



ASX Code: ZMI



# ZMI Company Presentation: August 2017

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## Competent Person Statements

The information in this presentation that relates to exploration results is based on information compiled by Mr Peter van der Borgh, a Competent Person who is a Fellow of the Geological Society of London. Mr van der Borgh is a director and shareholder of Zinc of Ireland NL. Mr van der Borgh has sufficient experience, which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which has been undertaken to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr van der Borgh consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

# ZMI Snapshot

- ♦ Zinc supply at 2006 inflection point, *price breakout anticipated*.
- ♦ Ireland is the *world's richest zinc real estate* in tonnes/km<sup>2</sup> found.
- ♦ Kildare JORC Inferred Resource, May '17:
  - ♦ **5.2Mt @ 8.6% Zn+Pb, including 3.5Mt @ 10.1% Zn+Pb.**
- ♦ >4,000m drilled, spectacular results, including:
  - ♦ **23.3m @ 13.5% Zn+Pb (McGregor Prospect, June '17)**
  - ♦ **15.65m @ 11.17% Zn+Pb (Shamrock Prospect, October '16)**
  - ♦ **2.85m @ 21.1% Zn+Pb (Celtic Tiger Prospect, new discovery July '17)**
- ♦ Regional database from >\$25m of historical exploration; 1<sup>st</sup> time Project held by a single Company
- ♦ New geological interpretation brings immediate success, confirms 'MVT cluster' model.
  - ♦ *Thick high-grade zinc, McGregor 'growth fault', Celtic Tiger discovery.*
- ♦ Option over *the 650,000tpa Galmoy processing plant.*

# Corporate overview (ASX code: ZMI)

Highly leveraged to exploration success, strong and experienced board and management

CAPITAL STRUCTURE	
Share price (at 1 Aug 2017)	\$0.005
Fully paid shares on issue	934.1M
Unquoted Options (Various issue prices and expiry dates)	511.5M
Cash	~\$1.2M
Market Capitalisation	~\$4.7M
Enterprise Value	~\$3.5M

## DIRECTORS

### **Patrick Corr – Non-Executive Chairman**

Barrister and Solicitor of the Supreme Court of WA, with considerable legal and management experience with private, public and ASX listed companies.

### **Peter van der Borgh – Managing Director**

30 years' worldwide experience in the mining industry, as a geologist, Executive, and Non-Executive with several exploration companies. Resides in the UK.

### **Thomas Corr – Non Executive Director**

10 years' experience in the finance and resource sectors in both Australia and Europe. Resides in Ireland.

### **Keith Bowker – Non Executive Director, Company Secretary**

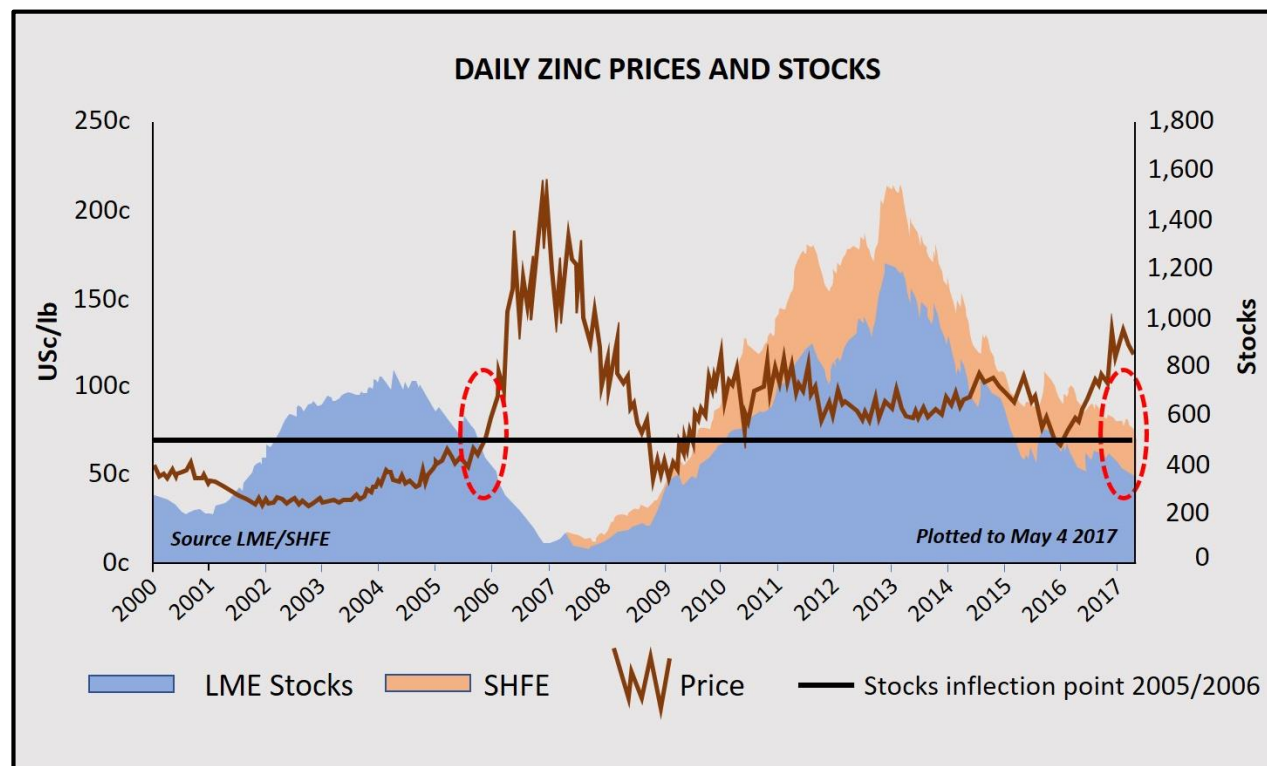
Australian-based Chartered Accountant with considerable company management experience, in particular within the resources sector.

Rights Issue open (closes 7/08/17) to raise \$1.5M to fund next phase of drilling.



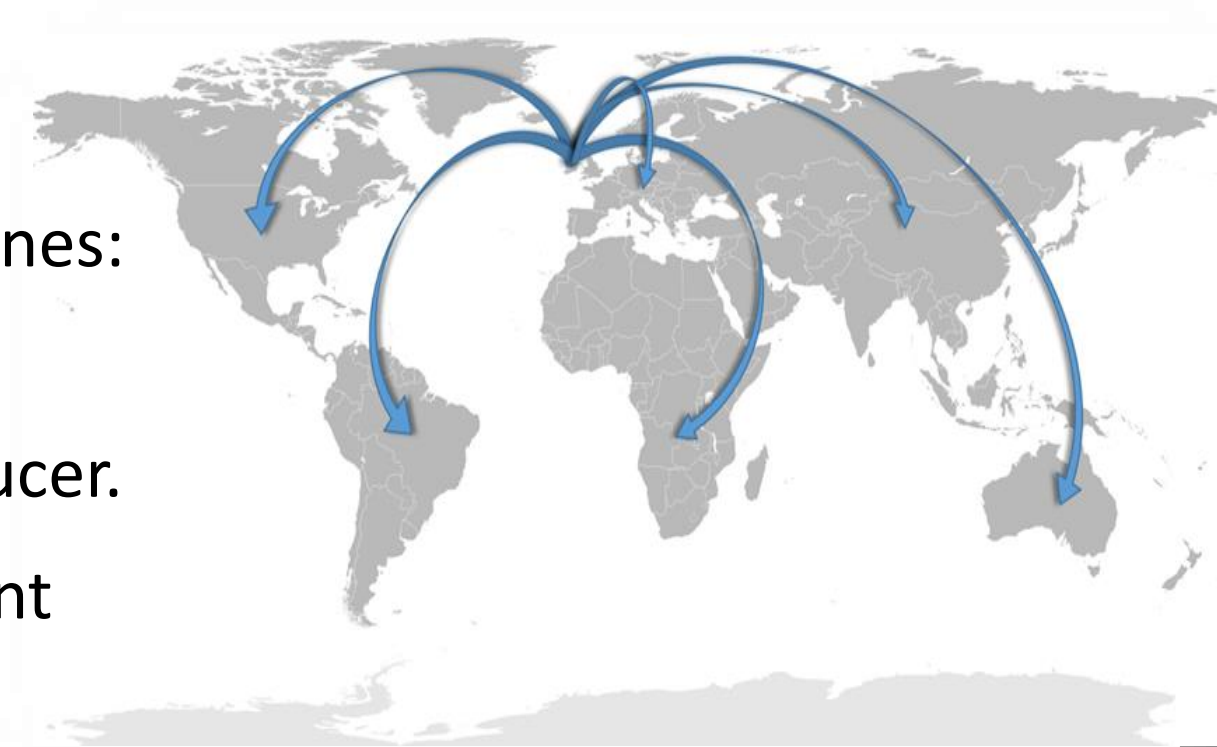
# Zinc Poised for Price Breakout

- ✦ LME zinc stockpiles are at 12-year lows.
- ✦ Demand continues to grow.
- ✦ Supply continues to fall.
- ✦ Deficit of 500,000t in 2017.
- ✦ Shortage of large projects coming on-line.
- ✦ Approaching 2006 supply *inflection point* that led to 300% zinc-price breakout.
- ✦ Potential to relive zinc price of US\$2.00/lb as seen in 2006/2007.



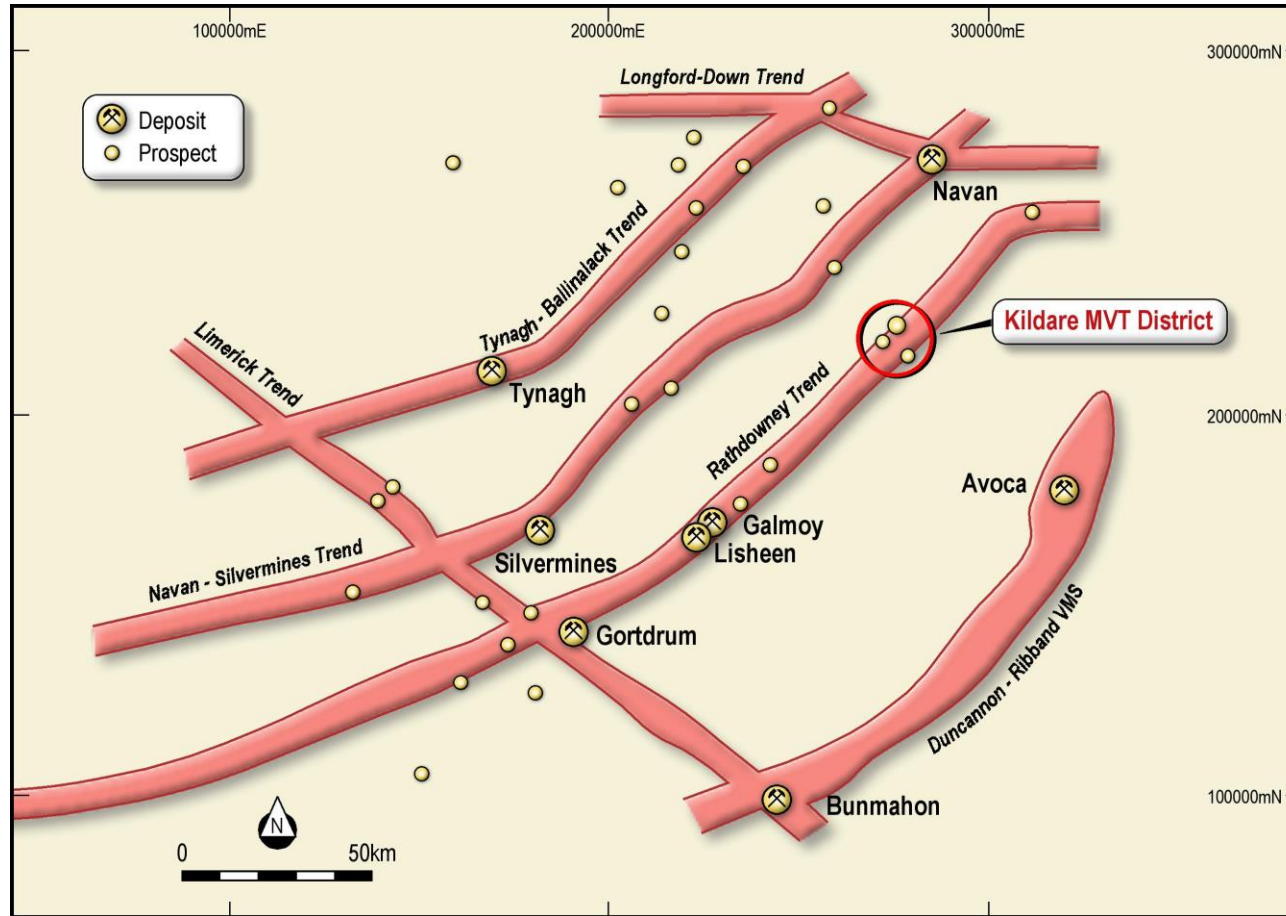
# Ireland: A Premier Zinc Jurisdiction

- ♦ **The world's most fertile zinc real estate (tonnes/km<sup>2</sup> found).**
- ♦ Home to large, high-grade zinc mines:
  - ♦ Navan, Lisheen, Galmoy, Tynagh
- ♦ The world's 10<sup>th</sup> largest zinc producer.
- ♦ Stable, mining-friendly government with low corporate taxes.
- ♦ Rail and port infrastructure within Europe, Cost-effective operations.
- ♦ Dramatic increase in exploration activity.
- ♦ ZMI capitalising on aggressive project acquisition strategy commenced in 2014.



# Kildare District

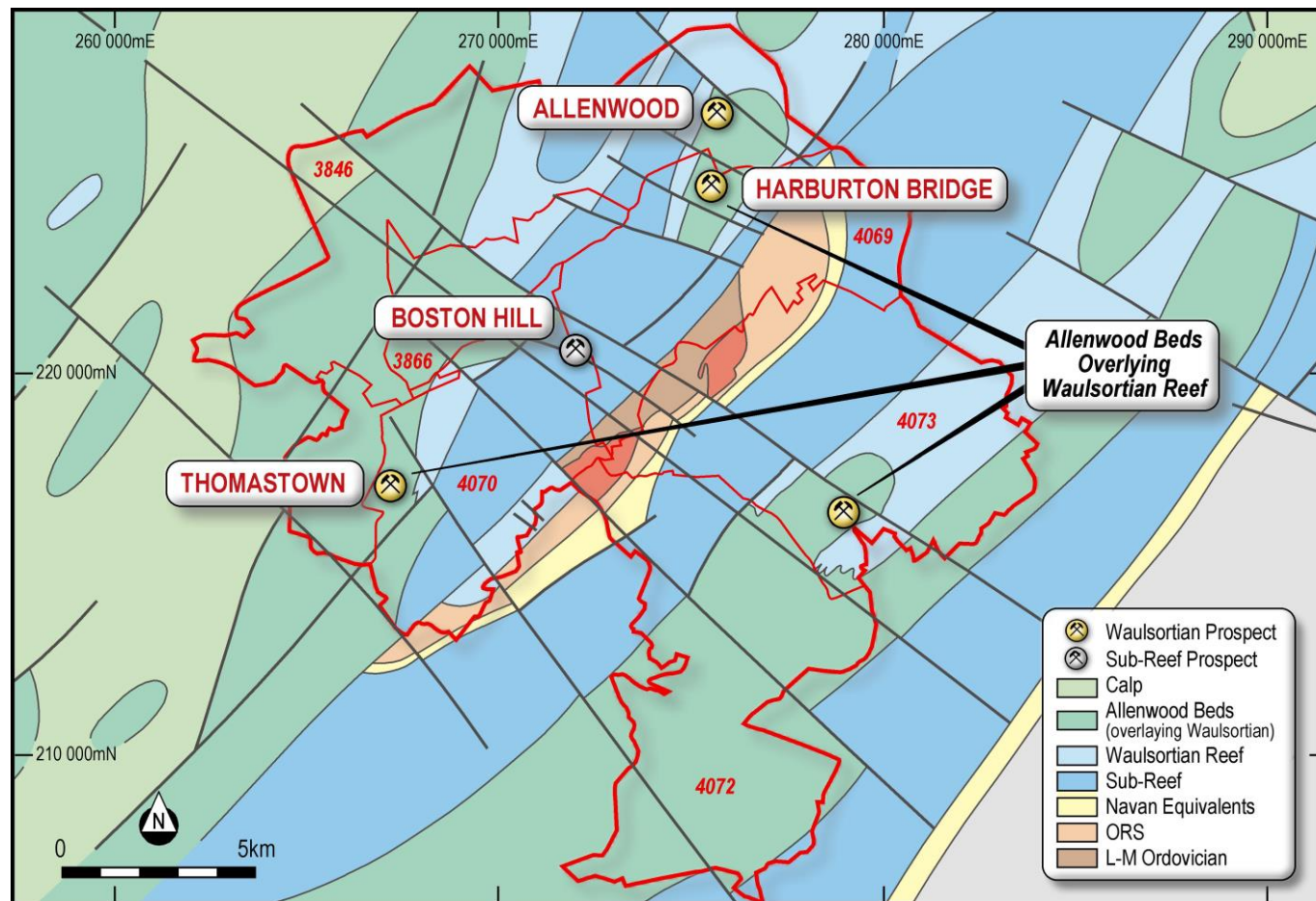
Location, Location, Location.....!



- ◆ Sits within the Rathdowney Trend, ~80km along strike from Lisheen (22.4Mt @ 11.63% Zn & 1.96%Pb).
- ◆ **Lisheen, Galmoy and Kildare all have base of Waulsortian Reef (BoR) mineralisation.**
- ◆ Neighbours include Teck and Vedanta.

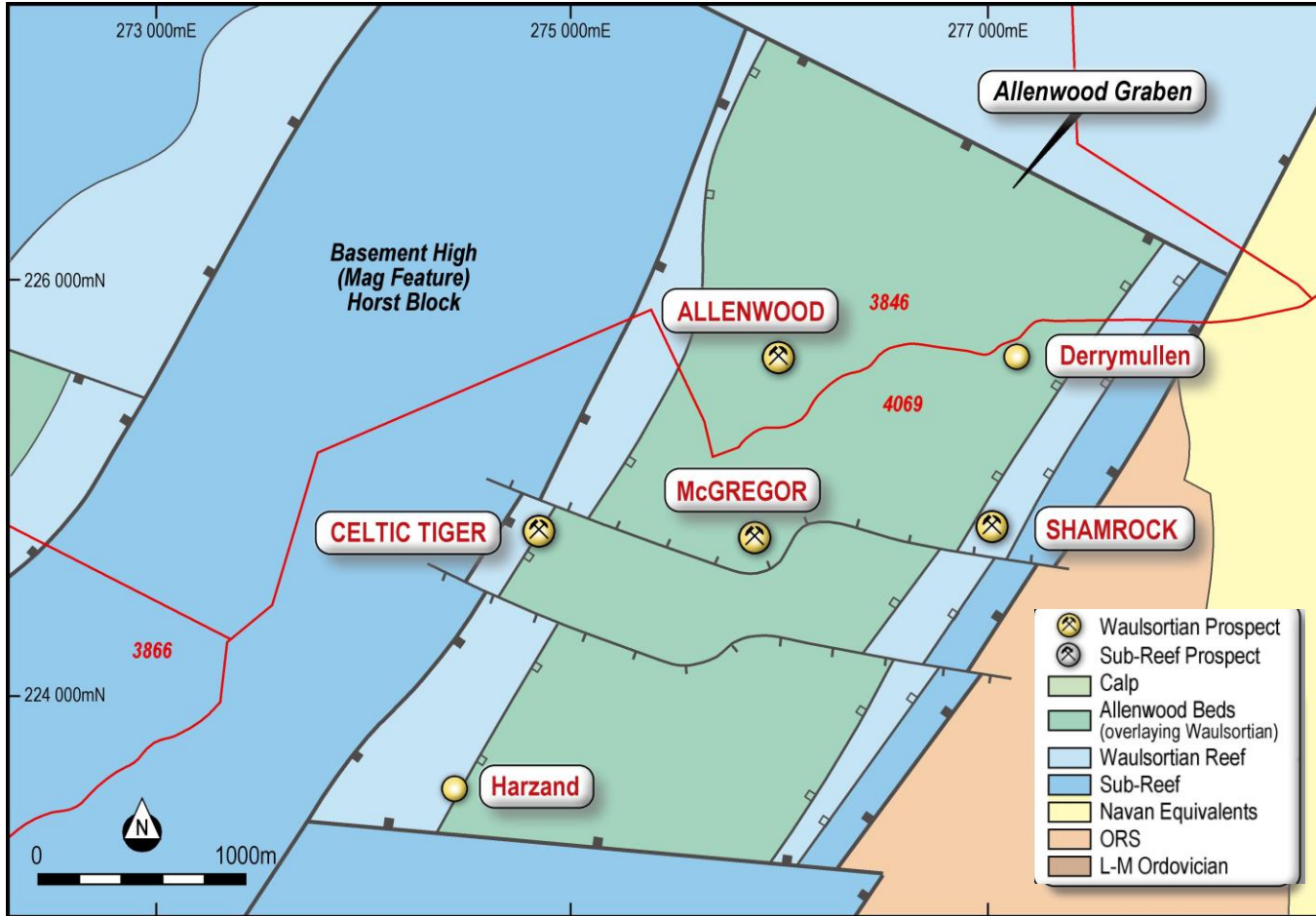
# Kildare: Key Ingredients for Irish/MVT Zinc Deposits

- ◆ Project-wide mineralisation.
- ◆ Widespread Waulsortian Reef, at surface and **beneath the Allenwood Beds**.
- ◆ Major basement growth faults and numerous cross-faults.
- ◆ 30 years of historical exploration, little activity post 1990, BoR largely untested.
- ◆ Structural targets overlooked.
- ◆ Consolidated licence holding.



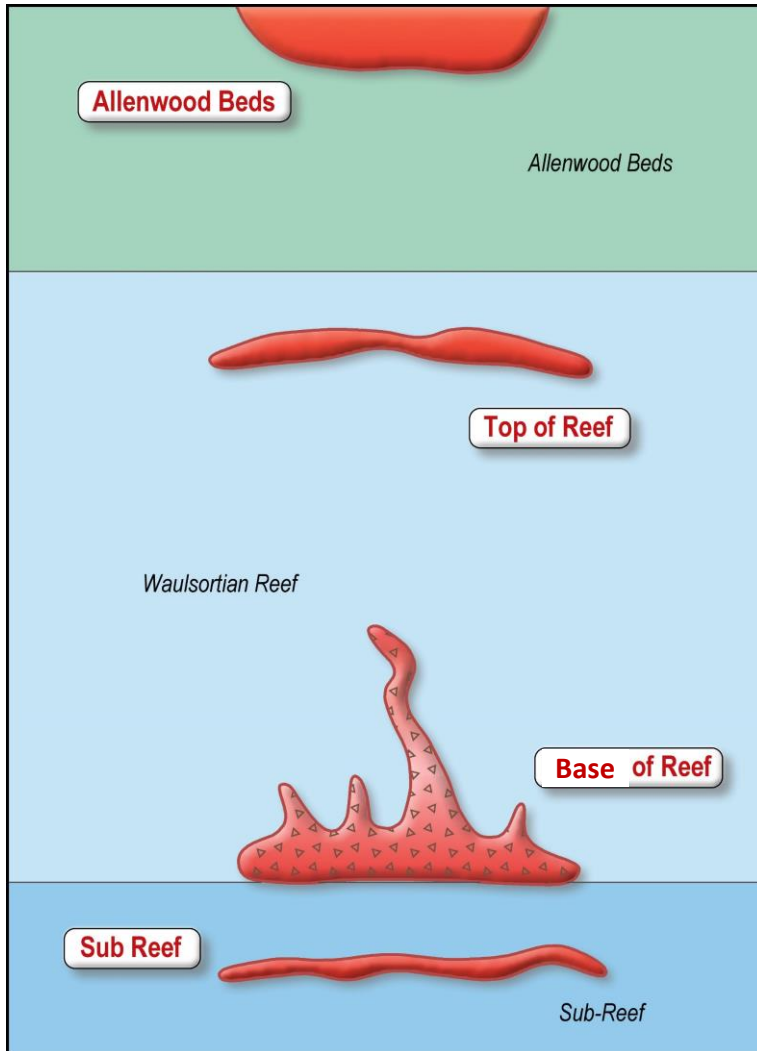


# A New Focus on Previously Overlooked Structural Controls



- ✦ ZMI interpreted 'Allenwood Graben'.
- ✦ Abundant Waulsortian Reef within fault-bounded block.
- ✦ Base of Reef from ~100m-~400m deep.
- ✦ Consolidation of licenses enabling holistic approach for the first time.
- ✦ Major implications for future exploration.

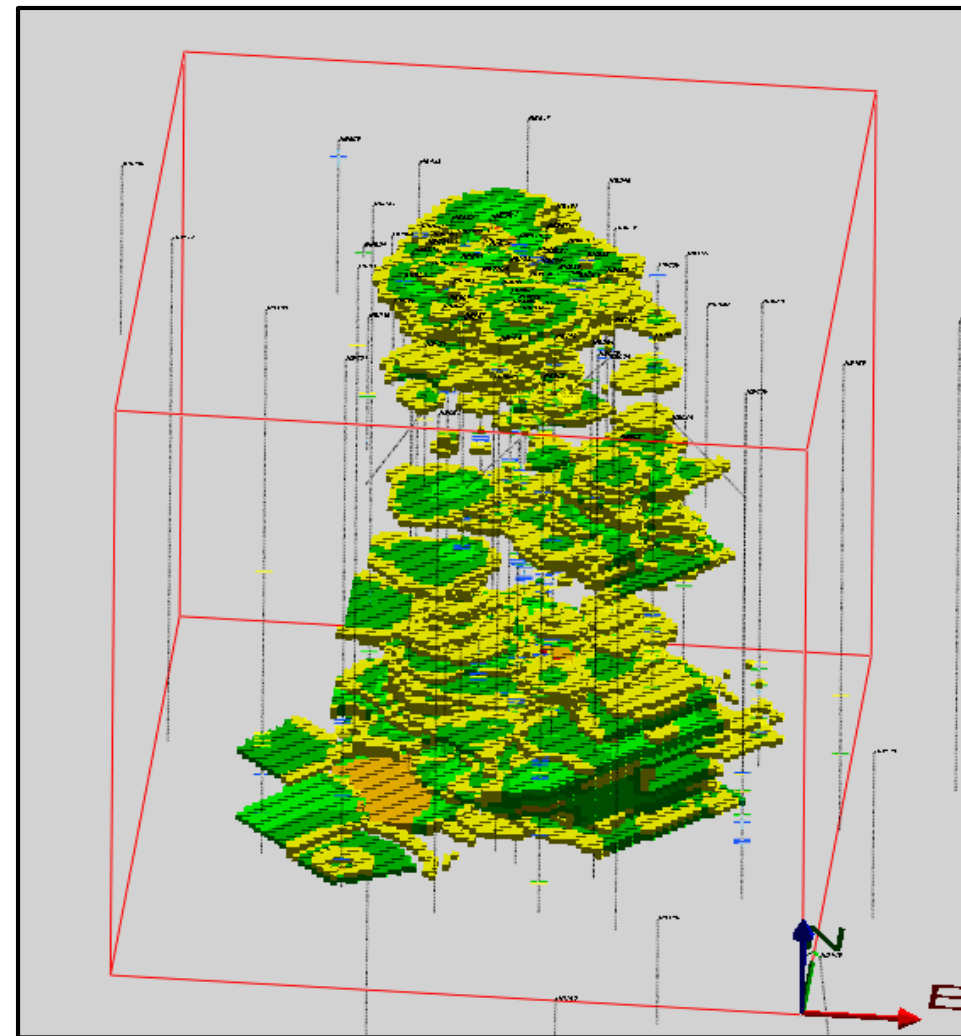
# ZMI Phase 1: Focus on Resource potential



- ✦ 2,000m confirmation/extension drilling at McGregor and Shamrock (2016):
- ✦ **9.15m @ 12.53% Zn & 2.17% Pb from 406.55m, McGregor, (ZC16-001)**
- ✦ **15.65m @ 11.17% Zn + Pb from 417.15m, Shamrock, (ZB16-002).**
- ✦ Mineralisation confirmed along multiple horizons.
- ✦ Confirms Base of Reef concept at Kildare.
- ✦ **Historical results were confirmed, enabling Resource calculation.**

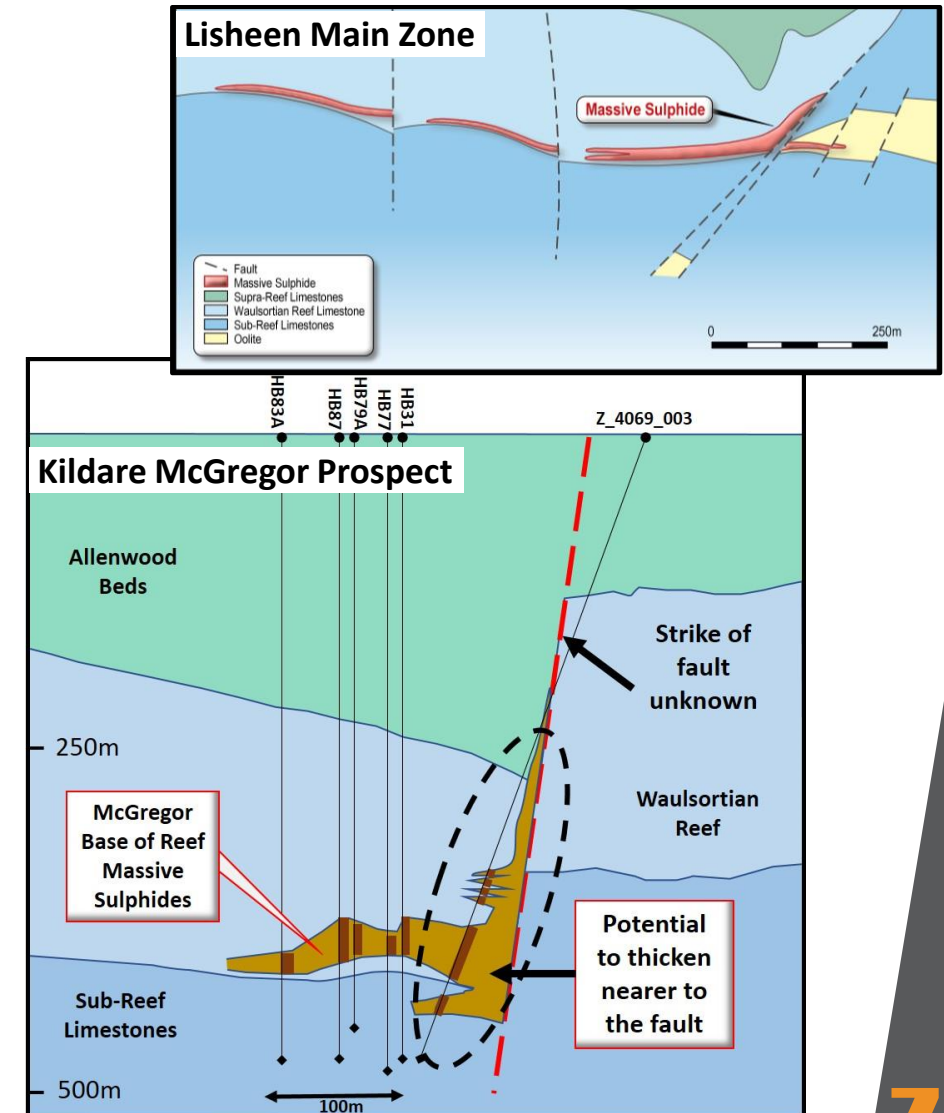
# JORC Resource, May 2017

- ◆ Maiden JORC resource published within 12 months of listing:
  - ◆ **5.2Mt @ 8.6% Zn+Pb**
- ◆ High Grade Component:
  - ◆ **3.5Mt @ 10.1% Zn+Pb (6% cut)**
- ◆ Broader Mineralised Shell:
  - ◆ **11Mt @ 6.0% Pb+Zn (3% cut)**
- ◆ Significant metal inventory to underpin the future of the project.



# Phase 2: Spectacular Intercept Delivers Resource Upside....

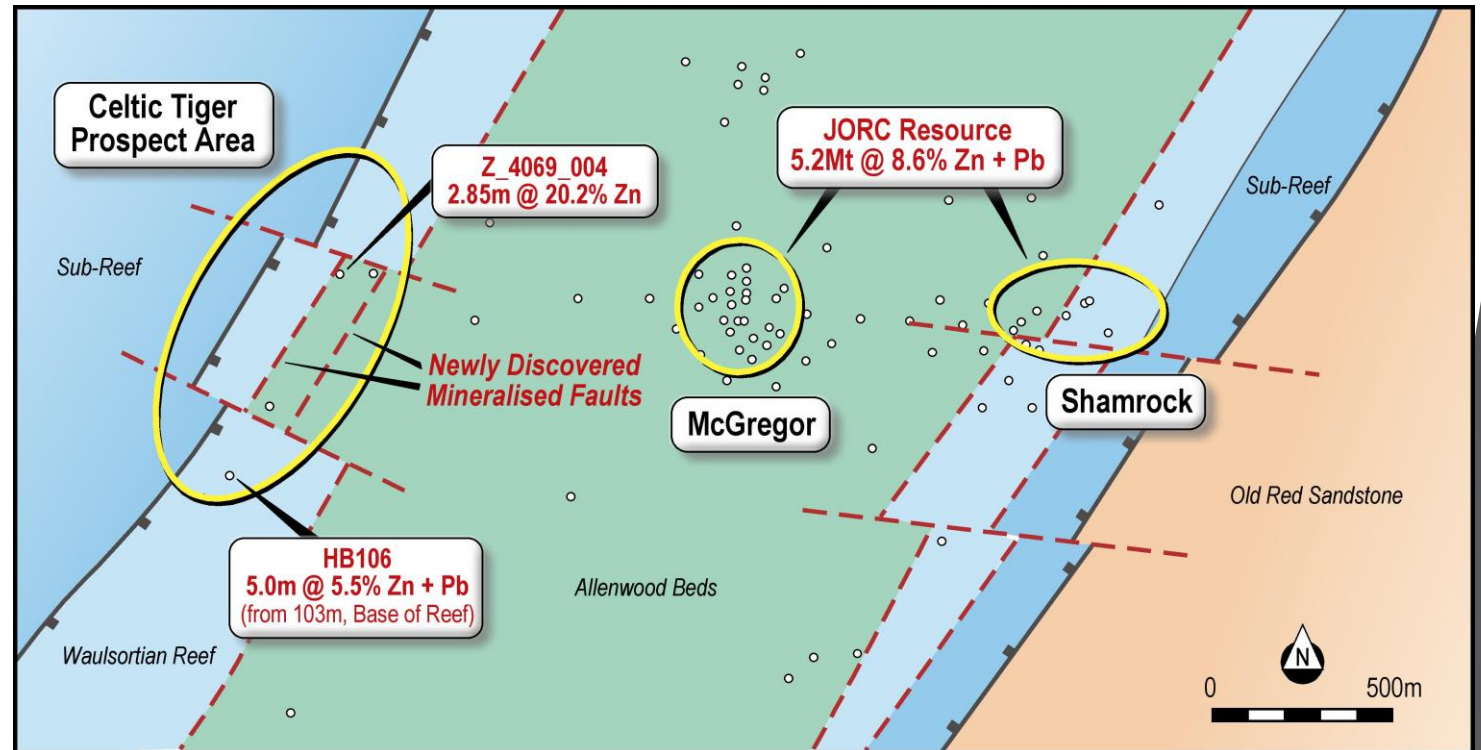
- ♦ Angled hole (z\_4069\_003) intersected growth fault on route to thick high grade mineralisation (June 2017).
- ♦ **23.25m @ 12.7% Zn+0.8% Pb from 396.53m, (true thickness), including:**
- ♦ **7.69m @ 17.2% Zn+1.0% Pb from 401.33m.**
- ♦ Conforms to models for Irish/MVT deposits; >thickness closer to fault/breccias/high-grade.
- ♦ 45m from nearest intercept, considerable scope to upgrade Resource.
- ♦ Follow-up drilling commencing August.





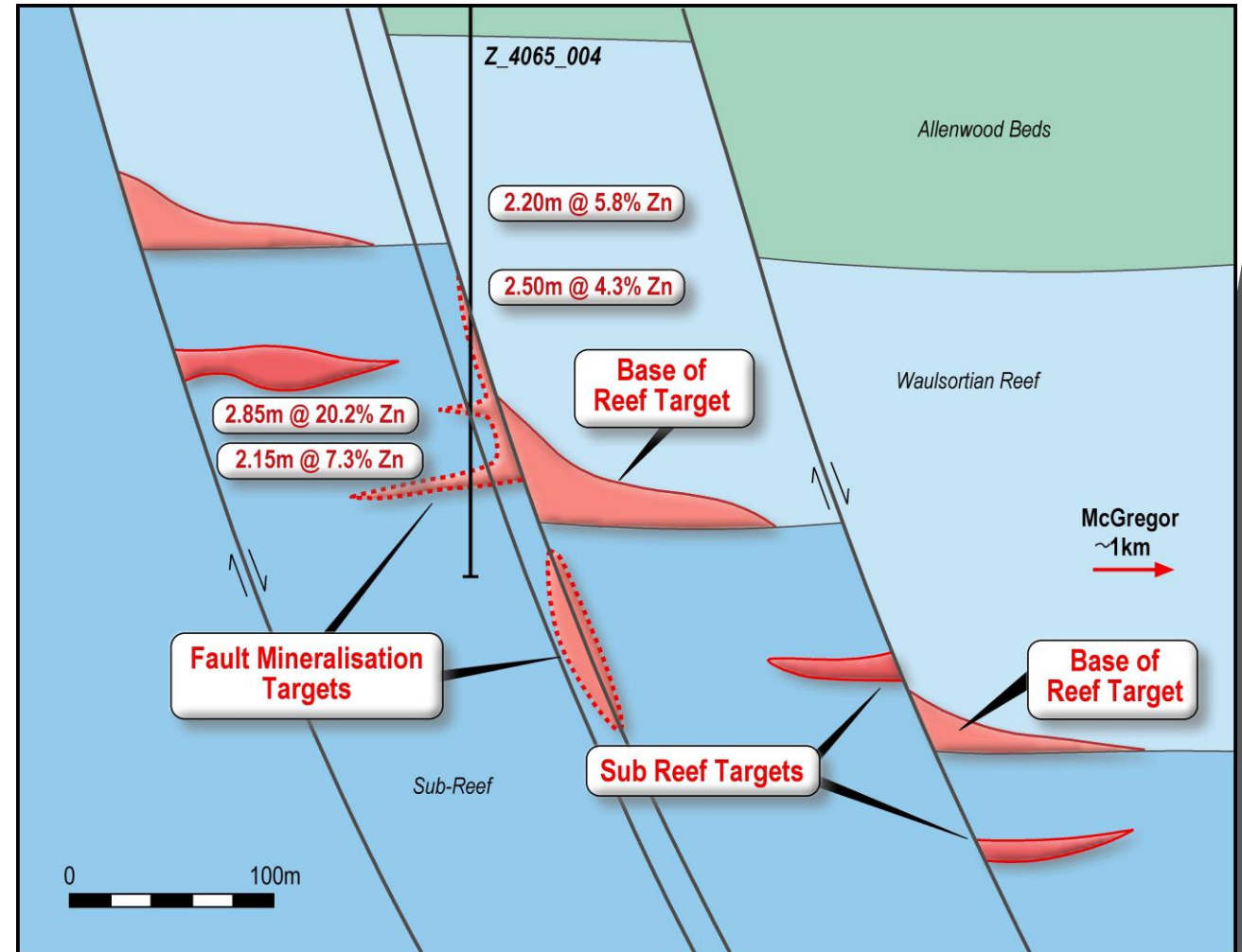
## ..... and a New Discovery: Celtic Tiger

- ✦ Structural targets were predicted along western margin of Allenwood Graben.
- ✦ Drilling intersected zones of high grade zinc mineralisation 1km west of McGregor, including:
  - ✦ **2.9m @ 20.2% Zn from 191m.**
- ✦ Confirmed favourable geology:
  - ✦ breccias, mineralised fault-zones with +100m displacement towards surface; Waulsortian Reef; Sub-Reef; cross-faults.

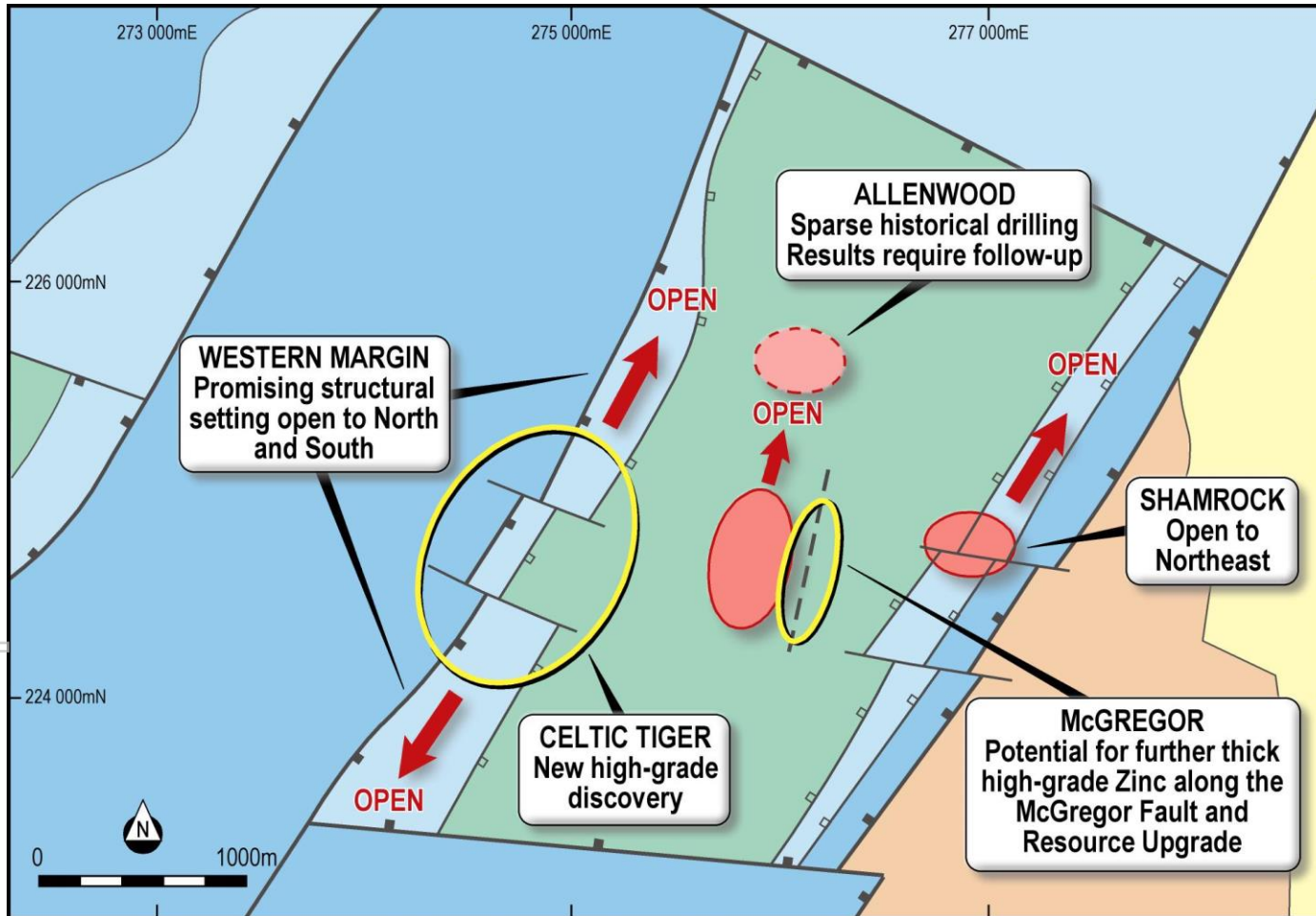


# Celtic Tiger: Favourable Setting for Structurally Controlled Zinc Deposits

- Multiple zones of mineralisation in an array of settings.
- Potential for mineralisation to be stepping up away from McGregor.
- Z-4069-004 2.9m@21.1% Zn+Pb from 191m (Sub-Reef)**
- HB106: 5m@5.5% Zn+Pb from 103m (Base of Reef)**
- ZMI to test a range of targets at varying depths during Phase 3 follow-up drilling beginning in August.



# Phase 3, August '17: Targeting High-Grade Zinc, Resource Growth and a New Area within MVT Cluster



- ✦ Aggressive drilling campaign to commence early August.
- ✦ McGregor: Growth fault and resource upgrade (grade and size).
- ✦ Celtic Tiger: Previously untested structurally controlled Waulsortian Reef targets.
- ✦ Follow-up high-grade shallow intercepts in Z\_4069\_004.

# ZMI: Developing a Leading Irish Zinc Project

- ♦ Establishing a strong foothold in Ireland.
- ♦ Resource and exploration upside at Kildare during ZMI's first year.
- ♦ New geological model has produced immediate success:
  - ♦ *Thick high-grade zinc, McGregor 'growth fault', Celtic Tiger discovery.*
- ♦ Zinc supply at 2006 inflection point, *price breakout anticipated.*
- ♦ Significant value being placed on zinc projects with short to medium term potential.
- ♦ Option over *the 650,000tpa Galmoy processing plant.*
- ♦ Strong Cash Position to advance Kildare and other projects.