

Audiogram of the pocket gopher (*Geomys bursarius*)

Data from: Heffner, R.S., and Heffner, H.E. (1990) Vestigial hearing in a fossorial mammal, the pocket gopher, (*Geomys bursarius*). *Hearing Research*, 46, 239-252.

Absolute thresholds (in dB re 20 $\mu\text{N/m}^2$) for four pocket gophers (designated A through D)

Frequency (in kHz)	Individual Thresholds (in dB)				Average
	A	B	C	D	
.0315	>88				
.045	>85			85	>85
.063	89			83	86
.125	87			64	76
.250	62			62	62
.500	42			47	45
1	47			38	43
2	28	20		23	24
4	36		38	33	36
8	58			58	58
16	81		67	75	74
32	88			79	84
45	>89			>89	>89

Lowest and highest frequencies audible at sound pressure levels (SPL) ranging from 30 to 70 dB SPL

SPL (in dB)	Lowest audible frequency (in kHz)	Highest audible frequency (in kHz)
70	.170	13.7
60	.270	8.7
50	.410	6.2
40	1.1	4.5
30	1.6	2.8

Additional Parameters:

Body weight = 175 g

Functional interaural distance= 111 μs

(Time required for sound to travel around the head from one auditory meatus to the other.)

Comments: Threshold values taken from original data.