

GVH HOA #13
(August 14, 2014)

		DECIBEL LEVEL AT INDICATED NUMBER OF FEET	
Feet from Shooting Source*	What's Located There	Decibel Level per CDC Study**	Comparable Noise Level (Per the American Academy of Audiology website)
1	SHOOTING SOURCE - 12 Gauge Shotgun	162.7	Fireworks
475	S. boundary of Ruth Lake Recreational Area	109.2	Concerts, car horns, sporting events
<p>Permitted dB level of high impulse (gun shot) sound emitted 25 feet from property line unto adjoining residential property under the Regulations of the Illinois Pollution Control Board, 35 Ill. Adm. Code 901.104 - louder amounts constitute a nuisance under the Illinois Environmental Protection Act</p> <p>47 daytime,</p> <p>37 nighttime</p>			
850	King Bruwaert House Elderly Care Facilities - nearest residences to shooting source	104.1	very loud - dangerous over 30 minutes
1025	N. property line of Ruth Lake Country Club - middle of Ruth Lake	102.5	very loud - dangerous over 30 minutes
1075	nearest Golfview Hills residence -552 W. 58th Place	102.1	very loud - dangerous over 30 minutes
1225	Madison Street - E. boundary of Ruth Lake Country Club	100.9	very loud - dangerous over 30 minutes
1400	farthest Golfview Hills residence on Ruth Lake	99.8	very loud - dangerous over 30 minutes
1500	Wiseman Park	99.2	very loud - dangerous over 30 minutes
1575	US Hwy 83	98.8	very loud - dangerous over 30 minutes
1600	Residences on S. boundary of Golf Lake	98.6	very loud - dangerous over 30 minutes
1750	Knolls Apartments - E. side of Hwy 83	97.8	very loud - dangerous over 30 minutes
2250	Residences on N. boundary of Golf Lake	95.7	very loud - dangerous over 30 minutes
2275	Zimmerman Park on Golf Lake	95.6	very loud - dangerous over 30 minutes
2700	Hinsdale Central High School grounds	94.1	very loud - dangerous over 30 minutes
3100	farthest Golfview Hills residence on Golfview Lake	92.9	very loud - dangerous over 30 minutes
3600	Hinsdale Central High School buildings	91.6	very loud - dangerous over 30 minutes
<p>"Over 85 dB for extended periods can cause permanent hearing loss." American Academy of Audiology</p>			

	<p>*All distances except the distance to high school buildings taken from the Site Plan prepared by Manhard Consulting and submitted by the Ruth Lake Country Club with its Petition Z14-034, and from the DuPage County Stormwater Management map of Golfview. Distance to high school buildings estimated using Google maps.</p>		<p>**Decibel levels at distance from source calculated using the Hyperphysics online calculator, Sound Intensity from a Point Source, published by Georgia State University, Department of Physics and Astronomy at http://hyperphysics.phy-astr.gsu.edu/hbase/acoustic/invsqs.html</p>
	<p>**Source Decibel Level taken from <i>Noise and Lead Exposure at an Outdoor Firing Range - California</i> produced by the Center for Disease Control, U. S. Department of Health and Human Services, September 2011</p>		