



Guide Wall  
Sound Shadow  
Zone for Vessels  
under 30ft Tall

140 dB Source  
Location

Echo Zone

87 dB Echo at  
Source

108 dB End  
Outfall Pipe

84 dB From  
Echo at Shore  
Line

95 dB Top  
Guide Wall

600 meter max  
claimed effective  
range if assumed  
perfect echo  
from Guide Wall

Direct Effect Zone

600 meter max  
claimed effective  
range



McNary Wildlife Area Trail

Google Earth

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45°56'15.30" N 119°18'23.50" W elev 269 ft eye alt 4650 ft