

North Long Beach Collection Main Control Valve Upgrade Project (EO-3435)

Board of Water Commissioners
October 14, 2021



Background



- Collection main serves the wells in North Long Beach (NLB 12, DEV 9, etc.)
- Existing equipment (butterfly valve, pressure sensor/transmitter) are inoperable
- New pressure transmitter will open/close butterfly valve depending on pressure in the collection main
 - Site 1: vault with pressure transmitter
 - Site 2: vault with butterfly valve and motor actuator

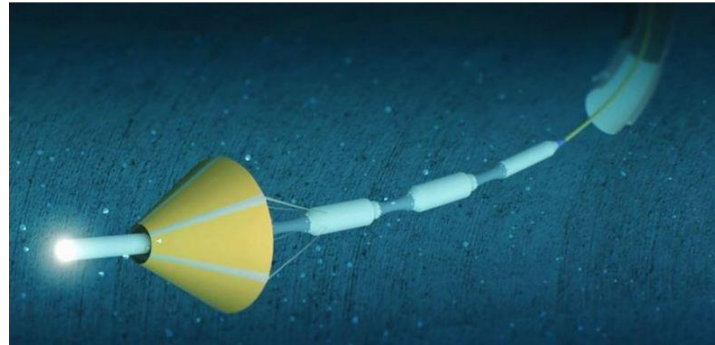


Pilot Condition Assessments

External Acoustic Assessment



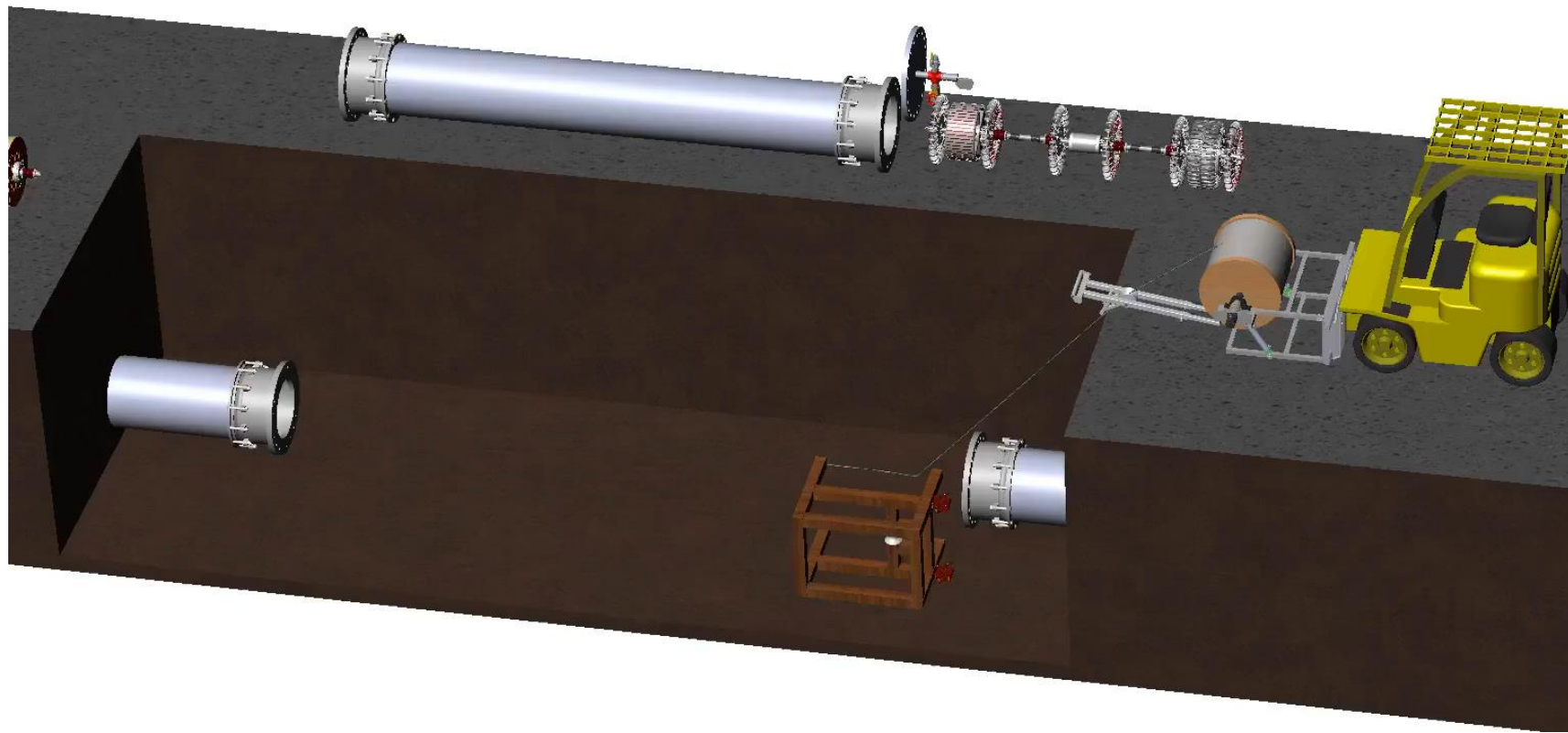
Internal Visual & Acoustic Assessment



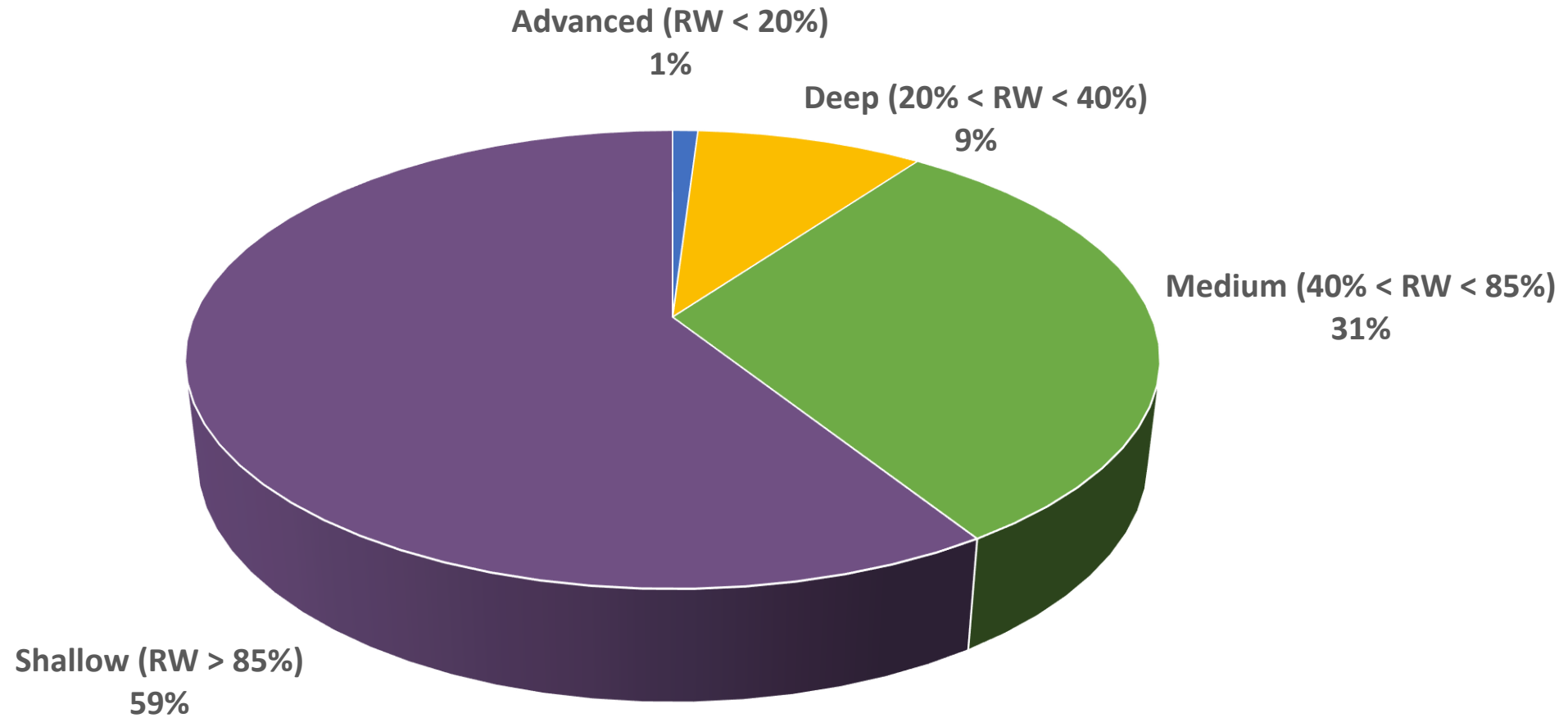
Internal High-Resolution Electromagnetic Assessment



SeeSnake Demonstration

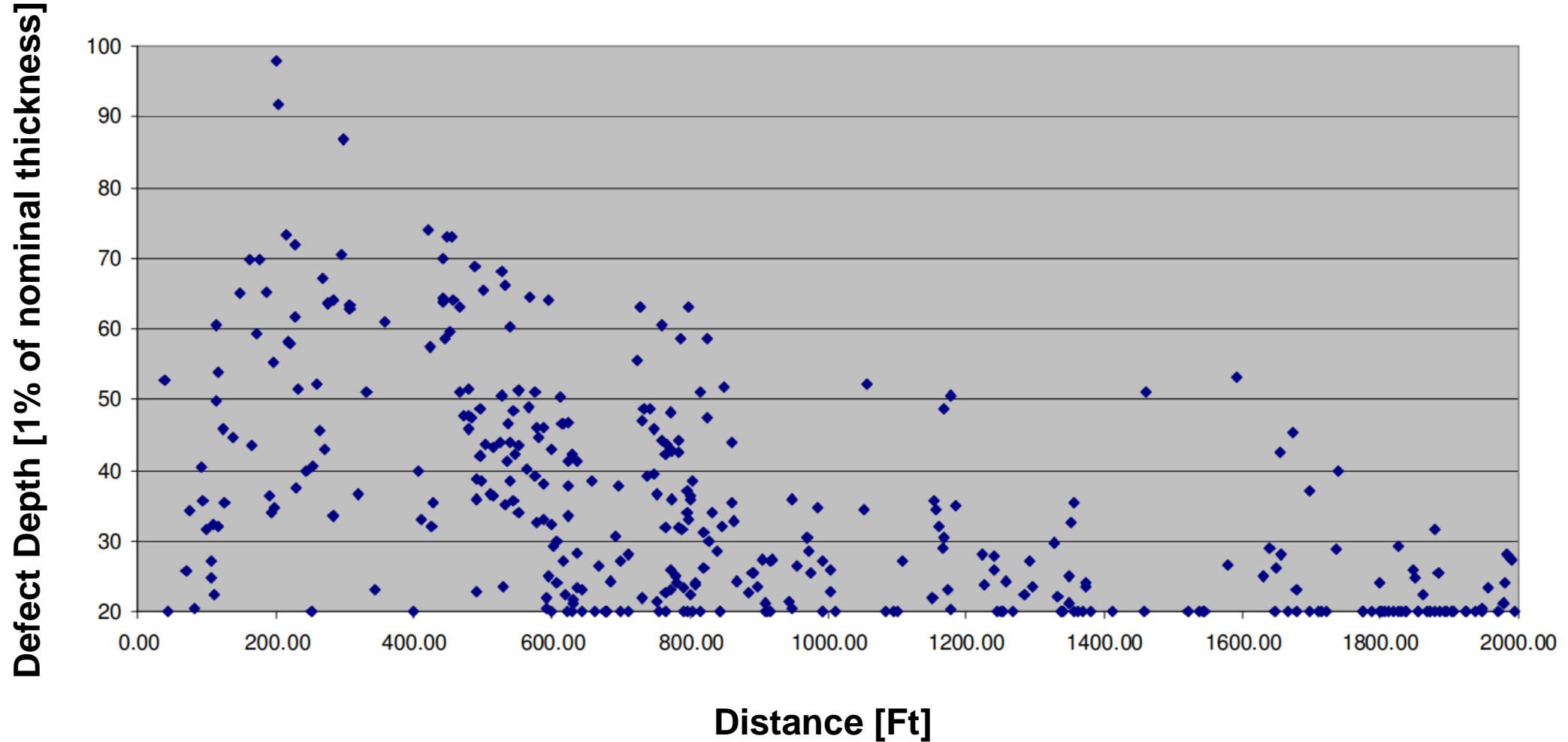


SeeSnake Results



SeeSnake Results

Defect Depth as a function of distance along the length of the pipe.



Recommendation

Adopt Specifications WD-15-19 for the North Long Beach Collection Main Control Valve Upgrade Project (EO-3435) and authorize the General Manager to sign a construction contract with Cora Constructors, Inc., in the amount of \$1,249,350.





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