	-0.3	-1.0%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	1	2	72.3	553.5	403.8	128.3	24.1	4.2	0.2	72.3	524.6	345.1	117.7	23.7	4.2	0.2	0.0	-28.9	-5.2%	-58.7	-14.5%	-10.6	-8.2%	-0.3	-1.4%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	1	3	70.7	540.2	409.7	122.6	23.0	3.2	0.2	70.7	485.9	352.9	122.2	23.0	3.2	0.2	0.0	-54.3	-10.0%	-56.8	-13.9%	-0.4	-0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	1	4	70.9	513.7	364.4	123.6	23.3	3.1	0.1	70.9	458.6	350.3	122.7	23.3	3.1	0.1	0.0	-55.1	-10.7%	-14.1	-3.9%	-0.9	-0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	1	5	71.5	542.6	359.0	129.6	23.5	3.1	0.1	71.5	487.5	343.5	129.1	23.6	3.1	0.1	0.0	-55.0	-10.1%	-15.5	-4.3%	-0.6	-0.4%	0.0	0.2%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	1	6	71.9	520.9	356.6	136.6	26.4	3.4	0.2	71.9	483.4	344.9	135.9	26.1	3.4	0.2	0.0	-37.5	-7.2%	-11.7	-3.3%	-0.7	-0.5%	-0.3	-1.1%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	2	2	73.0	528.0	386.5	129.1	13.2	4.4	0.2	73.0	511.6	325.3	116.9	12.4	4.4	0.2	0.0	-16.4	-3.1%	-61.2	-15.8%	-12.2	-9.4%	-0.8	-6.3%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	2	3	71.9	519.3	384.9	108.0	17.7	3.1	0.2	71.9	485.8	324.6	106.3	16.6	3.1	0.2	0.0	-33.5	-6.4%	-60.3	-15.7%	-1.7	-1.6%	-1.1	-6.1%	0.0	0.7%	0.0	0.0%
6	SNOWCAN6	2	4	71.4	514.1	357.0	109.9	23.6	2.9	0.2	71.4	458.1	315.4	108.7	22.6	3.0	0.2	0.0	-56.0	-10.9%	-41.5	-11.6%	-1.2	-1.1%	-0.9	-4.0%	0.0	1.6%	0.0	0.0%
6	SNOWCAN6	2	5	72.2	509.1	326.4	106.2	24.0	3.7	0.2	72.2	452.1	310.3	105.0	23.1	3.0	0.2	0.0	-57.0	-11.2%	-16.1	-4.9%	-1.2	-1.2%	-0.9	-3.9%	-0.7	-17.9%	0.0	0.0%
6	SNOWCAN6	2	6	71.8	476.2	324.1	112.1	24.3	3.1	0.1	71.8	432.3	311.9	110.8	23.4	3.1	0.1	0.0	-43.9	-9.2%	-12.2	-3.8%	-1.3	-1.2%	-0.9	-3.6%	0.0	0.8%	0.0	0.0%
Snow Canyon SP																														
6	SNOWCAN6	2	2	73.0	528.0	386.5	129.1	13.2	4.4	0.2	73.0	511.6	325.3	116.9	12.4	4.4	0.2	0.0	-16.4	-3.1%	-61.2	-15.8%	-12.2	-9.4%	-0.8	-6.3%	0.0	0.0%	0.0	0.0%
6	SNOWCAN6	2	3	71.9	519.3	384.9	108.0	17.7	3.1	0.2	71.9	485.8	324.6	106.3	16.6	3.1	0.2	0.0	-33.5	-6.4%	-60.3	-15.7%	-1.7	-1.6%	-1.1	-6.1%	0.0	0.7%	0.0	0.0%
6	SNOWCAN6	2	4	71.4	514.1	357.0	109.9	23.6	2.9	0.2	71.4	458.1	315.4	108.7	22.6	3.0	0.2	0.0	-56.0	-10.9%	-41.5	-11.6%	-1.2	-1.1%	-0.9	-4.0%	0.0	1.6%	0.0	0.0%
6	SNOWCAN6	2	5	72.2	509.1	326.4	106.2	24.0	3.7	0.2	72.2	452.1	310.3	105.0	23.1	3.0	0.2	0.0	-57.0	-11.2%	-16.1	-4.9%	-1.2	-1.2%	-0.9	-3.9%	-0.7	-17.9%	0.0	0.0%
6	SNOWCAN6	3	1	72.8	537.9	385.9	154.3	15.4	4.3	0.4	72.8	502.7	331.2	85.7	10.7	4.3	0.4	0.0	-35.2	-6.6%	-54.7	-14.2%	-68.6	-44.5%	-4.7	-30.6%	-0.1	-1.8%	0.0	0.0%
6	SNOWCAN6	3	2	73.4	510.8	364.5	105.6	13.0	3.6	0.2	73.4	484.3	299.6	88.6	11.1	3.2	0.2	0.0	-26.5	-5.2%	-64.9	-17.8%	-17.0	-16.1%	-1.9	-14.6%	-0.4	-11.0%	0.0	0.0%
6	SNOWCAN6	3	3	72.7	499.5	377.3	100.8	13.2	3.4	0.2	72.7	482.0	313.2	95.8	11.6	3.2	0.2	0.0	-17.5	-3.5%	-64.0	-17.0%	-4.9	-4.9%	-1.5	-11.7%	-0.2	-4.6%	0.0	0.0%
6	SNOWCAN6	3	4	71.6	498.7	345.7	100.2	18.1	3.1	0.2	71.6	440.8	302.6	95.3	16.9	2.9	0.2	0.0	-57.9	-11.6%	-43.1	-12.5%	-4.9	-4.9%	-1.2	-6.7%	-0.1	-4.2%	0.0	-10.4%
6	SNOWCAN6	3	5	71.0	509.4	304.6	97.0	24.4	2.6	0.2	71.0	450.5	288.3	92.7	23.6	2.6	0.2	0.0	-58.9	-11.6%	-16.3	-5.3%	-4.3	-4.4%	-0.7	-3.0%	-0.1	-2.3%	0.0	-0.8%
Spring Creek Canyon WSA																														
37	SORING37	1	1	69.2	344.9	276.5	138.1	28.2	5.9	0.6	69.2	338.4	269.1	136.1	28.3	5.9	0.6	0.0	-6.5	-1.9%	-7.4	-2.7%	-2.0	-1.5%	0.0	0.2%	0.0	0.0%	0.0	0.0%
37	SORING37	2	1	70.2	334.5	264.1	124.4	21.4	2.2	0.5	70.2	327.8	256.5	122.5	21.2	2.2	0.5	0.0	-6.8	-2.0%	-7.5	-2.9%	-1.9	-1.6%	-0.1	-0.7%	0.0	0.0%	0.0	0.0%
37	SORING37	2	2	69.4	332.8	263.6	123.2	22.7	2.1	0.5	69.4	325.8	256.2	123.2	22.8	2.1	0.5	0.0	-6.9	-2.1%	-7.4	-2.8%	0.0	0.0%	0.1	0.5%	0.0	0.0%	0.0	0.0%
37	SORING37	2	3	69.3	338.6	265.8	122.8	29.0	1.6	0.4	69.3	331.6	258.6	123.2	29.0	1.6	0.4	0.0	-7.0	-2.1%	-7.3	-2.7%	0.4	0.3%	0.1	0.3%	0.0	0.0%	0.0	0.0%
37	SORING37	3	1	70.8	329.8	251.1	106.6	20.2	2.3	0.3	70.8	323.0	242.2	106.1	20.3	2.3	0.3	0.0	-6.9	-2.1%	-8.9	-3.6%	-0.5	-0.5%	0.0	0.1%	0.0	0.0%	0.0	0.0%
37	SORING37	3	2	70.4	324.3	249.5	90.0	20.2	2.2	0.3	70.4	317.3	240.9	90.1	20.2	2.2	0.3	0.0	-7.0	-2.2%	-8.6	-3.4%	0.1	0.1%	0.1	0.3%	0.0	0.0%	0.0	0.0%
37	SORING37	3	3	69.7	325.1	259.1	103.5	14.4	2.1	0.3	69.7	317.8	252.1	103.7	14.5	2.1	0.3	0.0	-7.3	-2.2%	-6.9	-2.7%	0.2	0.2%	0.1	0.8%	0.0	0.0%	0.0	0.0%
37	SORING37	4	2	71.0	320.0	239.5	69.2	13.2	2.4	0.3	71.0	311.8	232.4	70.1	13.2	2.4	0.3	0.0	-8.2	-2.6%	-7.1	-3.0%	0.9	1.3%	0.0	0.2%	0.0	0.0%	0.0	0.0%
37	SORING37	4	3	70.8	320.2	233.8	67.0	13.8	2.4	0.3	70.8	311.9	228.7	67.3	13.9	2.4	0.3	0.0	-8.3	-2.6%	-5.0	-2.2%	0.3	0.5%	0.0	0.1%	0.0	0.0%	0.0	0.0%

Table B.26
Noise Level Changes at 4f/303(c) Properties
Cumulative Number of Events Above LAmax Thresholds - 2020
*Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Legend			
< +0.1		< -0.1	
+0.1 to +1.0		-0.1 to -1.0	
+1.1 to +5.0		-1.1 to -5.0	
+5.1 to +10.0		-5.1 to -10.0	
> +10.0		> -10.0	

Grid Group #	Grid Group Name	Column in Grid Group	Row in Grid Group	LA(max) 2020 w/ Existing Airport	Number of Events Per Average Day Above LAmax Thresholds with Existing Airport 2020						LA(max) 2020 w/ Repl. Airport	Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020						LAmax 2020 Net Change	Change in Number of Events Per Average Day Above LAmax Thresholds with Replacement Airport 2020											
					20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	25 dBA	35 dBA	45 dBA	55 dBA	65 dBA		20 dBA	%	25 dBA	%	35 dBA	%	45 dBA	%	55 dBA	%	65 dBA	%
Taylor Creek WSA																														
13	ZION13	3	4	71.6	338.8	252.5	113.6	21.0	2.5	0.4	71.6	330.8	243.9	112.1	21.0	2.5	0.4	0.0	-8.0	-2.4%	-8.6	-3.4%	-1.5	-1.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%
Tunnel Spring WSA																														
43	TUNEL43	1	1	70.6	150.6	70.6	17.2	3.6	0.2	0.1	70.6	150.6	70.6	17.2	3.6	0.2	0.1	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	1	2	70.5	140.5	53.7	16.6	3.8	0.2	0.0	70.5	140.5	53.7	16.6	3.8	0.2	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	2	1	70.6	170.7	73.3	17.6	4.1	0.3	0.0	70.6	170.7	73.3	17.6	4.1	0.3	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	2	2	70.7	155.5	70.7	16.4	4.1	0.4	0.0	70.7	155.5	70.7	16.4	4.1	0.4	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	2	3	70.7	139.5	54.9	15.5	3.8	0.4	0.0	70.7	139.5	54.9	15.5	3.8	0.4	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	3	1	70.7	174.0	77.3	17.0	4.1	0.3	0.0	70.7	174.0	77.3	17.0	4.1	0.3	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	3	2	70.4	172.4	78.2	16.0	3.8	0.3	0.0	70.4	172.4	78.2	16.0	3.8	0.3	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
43	TUNEL43	3	3	70.7	158.7	69.4	15.4	3.6	0.3	0.0	70.7	158.7	69.4	15.4	3.6	0.3	0.0	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%
The Watchman WSA																														
11	ZION11	1	2	68.5	455.2	361.0	186.8	45.3	2.8	0.2	68.5	454.1	363.3	186.9	45.3	2.8	0.2	0.0	-1.1	-0.2%	2.3	0.6%	0.1	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%
11	ZION11	1	3	70.8	440.7	351.3	179.8	44.7	3.3	0.2	70.8	438.0	352.8	180.0	44.8	3.3	0.2	0.0	-2.7	-0.6%	1.6	0.4%	0.3	0.1%	0.1	0.3%	0.0	1.3%	0.0	0.0%
Little Black Mountain Petroglyph Site																														
18	NEWGRID5	1	1	64.0	564.4	381.3	102.2	15.3	3.7	1.0	72.3	583.5	403.1	168.7	41.0	7.6	1.5	8.3	19.0	3.4%	21.8	5.7%	66.5	65.0%	25.6	167.3%	3.9	106.8%	0.4	41.5%



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 DNL
- -10.0 to -5.0 DNL
- -5.0 to 5.0 DNL
- 5.0 to 10.0 DNL
- > 10.0 DNL
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
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School and Institutional Trust Lands Administration (SITLA)
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USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise Levels Above DNL 25 dBA with Proposed Replacement Airport

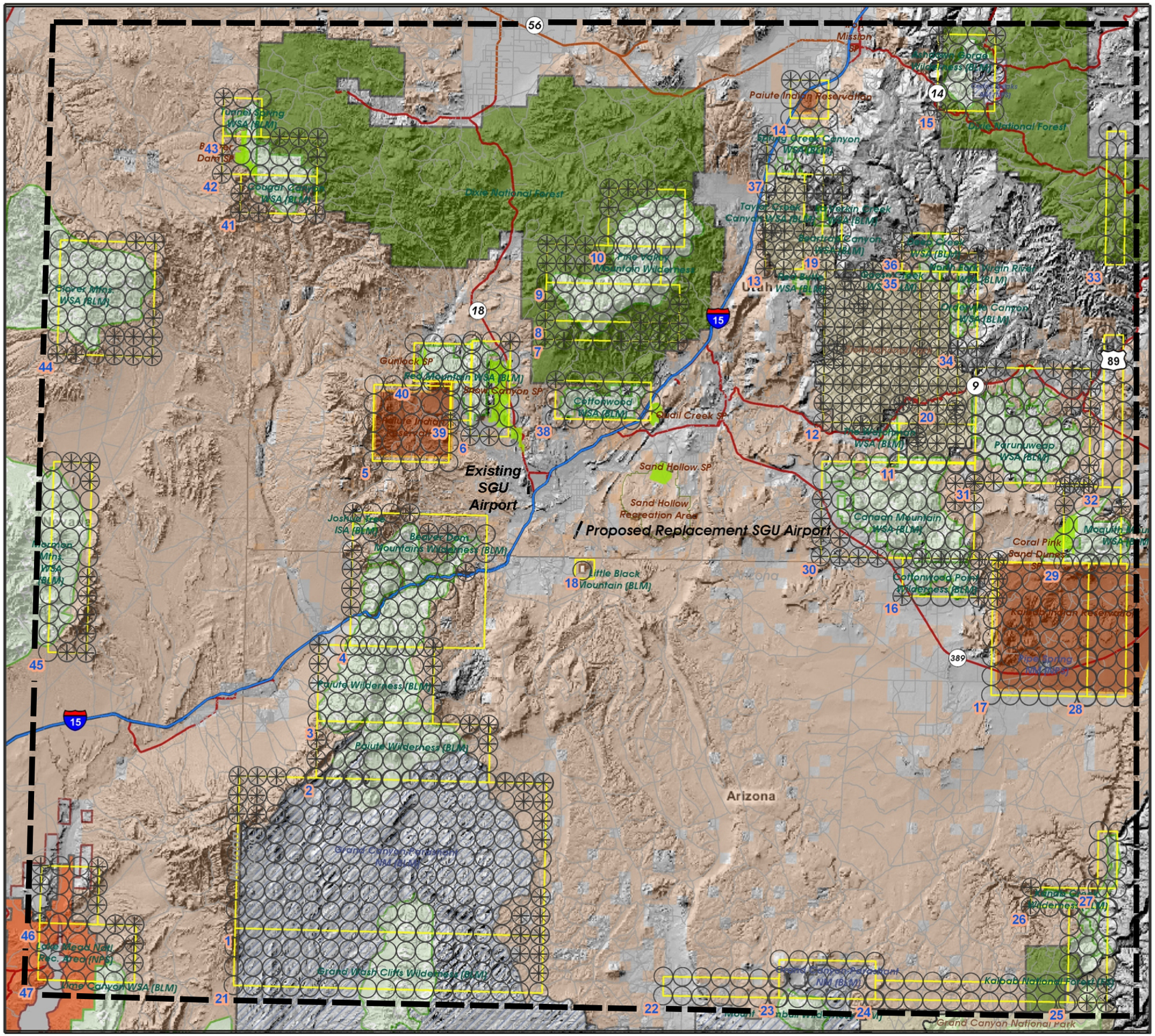
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.37



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 DNL
- -10.0 to -5.0 DNL
- -5.0 to 5.0 DNL
- 5.0 to 10.0 DNL
- > 10.0 DNL
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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Change in 2020 Cumulative Noise Levels Above DNL 25 dBA with Proposed Replacement Airport

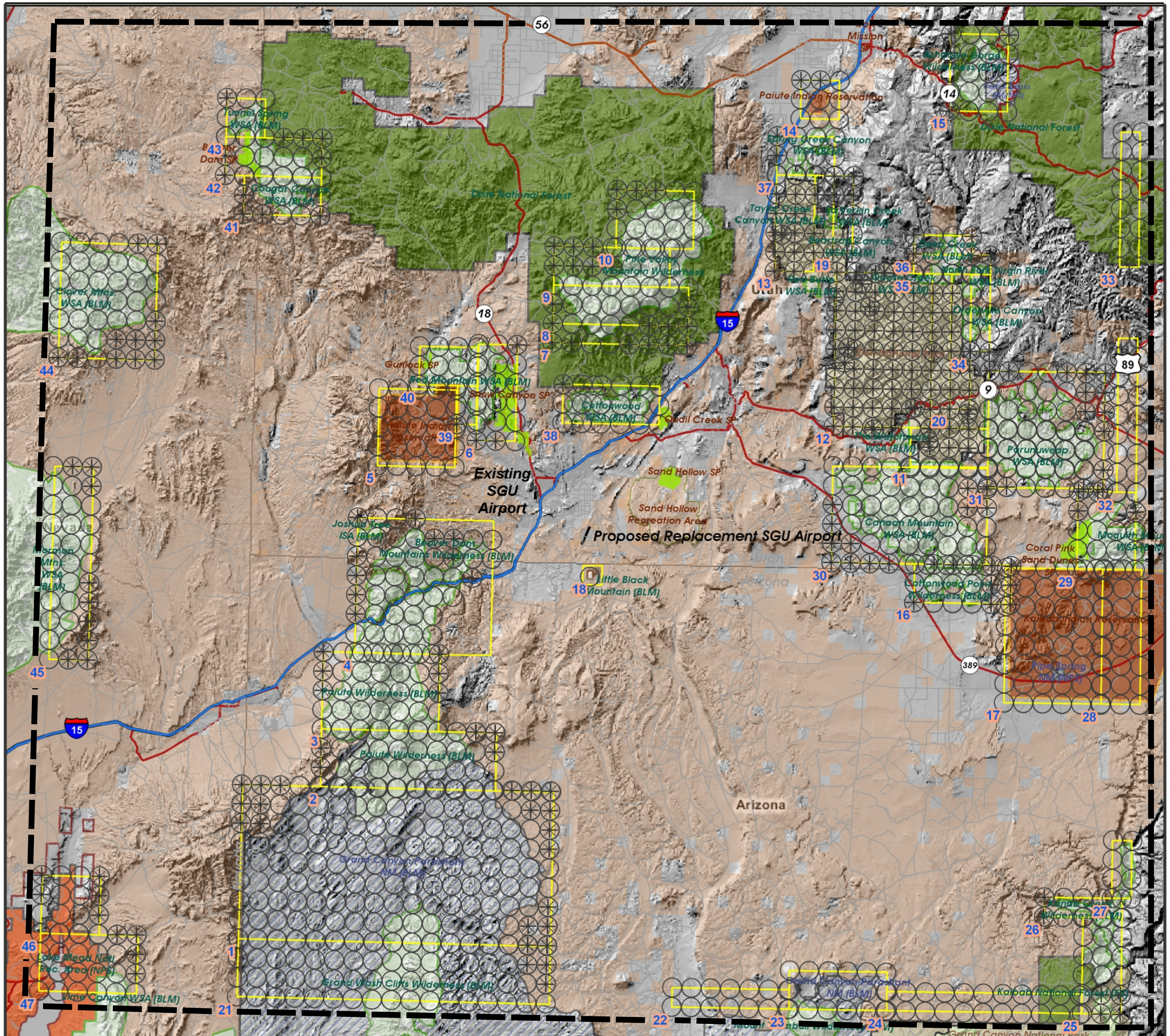
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.38



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 Leq
- -10.0 to -5.0 Leq
- -5.0 to 5.0 Leq
- 5.0 to 10.0 Leq
- > 10.0 Leq
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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Change in 2010 Cumulative Noise Levels Above Leq(24) 25 dBA with Proposed Replacement Airport

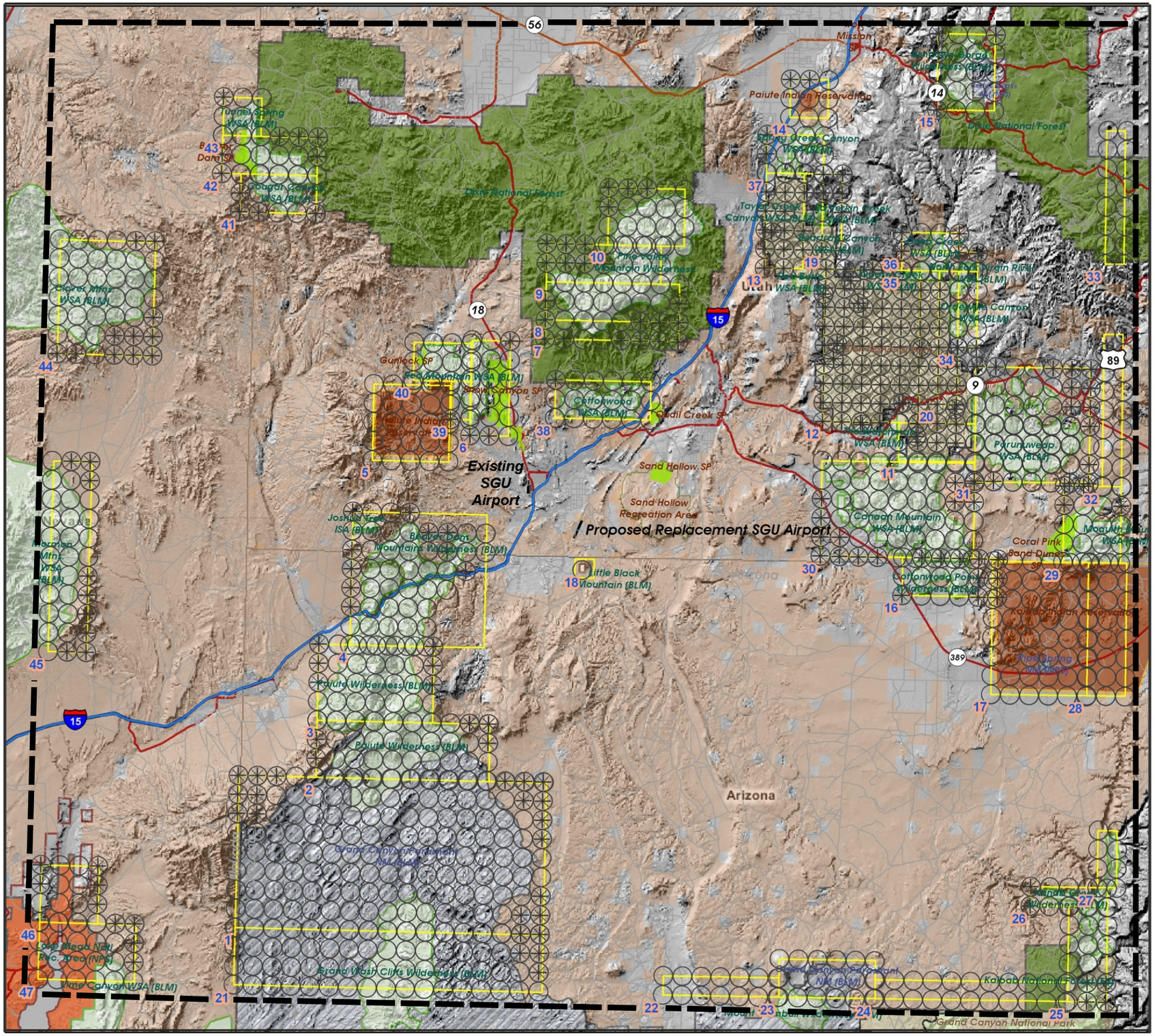
Nautical Miles: 0, 4, 8

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.39



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 Leq
- -10.0 to -5.0 Leq
- -5.0 to 5.0 Leq
- 5.0 to 10.0 Leq
- > 10.0 Leq
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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Change in 2020 Cumulative Noise Levels Above Leq(24) 25 dBA with Proposed Replacement Airport

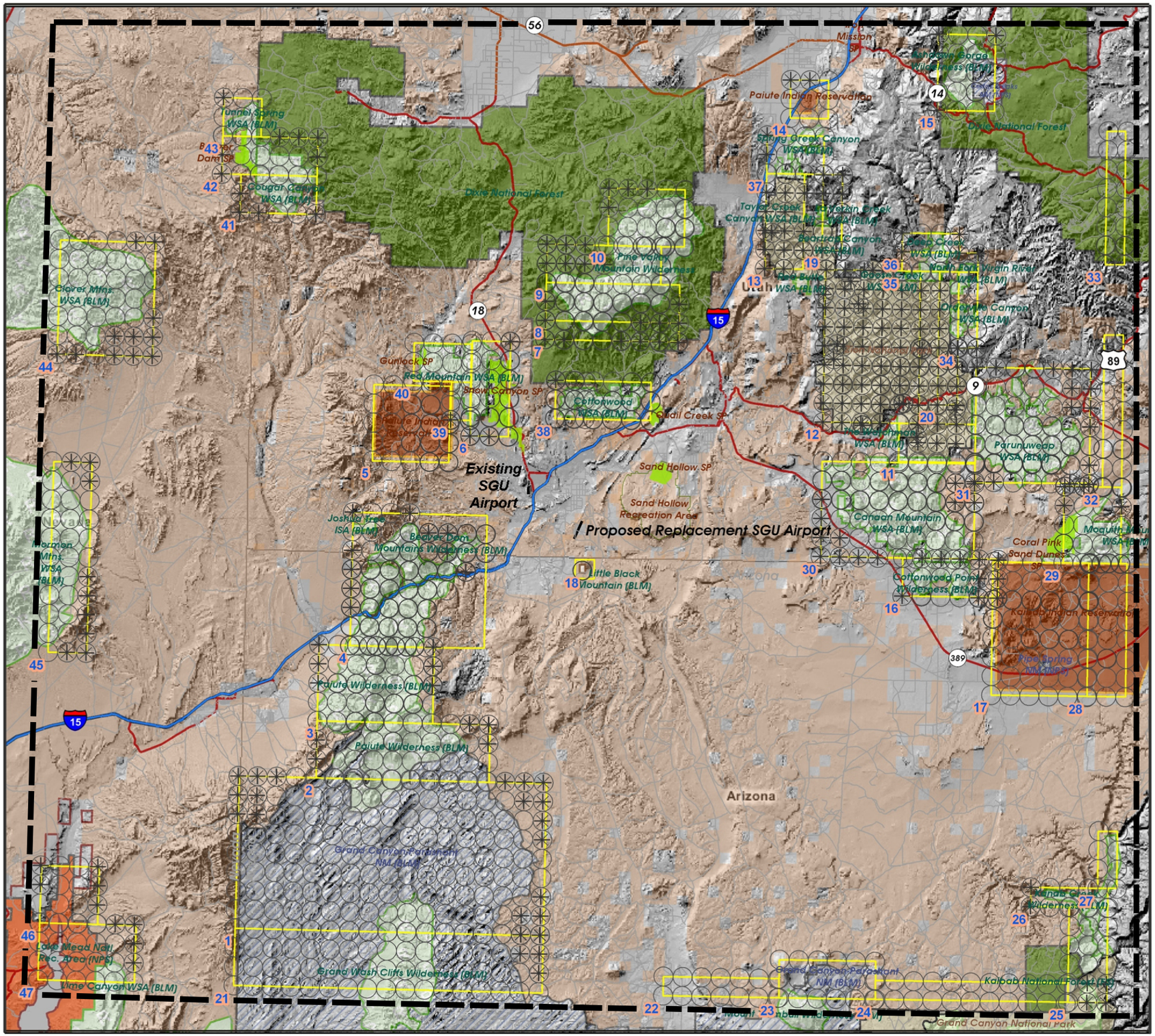
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.40



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 Leq
- -10.0 to -5.0 Leq
- -5.0 to 5.0 Leq
- 5.0 to 10.0 Leq
- > 10.0 Leq
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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Change in 2010 Cumulative Noise Levels Above Leq(D) 25 dBA with Proposed Replacement Airport

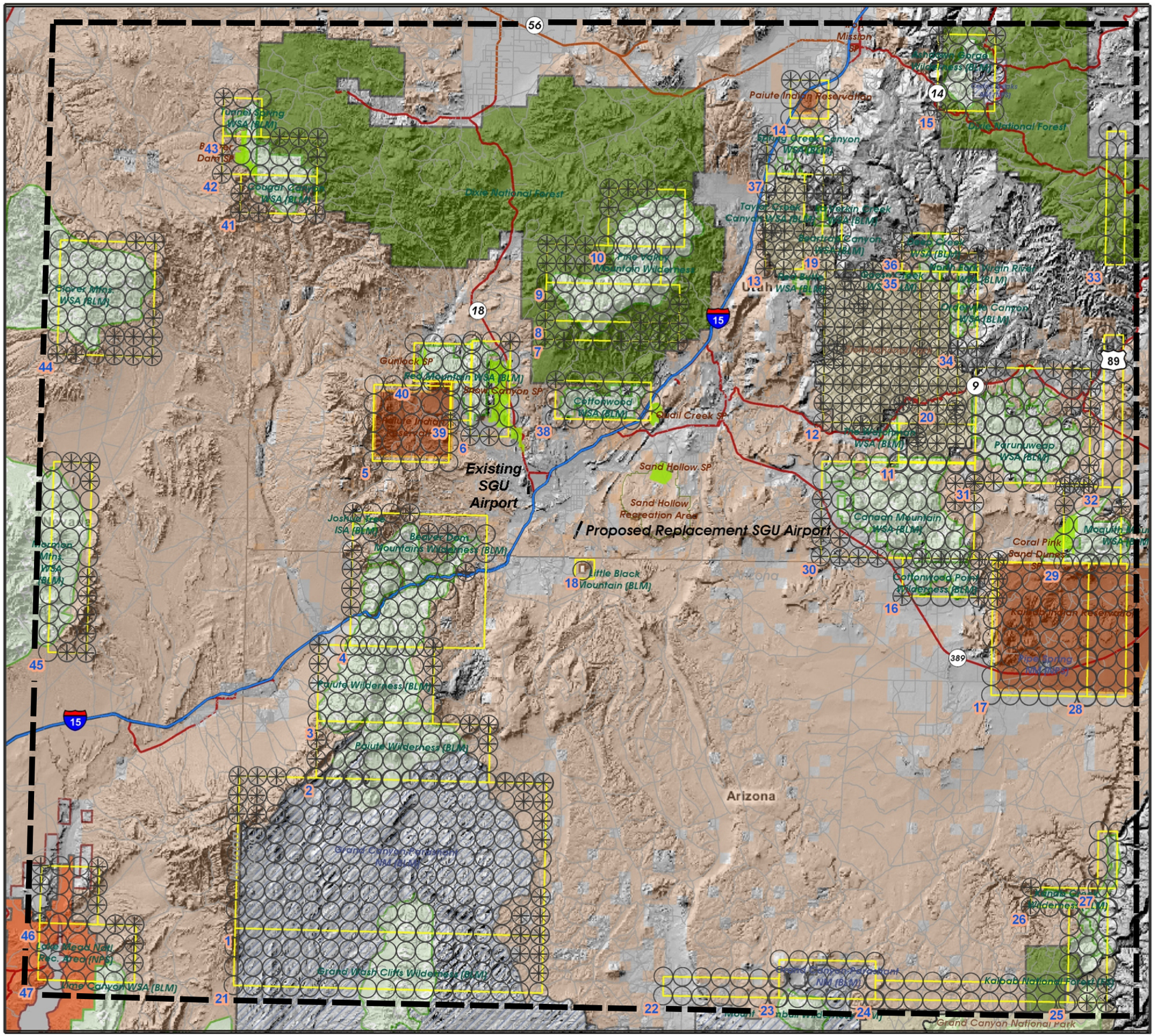
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.41



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 DNL
- -10.0 to -5.0 DNL
- -5.0 to 5.0 DNL
- 5.0 to 10.0 DNL
- > 10.0 DNL
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise Levels Above Leq(D) 25 dBA with Proposed Replacement Airport

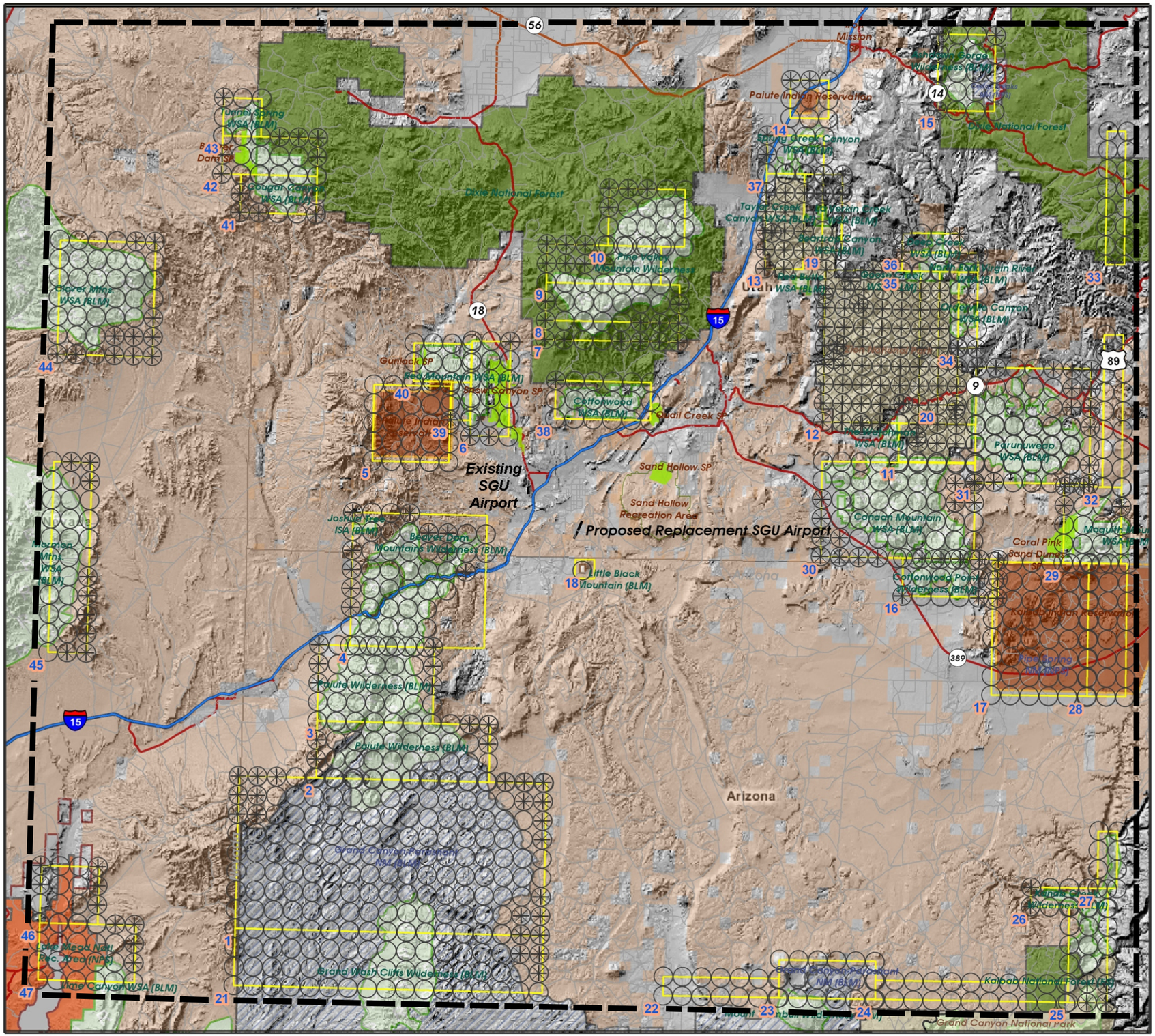
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.42



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
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- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0 DNL
- -10.0 to -5.0 DNL
- -5.0 to 5.0 DNL
- 5.0 to 10.0 DNL
- > 10.0 DNL
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

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http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise Levels Above Leq(D) 25 dBA with Proposed Replacement Airport

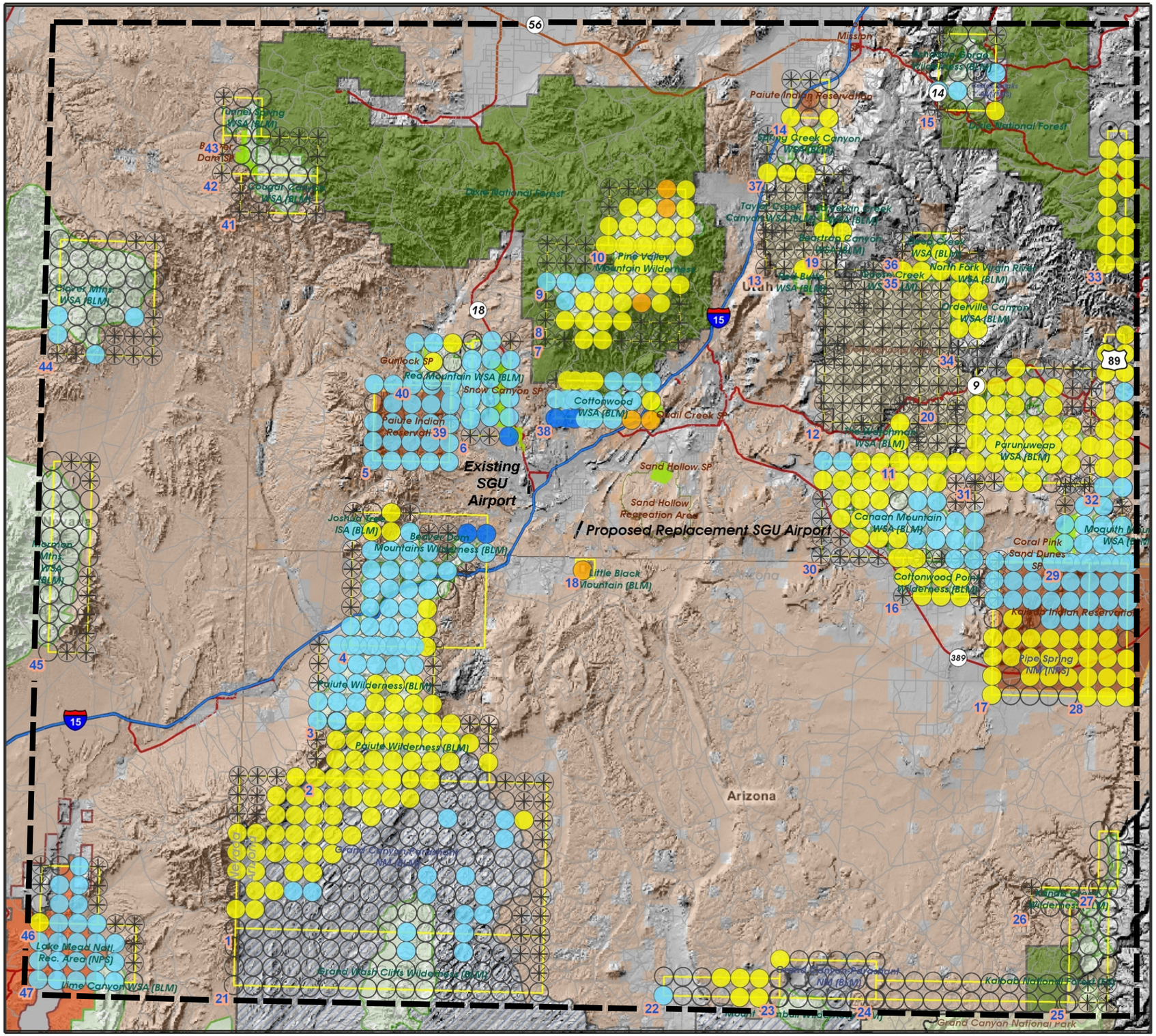
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.42



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- > -30.0 Min.
- -10.0 to -29.9 Min.
- -0.1 to -9.9 Min.
- No Change
- 0.1 to 2.9 Min.
- > 3.0 Min.
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

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USGS Land Use and Land Cover (LULC)
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Change in 2010 Cumulative Noise Levels with Proposed Replacement Airport Time Above 29 dBA

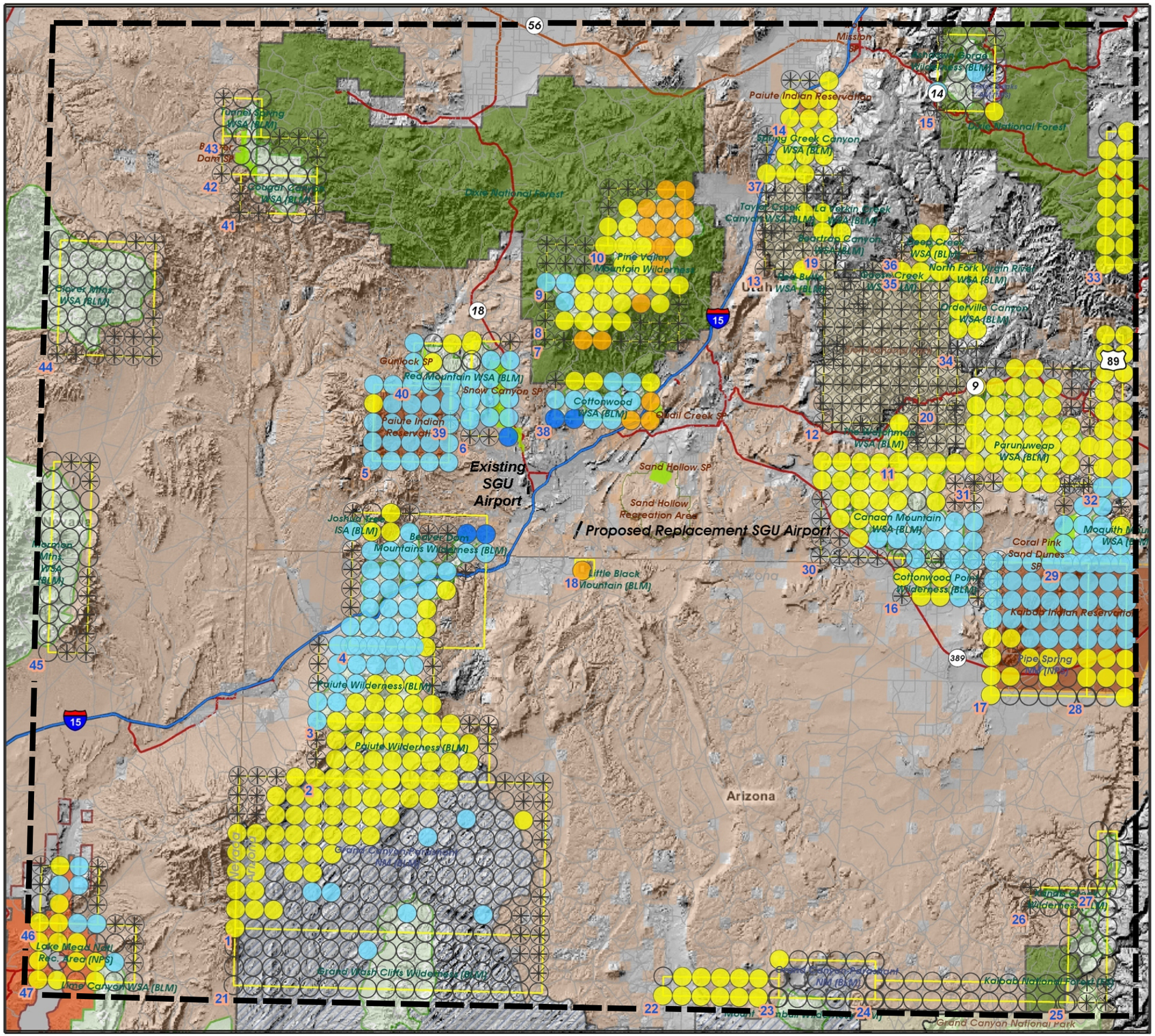
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.43



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- > -30.0 Min.
- -10.0 to -29.9 Min.
- -0.1 to -9.9 Min.
- No Change
- 0.1 to 2.9 Min.
- > 3.0 Min.
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.

Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

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http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise Levels with Proposed Replacement Airport Time Above 29 dBA

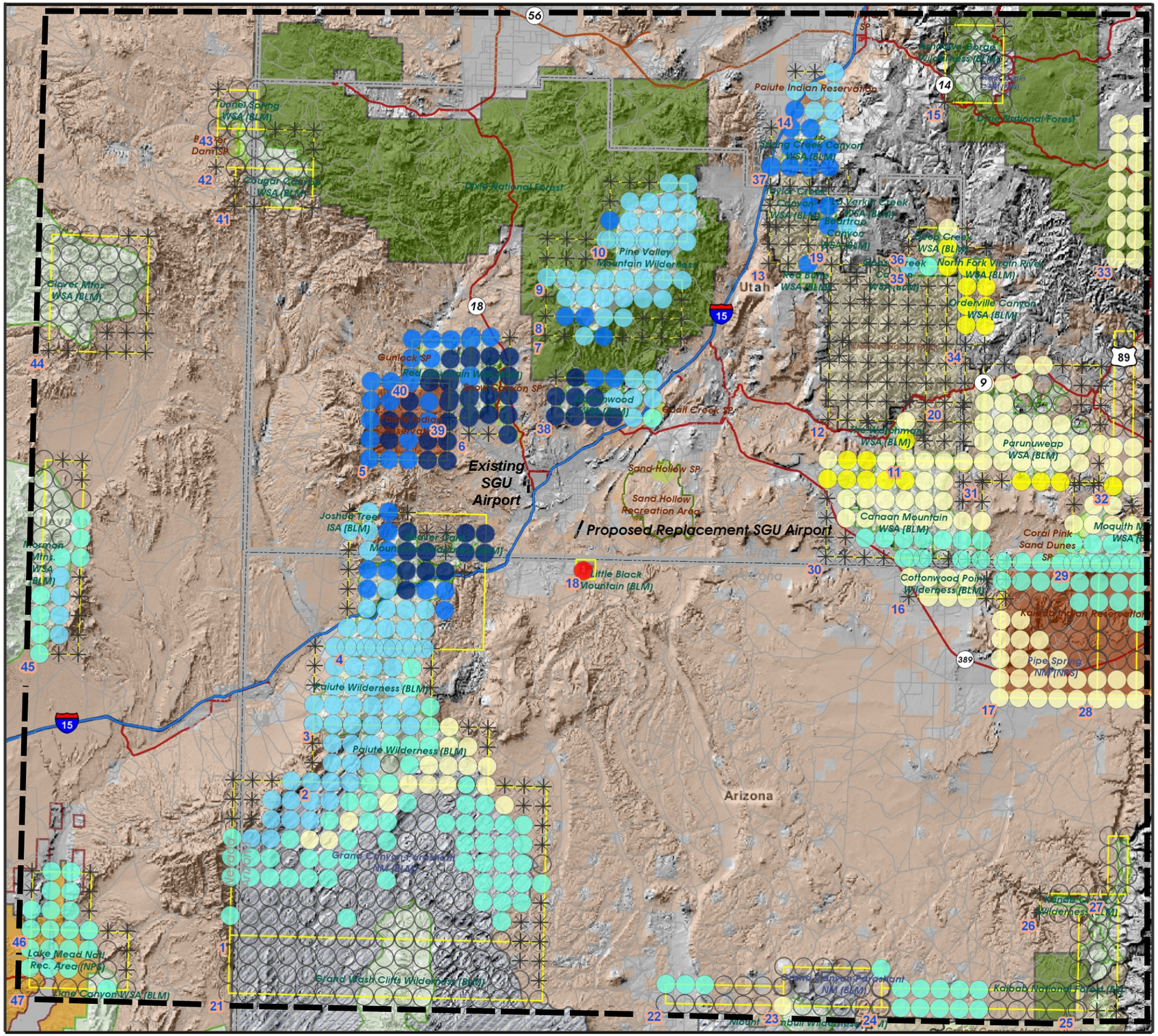
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid.mxd

NORTH

Exhibit

B.44



St. George Municipal Airport Environmental Impact Statement

FEDERAL AVIATION ADMINISTRATION

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise with Replacement Airport Number of Events Above 25 dBA

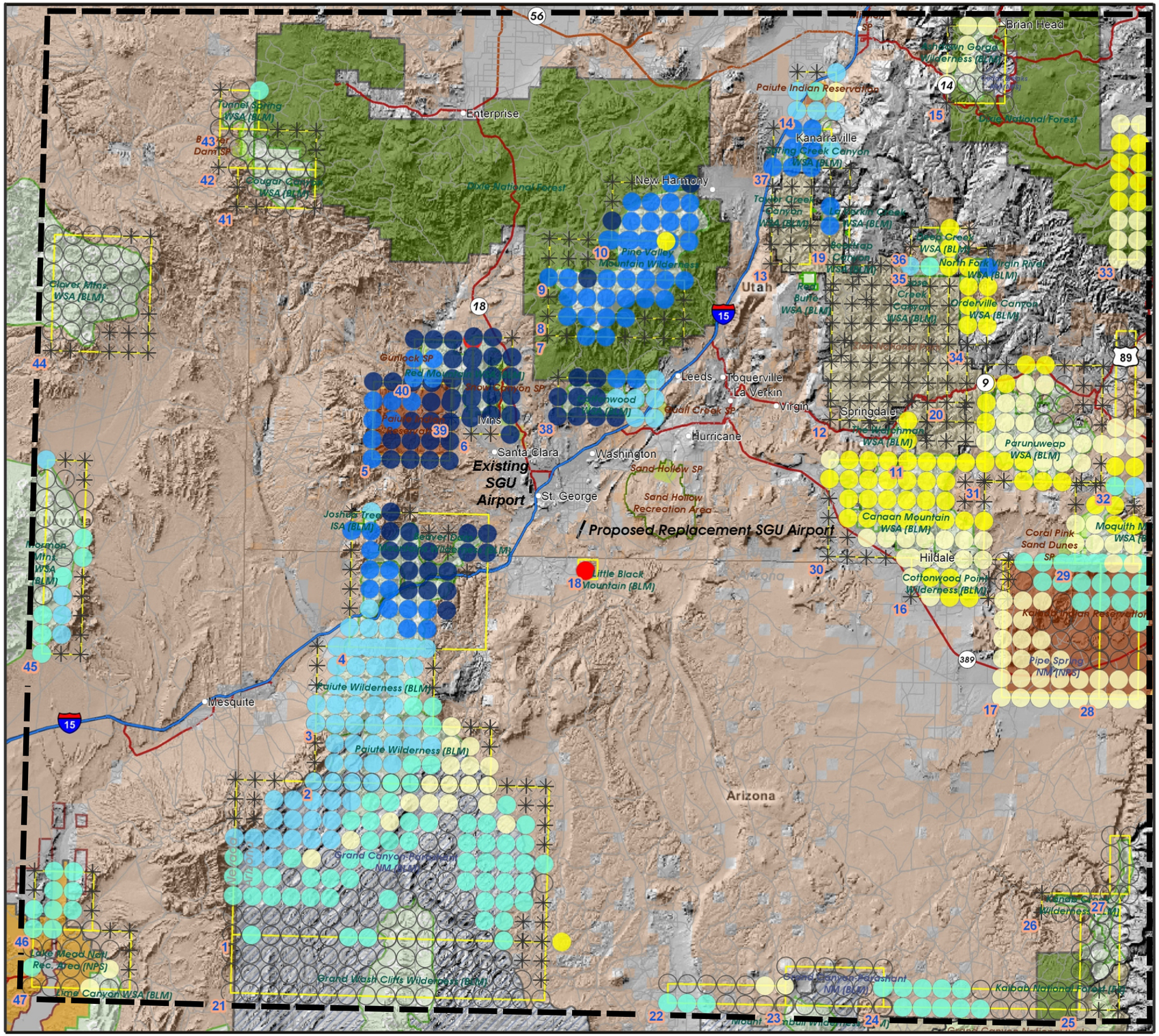
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2010.mxd

NORTH

EXHIBIT

B.45



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
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School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise with Replacement Airport Number of Events Above 25 dBA

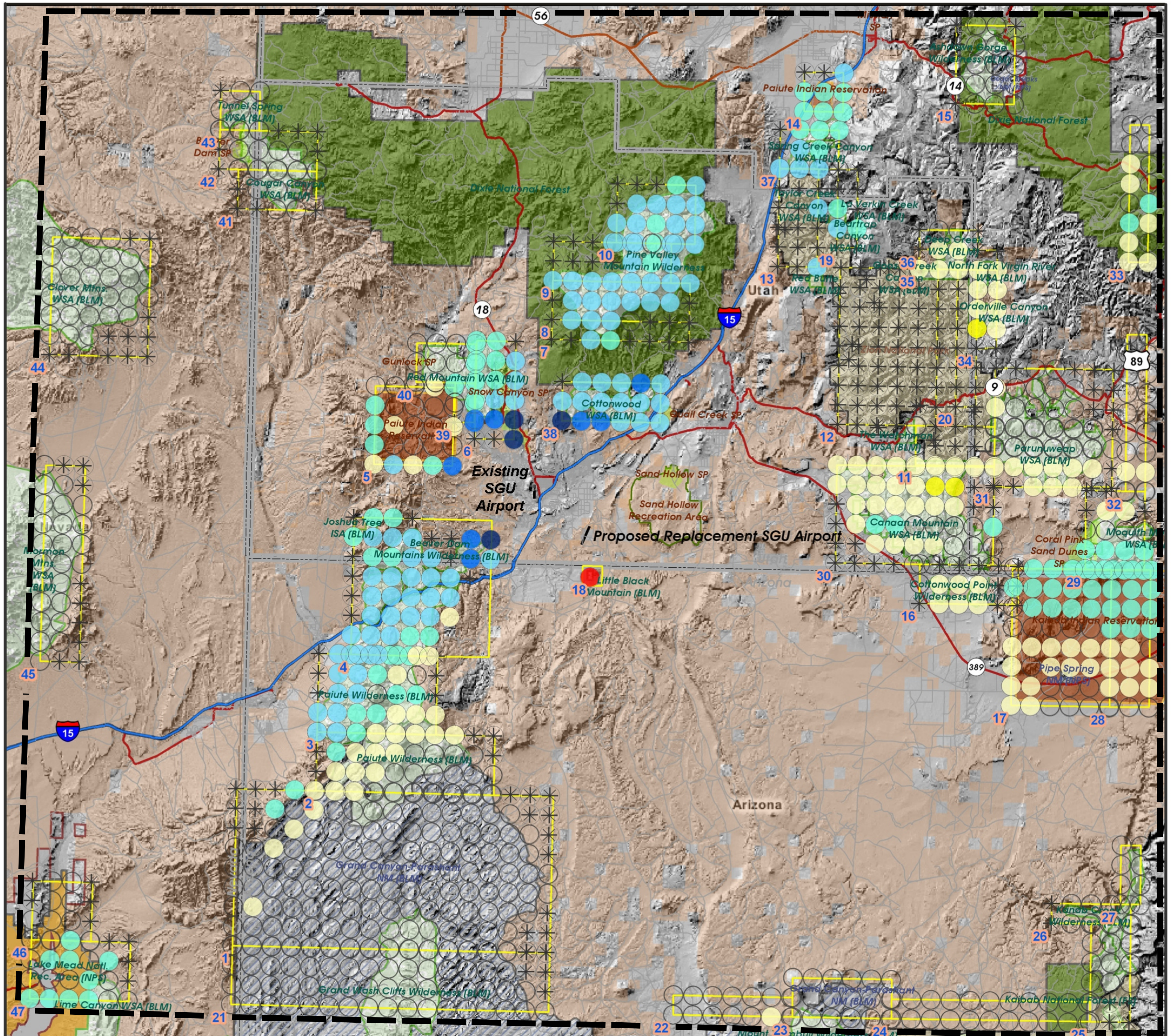
0 4 8 Nautical Miles

04/15/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2020.mxd

NORTH

EXHIBIT

B.46



St. George Municipal Airport
Environmental
Impact
Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- 1 Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise with Replacement Airport Number of Events Above 35 dBA

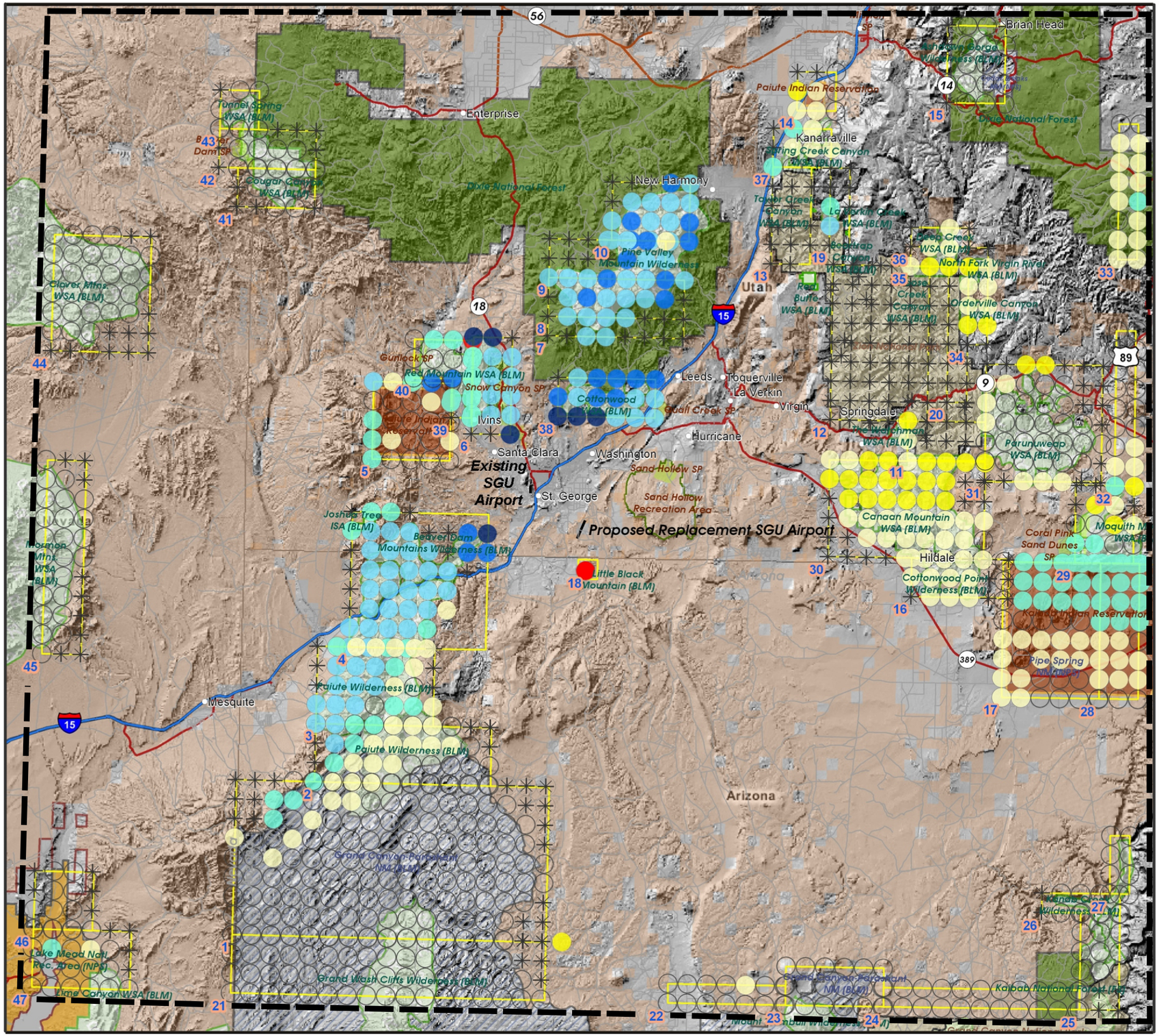
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2010.mxd

NORTH

EXHIBIT

B.47



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise with Replacement Airport Number of Events Above 35 dBA

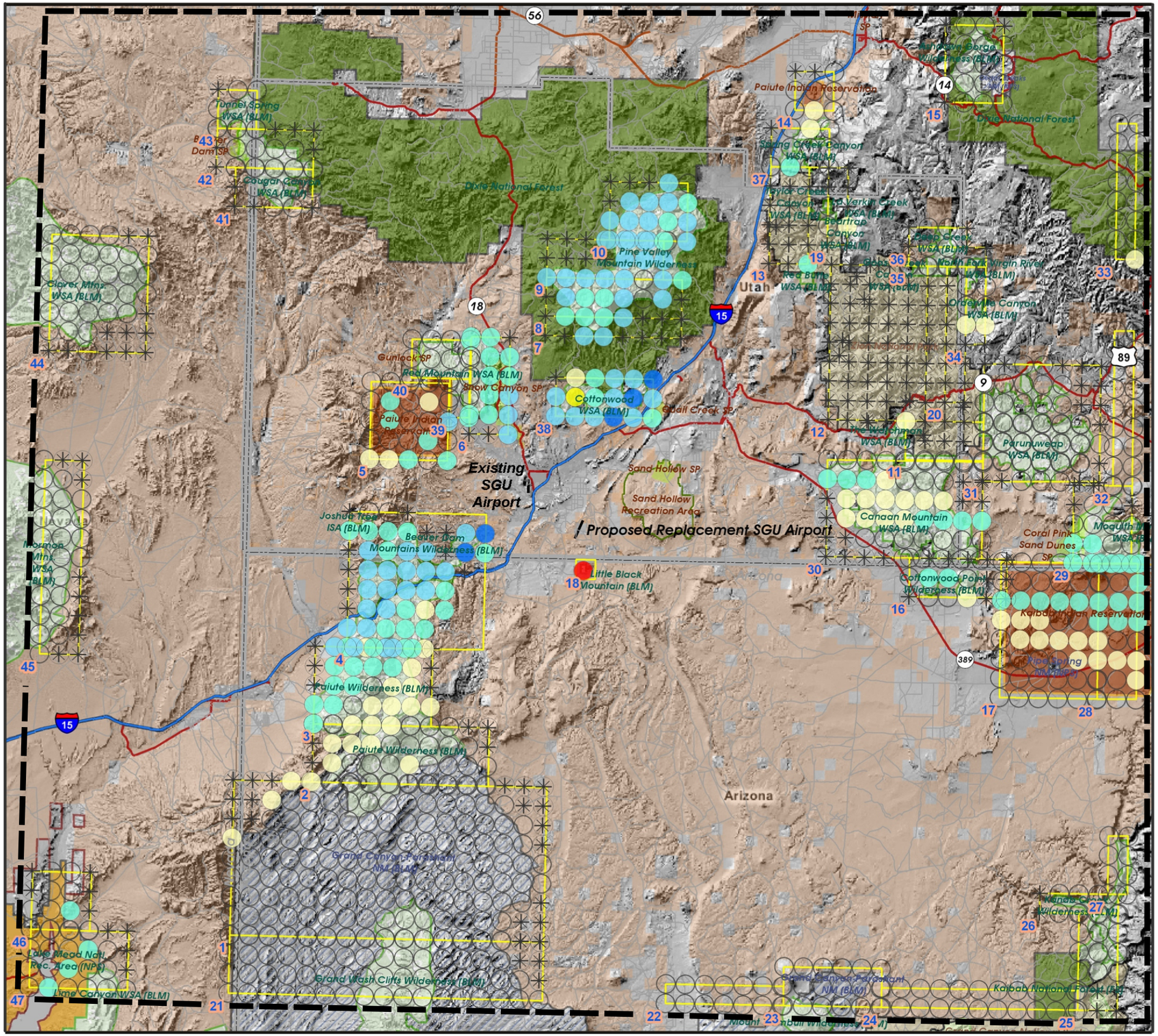
0 4 8 Nautical Miles

04/15/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2020.mxd

NORTH

EXHIBIT

B.48



St. George Municipal Airport Environmental Impact Statement

FEDERAL AVIATION ADMINISTRATION

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise with Replacement Airport Number of Events Above 45 dBA

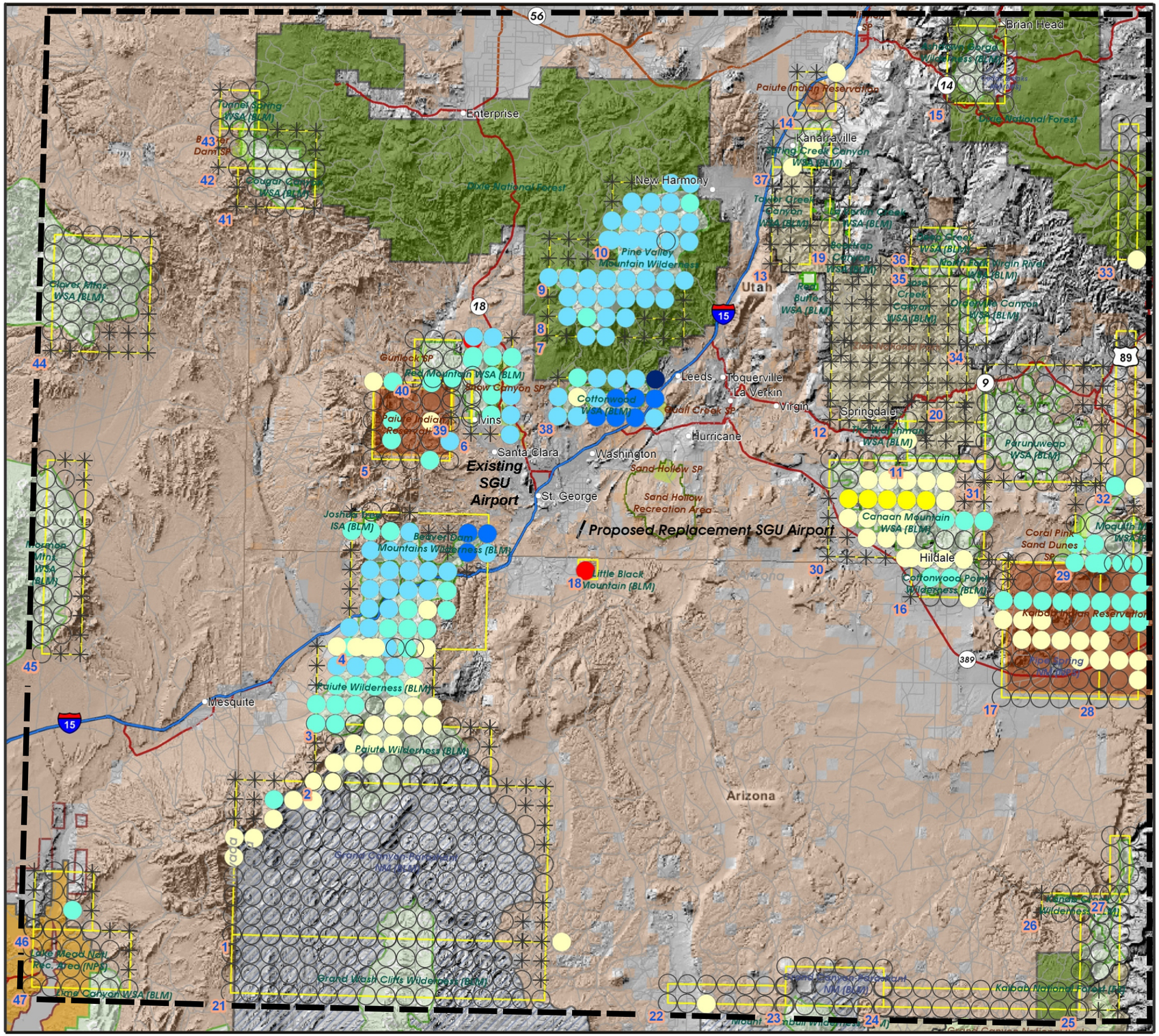
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2010.mxd

NORTH

EXHIBIT

B.49



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise with Replacement Airport Number of Events Above 45 dBA

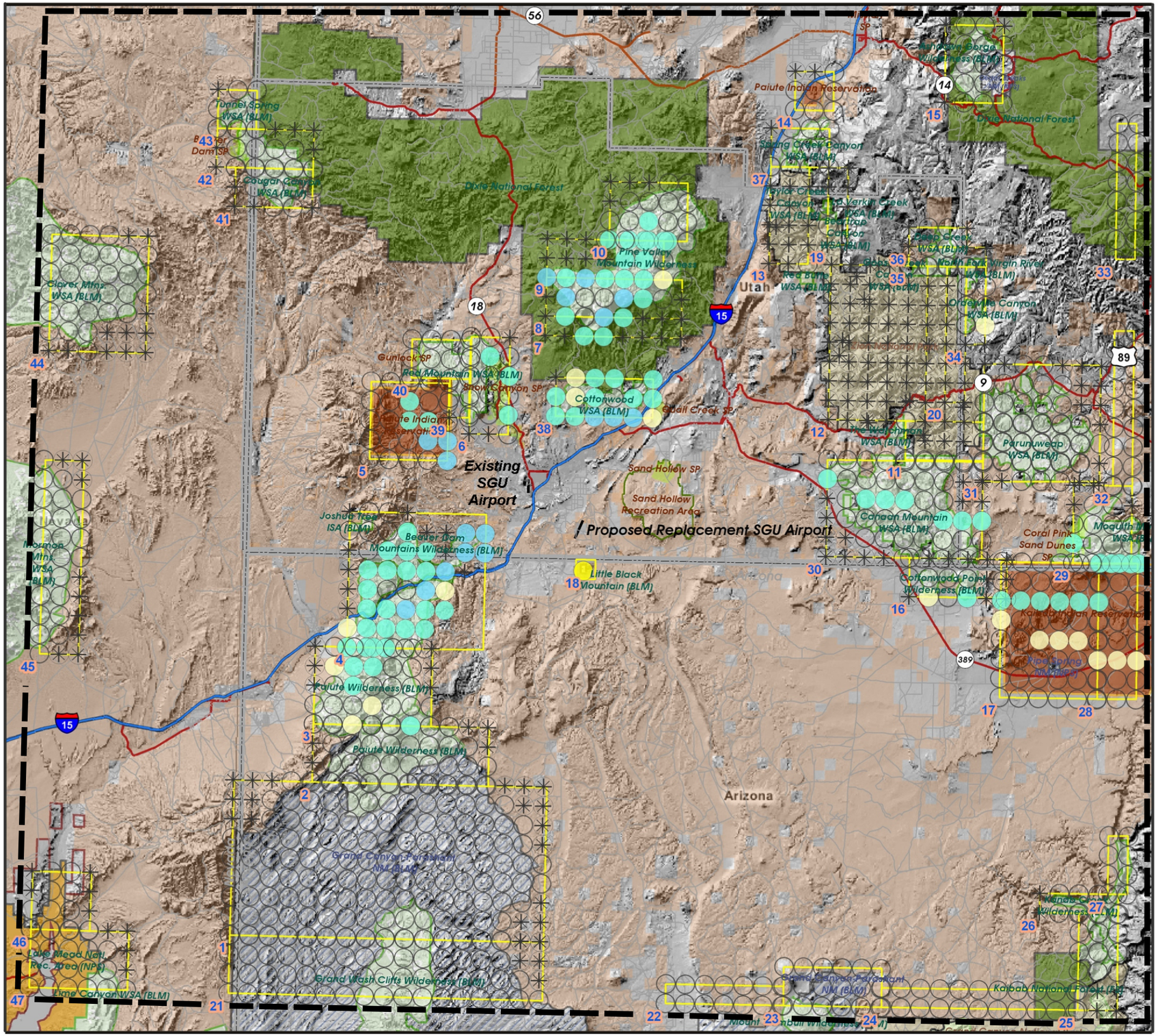
0 4 8 Nautical Miles

04/15/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2020.mxd

NORTH

EXHIBIT

B.50



St. George Municipal Airport Environmental Impact Statement

FEDERAL AVIATION ADMINISTRATION

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise with Replacement Airport Number of Events Above 55 dBA

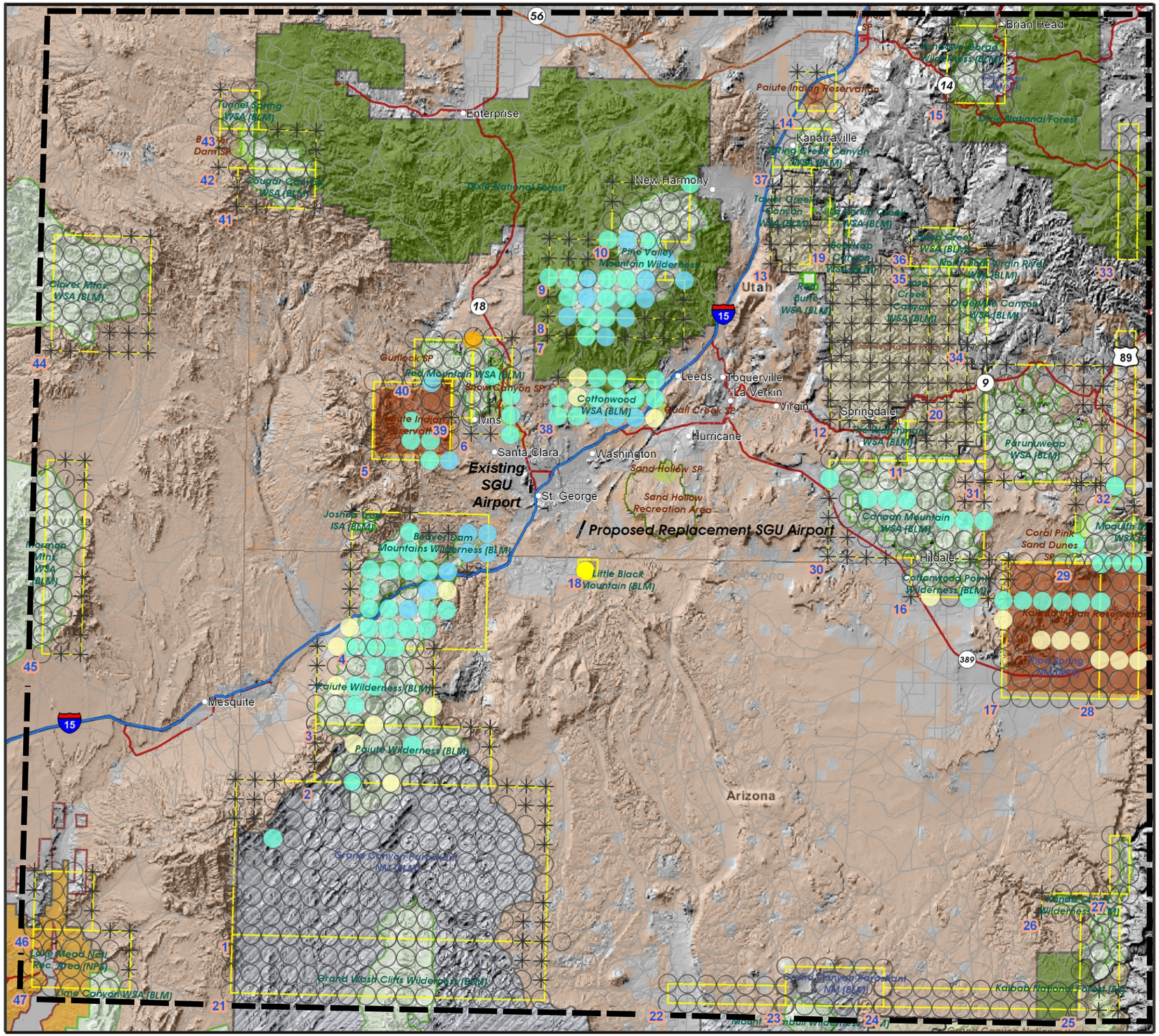
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2010.mxd

NORTH

EXHIBIT

B.51



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

* No grid points experience a decrease in TA 29.1 of more than 30 minutes.
Note: Grid Group Number is placed at lower left corner of grid group.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise with Replacement Airport Number of Events Above 55 dBA

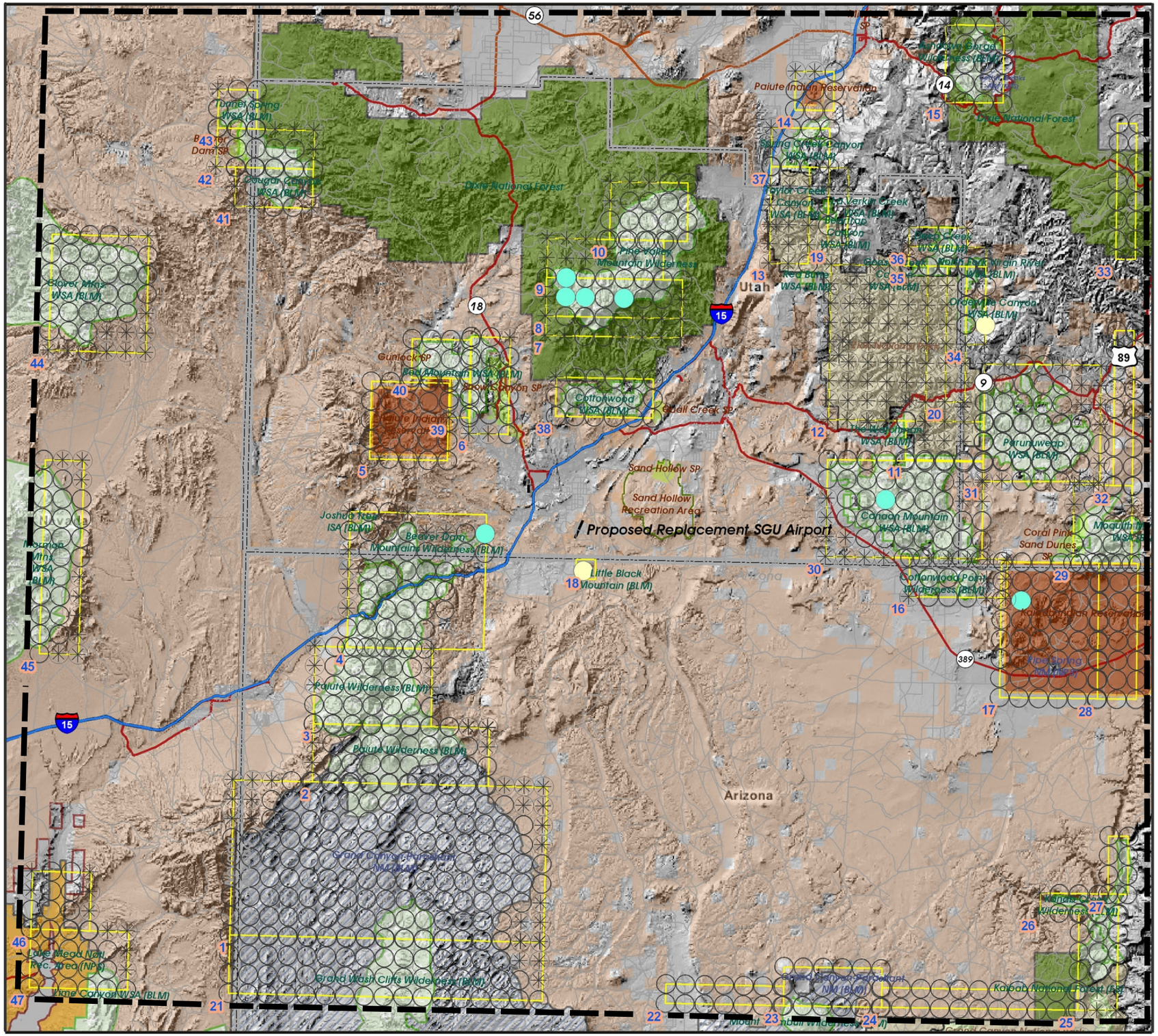
0 4 8 Nautical Miles

04/15/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2020.mxd

NORTH

EXHIBIT

B.52



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.
Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2010 Cumulative Noise with Replacement Airport Number of Events Above 65 dBA

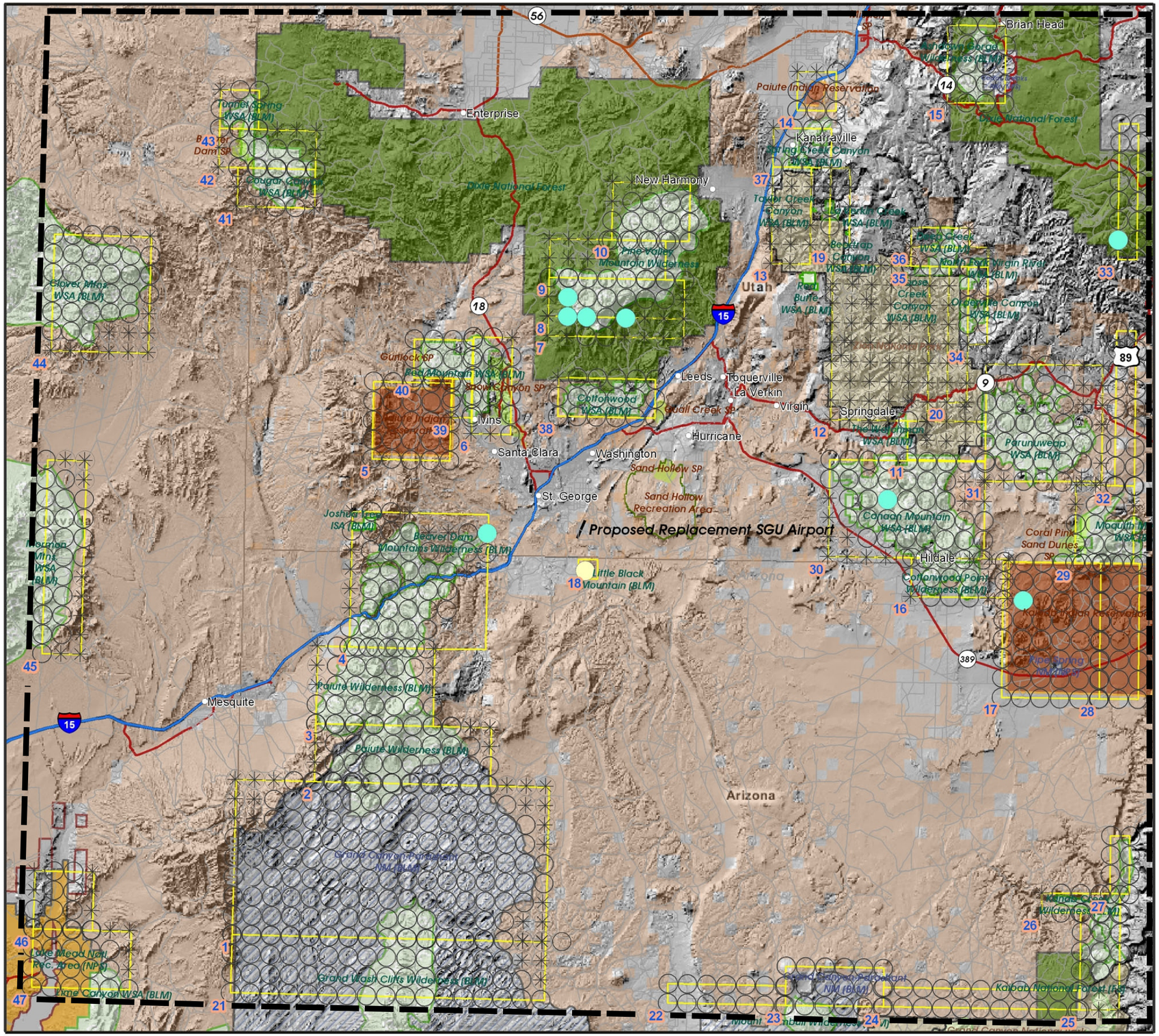
0 4 8 Nautical Miles

06/12/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2010.mxd

NORTH

EXHIBIT

B.53



St. George Municipal Airport Environmental Impact Statement

LEGEND

- Highway
- Interstate
- Street
- National Park
- State Park (SP)
- Bureau of Reclamation
- Indian Reservations
- National Forest
- National Monument
- National Recreation Area
- Wilderness Area
- Wilderness Study Area (WSA)
- Public Domain Land (BLM) and State Lands
- Initial Area of Investigation
- Grid Group Outline
- 1 Grid Group Number
- < -10.0
- -9.9 to -5.0
- -4.9 to -1.0
- -0.9 to -0.1
- -0.09 to 0.1
- 0.1 to 1.0
- 1.0 to 5.0
- 5.0 to 10.0
- > 10.1
- Outside of 4(f)/303(c) Property Boundaries

Note: Grid Group Number is placed at lower left corner of grid group.
Data for Pipe Spring National Monument, Lake Mead National Recreation Area and Cedar Breaks National Monument represents cumulative number of events above 60 dBA.

Source: Landrum & Brown

Base Map Compiled From:

LA ARTCC-SDAT

Utah Automated Geographic Reference Center (AGRC)
http://atlas.utah.gov/, Downloaded 2/04

School and Institutional Trust Lands Administration (SITLA)
http://atlas.utah.gov/, Downloaded 2/04

USGS Land Use and Land Cover (LULC)
http://edc.usgs.gov/, Downloaded 2/04

Change in 2020 Cumulative Noise with Replacement Airport Number of Events Above 65 dBA

0 4 8 Nautical Miles

04/15/05
Prepared by Landrum & Brown
Filename: Y:\SGU\MXD\grid_2020.mxd

NORTH

EXHIBIT

B.54

B.4 NOISE ASSESSMENT - ZION NATIONAL PARK

This section provides information regarding the estimated noise conditions within Zion National Park. As with the other 4(f)/303(c) properties presented in **Section B.3** of this appendix, noise levels described with several different noise metrics were computed using a grid cell methodology. For this analysis, several regular grid arrays were defined over Zion National Park, with intervals of 1.5 nautical miles (approximately 9,114 feet) between points.

Each individual grid point in the analysis can be identified using a simple numbering scheme. A key (legend) for understanding the grid point numbering and naming system is provided on **Exhibit B.55**. The exhibit also illustrates the full range of grid points evaluated for the Zion area. The grid points are numbered on the key and the numbering scheme is consistently used in every data table presented in this section. This grid definition process resulted in the delineation of some 141 points of analysis for noise model input. Due to the irregularities in the boundaries of the Zion park boundaries, a number of these grid points fell just outside of the properties of interest. As a result, these points were removed from the mapping of the results.

B.4.1 SCOPE OF ANALYSIS

This analysis specifically addresses the noise effects within Zion National Park. The effort presents not only that noise expected to result from operation St. George Municipal Airport in it's current or proposed replacement location, but also the noise exposure within the Park that is expected to result from other aviation noise sources. The other aviation noise sources considered for this EIS analysis are:

- High altitude aircraft overflights of the area as identified on radar between origins and destinations outside the Zion National Park boundaries that remain at generally constant altitudes throughout their passage
- Arrivals and departures from the Las Vegas area airports, as identified on radar, that climb to or descend from enroute cruise altitudes across the initial area of investigation
- Operations conducted by ATOs that do not stop at the St. George Municipal Airport during their tour of scenic areas in the west
- Operations at seven other airports within the initial area of investigation
- Itinerant general aviation traffic crossing over, but not stopping within, the initial area of investigation along the Victor Airways
- Military operations on special military training routes through the area

Importantly, each of these components of cumulative noise are, with the exception of minor variations among air tour operations, forecast to contribute the same amount of noise to the study environs whether the St. George Municipal Airport is located at its current site or relocated to the proposed site. Thus, the only difference for each future year of analysis between the cumulative noise characteristics and metrics at any location within Zion National Park will be the result of changes anticipated for the proposed replacement airport location.

B.4.1.1 Noise Metrics

The following noise metrics were computed at each of the 141 grid points in the Zion grids.

- DNL
- $Leq_{(24hr)}$ & $Leq_{(day-15hr)}$
- Time Above Ambient (Natural), Time Above Ambient (Existing), and Time Above 45.0 dB
- LAmax
- Number of Events Above 20, 25,35,45,55,60 dBA Thresholds

The level of reportability varies by the metric reported. In the case of DNL, $Leq_{(day)}$, and $Leq_{(24\ hours)}$, the change of noise level is considered notable if the difference between the No-Action condition (existing airport) and With Project condition (relocated airport) is 5 dBA or more, while the cumulative noise level is greater than the identified existing or natural ambient level at the grid point. The number of events above a given dBA level is an indication of the average daily occurrence of aircraft operations within various ranges of Lmax at a given grid location. There were no specific thresholds of change identified for the analysis of the Number of Events Above various noise levels or the Time Above Ambient metrics. Consequently, the ranges of change for these metrics were selected based on the nature of the resulting data and ease of understanding for the reader. Also, it is notable that two ambient noise levels (Existing and Natural) have been identified and investigated for the Zion National Park grid points. The following paragraphs present an overview of the ambient measurements used to define these levels.

B.4.1.2 Noise Measurements and Ambient Noise Mapping

One of the requirements imposed by the Federal court for the reassessment of the potential noise effects of the proposed airport at St. George was the consideration of noise measurements collected at Zion National Park in 1995 and 1998. Information regarding these measurement programs was assessed by Volpe National Transportation Center staff to determine their utility in describing the ambient noise conditions in the Park. Volpe found that the relatively short data collection periods (typically a few hours) of the 1996 and 1998 programs were not of sufficient length to provide an adequate basis for description of long-term ambient noise levels, particularly for all frequency ranges.

In May 2002, a third noise measurement report was published to describe noise conditions at thirteen locations at Zion National Park. That measurement program collected data at thirteen sites and was conducted over four week period during four seasons of the year.[2] One-third octave band data was compiled at several of the sites, and substantial observer logs of the data were available. Again, acoustic staff at the Volpe National Transportation Center evaluated the noise measurement information and found it adequate to prepare an acoustic map of $L50_{(existing)}$ ambient levels throughout the park. The $L50_{(existing)}$ ambient level is that level of noise that

[2] At six locations, winter measurements were not collected owing to the difficulty of reaching the site during high snow conditions.

is exceeded 50 percent of the time of the measurement – or the median noise level. The report documenting the evaluation of the data and process applied to the development of the map is attached as **Attachment B-1** of this appendix.

After coordination between the FAA and the National Parks Service, it was determined that an additional ambient metric would be computed to allow the determination of the Time Above and number of events above the $L50_{(natural)}$ ambient levels within Zion National Park. The $L50_{(natural)}$ ambient level is a computed noise level based on the $L50_{(existing)}$ level, but which has had all human-induced sounds (voices, mechanical equipment, aircraft, etc.) removed from consideration before the median level is determined. Within the park, the $L50_{(natural)}$ levels are typically several dBA less than the $L50_{(existing)}$ level.

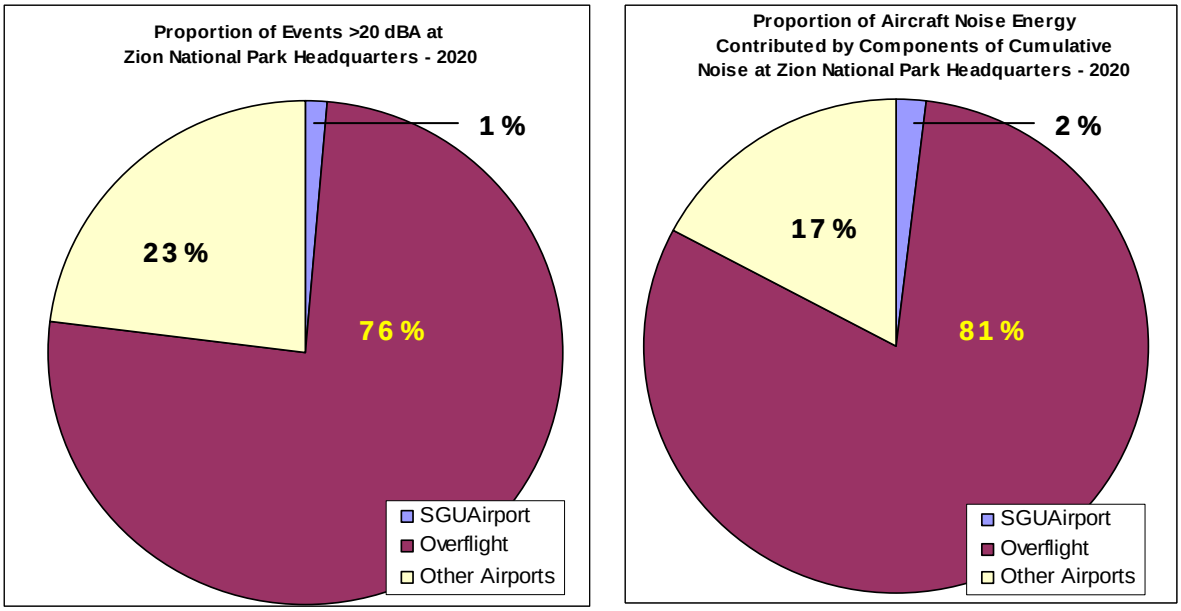
Table B.14, presented in **Section B.1** of this appendix, provides a comparison of the measured and computed L50 ambient levels used in assessment of the potential of the proposed airport relocation to effect noise levels in Zion National Park. The computed L50 levels were used to prepare maps of natural and existing ambient noise levels in the park. These maps were presented in **Section B.1** of this appendix on **Exhibit B.20** for $L50_{(existing)}$ and **Exhibit B.21** for $L50_{(natural)}$ ambient levels. The INM was used to compute the amount of time the two ambient noise levels were exceeded by various components of the aviation activity over the area, and the change associated with the proposed project action was mapped to determine those areas where the airport relocation would increase or decrease aircraft noise levels in the Park if there is no project action. The results of these analyses will be discussed in the subsequent section.

B.4.2 Noise Analysis Results

As previously described, it is the noise from all sources that contributes to the potential noise effect on the property of interest. Therefore, the cumulative total noise, and the degree of change in the cumulative noise, is reported for each grid point. Changes attributable to the airport alone are provided for informational purposes, but are important only as a subset of the cumulative noise effect. The various tables provided to disclose noise levels at each 4(f)/303(c) location indicate not only the cumulative noise effects, but also the noise levels for the existing and replacement airport conditions. Any difference between the two cases is related to the change of airport location at St. George.

As an illustration of the context of the noise exposure composition in the Zion environs, **Figure B.1** indicates the relationship between the total aircraft noise energy modeled for the Zion Headquarters area and the number of noise events above 20 dBA modeled for the site. As is indicated by **Figure B.1**, the noise associated with overflights from airports beyond the initial area of investigation contributes the great majority of the total aircraft noise energy and number of events above 20 dBA to the location. Traffic from other airports (here almost entirely in the Las Vegas metropolitan area) contributes all but a small portion of the remaining energy and events. While the example provided by the exhibit is for the relocated airport in the year 2020, the relationships remain true for all other years and for the existing airport location.

Figure B.1
RELATIONSHIP BETWEEN ST. GEORGE AIRPORT AND CUMULATIVE AVIATION NOISE LEVELS – ZION NATIONAL PARK HEADQUARTERS – 2020



Note: Overflights include radar-based overflights at altitude; other airports include Las Vegas and flights within the initial area of investigation; airport is the airport only (future airport indicated here)

Due to the large volume of data resulting from the analysis of aircraft noise effects on Zion National Park, the detailed data tables and map exhibits of the analytical results are presented at the end of this section. **Tables B.36 through B.45** present the tabular results for each of the noise metrics evaluated. Generally, each table includes the results for both the 2010 and 2020 conditions; however, the volume of data requires the separation of the Time Above Ambient and the Number of Events Above specific thresholds tables by year.

Exhibits B.56 through B.77 present the mapped results of the cumulative change for each of the noise metrics (except DNL, $Leq_{(24)}$, and L(max)) evaluated. With the exception of the $Leq_{(day)}$ metric, there are two exhibits present for each metric representing the two future years of analysis. For $Leq_{(day)}$, there are a total of four exhibits. Two exhibits present the 2010 results for the cumulative change based on each of the ambient values (Existing & Natural) at each grid point. Similarly, there are two exhibits for the cumulative changes in the 2020 conditions based on the two types of ambient noise considered.

The following paragraphs present a summary of the results of the analysis. First, a summary of the cumulative noise levels over Zion without the contribution from the St. George Airport is presented. This review is then followed by a summary of the total cumulative (including the airport) analysis for each of the noise metrics evaluated. Summary tables are presented for each metric with selected data from the full data tables at the end of the section.

B.4.2.1 Cumulative noise levels without airport contribution (typical)

Modeled operations for the noise analysis of this EIS capture all aircraft operations over the initial area of investigation for which adequate information was available to rationally define numbers, types, locations, and altitudes of aircraft, regardless or source. Those operations that have nothing to do with the St. George Municipal Airport, whether in its current or proposed location, constitute the baseline cumulative condition of noise in the area. Computations of the cumulative noise were made throughout Zion National Park. Cumulative noise contribution is reported in detail for all such locations later in this section. **Table B.28** presents a sample of the baseline cumulative noise levels resulting from INM noise modeling of several sites in Zion National Park. The cumulative levels are projected for the year 2020. SGU noise is not included.

Table B.28
REPRESENTATIVE BASELINE CUMULATIVE NOISE EFFECTS – 2020
Excludes SGU Operations

					Cumulative Effects - 2020			
Site	**Grid ID**	**Grid Group**	**I**	**J**	**DNL**	**Leq(24)**	**Leq (day)**	**Events Above 25 dBA**
Zion - Chinle Trail	CHINLE	N/A	1	1	34.7	33.1	35.1	346
Zion - Crazy Quilt Mesa	CRZQLT	N/A	1	1	34.6	33.0	34.8	325
Zion - East Rim Mesa Trail	EASTRM	N/A	1	1	34.5	33.2	35.1	301
Zion - Hop Valley Trail	HOPVAL	N/A	1	1	34.2	33.0	35.0	244
Zion - Kolob Canyon Overlook	KOLOBC	N/A	1	1	34.0	32.8	34.7	251
Zion - Lava Point Lookout	LAVAPT	N/A	1	1	34.0	32.9	34.7	231
Zion - Upper Kolob Terrace Road	LCREEK	N/A	1	1	34.2	33.1	35.0	238
Zion - Tabernacle Dome area	LFRKTD	N/A	1	1	35.3	34.2	36.1	296
Zion - Lower Kolob Terrace Road	NCREEK	N/A	1	1	35.3	34.1	36.0	299
Zion - Parunweap Canyon	PRWEAP	N/A	1	1	34.3	32.6	34.4	356
Zion - Scouts Lookout	SCOUTS	N/A	1	1	34.2	32.9	34.7	294
Zion - Wildcat Trail	WILDCT	N/A	1	1	34.9	33.8	35.6	258
Zion - Zion Headquarters	ZHQ	N/A	1	1	34.2	32.6	34.4	347

Source: Landrum & Brown analysis, 2004-5.

The table indicates that baseline cumulative noise levels throughout the area are similar for all cumulative metrics. This effect is largely the result of aircraft traffic passing over the area at altitudes 10,000 feet or more above the surface terrain.

B.4.2.2 Analysis of Project Related Cumulative Noise Effects in Zion National Park

DNL

The day-night average sound level was computed at grid points within Zion National Park, for the forecast 2010 and 2020 years as well as the existing DNL levels. The analysis revealed that there was little difference in the noise metric due to the proposed project for the forecast 2010 and 2020 years. As indicated by **Table B.29**, the proposed airport would increase the DNL by 0.2 dBA or less at any of the sample sites for either year of assessment. A review of the data for all Zion grid sites presented later in this section indicates a maximum change of 0.4 at any location. Many of the locations have cumulative DNLs less than the natural or existing L50 ambient levels in the park, and none of the locations have increase or reductions to the cumulative DNL of 5 dBA or more. Absolute values for DNL at grid points within Zion National Park can be found in **Tables B.36 and 37** at the end of this section.

$Leq_{(24)}$

$Leq_{(24)}$ was computed at grid points within Zion National Park, for the forecast 2010 and 2020 years as well as the existing $Leq_{(24)}$ levels. The analysis revealed that there was little difference in the noise metric due to the proposed project for the forecast 2010 and 2020 years. **Table B.30** presents the $Leq_{(24)}$ results of noise modeling for the sample sites in Zion National Park.

Table B.30 reports that the proposed airport would increase the $Leq_{(24)}$ by 0.1 dBA or less at any of the sample sites for either year of assessment, and will result in a reduction of nearly a full dBA at Chinle Trail in 2020. A review of the data for all Zion grid sites indicates a maximum change of 0.3 at any location. Many of the locations have cumulative $Leq_{(24)}$ less than the natural or existing L50 ambient levels in Zion, and none of the locations have increase or reductions to the cumulative $Leq_{(24)}$ of 5 dBA or more. Absolute values for $Leq_{(24)}$ at grid points within Zion National Park can be found in **Table B.38 and Table 39** at the end of this section.

Table B.29
CUMULATIVE DNL LEVELS AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK
Existing and Proposed Replacement Airport

		2010			2020		
Location	**Grid ID**	**Existing Airport**	**Proposed Airport**	**Change**	**Existing Airport**	**Proposed Airport**	**Change**
Chinle Trail	CHINLE	33.3	33.4	0.1	34.7	34.7	0.1
Crazy Quilt Mesa	CRZQLT	33.3	33.3	0.0	34.6	34.6	0.0
East Rim Mesa Trail	EASTRM	33.2	33.1	-0.1	34.6	34.4	-0.2
Hop Valley Trail	HOPVAL	32.8	32.8	0.0	34.2	34.2	0.0
Kolob Canyon Overlook	KOLOBC	32.7	32.7	0.0	34.1	34.2	0.1
Lava Point Lookout	LAVAPT	<A	<A	<A	<A	<A	<A
Upper Kolob Terrace Road	LCREEK	<A	<A	<A	<A	<A	<A
Tabernacle Dome area	LFRKTD	<A	<A	<A	<A	<A	<A
Lower Kolob Terrace Road	NCREEK	<A	<A	<A	<A	<A	<A
Parunweap Canyon	PRWEAP	33.0	33.0	0.0	34.3	34.3	0.0
Scouts Lookout	SCOUTS	32.8	33.0	0.2	34.2	34.3	0.1
Wildcat Trail	WILDCT	33.4	33.5	0.0	34.9	34.9	0.0
Zion Headquarters	ZHQ	32.9	33.0	0.1	34.3	34.3	0.1

Note: <A = less than the natural ambient level determined for the location. Existing ambient levels are the same or lower (see **Table 7.6**)

Source: Landrum & Brown, 2005

Table B.30
CUMULATIVE LEQ$_{(24)}$ LEVELS AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK
Existing and Proposed Replacement Airport

		2010			2020		
Location	**Grid ID**	**Existing Airport**	**Proposed Airport**	**Change**	**Existing Airport**	**Proposed Airport**	**Change**
Chinle Trail	CHINLE	31.8	31.9	0.1	34.1	33.2	-0.9
Crazy Quilt Mesa	CRZQLT	31.6	31.6	0.0	33.2	33.0	-0.2
East Rim Mesa Trail	EASTRM	31.8	31.5	-0.2	33.0	32.9	0.0
Hop Valley Trail	HOPVAL	31.6	31.6	0.0	33.2	33.1	-0.1
Kolob Canyon Overlook	KOLOBC	31.5	31.5	0.0	33.1	33.0	-0.1
Lava Point Lookout	LAVAPT	<A	<A	<A	<A	<A	<A
Upper Kolob Terrace Road	LCREEK	<A	<A	<A	<A	<A	<A
Tabernacle Dome area	LFRKTD	<A	<A	<A	<A	<A	<A
Lower Kolob Terrace Road	NCREEK	<A	<A	<A	<A	<A	<A
Parunweap Canyon	PRWEAP	31.3	31.3	0.0	32.7	32.7	0.0
Scouts Lookout	SCOUTS	31.4	31.5	0.1	32.9	32.9	0.0
Wildcat Trail	WILDCT	32.3	32.3	0.0	33.8	33.8	0.0
Zion Headquarters	ZHQ	31.2	31.3	0.1	32.6	32.7	0.1

Note: LA = less than the natural ambient level determined for the location. Existing ambient levels are the same or lower (see **Table 7.6**)

Source: Landrum & Brown, 2005

Leq$_{(day)}$

The Leq$_{(day)}$ metric was computed at grid points within Zion NP, for the forecast 2010 and 2020 years as well as the existing Leq$_{(day)}$ levels. The results of the analysis revealed that there was no reportable change in the noise metric due to the proposed project for the forecast 2010 and 2020 years. **Table B.31** presents Leq$_{(day)}$ levels at the park sample reporting sites selected for this evaluation. The Leq$_{(day)}$ reports the average noise level for that period between 7:00 a.m. and 10:00 p.m. and is intended as a surrogate to represent the hours that the park is open to visitors. Those visitors who participate in overnight programs are more affected by the Leq$_{(24)}$ or DNL levels, but the majority of the Park visitor activity takes place in the morning, afternoon, and early evening hours.

Table B.31
CUMULATIVE LEQ(DAY) LEVELS AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK
Existing and Proposed Replacement Airport

		2010			2020		
Location	**Grid ID**	**Existing Airport**	**Proposed Airport**	**Change**	**Existing Airport**	**Proposed Airport**	**Change**
Chinle Trail	CHINLE	33.7	33.7	0.1	36.0	35.2	-0.9
Crazy Quilt Mesa	CRZQLT	33.4	33.5	0.0	35.1	34.9	-0.2
East Rim Mesa Trail	EASTRM	33.7	33.4	-0.2	34.8	34.9	0.0
Hop Valley Trail	HOPVAL	33.6	33.6	0.0	35.1	35.1	0.0
Kolob Canyon Overlook	KOLOBC	33.4	33.4	0.0	35.0	34.8	-0.2
Lava Point Lookout	LAVAPT	<A	<A	<A	<A	<A	<A
Upper Kolob Terrace Road	LCREEK	<A	<A	<A	<A	<A	<A
Tabernacle Dome area	LFRKTD	<A	<A	<A	<A	<A	<A
Lower Kolob Terrace Road	NCREEK	<A	<A	<A	<A	<A	<A
Parunweap Canyon	PRWEAP	33.1	33.1	0.0	34.5	34.5	0.0
Scouts Lookout	SCOUTS	33.3	33.4	0.1	34.7	34.8	0.0
Wildcat Trail	WILDCT	34.2	34.2	0.0	35.7	35.7	0.0
Zion Headquarters	ZHQ	33.1	33.1	0.1	34.5	34.5	0.1

Note: LA = less than the natural ambient level determined for the location. Existing ambient levels are the same or lower (see **Table 7.6**)

Source: Landrum & Brown, 2005

Table B.31 indicates that the proposed airport would increase the $Leq_{(day)}$ by 0.1 dBA or less at any of the sample sites for either year of assessment, and will result in a reduction of nearly a full decibel at Chinle Trail in 2020. A review of the data for all Zion grid sites indicates a maximum increase of 0.2 at any location. Many of the locations have cumulative $Leq_{(day)}$ less than the natural or existing L50 ambient levels in the park, and none of the locations have increases or reductions to the cumulative $Leq_{(day)}$ of 5 dBA or more.. This is confirmed in $Leq_{(day)}$ change mapping as presented in **Exhibits B.55 through B.58** at the end of this section. Absolute values for all the $Leq_{(day)}$ metric at Zion grid points can be found in **Tables B.40 and 41** at the end of this section.

Time Above Metrics

This section will provide, for the representative sites within the park, the time of exposure to noise above ambient levels, and the number of events above ambient at the same sites. Detailed information is provided in the tables and exhibits at the end of this section. Evaluations will be presented for both natural and existing ambient conditions.

Table B.32 presents the Time (in Minutes) Above the $L50_{(existing)}$ ambient experienced at the sample sites in Zion National Park, while **Table B.33** presents the same information for Time Above the $L50_{(natural)}$.

Table B.32
MINUTES ABOVE $L50_{(EXISTING)}$ AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK - EXISTING AND PROPOSED REPLACEMENT AIRPORT

	Grid ID		2010			2020		
Location		L50 (existing)	Existing Airport	Proposed Airport	Change	Existing Airport	Proposed Airport	Change
Chinle Trail	CHINLE	25	213.2	214.1	0.9	292	294.5	2.5
Crazy Quilt Mesa	CRZQLT	23.7	270.2	270.9	0.7	369	370.3	1.3
East Rim Mesa Trail	EASTRM	23.6	208.8	210	1.2	284.8	286.6	1.8
Hop Valley Trail	HOPVAL	24.9	152.6	153.1	0.5	213.7	215.4	1.7
Kolob Canyon Overlook	KOLOBC	30	91.2	91.2	0	123.8	125.3	1.5
Lava Point Lookout	LAVAPT	30.4	18.2	18.2	0	25.6	25.6	0
Upper Kolob Terrace Road	LCREEK	22.9	17.1	17.1	0	24	24	0
Tabernacle Dome area	LFRKTD	27.9	39.7	39.9	0.2	55.6	56.3	0.7
Lower Kolob Terrace Road	NCREEK	37.6	2	2	0	2.9	2.9	0
Parunweap Canyon	PRWEAP	41.5	157.3	157.9	0.6	215.3	216.2	0.9
Scouts Lookout	SCOUTS	28	89.2	90.3	1.1	122.5	124.2	1.7
Wildcat Trail	WILDCT	27.2	109.3	110.1	0.8	153.2	155.2	2
Zion Headquarters	ZHQ	33	104.4	104.9	0.5	142.8	143.9	1.1

Note: See **Table 7.6** for ambient levels.

Source: Landrum & Brown, 2005

Table B.33
MINUTES ABOVE L50(NATURAL) AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK - EXISTING AND PROPOSED REPLACEMENT AIRPORT

			2010			2020		
Location	Grid ID	L50 (natural)	Existing Airport	Proposed Airport	Change	Existing Airport	Proposed Airport	Change
Chinle Trail	CHINLE	21.1	293.9	295.1	1.2	402.3	405.8	3.5
Crazy Quilt Mesa	CRZQLT	(n/a)[1]	376.9	378.4	1.5	515.7	518.0	2.3
East Rim Mesa Trail	EASTRM	19.4	296.5	298.0	1.5	406.1	408.5	2.4
Hop Valley Trail	HOPVAL	24.1	152.6	153.1	0.5	213.7	215.4	1.7
Kolob Canyon Overlook	KOLOBC	24.2	143.4	143.4	0.0	195.4	197.6	2.2
Lava Point Lookout	LAVAPT	(n/a) [1]	22.2	22.2	0.0	31.2	31.2	0.0
Upper Kolob Terrace Road	LCREEK	22.9	17.1	17.1	0.0	24	24.0	0.0
Tabernacle Dome area	LFRKTD	29.1	39.7	39.9	0.2	55.6	56.3	0.7
Lower Kolob Terrace Road	NCREEK	37.8	2	2.0	0.0	2.9	2.9	0.0
Parunweap Canyon	PRWEAP	41.1	172.1	173.0	0.9	235.6	237.0	1.4
Scouts Lookout	SCOUTS	26.1	98.5	99.6	1.1	135.2	136.9	1.7
Wildcat Trail	WILDCT	23.2	175.9	177.2	1.3	245.5	248.8	3.3
Zion Headquarters	ZHQ	(n/a) [1,2]	116.2	116.8	0.6	159.1	160.3	1.2

Notes: (1) Long-term natural ambient sound levels were not evaluated at some sites for which acoustic observer logs do not exist.
(2) As noted above, use of the Zion Headquarters Data (ZHQ) was limited to a "Frontcountry High Development Zone" management zone.
Source: Landrum & Brown, 2005

The data presented in the tables indicates that operations at the proposed airport will result in small increases in the minutes various locations are exposed to noise above the natural and existing L50 ambient levels. The data at the selected evaluation sites are representative of the increases found throughout the park. The greatest increase present in the data was found for a site located approximately 1.5 miles west of Scouts Lookout, where the Time Above the natural ambient level is forecast to increase by slightly more than five minutes during the average day. In general, across the park in locations with low natural ambient noise levels, the increase in time of exposure to aircraft noise associated with the proposed airport increased by one percent or less. The same findings are true of the existing ambient condition. **Tables B.42 and B.43** provide details regarding the modeled Time Above Ambient levels for both existing and natural ambient levels within the park.

Number of Events Above and LA(max) Metrics

Table B.34 presents information regarding the number of events forecast to exceed several given decibel levels at the measured locations in Zion National Park for the year 2010 at the noise measurement sample sites. The total number of events above any given level includes all events at higher levels. The LAmax at each location is also provided – none are associated with traffic from either the existing or replacement airport at St. George, but rather with overflights of the area by transient traffic. **Table B.35** presents similar information for the year 2020. Also presented on the tables is the maximum noise level modeled at each location and the aircraft type contributing to that level. At nearly every grid point within Zion National Park, the maximum level is associated with military tanker aircraft (KC135) flying at high altitude. Along the west side of the park, however, a Gulfstream IIB (GIIB) business jet aircraft overflying the area is the loudest aircraft modeled. The military tanker aircraft generating the loudest noise levels at many sites operates infrequently – a few times per year over the location evaluated. On the other hand, the GIIB aircraft operates more frequently – as much as three to four times per week over those sites where it is the loudest aircraft modeled.

Data regarding the Number of Events Above specified noise levels can be found in **Tables B.44 and B.45** at the end of this section.

Time/Number of Events Above 45 dBA

The Time and Number of Events Above 45 dBA was also computed for the grid points within Zion National Park for the forecast 2010 and 2020 years. This data was made available for the assessment of potential impacts on the Mexican Spotted Owl under the evaluation of threatened and endangered species. The results of these computations were similar to those discussed above for the TAA (ambient) metrics. **Tables B.46 and B.47** disclose details on the TA and Number of Events Above 45 dBA. The data provided in these tables is applied in **Chapter Five, Chapter Six, and Chapter Seven** in discussions of threatened and endangered species.

Table B.34
CUMULATIVE NUMBER OF EVENTS ABOVE SELECTED MAXIMUM NOISE LEVELS AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK - EXISTING AND PROPOSED REPLACEMENT AIRPORT - 2010

				Existing Airport						Replacement Airport						Change					
		LAmax (dBA)	Loudest Aircraft	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA
Chinle Trail	CHINLE	72.9	KC135	323.0	255.9	137.7	28.6	2.4	0.9	320.8	255.5	137.7	28.6	2.4	1.0	-2.3	-0.4	0.0	0.0	0.0	0.1
Crazy Quilt Mesa	CRZQLT	71.6	KC135	324.7	239.4	120.2	28.0	2.1	1.4	324.1	240.0	120.3	28.1	2.1	1.4	-0.6	0.6	0.1	0.1	0.0	0.0
East Rim Mesa Trail	EASTRM	74.0	KC135	311.6	220.1	105.3	18.5	2.5	1.2	310.6	221.4	106.3	18.6	2.5	1.2	-1.0	1.2	1.0	0.1	0.0	0.0
Hop Valley Trail	HOPVAL	74.7	KC135	261.0	181.6	96.0	16.9	2.2	1.2	256.9	177.8	94.2	16.9	2.2	1.2	-4.0	-3.8	-1.8	0.0	0.0	0.0
Kolob Canyon Overlook	KOLOBC	70.8	GIIB	261.7	199.2	96.6	16.1	3.5	0.7	256.7	193.5	91.5	14.8	3.5	0.7	-5.0	-5.6	-5.1	-1.4	0.0	0.0
Lava Point Lookout	LAVAPT	75.1	KC135	244.7	171.1	67.0	15.3	1.8	1.2	240.9	168.1	67.0	15.3	1.8	1.2	-3.7	-3.0	0.0	0.0	0.0	0.0
Upper Kolob Terrace Road	LCREEK	75.1	KC135	250.4	176.2	78.3	20.2	2.5	1.3	246.7	173.2	78.4	20.2	2.5	1.3	-3.7	-3.0	0.1	0.0	0.0	0.0
Tabernacle Dome area	LFRKTD	70.6	GIIB	285.0	219.4	105.3	15.9	1.7	1.2	281.6	218.4	105.6	16.1	1.7	1.2	-3.4	-1.0	0.3	0.2	0.0	0.0
Lower Kolob Terrace Road	NCREEK	70.4	GIIB	293.5	222.2	107.0	18.2	2.2	1.1	290.1	220.8	107.6	18.2	2.2	1.1	-3.4	-1.4	0.6	0.1	0.0	0.0
Parunweap Canyon	PRWEAP	68.8	KC135	333.1	262.4	121.0	34.3	2.3	1.5	332.5	263.2	121.0	34.2	2.3	1.5	-0.6	0.7	0.0	0.0	0.0	0.0
Scouts Lookout	SCOUTS	74.2	KC135	305.5	215.8	97.7	14.4	2.4	0.9	303.4	216.3	99.0	15.2	2.7	0.9	-2.0	0.5	1.3	0.8	0.3	0.0
Wildcat Trail	WILDCT	72.4	KC135	260.5	191.0	82.9	19.0	1.9	1.2	257.0	189.2	83.8	19.1	1.9	1.2	-3.5	-1.7	0.9	0.1	0.0	0.0
Zion Headquarters	ZHQ	72.2	KC135	317.6	255.9	124.9	29.7	2.3	1.0	315.8	256.2	125.5	29.7	2.4	1.0	-1.9	0.3	0.6	0.0	0.1	0.0

Source: Landrum & Brown, 2005.

Table B.35
CUMULATIVE NUMBER OF EVENTS ABOVE SELECTED MAXIMUM NOISE LEVELS AT NPS MEASUREMENT SITES WITHIN ZION NATIONAL PARK - EXISTING AND PROPOSED REPLACEMENT AIRPORT - 2020

				Existing Airport						Replacement Airport						Change					
		LAmax (dBA)	Loudest Aircraft	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA	>20 dBA	>25 dBA	>35 dBA	>45 dBA	>55 dBA	>60 dBA
Chinle Trail	CHINLE	72.9	KC135	441.1	350.9	189.5	38.9	3.3	1.3	438.2	350.4	190.2	39.0	3.3	1.4	-3.0	-0.5	0.7	0.0	0.0	0.1
Crazy Quilt Mesa	CRZQLT	71.6	KC135	444.9	327.6	165.5	37.6	3.0	2.0	444.2	328.9	165.7	37.7	3.0	2.0	-0.7	1.4	0.2	0.1	0.0	0.0
East Rim Mesa Trail	EASTRM	74.0	KC135	427.7	302.0	144.5	25.4	3.4	1.6	426.3	304.2	145.7	25.5	3.4	1.6	-1.4	2.2	1.2	0.1	0.0	-0.1
Hop Valley Trail	HOPVAL	74.7	KC135	359.8	252.2	134.4	23.7	3.1	1.8	354.3	247.2	131.7	23.8	3.1	1.8	-5.4	-5.0	-2.8	0.1	0.0	0.0
Kolob Canyon Overlook	KOLOBC	70.8	GIIB	358.5	272.7	132.4	22.3	4.9	0.9	351.4	264.4	125.8	20.4	4.9	0.9	-7.1	-8.2	-6.6	-1.9	0.0	0.0
Lava Point Lookout	LAVAPT	75.1	KC135	337.9	237.7	93.5	21.4	2.5	1.7	332.5	233.9	93.8	21.4	2.5	1.7	-5.4	-3.8	0.3	0.0	0.0	0.0
Upper Kolob Terrace Road	LCREEK	75.1	KC135	345.6	244.8	109.5	28.4	3.5	1.8	340.4	240.7	109.9	28.4	3.5	1.8	-5.2	-4.1	0.4	0.0	0.0	0.0
Tabernacle Dome area	LFRKTD	70.6	GIIB	391.7	303.4	146.6	22.3	2.4	1.7	386.9	301.8	147.6	22.7	2.4	1.7	-4.8	-1.6	1.0	0.4	0.0	0.0
Lower Kolob Terrace Road	NCREEK	70.4	GIIB	403.2	307.1	149.0	25.1	3.1	1.6	398.4	305.0	150.2	25.3	3.1	1.6	-4.7	-2.1	1.2	0.2	0.0	0.0
Parunweap Canyon	PRWEAP	68.8	KC135	455.2	359.6	166.3	46.0	3.3	2.1	454.9	361.5	166.4	46.0	3.3	2.1	-0.3	1.9	0.1	0.0	0.0	0.0
Scouts Lookout	SCOUTS	74.2	KC135	419.3	297.0	133.9	19.7	3.4	1.3	416.4	298.2	136.1	20.6	3.7	1.3	-2.9	1.2	2.2	0.9	0.3	0.0
Wildcat Trail	WILDCT	72.4	KC135	359.4	264.3	115.8	26.6	2.6	1.7	354.0	261.8	117.5	26.9	2.6	1.7	-5.3	-2.6	1.7	0.3	0.0	0.0
Zion Headquarters	ZHQ	72.2	KC135	435.5	350.9	172.0	40.3	3.3	1.4	432.6	351.6	173.2	40.4	3.4	1.4	-2.9	0.7	1.2	0.1	0.1	0.0

Source: Landrum & Brown, 2005.

B.4.3 Summary of Aircraft Noise Effects Over Zion National Park

The information provided in the preceding pages demonstrates that the effects of aircraft noise on Zion National Park come primarily from overflights by aircraft not associated with operations at St. George Municipal Airport. The cumulative changes of the summary metrics (DNL, 24-hour Leq, and daytime Leq) associated with the proposed project seldom exceed 0.2 dBA. These changes are the result of the relocation of the St. George Airport to its proposed location. The proportion of change in the detailed metrics (Time Above ambient and numbers of events above thresholds) resulting from the proposed project seldom exceed more than one to two percent of the total aircraft contribution of noise over the area evaluated.

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