

# Sedimentary-hosted Lead-Zinc targeting in the Central Irish Basin, Ireland

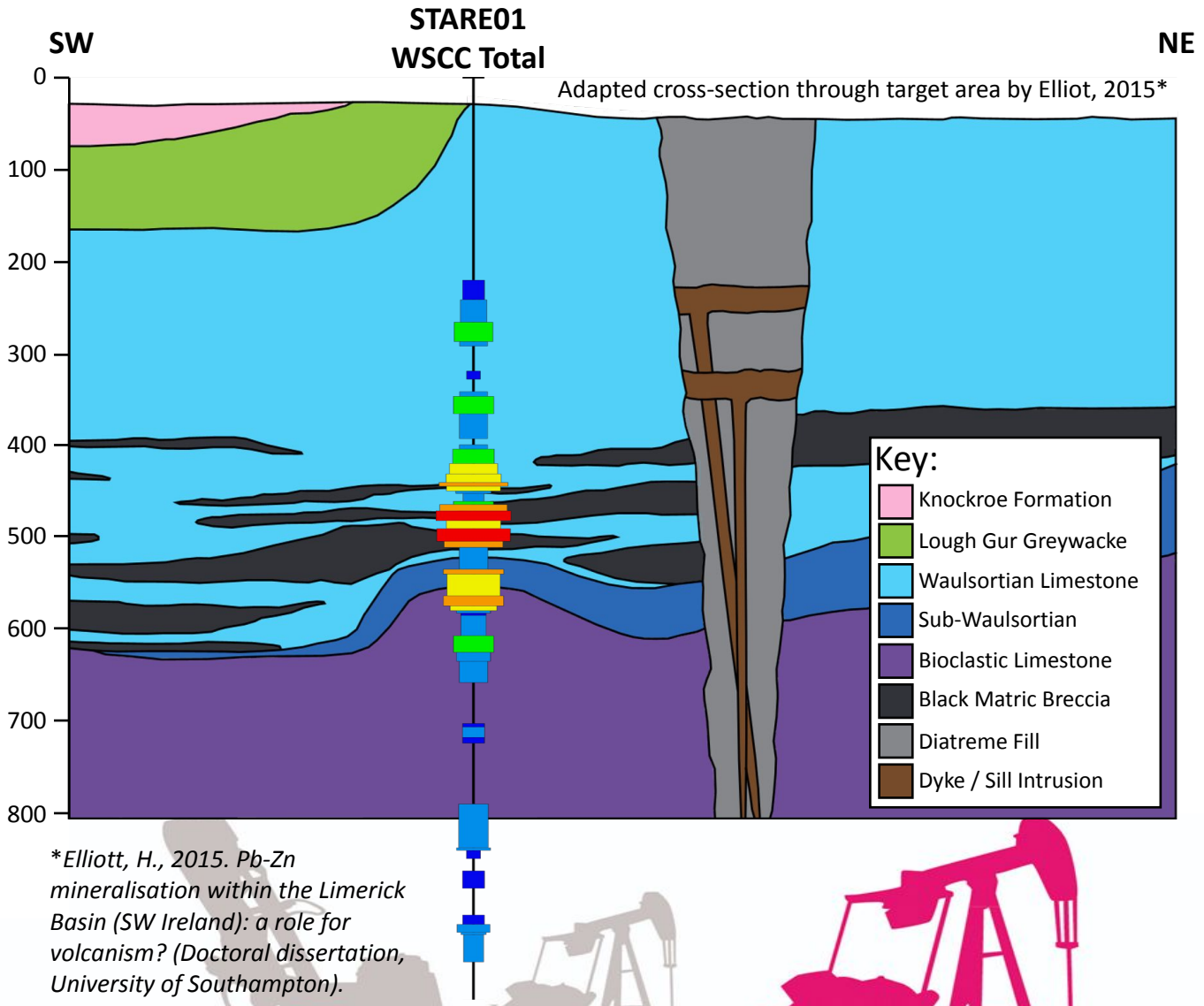
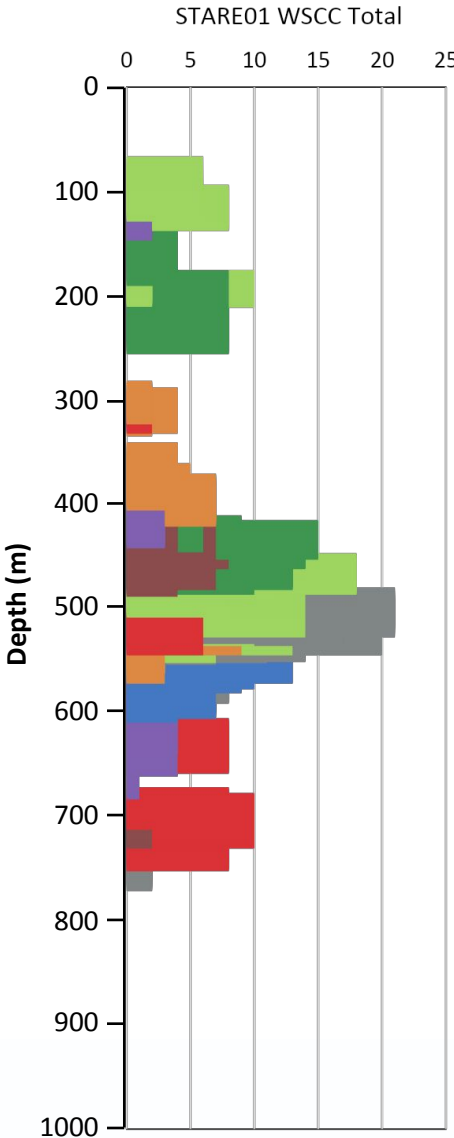
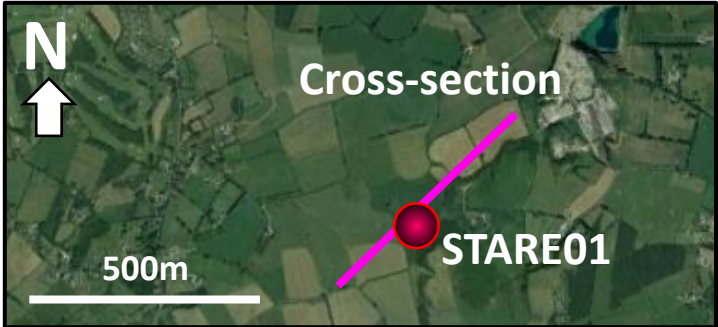
Adrok is currently developing a new technique, named WSCC, that has the potential to accurately target disseminated sulphides beneath the ground. We can identify sulphide mineralization by stacking and weighting a set of ADR responses that are characteristic of sulphides. The WSCC Total is the final output and totals >20 indicate high-confidence sulphide targets.

### WSCC = Weighted Sulphide Correlation Criteria

We have applied the WSCC technique to our virtual boreholes in the Central Irish Basin, Limerick, with great success.

The Central Irish Basin is host to Carboniferous Pb-Zn deposits, associated with Alkali-Basaltic Maar-Diatremes that have acted as fluid conduits for the mineralization. The increased permeability and porosity of the diatremes has allowed for the formation of Black Matrix Breccia mineralization hosted deposits (Elliot, 2015).

There is excellent correlation between the WSCC results in STARE01 and the interpreted locations of Black Matrix Breccia hosted mineralization in the adjacent cross-section, at depths of ~500m.



\*Elliott, H., 2015. Pb-Zn mineralisation within the Limerick Basin (SW Ireland): a role for volcanism? (Doctoral dissertation, University of Southampton).