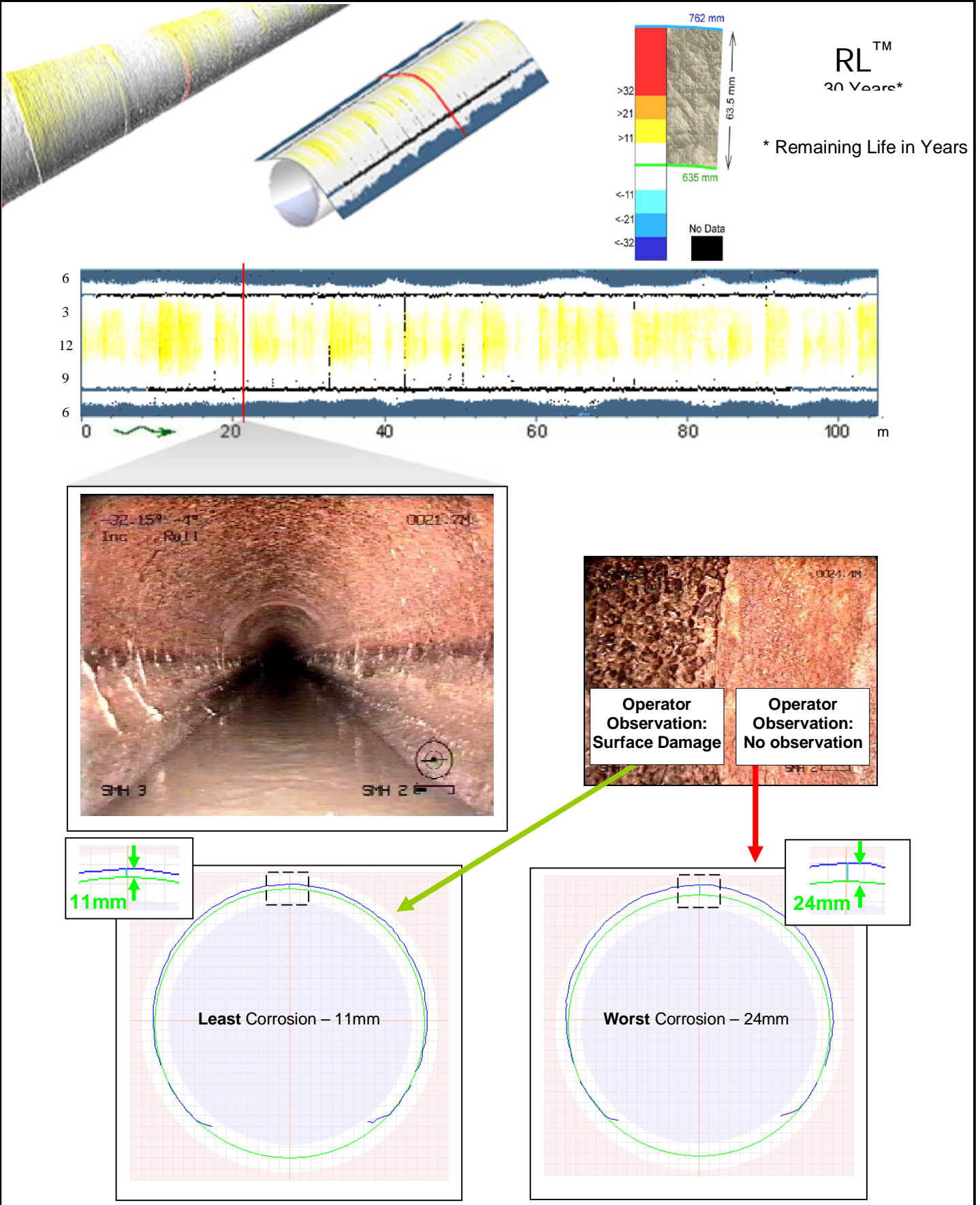


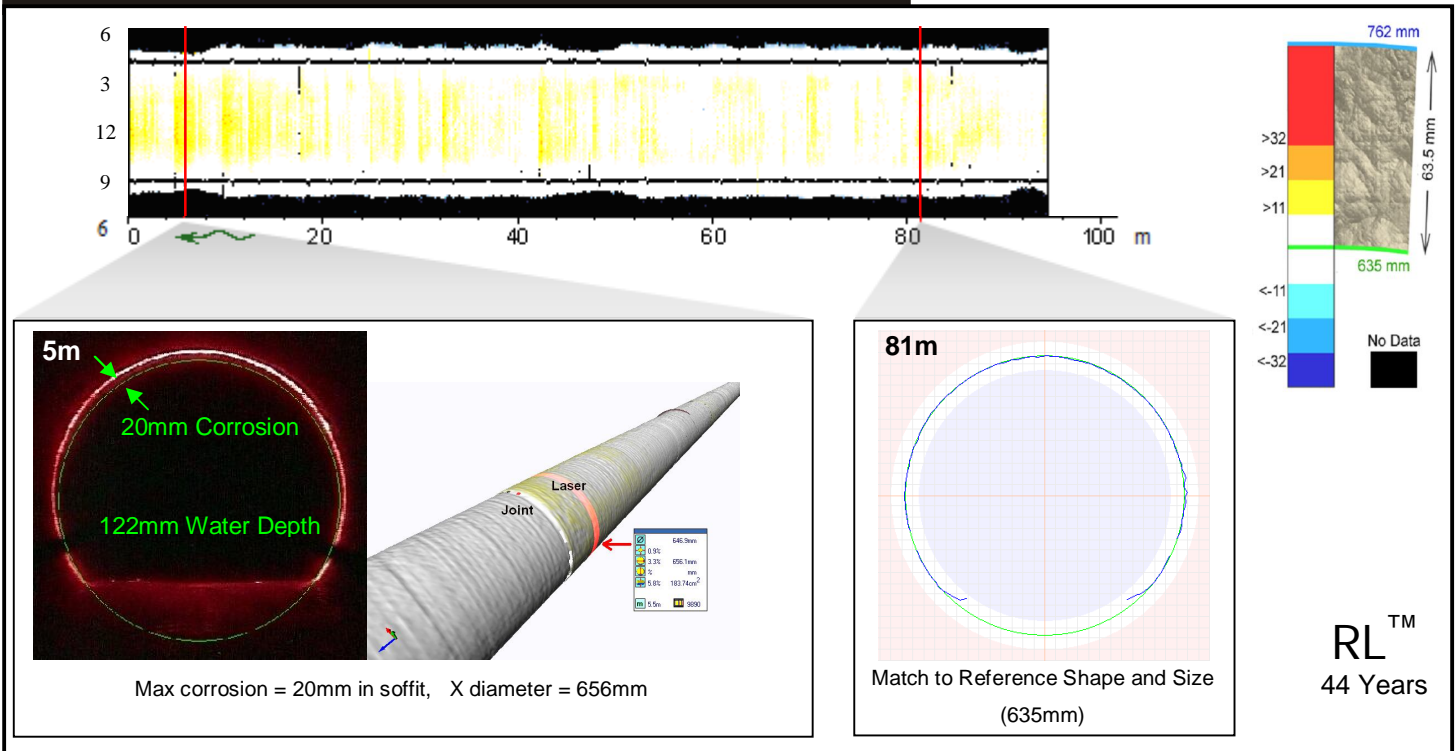
# MEASURE ... CORROSION

102391 - Year 1966 - 635mm ID, 762mm OD – Concrete – (104m)

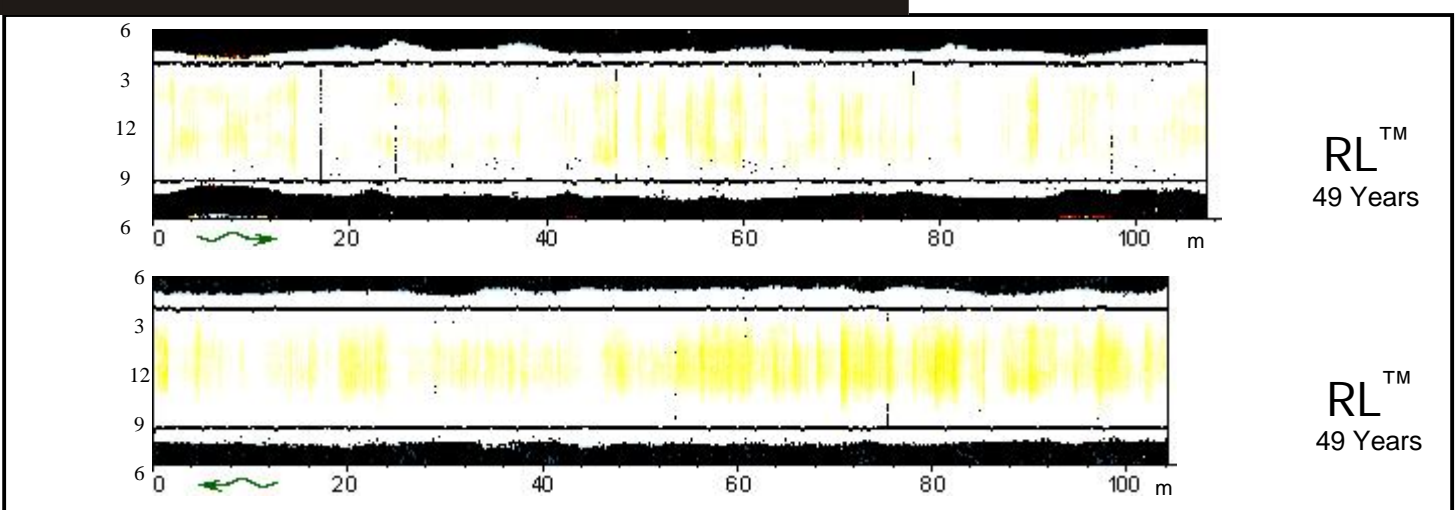


# MEASURE ... CORROSION

## 102387 – 635mm – Concrete – 1966 – From MH42 to MH1 (94m)



## 102389 & 102393 – 635mm – Concrete – 1966



The 1966 pipes were inspected in 2000 and 2002 as part of an extensive critical asset inspection process. Serious corrosion was logged by the CCTV operator and the pipes were identified as requiring rehabilitation.

Rehabilitation by way of relining was scheduled for 2007 and a US\$350,000 budget was applied to the rehabilitation of the 520m section of the interceptor. Profiling was undertaken to measure the extent of the corrosion.

### Findings

- The internal diameter was in fact 635mm (initially recorded as 675mm)
- An undocumented 20mm sacrificial layer had been applied to the pipeline prior to install.
- There are instances where the host pipe has been exposed but there is no evidence of the host pipe starting to corrode.
- As the host pipe is 64mm thick we would estimate that the pipe has many more years of active service before rehabilitation would be required.
- We would recommend a further survey in 3 years time to start a process of quantifying the corrosion effect over time.