Educating the Lawyers – Lesson 6 Bullseye Maps are Misleading and Deceptive

Bullseye maps are Designed to Deceive

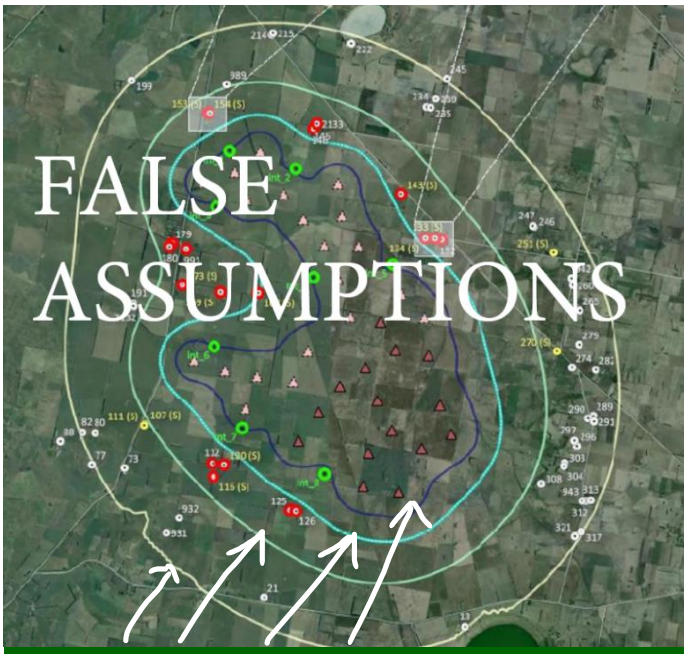
- Bullseye Noise Prediction Maps are based on **FALSE ASSUMPTIONS**
- Wind farms say each line or shaded circle represents a noise "limit" distance – **THIS IS MISLEADING**
- Neighbours assume this is the maximum noise level they will hear at their homes – **THIS IS WONG**
- ***The lines on a bullseye map represent the minimum noise neighbours will hear.***
- A bullseye map is deceptive, it is used to pacify neighbours.
- Permits are issued and wind farms are built on this false theory.
- Then when the noise predictions are proven wrong – it's too late –the noise nuisance starts.

The bullseye rings are NOT maximum levels - Each ring represents the minimum level

There is NO maximum level – High noise spikes are hidden in the LA90(10min) statistical level.

The rings represent the lowest 10% noise level neighbours will hear. **90% of the noise is louder**.

Bullseye maps are based on the false assumption that noise radiates out like a light bulb.



Contours are Minimum Noise Levels

Noise from turbines has direction like a TORCH BEAM

It does NOT spread out like a radiating sphere (light bulb) around the point source (turbine).

The noise contour levels relate to the minimum noise and do not identify the variation in the noise levels or make correction for airflow disturbance and directivity of the sound patters.

The noise is directed out like a torch beam to specific locations, with distances between 1.5 and 3.0 kms from the turbine being the most impacted.

https://youtu.be/cRVB2i6ZWOU

A Burning Turbine demonstrates the Torch Beam Effect

The blades create a concentrated spiral of directed air turbulence flow downwind of the turbine.

The torch beam direction is effected by airflow from upwind and downwind turbines.

The torch beam noise pattern and levels of the pulsations are dramatically effected with changes in wind speed and direction.