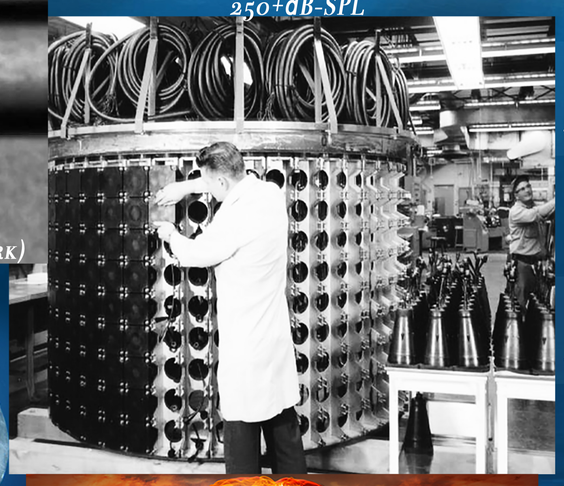
The-dB-SPL-Chart.

dB: Decibels (A-Weighting)
SPL: Sound-Pressure-Level.
Approximate Known Decibel/SPL values as of May, 2023.



Loudest Sound Recorded: 270 Decibels:
X-Ray Laser, Water-Jet.
(Credit: Claudiu Stan/Rutgers University Newark)

SQS-26 [Acitive] Sonar System
250+dB-SPL



270dB

Limit of 270dB-SPL Propacation in water before molecules collapse.

260dB

250dB

240dB

230dB

220dB

210dB

Air — Water

200dB

Instant Death

Limit of 194dB-SPL Propacation in air before molecules collapse.

190dB

Death-in-seconds

180dB

Organ-Rupture, embolisms & pulmonary-contusions

170dB

Auditory-Periphery-Perforation

160dB

150dB

Eardrum-Rupture-Threshold

140dB

130dB

Human-Pain-Threshold

120dB

110dB

100dB

90dB

Perception-of-Loud

80dB

70dB

60dB

50dB

40dB

Perception-of-Quiet

30dB

20dB

10dB

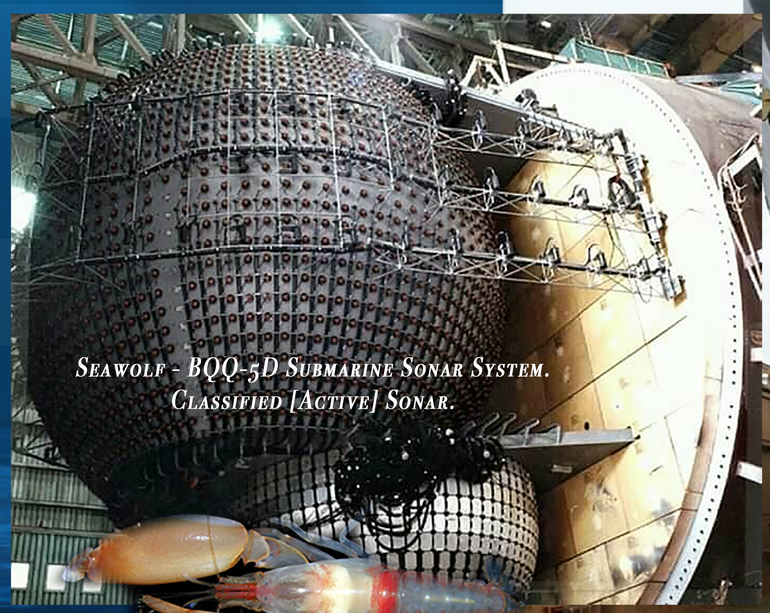
0dB

Human-Hearing-Theshold

-10dB

-23dB

Quietest theoretical sound on earth known: Brownian-Motion: -23dB-SPL
Mechanical-Atomic-Breath (Unknown)



Seawolf - BQQ-5D Submarine Sonar System.
Classified [Active] Sonar.



AN/SQQ-89A Combat Sonar System
Classified [Active] Sonar.





