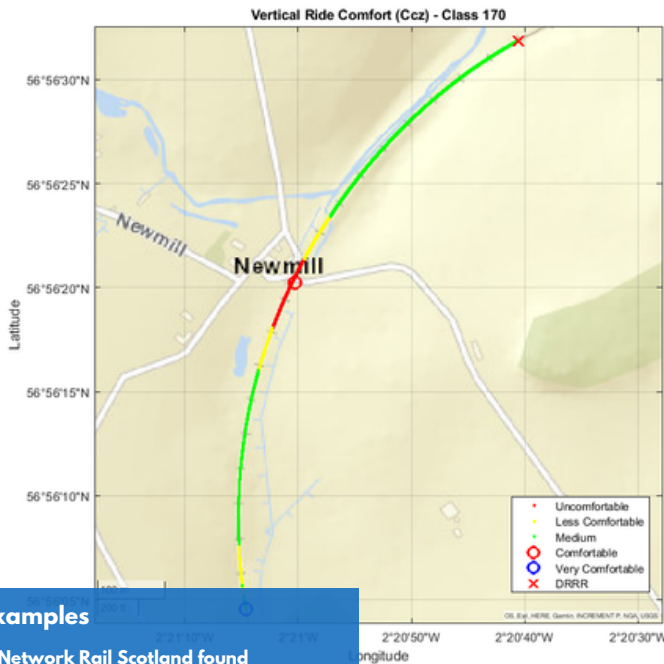


DRRR= GLA395515, ELR=ANI2 , Date: 12-July-2022 - Class: 170 vs 158



## Examples

- Network Rail Scotland found differences in ride between Class 158 and 170s

## Challenges

- Poor quality ride can be an indication of developing poor track geometry and/or developing wheelset faults.
- Ride is also dependent on suspension types and therefore varies between different classes on the same section of track.
- Staff do not report rides.
- Rough ride locations commonly lead to:
  - temporary speed restrictions until a site visit has been made.
  - train delays.



Class 170



Class 158



## MoniRail solution:

- **Modular solution enables permanent cost-effective solution for fleet wide deployments that can:**
  - quickly resolve underlying cause of rough rides.
- **Portable system also available for use in non-fitted vehicles or for more detailed investigations of specific carriages.**
- **Quick and easy to fit to both new and old rolling stock.**
- **Proven repeatable results:**
  - clearly shows differences between vehicles and vehicle classes.
  - data can be converted into recognised ride indices for comparison.
  - data can be provided in near real-time to enable quick and informed decision making.
  - can be combined with data from our track geometry measurement system to identify root cause.

