

Yellowstone National Park
Snowmobile Exposure Survey
Noise Dosimetry Monitoring
Table 4

Date	Dosimeter Type	Sample Number	Sample Type	Name/Location	HTL Avg. (dBA)	HTL TWA (dBA)	LTL Avg. (dBA)	LTL TWA (dBA)	Slow Max (dBA)	OL Time (Min:Sec)	Run Time (Hr:Min:Sec)
1-22-04	M-15	MWHN1220401	Personal	Madison Warming Hut	70.58	61.85	78.08	69.36	109.5	0:00	2:21:08
1-22-04	Q-100	WEN1220401	Personal	Kiosk A	72.3	60.5	78.5	66.7	114.0	0:00	1:35:00
1-22-04	Q-100	WEN1220402	Area	East Side of Kiosk A	48.5	43.6	61.2	56.3	102.8	0:00	4:00:00
1-23-04	Q-100	OFN1230401	Personal	IHI	81.6	80.6	82.4	82.4	110.3	0:00	6:56:33
1-23-04	Q-100	OFN1230402	Personal		82.9	81.9	83.3	82.3	111.6	0:00	6:57:25
1-23-04	Q-100	OFN1230403	Personal	Old Faithful	82.2	77.0	83.4	78.2	107.0	0:00	3:00:00
1-23-04	M-15	WEN1230401	Personal	Kiosk A	63.06	60.72	72.05	69.70	108.3	0:00	5:44:05
1-23-04	M-15	WEN1230402	Personal	Kiosk B	75.0	67.40	81.44	73.84	112.5	0:00	2:45:00
1-24-04	Q-100	WEN1240401	Personal	Kiosk A	51.0	36.3	55.5	40.8	106.6	0:00	1:02:55
1-24-04	M-15	WEN1240402	Personal	Kiosk B	72.57	66.19	78.61	72.22	112.8	0:00	3:16:00
2-14-04	M-27	WEN2140401	Personal	Kiosk A	-	-	50.4	44.7	89.6	0:00	3:33:00
2-14-04	M-27	WEN2140402	Personal	Kiosk B	56.0	49.2	62.5	55.8	108.3	0:00	3:06:00
2-15-04	M-27	WEN2150401	Area	East Side of Kiosk A	56.1	46.3	64.7	54.9	105.7	0:00	2:02:00
2-15-04	M-27	WEN2150402	Personal	Kiosk A	51.7	43.6	58.8	50.6	106.8	0:00	2:33:00
2-15-04	M-27	WEN2150403	Area	East Side Kiosk B	66.28	57.53	68.73	59.98	112.1	0:00	2:21:00
2-15-04	M-15	WEN2150404	Personal	Kiosk B	51.5	43.9	62.1	54.5	103.8	0:00	2:46:00
2-16-04	M-27	WEN2160401	Personal	Kiosk A	43.3	35.7	62.6	55.0	97.8	0:00	2:46:00
2-16-04	M-27	WEN2160402	Area	East Side Kiosk A	45.0	36.7	55.6	47.3	102.7	0:00	2:30:00
2-16-04	M-27	WEN2160403	Personal	Kiosk B	53.3	46.0	59.1	51.9	108.3	0:00	2:55:00
2-16-04	M-15	WEN2160404	Area	East Side Kiosk B	51.66	44.01	58.71	51.05	109.8	0:00	2:45:00

HTL Avg.: High threshold dosimeter. A-weighted, threshold at 90 dB, exchange rate 5 dB, criteria level 90 dB, average sound level over the sampling period. This value is to be compared to the 90-dBA Permissible Exposure Limit of the "Engineering" portion of the noise standard.

HTL TWA: The sound level measured in decibels, averaged over eight hours.

LTL Avg.: Low-threshold dosimeter. A-weighted, threshold at 80 dB, exchange rate 5 dB, criteria level 90 dB, average sound level over the sampling period. This value is to be compared to the 85-dBA Action Level of the "Hearing Conservation" portion of the noise standard.