

# Kingscourt Carbonate-Hosted Zn-Pb Project

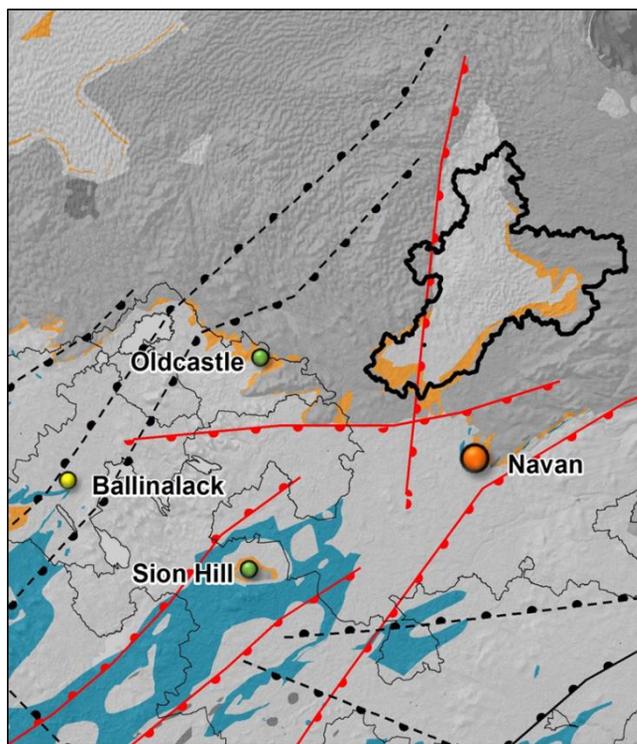
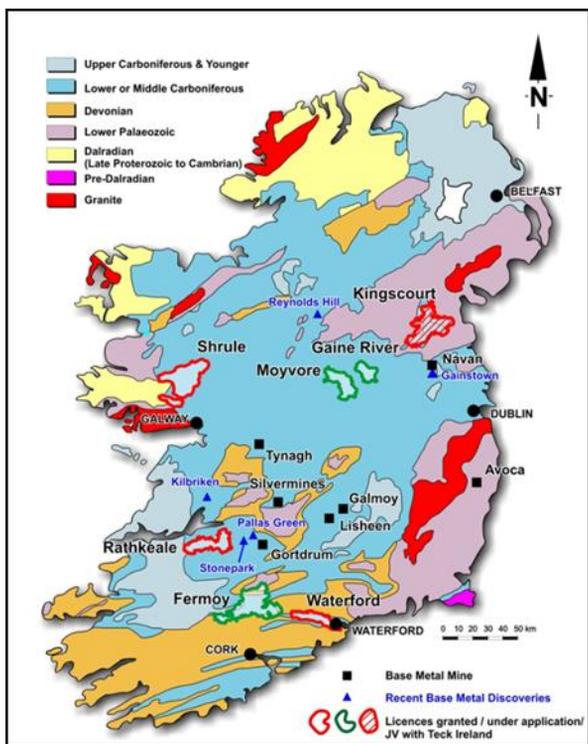
Targeting New High Grade Discoveries in Ireland



The Kingscourt Project comprises twelve (12) exploration licences covering 372 km<sup>2</sup> of prospective ground for Irish-type Zn-Pb deposits in the Pale Beds (Navan) and Waulsortian-hosted (Lisheen-Galmoy) spectrums and it is current being explored through a an Earn-in/JV Agreement with Teck Ireland (a subsidiary of Teck Resources).

Located in Counties Meath, Louth and Monaghan, exploration is primarily targeting footwall, Pale Beds - hosted zinc-lead mineralization in the Moynalty Basin, and located only 10 km north of the World-class Navan Mine.

Mineralization present on the block with drilled and trenched sub-cropping vein and breccia mineralization (galena-sphalerite-marcasite; up to 7% Pb, 1% Zn) in shelf limestones at Rock Cottage; abundant lead, zinc and copper float with lesser outcrop mineralization recorded around the basin margins in structurally attractive zones on the Ardee and Moynalty target areas.



The project area is located within the Kingscourt outlier, which contains Lower Carboniferous to Triassic rocks that rests unconformably on a Lower Paleozoic accretionary prism.

The Lower Carboniferous part of the half-graben sedimentary basin is known as the Moynalty Basin, and is considered a northern extension of the Dublin Basin. Basal lithologies are correlatable with the Navan Group (Pale Beds), host rocks to the world-class Navan Zn-Pb-Ag mine 10km to the south. Waulsortian "reef" or mudbank limestones (that host Zn-Pb at the former mines such as Lisheen, Galmoy, Silvermines and Tynagh) may be developed within the basin also.

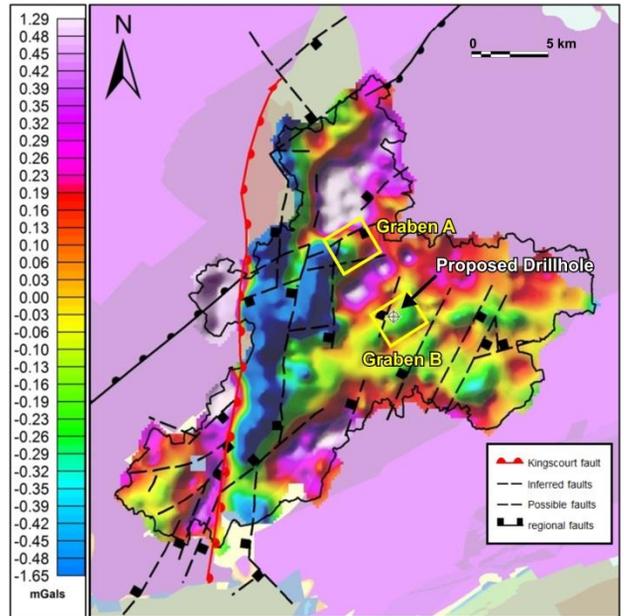
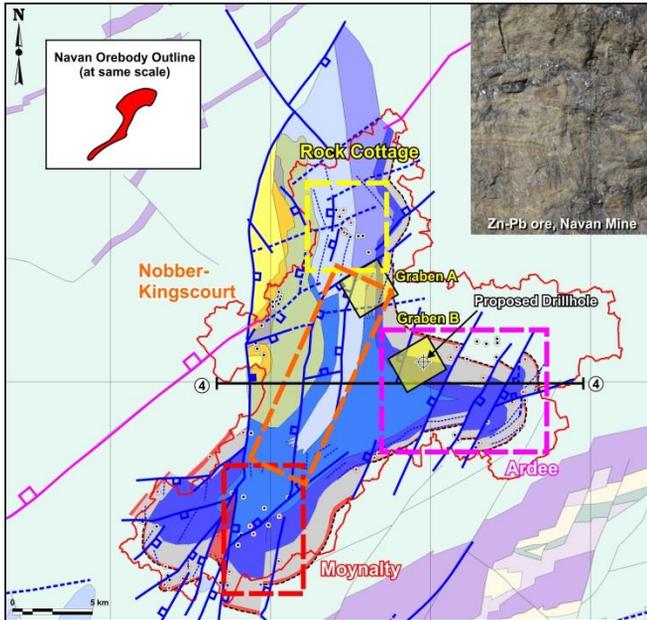
The block is dominated structurally by the north-south trending Kingscourt graben. Interpretations have identified potential growth faults controlling ABL development which present structural targets focussing on Navan-style footwall zones adjacent to horst structures. Priority structural targets are seen to have supporting mineralization and soil anomalism;

1. Historical drilling and trenching recorded sub-cropping vein- and breccia-hosted galena-sphalerite-marcasite mineralization in shelf limestones, and an extensive Zn-Pb soil anomaly at Rock Cottage.
2. Lead, zinc and copper float and minor mineralization in outcrop and associated soil anomalies recorded at Ardee and Moynalty.



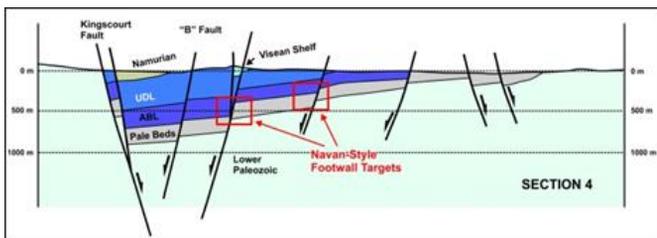
# Kingscourt Zn-Pb Project

In Search for Ireland's Next World-Class Mine



Project target map (above) showing the four areas considered by Adventus to contain favourable host lithologies, tectonic structures (growth faults, grabens), elevated base metal soil and litho-geochemistry, geochemistry, geophysical targets, and bedrock mineralization.

An image of the 1<sup>st</sup> Vertical Derivative of the 2015 Gravity survey conducted by Teck. The study has assisted in refining structural interpretation and has verified the presence of basin growth faults and horst blocks.



Cross-section (E-W) across the basin showing the location of Navan-style footwall targets.

Four broad target areas are identified on the block at Rock Cottage, Ardee, Moynalty and Nobber-Kingscourt. These targets are selected based on the presence in an area of certain criteria including; bedrock and/or float mineralization, moderate to strong coherent Zn-Pb soil geochemical anomalism and undrilled/poorly tested host horizons.

Newly developed geological and structural interpretations and a detailed tectono-stratigraphic study of the block suggests that Waulsortian and Pale Bed limestones are deposited in the basin and Teck Ireland's recent geophysical surveys (gravity and IP), combined with the tectonostratigraphic and geochemical studies have refined structural interpretations and identified priority drilling targets.

Drilling at the Graben A and Graben B target areas by Teck Ireland was completed during Q4 2016 with final results and laboratory analyses pending.

**Wilson Robb**  
Exploration Manager  
Adventus Zinc Ireland Ltd.  
wilson@adventuszinc.com  
+353 91 866646

**To Request More Information**

**Jason K. Dunning**  
Vice President Exploration,  
Adventus Zinc Corporation  
jason@adventuszinc.com  
+1 416 317 4566