ASX Announcement



<u>UPDATED MINERAL RESOURCE AT KILDARE ZINC PROJECT</u>

Inferred Mineral Resource of 9.0Mt @ 9.5% Zn+Pb at a 5.5% ZnEq cut off.

Highlights:

- Increase to 860,000 tonnes of contained Zn + Pb confirms development potential of the Kildare Zinc Project.
- Multiple zones of mineralisation from near surface demonstrating 500m of vertical extent.
- Potential for further resource increases through planned extensional drilling.
 - Drilling ongoing in new areas to test for repetitions of the mineralisation.
- Metallurgical test work confirms excellent Zn and Pb recoveries and concentrate grades at coarse grind sizes.
- Additional and ongoing work (environmental, EISA, metallurgy etc.) to further de-risk project.

Zinc of Ireland NL (ASX: ZMI) (**ZMI** or the **Company**) is pleased to announce an updated independent Mineral Resource Estimate ("**MRE**") for the Kildare Zinc Project, located approximately 40km southwest of Dublin, Ireland. The Inferred Mineral Resource for the McGregor and Shamrock Zones of the Kildare Zinc Project is summarised in Table 1. The preferred ZnEq cut off grade is 5.5%

	Table 1 McGregor and Shamrock Inferred Mineral Resource						
Deposit	ZnEq Cut Off (%)	Mt	Zn%	Pb%	Pb%+Zn%	Zn (kt)	Pb (kt)
McGregor	5.0	6.9	8.1	1.4	9.5	558	93
Shamrock	5.0	3.7	7.0	1.0	7.9	261	36
Total	5.0	10.6	7.7	1.2	8.9	819	129
McGregor	5.5	5.8	8.7	1.5	10.2	505	85
Shamrock	5.5	3.3	7.3	1.0	8.3	238	31
Total	5.5	9.0	8.2	1.3	9.5	743	116
McGregor	6.0	4.9	9.3	1.6	10.9	460	77
Shamrock	6.0	2.7	7.7	1.0	8.8	205	27
Total	6.0	7.6	8.8	1.4	10.1	665	104

- Due to rounding, numbers presented throughout this document may not add up precisely to the totals provided
- The ratio between Pb and Zn (0.8) is based on long term average price assumptions of \$2,500 per tonne for zinc (Zn) and \$2,000 per tonne for lead (Pb)
- ZnEq = (Zn% * Zn recovery) + (0.8* (Pb% * Pb recovery)).
- ZnEq = (Zn% * 0.9639) + (0.8 * Pb% * 0.8644)



ZMI Executive Director, Patrick Corr, said:

"This updated resource ticks another important box for our 100% owned Kildare Zinc Project, with our contained zinc and lead resource inventory increasing to in excess of 850,000 tonnes.

This significant improvement to the resources at Kildare greatly reduces the exploration risk threshold and provides a very strong foundation for our ongoing exploration, which is seeking to discover new zones of mineralisation and to expand the known mineralisation.

The excellent results of our recent metallurgical test work also reinforce Kildare's value.

Ireland has a rich history of zinc mining as demonstrated by the profitable Lisheen and Galmoy mines which were also located within the Rathdowney Trend within 80km of Kildare.

With a substantial resource inventory, significant exploration upside, excellent metallurgical performance, and additional de-risking activities ongoing, the Kildare Project remains well-poised on the pathway to development."

Prior to completing the updated resource estimate, ZMI technical management and ZMI's specialist consultants undertook a multi-phase data acquisition programme in order to materially increase the level of knowledge and understanding of the Allenwood Graben, a highly prospective area of approximately 8km² located within the greater Kildare Project, which included the following:

- Sampling and assaying of approximately 4,100m of previously unsampled drill core.
- Re-logging and sampling of all available drill core.
- Additional data acquisition of historical drilling data.
- Development and validation of a full relational project database using AcQuire.
- Development and validation of a GIS database.
- Multi-element analysis of all available and sampled drill core.
- Structural and geochemical review of the entire Allenwood Graben.
- Elucidation of the polyphase deformational and mineralisation sequencing.
- Exploration drilling and drilling for metallurgical samples.
- Metallurgical testwork.

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• Development of a three-dimensional geological and structural model of the Allenwood Graben.

ADDITIONAL SAMPLING, RE-LOGGING, AND DATABASE DEVELOPMENT

In order to develop a validated, multi-faceted relational database of the Allenwood Graben, the Company has carried out an extensive programme of re-logging and full sampling and assaying of all available drill core as part of a major data acquisition and database development programme. Additionally, all available historical drilling data has also been compiled. Table 2 summarises the relogging and sampling data.



	Table 2							
	Relogging/sampling (ZMI drill holes)							
Relog	gging		Sampling					
Holes (no)	Holes (m)	Holes (no)	Samples (no)	Samples (m)	No elements	BD site (no)	BD lab (no)	Laboratory
12 5498.15 12 3202 4115.85 19 348 360 ALS, Ireland								
RD: Bulk Densi	ty Measureme	nt						

Relogging includes: Lithology, stratigraphy, alteration, brecciation and mineralisation Elements include: Ag, As, Bi, Ca, Cd, Co, Cu, Fe, Hg, Mg, Mn, Mo, Ni, P, Pb, S, Sb, Tl, Zn

All the additional and existing data has been compiled into a validated relational AcQuire database by a specialist database development consulting group, as summarised in Table 3. The information has formed the basis for the structural and geological models and the resultant MRE. Appendix 1 lists all the drill hole collar information for the drill holes in the Allenwood Graben AcQuire database.

Table 3						
Database Development						
Item	ZMI	Historical	Total			
Holes (no)	12	155	167			
Holes (m)	5498.15	33238.63	38736.78			
Samples (no)	4529	4825	9354			
Samples (m)	5298.65	5391.16	10689.81			

STRUCTURAL, GEOCHEMICAL AND GEOLOGICAL MODELLING

A multi-disciplinary approach has been adopted in the development of a comprehensive model of the Allenwood Graben and geological, structural, alteration and geochemical information has been compiled from an extensive re-logging, sampling and re-analysis programme.

Structural and mineralogical logging of all available drill core demonstrated evidence for a protracted history of deformation and fluid flow, with part of this history responsible for the deposition of base metal (Pb and Zn) mineralisation. Deformation is expressed as variably developed veining, breccia development, brittle faulting, ductile shearing and foliation formation. A geological and mineralisation history was elucidated by the specialist structural consultant, that comprises successive, and locally overlapping, deformation and fluid flow events. Zn-Pb sulphides (sphalerite and galena) are localised within faults and areas of stratigraphically and structurally-controlled permeability.

For the purposes of geological modelling, the lithologies of the Allenwood Graben have been summarised into the following units:

- Overburden
- 'Carbonate-dominated' upper mineralisation
- **Above Waulsortian**
- Waulsortian
- **Below Waulsortian**
- **Basement**



Initial 3D surfaces of the boundaries between these main lithostratigraphic units were developed using Leapfrog software. Visualisation and 'shade-contouring' of the resultant surfaces were used as a guide to the position, type and relative offsets of a series of faults that are considered to have developed during the formation of the Allenwood Graben. The Allenwood Graben is a large, asymmetric half-graben as shown in Figures 1 and 2, which are, respectively, a plan and schematic cross section through the graben. Note that in Figure 1, the overlying glacial till, which covers the Allenwood Graben, has been omitted for clarity.

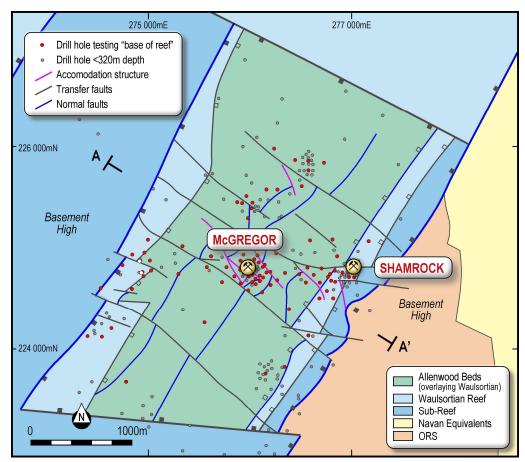


Figure 1: Schematic geological and structural map of the Allenwood Graben

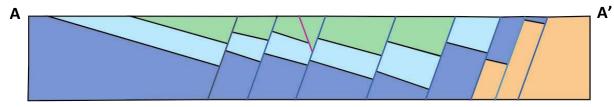


Figure 2: Schematic cross-section through the Allenwood Graben

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Using the structural 'architecture' modelled by ZMI's structural consultant, there is a major basin-bounding normal fault on the eastern margin of the Graben, along with sub-parallel subsidiary normal faults within the basin. The stratigraphy generally dips 10 to 20 degrees towards the east. Transfer faults, extensional and accommodation structures have also been modelled, which result in the formation of a series of at least 40 fault-constrained 'compartments' inside the Allenwood Graben. To date, 26 faults have been modelled (four transfer faults, six accommodation structures and 16 extensional faults) in the volume surrounding the McGregor and Shamrock deposits. In Figure 1, transfer faults are coloured black, extensional normal faults are coloured blue and accommodation structures are coloured pink. The fault array has been modelled in 3D in Leapfrog and then the key lithostratigraphic surfaces were remodelled, taking into account the relative displacement along the faults. A typical section showing the modelled displacements on the base of the Waulsortian reef surface is displayed in Figure 3.

The current geological and structural model is considered the first step in developing a full three-dimensional model of the Allenwood Graben as shown in Figures 3, 4 and 5.

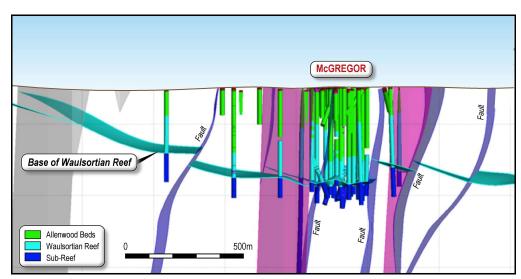


Figure 3: Indicative cross-section showing fault displacement on the base of the Waulsortian reef surface in the Leapfrog 3D geological and structural model (drill holes colour-coded by lithostratigraphic unit)



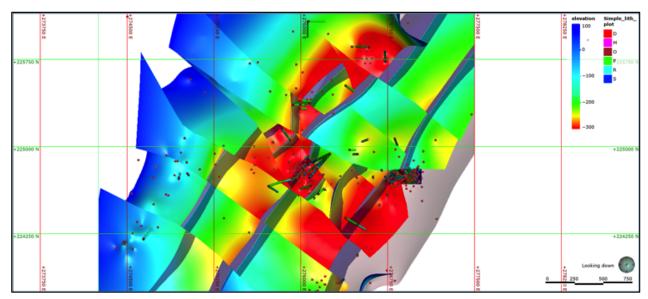


Figure 4: Plan view of the base of the Waulsortian surface, coloured by elevation (abrupt changes in hot and cool colours indicate large vertical offsets across the fault boundary structures)

As a result, a combined 3D lithological and structural model has been developed for the Allenwood Graben and has been used to control block model development and grade estimation during resource estimation.

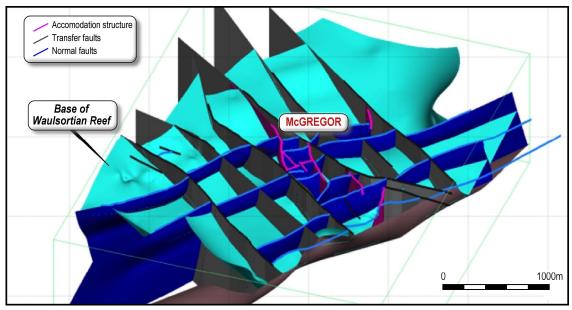


Figure 5: Isometric view with the base of Waulsortian reef surface in light blue within each fault block, along with the bounding structures

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METALLURGICAL TESTWORK AND BASE METAL PRICES

Previously announced metallurgical testwork (23rd April 2019) returned exceptional metallurgical results and the information has been used to develop a 'zinc equivalent' (ZnEq) cut off grade for use in resource reporting. The metallurgical testwork was carried out at a coarse grind size of p80 -150 microns, using a standard differential flotation process and a standard reagent regime. Very encouraging concentrates were produced:

- An overall 96.4% recovery of Zn to the Zn concentrate was achieved, with a 56% Zn grade in the concentrate and with minimal Pb (<0.5%).
- The Pb concentrate achieved 86.4% recovery with a 62% Pb concentrate grade and minimal Zn (<3%).

Similarly, minimal levels of deleterious elements occur in either concentrate. Refer to the ZMI ASX announcement on the 23rd April 2019 for further details.

In order to determine appropriate Pb and Zn prices for use in calculating a ZnEq cut off grade, the monthly average LME spot prices for Pb and Zn were assessed for the 5 years between June 2014 and June 2019, resulting in an average price of US\$2,468 per tonne for Zn and US\$2,047 per tonne for Pb. For the purposes of calculating a ZnEq cut off, these two prices were rounded to \$2,500 per tonne for Zn and \$2,000 per tonne for Pb, resulting in a 0.8 ratio between Pb and Zn.

The resultant ZnEq formula used in resource reporting is:

- ZnEq = (Zn% * Zn recovery) + (0.8* (Pb% * Pb recovery)).
- ZnEq = (Zn% * 0.9639) + (0.8 * Pb% * 0.8644).

All elements included in the ZnEq formula calc (i.e. zinc and lead) have a reasonable potential to be recovered and sold.

RESOURCE ESTIMATION

The AcQuire drill hole database was delivered for resource estimation in comma delimited format and was loaded into Vulcan software. Unsampled intervals (in the historical drilling) have been treated as the lower limit of detection and Zn and Pb values have been set to 0.001%. In addition, unsampled intervals have been split into 1m down hole lengths in order to facilitate 'flagging' of various wireframes during the resource estimation process.

The geological and structural model has been used to control the development of the block models of McGregor and Shamrock. The two rotated block models have been positioned relative to the McGregor and Shamrock drilling, as shown in Figure 6.



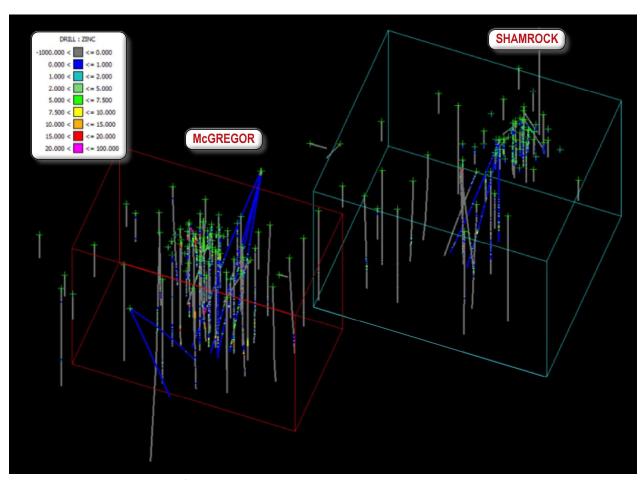


Figure 6: Isometric view of the McGregor and Shamrock drilling with the block model boundaries (McGregor in red, Shamrock in blue)

Given the complex 3D distribution of Pb-Zn mineralisation, a probabilistic grade shell approach has been used in order to define wireframes to constrain grade estimation, along with the structural and lithological controls developed for the 3D geology model. A mineralised shell was generated using indicator kriging based on a 2% lower cut off for a combined Pb and Zn variable in order to capture mineralisation in the model. The probability shell used 2m run length down hole composites (for uniform sample support), estimated into small blocks (2mE x 2mN x 2mRL). Following extensive review in 3D and in order to exclude obvious low-grade material, a 30% probability shell was adopted for use as an ordinary kriging (OK) grade estimation constraining boundary, as illustrated in Figure 7. In addition, the development of probabilistic grade shells was carried out separately for each major lithology, further constrained by the fault architecture. The basement (Code 100) and Upper Transported Glacial Till (Code 600) were excluded from the estimation process.



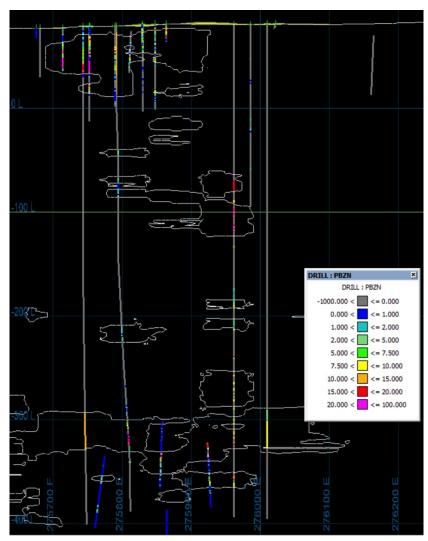


Figure 7: Typical section (McGregor) displaying the probability model wireframes (drill holes colour coded with Pb% + Zn%)

Statistical analysis has included univariate descriptive statistics, subdivided by major stratigraphic unit, variography, and correlation analysis for density data with Pb and Zn analyses. The univariate statistical analysis returned low coefficients of variation (standard deviation divided by the mean) indicating that outlier samples are not distorting the grade distribution. As such, upper cuts have not been applied prior to grade estimation. The variography resulted in two spherical structure models being developed for the four mineralised units (Carbonate-dominated upper mineralisation, Above-Waulsortian, Waulsortian and Below-Waulsortian). Typical overall ranges of 80m to 130m (major axis) and 50m to 80m (semi-major axis) in the horizontal axes and 15m in the vertical axis were modelled. A series of density regression models were developed for each key stratigraphic unit, for both the McGregor and Shamrock block models. The base case densities for each key unit (taken from density samples with dry bulk densities determined both by ZMI technical staff and ALS Ireland) were adjusted for the level of mineralisation using regression formulas, as summarised in Table 4.

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	Table 4					
Density values and regres	Density values and regression formulas used in the block models					
McGregor						
Material	Unmineralised	Mineralisation Regression Formula				
Overburden	2.00					
Upper carbonate-dominated mineralisation	2.80	density = (zn_pct*0.0292) + 2.80				
Above Waulsortian	2.80	density = (zn_pct*0.0685) + 2.80				
Waulsortian	2.90	density = (zn_pct*0.0361) + 2.9746				
Below Waulsortian	2.85	density = (zn_pct*0.0368) + 3.0427				
	Shamrock					
Material	Unmineralised	Mineralisation Regression Formula				
Overburden	2.00					
Upper carbonate-dominated mineralisation	2.90	density = (zn_pct*0.0275) + 2.9337				
Above Waulsortian	2.80					
Waulsortian	2.90	density = (zn_pct*0.0342) + 2.8127				
Below Waulsortian	2.85	density = (zn_pct*0.0368) + 3.0427				

Rotated (135 degrees around the vertical axis) block models were constructed in Vulcan using a 10mE x 10mN x 10mRL 'parent' cell size with sub-blocking to 2.5mE x 2.5mN x 2.5mRL. The block models were coded with the lithology codes using the Leapfrog geological and structural model. In addition, the probabilistic grade shells were also coded into the model to control grade estimation.

Grade estimation has been carried out using OK. Two estimation passes were employed for each key lithology, with the second OK pass using more extended search distances, within the coded probability shells that were used to constrain the estimate. The model was validated by both statistical methods and visual comparison.

Figure 8 shows an isometric view of the 5% ZnEq and 10% ZnEq 'grade' shells as a means of visualising the resource estimate. It is of note that the main zones of mineralisation delineated to date contain a high grade core (refer to Figure 8).

The McGregor and Shamrock models have been assessed using the JORC (2012) guidelines and the resource estimates are considered to comprise Inferred Resources. There has been no extrapolation of the mineralisation in the model beyond the parameters derived by the geostatistical modelling. On average the McGregor and Shamrock zones have been effectively drilled on a nominal 60m spacing.

Grade-tonnage reporting has been carried out using a ZnEq cut off, based on the ZnEq formula detailed above. Grade-tonnage reporting was carried out for a wide range of ZnEq cut off grades, subdivided by key stratigraphic grouping. Although it is premature for the Kildare Project to adopt a detailed NSR approach when reporting resources, a review of likely cut off grades, based on both current operations and historical operations within the Irish Lead-Zinc belt and other operations worldwide, suggests that a range of cut offs from 5% ZnEq to 6% ZnEq are appropriate for the Project at the current level of definition. Table 5 summarises the McGregor and Shamrock OK estimate grade-tonnage reports, subdivided by key stratigraphic unit.



						Мс				le-Tonnage atigraphic u								
		MC	GREGO	₹						AROCK					CON	IBINED		
ZnEq Cutoff	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt OPPER	Zn%	Pb%	INATED ZOI	NE Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb k
4.0	0.49	8.6	2.8	11.4	42	14	0.30	8.6	2.4	11.0	26	7	0.79	8.6	2.6	11.2	68	21
4.5	0.47	8.8	2.8	11.6	41	13	0.24	10.1	2.5	12.6	24	6	0.71	9.2	2.7	11.9	65	19
5.0	0.44	9.2	2.9	12.1	40	13	0.22	10.7	2.5	13.2	23	5	0.65	9.7	2.8	12.4	63	18
5.5	0.41	9.6	2.9	12.5	39	12	0.21	11.0	2.5	13.5	23	5	0.62	10.0	2.8	12.8	62	17
6.0 6.5	0.38 0.35	10.0 10.4	2.9 3.0	12.9 13.4	38 37	11 11	0.20 0.20	11.3 11.5	2.5 2.4	13.7 13.9	23 23	5	0.58 0.55	10.4 10.8	2.8 2.8	13.2 13.6	61 59	15
7.0	0.33	10.4	3.0	13.4	35	10	0.20	11.9	2.4	14.2	22	4	0.53	11.2	2.7	13.9	58	14
7.5	0.29	11.6	3.0	14.5	33	9	0.19	11.9	2.3	14.2	22	4	0.47	11.7	2.7	14.4	55	13
8.0	0.26	12.1	2.9	15.0	32	8	0.18	12.3	2.3	14.5	22	4	0.44	12.2	2.6	14.8	54	12
8.5	0.24	12.7	3.0	15.7	30	7	0.16	12.9	2.1	15.0	21	3	0.40	12.8	2.6	15.4	51	10
9.0	0.21	13.5	3.0	16.5	28	6	0.14	14.0	1.9	15.9	19	3	0.35	13.7	2.6	16.2	47	9
9.5	0.19	14.0	3.0	17.0	27	6	0.13	14.5	1.7	16.2	19	2	0.32	14.2	2.5	16.6	46	8
10.0	0.18	14.5	3.0	17.5	26	5	0.12	14.7	1.6 NAULSO	16.3	18	2	0.30	14.6	2.4	17.0	44	7
Cutoff	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb
4.0	2.75	6.8	1.3	8.1	186	36	0.00	0.0	0.0	0.0	0	0	2.75	6.8	1.3	8.1	186	36
4.5	2.23	7.5	1.5	8.9	166	32	0.00	0.0	0.0	0.0	0	0	2.23	7.5	1.5	8.9	166	32
5.0	1.77	8.3	1.6	9.9	147	29	0.00	0.0	0.0	0.0	0	0	1.77	8.3	1.6	9.9	147	29
5.5	1.53	8.8	1.7	10.5	135	26	0.00	0.0	0.0	0.0	0	0	1.53	8.8	1.7	10.5	135	20
6.0	1.38	9.2	1.7	11.0	128	24	0.00	0.0	0.0	0.0	0	0	1.38	9.2	1.7	11.0	128	24
6.5	1.22	9.8	1.8	11.6	119	22	0.00	0.0	0.0	0.0	0	0	1.22	9.8	1.8	11.6	119	22
7.0 7.5	1.12	10.1 10.4	1.9 1.9	11.9 12.3	113 107	21 19	0.00	0.0	0.0	0.0	0	0	1.12	10.1 10.4	1.9 1.9	11.9 12.3	113 107	19
8.0	0.93	10.4	1.9	12.7	107	17	0.00	0.0	0.0	0.0	0	0	0.93	10.4	1.9	12.7	107	17
8.5	0.81	11.3	1.9	13.2	92	15	0.00	0.0	0.0	0.0	0	0	0.81	11.3	1.9	13.2	92	15
9.0	0.67	12.1	1.9	14.0	80	13	0.00	0.0	0.0	0.0	0	0	0.67	12.1	1.9	14.0	80	13
9.5	0.54	13.0	1.9	14.9	70	10	0.00	0.0	0.0	0.0	0	0	0.54	13.0	1.9	14.9	70	10
10.0	0.46	13.8	1.8	15.6	64	8	0.00	0.0	0.0	0.0	0	0	0.46	13.8	1.8	15.6	64	8
									JLSORTI <i>A</i>			1						
Cutoff	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb
4.0 4.5	4.71 3.77	6.7 7.4	0.9 1.1	7.6 8.4	316 277	44	2.25 1.58	4.8 5.2	1.1	5.9 6.4	107 81	25 20	6.96 5.35	6.1 6.7	1.0	7.1 7.8	423 358	69
5.0	2.89	8.2	1.2	9.4	237	35	1.19	5.6	1.2	6.8	67	14	4.08	7.4	1.2	8.7	304	50
5.5	2.32	9.0	1.4	10.4	209	32	0.95	5.9	1.2	7.1	55	12	3.27	8.1	1.3	9.4	264	43
6.0	1.95	9.7	1.5	11.2	189	28	0.68	6.1	1.3	7.4	41	9	2.63	8.8	1.4	10.2	230	37
6.5	1.67	10.3	1.6	11.9	173	26	0.42	6.3	1.5	7.8	26	6	2.09	9.5	1.5	11.1	199	32
7.0	1.47	10.9	1.7	12.5	160	24	0.16	6.7	1.7	8.4	10	3	1.63	10.5	1.7	12.1	171	27
7.5	1.29	11.5	1.8 1.9	13.2	147	23	0.05	7.5	2.1	9.7	4	1	1.34	11.3	1.8	13.1	151 137	24
8.0 8.5	1.11 0.99	12.1 12.7	2.0	14.0 14.7	135 125	21 19	0.04	7.9 8.3	2.2	10.1 10.4	3	1	1.15 1.01	12.0 12.6	1.9 2.0	13.9 14.5	127	20
9.0	0.33	13.3	2.1	15.4	115	18	0.01	8.6	2.5	11.1	1	0	0.88	13.2	2.1	15.3	117	18
9.5	0.78	13.8	2.2	16.0	108	17	0.01	9.5	2.2	11.7	1	0	0.79	13.8	2.2	16.0	108	17
10.0	0.71	14.3	2.3	16.5	101	16	0.01	10.5	1.6	12.1	1	0	0.71	14.2	2.3	16.5	102	16
								BELOW V	NAULSO	RTIAN								
Cutoff	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb
4.0 4.5	2.40	6.7 7.2	0.9	7.6 8.1	160 146	21 19	3.16 2.74	6.6 7.0	0.6	7.2 7.6	208 191	19 18	5.56 4.79	6.6	0.7	7.3 7.8	368 337	40
4.5 5.0	2.05 1.76	7.6	0.9 1.0	8.1 8.6	146 134	19 17	2.74	7.0	0.6 0.7	7.6 8.0	191 171	18 16	4.79 4.09	7.0 7.5	0.8	7.8 8.3	337 305	36
5.5	1.52	8.0	1.0	9.0	121	15	2.33	7.4	0.7	8.3	160	15	3.61	7.8	0.8	8.6	281	30
6.0	1.22	8.6	1.1	9.7	105	13	1.77	8.0	0.7	8.7	141	13	2.99	8.2	0.9	9.1	246	26
6.5	0.91	9.5	1.3	10.8	86	12	1.40	8.5	0.8	9.3	119	11	2.31	8.9	1.0	9.9	205	23
7.0	0.70	10.4	1.5	11.9	72	10	1.17	8.9	0.8	9.7	104	9	1.86	9.4	1.1	10.5	176	20
7.5	0.59	11.0	1.6	12.6	65	10	1.02	9.1	0.8	10.0	93	8	1.61	9.8	1.1	10.9	159	18
8.0	0.52	11.5	1.7	13.3	59	9	0.85	9.5	0.8	10.3	81	7	1.37	10.3	1.2	11.4	140	16
8.5	0.46	12.0	1.8	13.8	55	8	0.75	9.7	0.8	10.5	73	6	1.21	10.5	1.2	11.8	127	15
9.0 9.5	0.41 0.35	12.4 13.0	2.0	14.4 15.1	51 46	8	0.47	10.3	0.9 1.0	11.2 11.8	48 36	3	0.88	11.3 11.9	1.4	12.7 13.5	99 82	12
10.0	0.33	13.5	2.3	15.8	42	7	0.30	11.1	1.0	12.0	33	3	0.61	12.3	1.6	13.9	75	10
								_	TOTAL									<u>`</u>
	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb kt	Mt	Zn%	Pb%	Zn%+Pb%	Zn kt	Pb
Cutoff	10.35	6.8	1.1	7.9	704	115	5.71	6.0	0.9	6.9	341	52	16.07	6.5	1.0	7.5	1045	16
4.0		7.4	1.2	8.6	631	104	4.56	6.5	1.0	7.5	296	44	13.06	7.1	1.1	8.2	927	14
4.0 4.5	8.51					1 02	3.74	7.0	1.0	7.9	261	36	10.60	7.7	1.2	8.9	819	12
4.0 4.5 5.0	8.51 6.86	8.1	1.4	9.5	558	93												
4.0 4.5 5.0 5.5	8.51 6.86 5.78	8.1 8.7	1.5	10.2	505	85	3.25	7.3	1.0	8.3	238	31	9.03	8.2	1.3	9.5	743	
4.0 4.5 5.0 5.5 6.0	8.51 6.86 5.78 4.93	8.1 8.7 9.3	1.5 1.6	10.2 10.9	505 460	85 77	3.25 2.65	7.7	1.0	8.8	205	27	7.58	8.2 8.8	1.3 1.4	9.5 10.1	665	10
4.0 4.5 5.0 5.5 6.0 6.5	8.51 6.86 5.78 4.93 4.14	8.1 8.7 9.3 10.0	1.5 1.6 1.7	10.2 10.9 11.7	505 460 414	85 77 70	3.25 2.65 2.02	7.7 8.3	1.0 1.1	8.8 9.4	205 168	27 22	7.58 6.16	8.2 8.8 9.4	1.3 1.4 1.5	9.5 10.1 10.9	665 582	10 92
4.0 4.5 5.0 5.5 6.0 6.5 7.0	8.51 6.86 5.78 4.93 4.14 3.61	8.1 8.7 9.3 10.0 10.5	1.5 1.6 1.7 1.8	10.2 10.9 11.7 12.3	505 460 414 381	85 77 70 65	3.25 2.65 2.02 1.51	7.7 8.3 9.0	1.0 1.1 1.1	9.4 10.1	205 168 136	27 22 16	7.58 6.16 5.13	8.2 8.8 9.4 10.1	1.3 1.4 1.5 1.6	9.5 10.1 10.9 11.7	665	92 92
4.0 4.5 5.0 5.5 6.0 6.5	8.51 6.86 5.78 4.93 4.14	8.1 8.7 9.3 10.0	1.5 1.6 1.7	10.2 10.9 11.7	505 460 414	85 77 70	3.25 2.65 2.02	7.7 8.3	1.0 1.1	8.8 9.4	205 168	27 22	7.58 6.16	8.2 8.8 9.4	1.3 1.4 1.5	9.5 10.1 10.9	665 582 517	11 10 92 82 74 67
4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5	8.51 6.86 5.78 4.93 4.14 3.61 3.19	8.1 8.7 9.3 10.0 10.5 11.1	1.5 1.6 1.7 1.8 1.9	10.2 10.9 11.7 12.3 12.9	505 460 414 381 353	85 77 70 65 60	3.25 2.65 2.02 1.51 1.26	7.7 8.3 9.0 9.5	1.0 1.1 1.1 1.1	8.8 9.4 10.1 10.6	205 168 136 119	27 22 16 14	7.58 6.16 5.13 4.45	8.2 8.8 9.4 10.1 10.6	1.3 1.4 1.5 1.6 1.7	9.5 10.1 10.9 11.7 12.3	582 517 472	92 82 74
4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0	8.51 6.86 5.78 4.93 4.14 3.61 3.19 2.82	8.1 8.7 9.3 10.0 10.5 11.1 11.6	1.5 1.6 1.7 1.8 1.9 1.9	10.2 10.9 11.7 12.3 12.9 13.5	505 460 414 381 353 326	85 77 70 65 60 55	3.25 2.65 2.02 1.51 1.26 1.06	7.7 8.3 9.0 9.5 9.9	1.0 1.1 1.1 1.1 1.1	8.8 9.4 10.1 10.6 11.0	205 168 136 119 105	27 22 16 14 12	7.58 6.16 5.13 4.45 3.88	8.2 8.8 9.4 10.1 10.6 11.1	1.3 1.4 1.5 1.6 1.7 1.7	9.5 10.1 10.9 11.7 12.3 12.8	582 517 472 431	9: 8: 7: 6:

- Due to rounding, numbers presented throughout this document may not add up precisely to the totals provided
- ZnEq = (Zn% * Zn recovery) + (0.8* (Pb% * Pb recovery)).
- ZnEq = (Zn% * 0.9639) + (0.8 * Pb% * 0.8644)



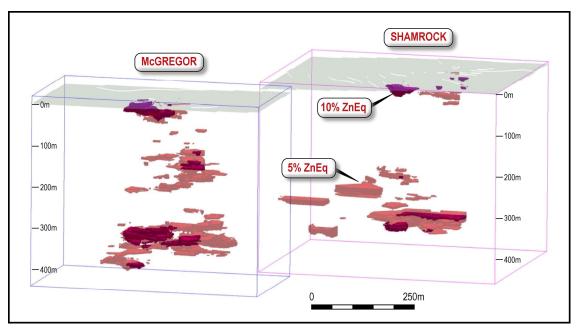


Figure 7: Isometric view of the McGregor (left) and Shamrock (right) 5% ZnEq (transparent red) and 10% ZnEq (solid pink) grade shells (note scale bar = 100m, vertical = horizontal scale). Other structures and lithostratigraphic boundaries omitted for clarity

Figure 8 summarises the tonnage distribution, by 10m RL increment, based on a 5% ZnEq cut off, subdivided for McGregor (blue) and Shamrock (red). The graph clearly shows that the system is mineralised at multiple levels, in both McGregor and Shamrock. The 'Upper', 'Above Waulsortian', Waulsortian and 'base of reef' or 'Below Waulsortian' mineralisation are evident, with Pb-Zn mineralisation being intersected over 500m of vertical extent.

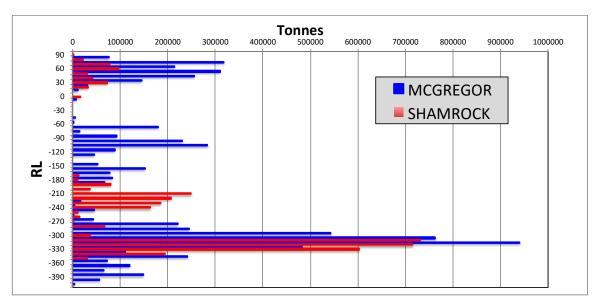


Figure 8: Resource distribution graph subdivided by 10m RL increment for McGregor and Shamrock, based on a 5% ZnEq cut off grade



Looking Forward

The Phase 1 Exploration drilling campaign is ongoing in the Allenwood Graben with multiple rigs targeting areas with the potential to host additional zones of mineralisation similar to McGregor and Shamrock.

The planning of the Phase 2 drilling campaign is also being advanced, with particular focus being on the significant potential to expand the Resource proximal to McGregor and Shamrock. Allowance will also be made to follow up areas of priority from the Phase 1 drilling.

Parallel activities (such as environmental, ESIA, additional metallurgy etc.) will also be undertaken with a view to further de-risking the Kildare Zinc Project, such that any formal economic and development studies to be undertaken in the future can be expedited.

Yours faithfully,

Patrick Corr Executive Director Zinc of Ireland NL

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Tel: +61 459 209 093

Email: patrick@zincofireland.com **Competent Persons' Statements**

The information in this report that relates to exploration results is based on information compiled by Mr. Sean Hasson, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr. Hasson is Zinc of Ireland NL's Exploration Manager. Mr. Hasson 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. Hasson consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Mineral Resources is based on information compiled by Brian Wolfe, Senior Resource Consultant of International Resource Solutions Pty Ltd. Mr. Wolfe is a Member of the Australian Institute of Geoscientists and 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. Wolfe consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.



Disclaimer

Certain statements contained in this announcement, including information as to the future financial or operating performance of ZMI and its projects, are forward-looking statements that:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by ZMI, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and,
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

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APPENDIX 1: ALLENDWOOD GRABEN ACQUIRE DATABASE DRILL HOLE COLLAR SUMMARY

Hole ID	mE	mN	mRL	Dip	Azimuth	Tot Depth (m)	Туре
Z_4069_003	276253.085	224938.098	78.241	-55.3	220.5	554.3	ZMI
Z_4069_006	276253.085	224938.098	78.241	-58.9	227.5	583.5	ZMI
Z_4069_008	276253.085	224938.098	78.241	-53.7	228.2	572.1	ZMI
Z_4069_027	276251.227	224939.519	78.332	-54.6	243.9	587.5	ZMI
Z_4069_028	275717.982	224657.309	79.08	-60.4	68.4	524	ZMI
Z 4069 029	275717.512	224657.698	78.84	-73.8	118.5	420.5	ZMI
ZB16_001	276990.1	224788.5	94.7	-90	0	183.2	ZMI
ZB16 002	276900	224750	97	-90	0	488	ZMI
ZB16_003	276989.9	224749.9	95.01	-90	0	109	ZMI
ZB16 004	276903.1	224750.5	96.7	-70	263.5	474.3	ZMI
ZB16 005	276903.6	224750.5	96.7	-73.3	240.9	491.5	ZMI
ZC16 001	276024.4	224733.5	80.8	-90	356.4	510.25	ZMI
93 HB 3	277163	225054	87.4	-90	0	495	HIST
93 HB 4	277019	224704	92.7	-90	0	580	HIST
HB 001	276081	224686	80.2	-90	0	175.57	HIST
HB 002	276494	224933	79.9	-45	270	61.87	HIST
HB 003	276417	224971	78.1	-45	90	76.5	HIST
HB 004	276095	224666	81.4	-45	252	147.83	HIST
HB 005	276033	224797	78.9	-45	231	213.36	HIST
HB 006	275972	224740	78.5	-90	0	449.3	HIST
HB 007	275968	224834	76.9	-85	110	33.53	HIST
HB 008	275871	224955	74.7	-90	0	137.16	HIST
HB 009	275720	224901	76.7	-90	0	153.62	HIST
HB 010	276811	224584	98	-90	0	168.86	HIST
HB 011	276966	224710	98.7	-90	0	196.9	HIST
HB 012	276493	224681	85.1	-90	0	147.83	HIST
HB 013	276962	224790	94.7	-90	0	251.77	HIST
			92.7	-90	0		HIST
HB_014 HB 015	277027 276946	224695 224614	97.7	-90 -90	0	84.43 60.05	HIST
HB 016	276872	224714	98.2	-90	0	87.48	HIST
HB 017	276916	224714	97.4	-90	0	93.27	HIST
							HIST
HB_018	276876	224797 224739	94.7 93.1	-90 -90	0	62.18	HIST
HB_019 HB 020	277004		93.2	-90 -90	0	108.51	
HB 021	277013 276973	224828 224878	90.4	-90 -90	0	137.16 100.89	HIST
							HIST
HB_022	277051	224780	93.7	-90	0	172.52	HIST
HB_023	277057	224958	91.5	-90	0	102.41	
HB_024	276816	224973 224952	88.1	-90		97.54	HIST
HB_025	276630		84.8	-90	0	92.96	HIST
HB_026	276438	224794	83.1	-90	0	102.41	HIST
HB_027	275986	224710	82.8	-90	0	410.25	
HB_028	275962	224673	79.3 82.8	-90	0	129.54	HIST
HB_029	276027	224723		-90	0	164.9	HIST
HB_030	276117	224803	76.9	-90	0	203	HIST
HB_031	276035	224810	78.9	-90	0	486.5	HIST
HB_032	276081	224851	76.9	-90	0	441.35	HIST
HB_033	275994	224861	76.8	-90	0	457.2	HIST
HB_034	275949	224816	78	-90	0	124.36	HIST
HB_035	275903	224776	77.9	-90	0	436.2	HIST
HB_036	275917	224709	78.1	-90	0	120.4	HIST
HB_038	276016	224630	81.2	-90	0	184.71	HIST
HB_039	276158	224751	78.1	-90	0	182.88	HIST
HB_040	276148	224587	81.2	-55	45	124.36	HIST
HB_041	276908	224664	98.3	-90	0	83.82	HIST
HB_042	276815	224653	98	-90	0	128.02	HIST
HB_043	276829	224757	96.4	-90	0	84.73	HIST



HB Q45	LID 044	277050	224066	02.2	00		06.22	LUCT
HB_046	HB_044	277059	224866	93.2	-90	0	96.32	HIST
HB_047								
HB_048	_							
HB_049								
HB_050								
HB_051	_							
HB_052	_							
HB_053		275907						
HB_054 276828.5 224769.2 98.2 -90 0 457.2 HIST HB_055 276685 224650 94.2 -90 0 465.7 HIST HB_056 276695 224791 91.1 -90 0 425.5 HIST HB_057 276750 224571 97.4 -90 0 518.2 HIST HB_058 276051 224635 81.2 -90 0 488.9 HIST HB_059 276680 224500 96.7 -90 0 474.1 HIST HB_060 276198 22457 81.3 -90 0 461.5 HIST HB_061 275981 22457 80.1 -90 0 454.7 HIST HB_062 276114 224557 81.4 -90 0 434.3 HIST HB_063 276479 224736 84.2 -90 0 434.3 HIST HB_064 276833 224657 98.2 -90 0 434.3 HIST HB_065 27697 224674 98. -77.5 320 457.2 HIST HB_069 276049 224830 76.8 -90 0 79 HIST HB_069 276049 224830 76.8 -90 0 79 HIST HB_070 275990 224857 76.8 -65 140 122.2 HIST HB_071 275977 224835 76.8 -90 0 91.6 HIST HB_072 275994 224816 78.9 -90 0 91.6 HIST HB_073 276010 224796 78.9 -90 0 91.6 HIST HB_074 276027 224778 78.9 -90 0 69 HIST HB_075 276055 224783 78.9 -90 0 62.6 HIST HB_076 276992 224813 78.9 -90 0 62.6 HIST HB_077 276032 224813 78.9 -90 0 62.6 HIST HB_078 275991 224813 78.9 -90 0 62.8 HIST HB_079 275992 224813 78.9 -90 0 62.3 HIST HB_079 275992 224781 78.9 -90 0 42.6 HIST HB_080 276049 224830 78.9 -90 0 42.6 HIST HB_081 275973 224835 78.9 -90 0 42.6 HIST HB_082 275991 224816 78.9 -90 0 42.6 HIST HB_078 275992 224781 78.9 -90 0 42.6 HIST HB_081 275973 224835 78.9 -90 0 42.6 HIST HB_081 275973 224828 76.9 -90 0 47.24 HIST HB_082 275980 22486 78.9 -90 0 47.24 HIST HB_083 275980 22486 78.9 -90 0 47.6 HIST HB_083 275980 224860 78.9 -90 0 47.6								
HB_055	HB_053	276125	224701	80.2	-90	0	459.3	HIST
HB_0556 276699 224790 91.1 -90 0 425.5 HIST HB_057 276750 224571 97.4 -90 0 518.2 HIST HB_058 276618 224635 81.2 -90 0 488.9 HIST HB_059 276680 224500 96.7 -90 0 474.1 HIST HB_059 276680 224629 81.3 -90 0 461.5 HIST HB_061 275981 224629 81.3 -90 0 445.7 HIST HB_062 276114 224557 81.4 -90 0 448.1 HIST HB_062 276114 224557 81.4 -90 0 448.1 HIST HB_063 276479 224736 84.2 -90 0 434.3 HIST HB_064 276833 224657 89.2 -90 0 502.92 HIST HB_065 276049 224736 84.2 -90 0 80.8 HIST HB_068 276081 224791 77.4 -90 0 80.8 HIST HB_069 276049 224830 76.8 -90 0 79 HIST HB_071 275977 224674 98 -77.5 320 457.2 HIST HB_071 275977 224835 76.8 -90 0 42 HIST HB_071 275977 224816 78.9 -90 0 91.6 HIST HB_072 276027 224777 78.9 -90 0 69 HIST HB_075 276055 224783 78.9 -90 0 69 HIST HB_075 276055 224783 78.9 -90 0 69 HIST HB_076 276029 224837 78.9 -90 0 69 HIST HB_077 276029 224837 78.9 -90 0 69 HIST HB_078 276029 224837 78.9 -90 0 62 HIST HB_078 276029 224837 78.9 -90 0 62 HIST HB_078 276029 224837 78.9 -90 0 62 HIST HB_078 275992 224781 78.9 -90 0 40 40 40 40 40 40 4	HB_054	276828.5	224769.2	98.2	-90	0	457.2	HIST
HB_057 276750 224571 97.4 -90 0 518.2 HIST HB_058 276051 224635 81.2 -90 0 488.9 HIST HB_059 276680 224500 96.7 -90 0 474.1 HIST HB_050 276198 224529 81.3 -90 0 461.5 HIST HB_061 275981 224577 80.1 -90 0 454.7 HIST HB_062 276114 224557 81.4 -90 0 434.3 HIST HB_063 276479 224736 84.2 -90 0 434.3 HIST HB_064 276833 224657 98.2 -90 0 502.92 HIST HB_065 276797 224674 98 -77.5 320 457.2 HIST HB_068 276049 224330 76.8 -90 0 80.8 HIST HB_069 276049 224330 76.8 -90 0 79 HIST HB_070 275990 224857 76.8 -65 140 122.2 HIST HB_071 275977 224435 76.8 -90 0 42 HIST HB_072 275994 2244316 78.9 -90 0 69 HIST HB_073 276010 224796 78.9 -90 0 69 HIST HB_074 276027 224481 78.9 -90 0 69 HIST HB_075 276059 224813 78.9 -90 0 62 HIST HB_076 276029 224813 78.9 -90 0 62 HIST HB_077 276032 224839 76.8 -90 0 77.5 HIST HB_078 275951 224828 76.8 -90 0 492.6 HIST HB_078 275992 224781 78.9 -90 0 468.17 HIST HB_080 276016 224751 80.8 -90 0 482.6 HIST HB_080 275992 224781 78.9 -90 0 488.59 HIST HB_081 275973 224786 78 -90 0 488.8 HIST HB_082 275955 224783 78.9 -90 0 488.8 HIST HB_083 275940 224803 78 -90 0 488.59 HIST HB_081 275973 224786 78 -90 0 488.59 HIST HB_082 275956 224781 78.9 -90 0 488.17 HIST HB_083 275940 224803 78 -90 0 488.59 HIST HB_084 275958 224863 78 -90 0 488.59 HIST HB_085 275958 224786 78 -90 0 488.59 HIST HB_088 275933 224764 81.4 -90 0 47.24 HIST HB_099 276968 224712 98.8 -90 0 111.8 HIST HB_099 276968 224712 98.7 -90 0 111.85	HB_055	276685	224650	94.2	-90	0	465.7	HIST
HB_058	HB_056	276699	224790	91.1	-90	0	425.5	HIST
HB_059	HB_057	276750	224571	97.4	-90	0	518.2	HIST
HB_060	HB_058	276051	224635	81.2	-90	0	488.9	HIST
HB_061 275981 224577 80.1 -90	HB_059	276680	224500	96.7	-90	0	474.1	HIST
HB_062 276114 224557 81.4 -90 0 448.1 HIST HB_063 276479 224736 84.2 -90 0 434.3 HIST HB_064 276833 224657 98.2 -90 0 502.92 HIST HB_068 276081 224791 77.4 -90 0 80.8 HIST HB_069 276049 224830 76.8 -90 0 79 HIST HB_070 275990 224857 76.8 -65 140 122.2 HIST HB_071 275977 224835 76.8 -90 0 42 HIST HB_072 275994 224816 78.9 -90 0 42 HIST HB_073 276010 224796 78.9 -90 0 69 HIST HB_074 276055 224783 78.9 -90 0 82.6 HIST HB_075 276055 224783 78.9 -90 0 62 HIST HB_076 276029 224813 78.9 -90 0 62 HIST HB_077 276032 224849 76.8 -90 0 492.6 HIST HB_078 275952 224781 78.9 -90 0 20 HIST HB_079A 275992 224781 78.9 -90 0 20 HIST HB_079A 275992 224781 78.9 -90 0 468.17 HIST HB_080 276016 224751 80.8 -90 0 42.3 HIST HB_080 276016 224751 80.8 -90 0 42.3 HIST HB_081 275973 224786 78.9 -90 0 42.3 HIST HB_083 275940 224803 78 -90 0 488.59 HIST HB_083 275940 224803 78 -90 0 488.59 HIST HB_086 276087 224704 82.8 -90 0 488.59 HIST HB_086 276087 224781 78.9 -90 0 488.59 HIST HB_088 275984 224704 82.8 -90 0 488.59 HIST HB_088 275984 224704 82.8 -90 0 476.7 HIST HB_088 275984 224704 82.8 -90 0 476.7 HIST HB_088 275986 224781 98.8 -90 0 476.7 HIST HB_099 276968 224781 98.8 -90 0 476.7 HIST HB_090 276889 224719 98.8 -90 0 476.37 HIST HB_090 276898 224712 98.7 -90 0 112.85 HIST HB_090 276958 224748 97.4 -60 320 86.7 HIST HB_091 276968 224748 97.4 -60 320 60.7 HIST HB_096 276958 224747 97.4 -65 320 117.4 HIST HB_096 276958 224747 97.4 -65 320 1	HB 060	276198	224629	81.3	-90	0	461.5	HIST
HB_062 276114 224557	HB 061		224577	80.1	-90	0	454.7	HIST
HB_063			224557	81.4	-90	0	448.1	HIST
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_	HB_097	276929	224747	97.4	-65	320	117.4	HIST
UD 000 276044 224720 07.4 00 0 120.2 UIST	HB_098	276983	224764	93.1		0	110.15	HIST
HB_099 276944 224730 97.4 -90 0 120.2 HIST	HB_099	276944	224730	97.4	-90	0	120.2	HIST



HB_100	276992	224749	93.1	-90	0	71	HIST
_HB_101	276990	224713	93	-90	0	75	HIST
HB_102	276763	224710	95.1	-85	140	475.5	HIST
HB_103	276970	224792	94.7	-90	0	441.7	HIST
HB_105	275572	224801	78	-90	0	467.3	HIST
HB_107	276779	224729	95.9	-90	0	452.9	HIST
HB_109	275595	225000	72.7	-90	0	114.6	HIST
HB_112	276054	224688	82.8	-90	0	449.6	HIST
HB_117	275594	224771	76	-90	0	123.1	HIST
HB_122	275600	224840	75.4	-90	0	102.7	HIST
HB_126	277046	224530	95	-90	0	97.6	HIST
HB_137	276812	224497	98.4	-90	0	503.8	HIST
HB_141	276561	224796	84.8	-90	0	452	HIST
HB_155	275843	224711	78	-90	0	495.3	HIST
HB_156	276341	224745	81.6	-90	0	428.24	HIST
HB_157	275766	224802	77.3	-90	0	457.2	HIST
HB_159	276136	224821	77	-90	0	454.4	HIST
HB_160	276264	224676	81.2	-90	0	424.85	HIST
HB_161	276847	224910	90.1	-90	0	423.1	HIST
HB_162	276094	224719	80.2	-90	0	474.26	HIST
HB_163	276018	224734	80.8	-90	0	458.72	HIST
HB_164	276017	224658	80	-90	0	466.34	HIST
HB_165	276036	224879	75.2	-90	0	500.8	HIST
HB_166	276543	224654	87.8	-90	0	447.75	HIST
RHB_01	276870	224702	98.7	-90	0	29	HIST
RHB_02	276908	224735	98.2	-90	0	58.7	HIST
RHB_03	276942	224698	93	-90	0	30	HIST
RHB_04	276973	224657	93.1	-90	0	24	HIST
RHB_05	277011	224688	97.4	-90	0	58	HIST
RHB_06	276981	224728	92.4	-90	0	29	HIST
RHB_07	276947	224767	94.1	-90	0	22	HIST
RHB_08	276918	224842	96.42	-90	0	15	HIST
RHB_09	276987	224797	93.1	-90	0	36	HIST
RHB_10	277019	224759	92.6	-90	0	32	HIST
RHB_11	277042	224727	97.4	-90	0	21	HIST
RHB_12	276893	224754	98.2	-90	0	31	HIST
RHB_13	276911	224636	98.8	-90	0	26	HIST
RHB_14	276889	224683	96.4	-90	0	25	HIST
RHB_15	276857	224756	94.3	-90	0	25	HIST
RHB_16	277044	224651	92.7	-90	0	16	HIST
RHB_17	276803	224781	94.56	-90	0	24	HIST
RHB_18	276046	224793	76.8	-90	0	21	HIST
RHB_19	276014	224832	79.87	-90	0	62	HIST
RHB_20	275942	224838	76.9	-90	0	10	HIST
RHB_21	275975	224799	78	-90	0	32	HIST
RHB_22	276008	224761	80.8	-90	0	21	HIST
RHB_23	275937	224767	78.1	-90	0	8	HIST
RHB_24	275904	224806	77.9	-90	0	9	HIST
RHB_25	275969	224728	78	-90	0	12	HIST
 RHB_26	276022	224742	80.8	-90	0	17	HIST
RHB_27	276062	224775	81.1	-90	0	12	HIST
RHB_28	276065	224809	78.9	-90	0	23	HIST
RHB 29	276033	224848	76.8	-90	0	11	HIST
RHB_30	275942	224838	76.9	-90	0	10	HIST
RHB_82	275862	224996	74.3	-90	0	111.4	HIST



ADDITIONAL INFORMATION JORC CODE, 2012 EDITION – TABLE 1

The following sections are provided for compliance with requirements for the reporting of exploration results under the JORC Code, 2012 Edition.

Section 1 Sampling Techniques and Data

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	 Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information. 	 The Company is focused on exploring the Allenwood Graben Zn Project which is part of the larger Kildare group of prospecting licences. Given the distinct lack of surface rock outcrop and the prevalent glacial till cover the Company specifically relies on exploration diamond drilling to determine the 3D geological, structural and mineralisation context of the Allenwood Graben. As such the Company endeavours at all times to extract the maximum amount of geological information from its drill core. The Company's current set of procedures for processing diamond drill core would be considered 'industry best practice'.
Drilling techniques	Drill type (egg core, reverse circulation, openhole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (egg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	 Commonly tri-coning occurs through the overburden (glacial till) to depths of approximately 20m or when solid rock is encountered. Diamond drill core diameter may be PQ3/HQ3/NQ3/BQ3. Hex or full hole locking couplings are used on an as needs basis to promote hole stabilisation and reduce hole deviation as appropriate. The core was orientated at the drill site using a Reflex ACT III tool.



Criteria	JORC Code explanation	Commentary
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	 Drill core has been logged for recovery by length of run, RQD and recovery per sample interval. Triple tube coring has been used on an as needs basis to date. There does not appear to be a relationship between core recovery and grade and assessment remains ongoing on a regular basis. Sample recovery is maximised by drilling shorter length runs within zones of poor rock quality.
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged. 	 Drill holes have been logged by a competent geologist in Ireland. The current logging procedures would be sufficient to meet the requirements for a mineral resource estimate. Mineralisation/alteration/brecciation types, intensities, amounts and interpreted lithologies have been completed using a standardised logging template and ZMI's stratigraphic coding and nomenclature that has been defined so as to be relevant to the local geology and the styles of alteration, structure and mineralisation encountered. Core photography (wet & dry) is routine.
Sub- sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 Sampling has occurred within lithological/mineralised domains as and where appropriate. The Company marks up the core in regular sample intervals i.e. 2m intervals NQ and 1.5m intervals HQ3 (maximum sample size) and uses industry standard core cutting machines to cut the core into two halves with the right-hand side of the core downhole being sampled consistently. The remaining half-core is retained for reference and the selection of bulk density samples. The Company's sample preparation process would be considered "industry best practise" for this mineralisation style.



Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. Nature of quality control procedures adopted (egg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	 Samples are prepared by ALS Loughrea, Co Galway by jaw crushing to a nominal 70% passing 2mm with a representative 250g sample then split using a rotary splitter. The split sample is pulverised to 85% passing 75um in a LM-2. (ALS Code: ME-ICPORE) Ore grade analysis for base metals and associated elements by ICP-AES, following a strong oxidizing acid digestion. Elements (low reporting limit/upper limit) – units are % unless indicated otherwise: Ag (1/1500 ppm (μg/g)), As (0.005/30.0), Bi (0.005/30.00), Ca (0.01/50.0), Cd (0.001/10.0), Co (0.001/20.0), Cu (0.001/40.0), Fe (0.01/100.0), Hg (8/10000 ppm (μg/g)), Mg (0.01/50.0), Mn (0.005/50.0), Mo (0.001/10.0), Ni (0.001/30.0), P (0.01/20.0), Pb (0.005/30.0), S (0.05/50.0), Sb (0.005/100.0), Tl (0.005/1.0), Zn (0.002/100.0). The Company inserts appropriate certified reference material on a 1/20 basis. Field duplicates are taken on a 1/20 basis following the crushing stage and pulp replicates are taken on a 1/13 basis from the LM-2 bowl. The laboratory (ALS Loughrea) also carries out its own comprehensive internal QAQC on all jobs submitted by the Company. The Company QAQC data is reviewed by the responsible Geologist on a reported job basis and only after approval of said report is the data given the appropriate priority ranking within the acQuire database. Nominal 30cm billets of half core are selected for bulk density determination either by standard weight in air/weight in water (nonporous rock) or by the wax coating method depending on the quality of the sample. Sample spacing is on a nominal 10m downhole basis for non-mineralised intervals and on a nominal 3m downhole basis within mineralised zones. At present, approximately 17% of total analyses are related to the Company's QAQC programme. Metallurgical testwork samples have been assayed at the Wheal Jane Laboratory, Cornwall, UK.



Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	 All Company drill hole data is regularly validated upon its introduction into the acQuire database. The database Manager will report any potential sample overlaps, non-valid coding etc. to the responsible Geologist for appraisal. Until such a time as the responsible Geologist provides the correct information, said data resides within the database but is given a different 'priority level' and cannot be used as part of the final, validated database that would be used for a mineral resource estimate. The Company has not specifically 'twinned' any historic (i.e. pre-ZMI) RC drill holes. The Company has not specifically 'twinned' any historic (i.e. pre-ZMI) diamond drill holes and has not 'twinned' any of its own diamond drill holes. There may be some ZMI drill holes that would be considered as having been drilled 'near' to some historic drill holes. The Company has on site a written set of procedures dealing with all aspects of the 'Exploration Programme' e.g. dealing with zones of core loss in drill core through to data flow 'sign off' requirements, all of which have been specifically designed to be used with the acQuire database management system.
Location of data points	 Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. 	 Proposed drill hole collar surveys are determined by hand-held GPS in Irish Grid 65. Final drill hole collars have been surveyed either by handheld GPS or by a differential GPS: Trimble GPS6000 (RTK GPS accurate to 5mm) Downhole surveys are determined by Reflex EZTRAC. The principal area of exploration drilling would be considered relatively flat with no significant topographic constraints.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	Drill spacing is currently appropriate to the level of exploration being conducted by the Company and have been designed to provide the maximum amount of geological, grade continuity and structural information.



Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	Base metal mineralisation at the 'base of reef' i.e. Waulsortian Limestone lower contact is known to be sub-horizontal based on the results of historic drilling.
Sample security	The measures taken to ensure sample security.	Samples are prepared and stored at the Company's secure Grangeclare West core shed facility until such a time as they are transported to the ALS Loughrea facility by Company representatives.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	An on-site audit of site-based activities was undertaken by the resource estimation consultant as part of the site visit activities prior to the development of the resource model.



Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	 Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	 The Kildare Project is comprised of 7 Prospecting Licenses, namely PL890, PL3846, PL3866, PL4069, PL4070, PL4072 and PL4073 all of which are in 'good standing'. All tenements are 100% owned by Raptor Resources, a 100% owned subsidiary of Zinc of Ireland NL. No historical, wilderness or national parks are known to infringe significantly on the tenure.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Historical exploration is outlined in GXN Announcement dated 17 th March 2016 and associated annexes. Also, please see asx.com.au, under 'ZMI'.
Geology	Deposit type, geological setting and style of mineralisation.	The Kildare Project is situated approximately 2km NW of the Lower Palaeozoic Kildare Inlier on a northeast-southwest trending fault. Local geology consists of calcareous sediments conformably overlying Carboniferous Waulsortian Mudbank. This mudbank overlies a thick succession of carbonates and limestones above Paleozoic basement rocks. The area is considered prospective for brecciahosted Fe-Zn-Pb deposits similar to Irish-Type mineralisation.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: a easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	 All available information that has been able to be compiled for the historical drilling has been included in the AcQuire relational database. All current drill holes undertaken by ZMI have had a standard set of surveys carried out during the drilling and all information has been compiled and validated in the AcQuire relational database. Exploration results are not being reported.



Criteria	JORC Code explanation	Commentary
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (egg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	Future reporting of mineralised intervals will incorporate the appropriate information.
Relationship between mineralisation widths and intercept lengths	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (egg 	The Company will endeavour to provide the requisite information on intercept lengths and mineralisation lengths relationships on an as required basis as exploration drilling results are returned.
Diagrams	'down hole length, true width not known'). • Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan	The Company regularly observes this requirement.
Balanced	view of drill hole collar locations and appropriate sectional views. • Where comprehensive reporting of all	The Company regularly observes this
reporting	Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	requirement.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples — size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	The Company regularly observes this requirement.



Criteria	JORC Code explanation	Commentary
Further work	 The nature and scale of planned further work (egg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	The Company regularly observes this requirement and acknowledges that it will inform the market to the best of its abilities providing that the information is not commercially sensitive.

Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes. Data validation procedures used.	 The Company stores all its exploration data within the acQuire relational database; data are only accepted as Priority 1 following a rigorous validation process and only the Database Manager can make changes to the dataset. On a day to day basis all data derived from drill core is entered into specifically validated (i.e. drop down menu is locked) excel spreadsheet templates (e.g. alteration, brecciation, bulk density, collar, geotech, lithology, mineralisation, plan, drill plod, sample, structure, survey, core photos etc.) which are present on the Toughbook laptops that are used for this specific purpose; on a daily basis these templates are uploaded onto the server and following validation, into acQuire.
Site visits	 Comment on any site visits undertaken by the Competent Person and the outcome of those visits. If no site visits have been undertaken indicate why this is the case. 	Mr Brian Wolfe visited ZMI's Grangeclare West Core Processing Facility on the 12 th & 13 th February 2019 so as to participate in the Company's Technical Session and also to review all data collection procedures together with a discussion relating to the Company's standard QAQC practices. He also witnessed drilling operations and independently checked a representative number of ZMI drill collars using a hand held GPS unit.



Criteria	JORC Code explanation	Commentary
Geological interpretation	 Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit. Nature of the data used and of any assumptions made. The effect, if any, of alternative interpretations on Mineral Resource estimation. The use of geology in guiding and controlling Mineral Resource estimation. The factors affecting continuity both of grade and geology. 	 Approximately 68,000m of diamond drilling has been completed within the Allenwood Graben to date; all of which has been competently logged for lithology. The majority of that drilling has been completed within the McGregor-Shamrock area. Given that there is no outcrop within the project area all geological interpretations have been defined by diamond drill core. For the purposes of geological modelling, the lithologies of the Allenwood Graben have been summarised into the following units: Overburden, 'Carbonate-dominated' upper mineralisation, Above Waulsortian, Waulsortian, Below Waulsortian, Basement. A multi-disciplinary approach has been adopted in the development of a comprehensive model of the Allenwood Graben and geological, structural, alteration and geochemical information has been compiled from an extensive re-logging and re-analysis programme using a number of specialist consultants and ZMI technical staff. As a result of the above, a combined 3D lithological and structural model has been developed for the Allenwood Graben and has been used to control block model development and grade estimation during resource estimation.
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	The base metal mineralisation at Kildare is both structurally and stratigraphically-controlled. Within the McGregor-Shamrock region mineralisation has been traced for over 1km east-west, 500m north-south and over 500m depth. The style consists of numerous fault-controlled zones.



Criteria	JORC Code explanation	Commentary
Estimation and modelling techniques	 The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used. The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data. The assumptions made regarding recovery of by-products. Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation). In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed. Any assumptions behind modelling of selective mining units. Any assumptions about correlation between variables. Description of how the geological interpretation was used to control the resource estimates. Discussion of basis for using or not using grade cutting or capping. The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available. 	 The probabilistic approach (indicator kriging) in order to define volumes in which to carry out Ordinary Kriging is considered to be the most appropriate estimation approach at this stage of the project development. No alternative estimation method (such as nearest neighbour or inverse distance weighting) have been carried out as part of this resource estimate as the methods are not considered to be appropriate for the style of mineralisation. The style of mineralisation at Kildare consist of sphalerite (zinc) and galena (lead) with very low levels of potentially deleterious elements. Other than lead and zinc there are no other byproduct minerals. As any potentially deleterious elements are only present at very low levels, additional estimates of these elements has not been carried out to date. Recent metallurgical testwork has been carried out on representative freshly drilled diamond core and the results have been used in calculating a zinc equivalent cut off. A parent block cell size of 10m x 10m x 10m with sub-blocking to 2.5m x 2.5m x 2.5m has been adopted to replicate the various lithostratigraphic surfaces, fault boundaries and probability shells that have been used to both build the block model frameworks but also for grade estimation. Correlation studies were carried out between zinc grade and density in order to build correlation algorithms for use in density assignment. The univariate statistics for lead and zinc exhibit low coefficients of variation (standard deviation divided by the mean) indicating that outlier grades do to exist at Kildare. As such the data was not cut before grade estimation. Following grade estimation after grade estimation has consisted of both visual and statistical methods. During grade estimation both the structural framework and the key lithostratigraphic units were sued as controls during grade estimation.
Moisture	Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.	Dry bulk densities were collected and measured by both ZMI technical staff, ZMI's consultants and ALS (Ireland). The dry bulk density data has been correlated with both the lithostratigraphic logging and the analytical data.



Criteria	JORC Code explanation	Commentary
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	 Although it is premature for the Kildare project to adopt a detailed NSR approach when reporting resources, a review of likely cut off grades, based on both current operations and historical operations within the Irish Lead-Zinc belt and other operations worldwide, suggests that a range of cut offs from 5% ZnEq to 6% ZnEq are appropriate for the project at the current level of definition. A long term metal price (5 year LME average spot process from June 2014 to June 2019) were used to establish product prices for use in cut off grade calculations and to establish the price ratio between zinc and lead (0.8). The results of the metallurgical testwork were also taken into account. A recovery of 96.39% for zinc and 86.44% for lead has been sued and is supported by the metallurgical testwork results.
Metallurgical factors or assumptions	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	standard differential flotation process and a standard reagent regime. Very encouraging concentrates were produced. An overall 96.4% recovery of Zn to the Zn concentrate was achieved, with a 56% Zn grade in the



Criteria	JORC Code explanation	Commentary
Environmental factors or assumptions	Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.	 ZMI maintains an active ESIA programme with the express purpose of earning and retaining the social licence to operate. The project is at an early stage of development, however, the framework for environmental base line studies has been developed and is being put into action by ZMI management and their consultants. The region has a long history of mining of lead-zinc mineralisation and ZMI is well aware of the steps required to develop and permit a mining operation in Ireland.
Bulk density	 Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples. The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit. Discuss assumptions for bulk density estimates used in the evaluation process of the different materials. 	 The Company routinely collects approximately 30cm billets of half core for determination of bulk density; 1 sample every 10m when within unmineralised country rock and 1 sample every 3m within mineralised areas. Bulk density samples that exhibit open space and/or clear porosity are sent to ALS Loughrea for bulk density determination by wax coating followed by the water immersion method (ALS Loughrea code: OA-GRA09a). Bulk density samples that are clearly non-porous are determined internally at the Company's Core Processing Facility using the water immersion method.
Classification	 The basis for the classification of the Mineral Resources into varying confidence categories. Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data). Whether the result appropriately reflects the Competent Person's view of the deposit. 	 There has been no extrapolation of the mineralisation in the model beyond the parameters derived by the geostatistical modelling. On average the McGregor and Shamrock zones have been effectively drilled on a nominal 60m spacing. The resource estimate is considered to be an Inferred Resource under the JORC 2012 guidelines.
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	The resource estimate has been reviewed in detail internally by ZMI technical staff. No external audit of the independent resource estimate has been carried out to date.



Criteria	JORC Code explanation	Commentary
Discussion of relative accuracy/confidence	 Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. These statements of relative accuracy and confidence of the estimate should be compared with production data, where available. 	As an Inferred Resource, the current resource estimate is considered as a global estimate. It is recognised that additional infill drilling will be required to develop more robust local estimates, that are required to promote mineralisation to higher JORC resource categories for use in feasibility level studies.