

ASX / Media Release

1 July 2010

Extensional Drilling at Kapok West in WA Intersects Additional Lens of High Grade Lead and Zinc Mineralisation

Highlights

- **Extensional drilling at the Kapok West prospect, on the Lennard Shelf Project, has intersected an additional lens of high grade, up to 21% combined lead and zinc, mineralisation outside the eastern boundary of the Kapok West Inferred Mineral Resource (currently JORC Inferred mineral resource of 2.5Mt @ 3.1% Zn, 6.3% Pb and 13.0g/t Ag, above a combined 3% zinc plus lead cutoff);**
- **The new lens of zinc and lead mineralisation is up to 19m thick (downhole width) and was intersected in 2 holes drilled on section 13,439E;**
- **To date assay results for 58 drill holes have been received from the Kapok West prospect and of these, 33 holes are classified as infill holes and 25 as extensional drill holes. Results from 4 extensional and 2 infill holes are being released today;**
- **Results from the 6 drill holes released today include:**
 - **19.0m @ 19.35% Pb+Zn in KW10-056 (Extension)**
 - **9.0m @ 19.81% Pb+Zn in KW10-054 (Extension)**
 - **4.4m @ 20.99% Pb+Zn in KW10-057 (Extension)**
 - **3.5m @ 9.29% Pb+Zn in KW10-055 (Extension)**
- **The discovery of this thick high grade lens, outside the current eastern limit of the Kapok West Mineral Resource, has the potential to increase the size further and potentially the grade, of the Kapok West JORC Inferred mineral resource;**
- **It is now envisaged that 68 holes, both infill and extension, will be drilled at Kapok West due to the positive results achieved in recent months;**
- **Drilling continues at Kapok West with a single drill rig which will be supplemented by a second drill rig within the next 7-10 days.**

Australian resources company Meridian Minerals Limited ('Meridian' or 'Company') (ASX: MII) today announces assay results from a further 6 diamond drill holes drilled at the Kapok West prospect, on the Lennard Shelf Project ("Lennard Shelf"), as a part of the Emanuel Range Bankable Feasibility Study. Of these 6 holes, 4 were drilled with the objective of extending the currently defined Kapok West JORC Inferred Mineral Resource and 2 holes were drilled as a part of an infill drill program.



Meridian's Managing Director, Jeremy Read, said that over the past several months drilling at Kapok West had produced excellent results with new stacked lenses of high grade lead and zinc defined in the core of the Kapok West mineral resource and now a new thick lens of mineralisation intersected outside of the current Inferred Mineral Resource boundary.

"The lens of mineralisation intersected in holes KW10-054 and KW10-056 is in excess of 19m thick, containing combined lead and zinc grades up to 19.8%," Mr Read said.

"This is a new thick lens of high grade lead and zinc mineralisation, which is amongst the best of all our intersections at Kapok West. Also, as these intersections occur outside the current boundary of the Kapok West JORC Inferred Mineral Resource, they have the potential to increase the size of the Inferred Mineral Resource further."

"What is especially encouraging about these intersections is the high grade nature of them, which means we are adding valuable tonnes to the overall Kapok West Inferred Mineral Resource."

Over the past several months, the overall scope of the Kapok West drilling program has increased due to the positive results achieved. It is now envisaged that 68 holes, both infill and extension, will be drilled at Kapok West. Meridian is currently drilling hole KW10-065 and anticipates releasing results from a further 10 holes, which will conclude the Kapok West drill program.

Meridian will mobilise to site a second drill rig within the next 7-10 days to accelerate the conclusion of the Kapok West drill program. It is now anticipated that drilling will be completed at Kapok West by the end of July due to the extension of the drilling programme at Kapok West.

Once drilling at Kapok West is completed, drilling will commence at the Cadjebut Splay prospect, approximately 400m north of Kapok West. The Cadjebut Splay JORC Inferred Mineral Resource, is currently 1.1Mt @ 8.5% Pb, 2.4% Zn and 15.7g/t Ag, above a combined 3% zinc plus lead cutoff, but is open to the east and at depth. Drilling at Cadjebut Splay will be undertaken, using 2 drill rigs, with the objective of fully defining the limits of this mineralisation and potentially increasing the current size of the Cadjebut Splay mineral resource.

Kapok West Drill Program

In late November 2009, Meridian commenced a Bankable Feasibility Study ('BFS') to determine the viability of recommencing mining of the Kapok Mineral Resource and establishing new mining operations at the Kapok West and Cadjebut Splay Mineral Resources. This study is termed the Emanuel Range BFS, due to the geographic location of Kapok, Kapok West and Cadjebut Splay in the Emanuel Range region of the Lennard Shelf Project (Figure One).

The initial part of the BFS comprised a diamond drilling program to drill out the immediate extensions of the Kapok West Mineral Resource. The extensional drilling resulted in greater definition of the limits of the Kapok West mineralisation. A revision of the Kapok West Mineral Resource was announced to the ASX on 25 February 2010. The revised Mineral Resource for Kapok West is 2.5Mt @ 6.3% Pb, 3.1% Zn and 13.0g/t Ag, above a combined 3% zinc plus lead cutoff, reported as Inferred in accordance with the guidelines of the JORC Code (2004) (Figure One).

Infill and extensional drilling at Kapok West have been continuing in parallel. The results for the 4 extension and 2 infill drill holes announced today are given in Table One.

A summary of both the infill and extensional drill results announced today is presented in Figure Two with reference to the boundary of the revised Kapok West JORC Inferred Mineral Resource.



A geological cross-section showing the lead and zinc mineralisation intersected in holes KW10-054 and KW10-056 is displayed in Figure Three.

Following the receipt of all assay data from the Kapok West drill program, the current Kapok West Mineral Resource will be revised. Meridian is aiming to announce a further revision of the Kapok West Mineral Resource in August and this revised resource will then be used to determine how much of the Kapok West Mineral Resource could potentially be mined. This estimate will be a key input into the Emanuel Range BFS due for completion prior to the end of calendar year 2010.

For further information please visit www.meridianminerals.com.au or contact:

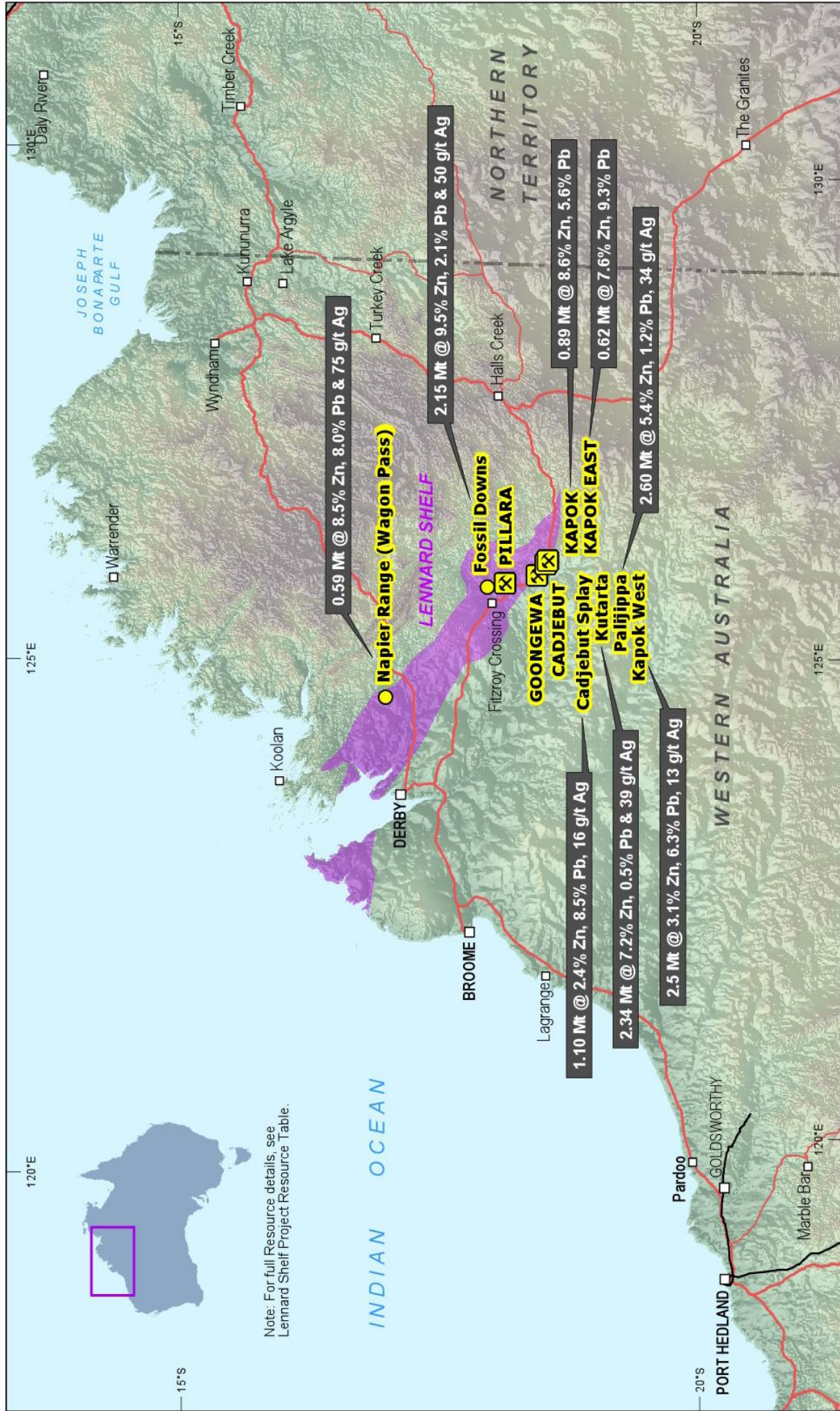
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The information in this report that relates to Exploration Results and historical Mineral Resources is based on information compiled by Mr Jeremy Read, who is a member of The Australasian Institute of Mining and Metallurgy. Mr Read is a full-time employee of Meridian Minerals Limited. He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Read consents to the inclusion in this announcement of the matters based upon his information in the form and context in which it appears. The information in this report that relates to the Kapok West Mineral Resource is based on information compiled by Mr Jason Hosken, who is a member of The Australasian Institute of Mining and Metallurgy. Mr Hosken is a full-time employee of Xstract Mining Consultants Pty Ltd. He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Hosken consents to the inclusion in this announcement of the matters based upon his information in the form and context in which it appears.

Table One – Kapok West Infill and Extension Drill Results

HOLE_ID#	Dip/Azimuth#	From (m)	To (m)	Downhole Interval (m)	Zn (%)	Pb (%)	Ag (g/t)	Zn+Pb (%)	Zn+Pb Cut off	Infill/Extension#		
KW10053#	-90#	347.00#	349.00#	2.00#	0.26#	6.35#	2.4#	6.61#	1% Zn+Pb cut off#	Extension#		
		including#										
		413.00#	419.00#	6.00#	0.05#	4.33#	12.67#	4.38#	1% Zn+Pb cut off#			
		413.00#	415.00#	2.00#	0.03#	7.31#	14.0#	7.34#	3% Zn+Pb cut off#			
KW10054#	-90#	444.00#	446.00#	2.00#	5.48#	0.25#	0.0#	5.73#	3% Zn+Pb cut off#	Infill#		
		including#										
		451.00#	467.00#	16.00#	7.70#	4.41#	1.8#	12.11#	1% Zn+Pb cut off#			
		451.00#	460.00#	9.00#	12.84#	6.97#	1.3#	19.81#	5% Zn+Pb cut off#			
KW10055#	-90#	460.50#	464.00#	3.50#	9.05#	0.25#	2.86#	9.29#	1% Zn+Pb cut off#	Extension#		
KW10056#	-90#	364.00#	383.00#	19.00#	15.28#	4.07#	3.42#	19.35#	3% Zn+Pb cut off#	Infill#		
KW10057#	-90#	276.65#	281.00#	4.35#	1.31#	2.31#	0.35#	3.63#	1% Zn+Pb cut off#	Extension#		
		including#										
		388.00#	392.00#	4.00#	0.01#	3.30#	5.75#	3.31#	1% Zn+Pb cut off#			
		396.00#	407.00#	11.00#	0.00#	6.70#	10.36#	6.71#	1% Zn+Pb cut off#			
		including#										
		402.00#	407.00#	5.00#	0.10#	9.71#	11.80#	9.81#	3% Zn+Pb cut off#			
		485.60#	490.00#	4.40#	12.19#	8.80#	17.11#	20.99#	3% Zn+Pb cut off#			
KW10058#	-90#	369.00#	393.00#	24.00#	0.80#	2.59#	12.13#	3.40#	0.5% Zn+Pb cut off#	Extension		
		including#										
		376.00#	378.00#	2.00#	1.73#	5.32#	5.50#	7.04#	1% Zn+Pb cut off#			
		384.00#	387.00#	3.00#	1.69#	3.58#	18.00#	5.27#	3% Zn+Pb cut off#			
		392.00#	400.00#	8.00#	0.71#	4.69#	16.25#	5.40#	0.5% Zn+Pb cut off#			
		including#										
		396.00#	398.00#	2.00#	2.29#	4.93#	8.50#	7.22#	3% Zn+Pb cut off#			



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LENNARD SHELF PROJECT

LOCATION OF MINES AND PROSPECTS

Prepared: _____ Date: April 2010

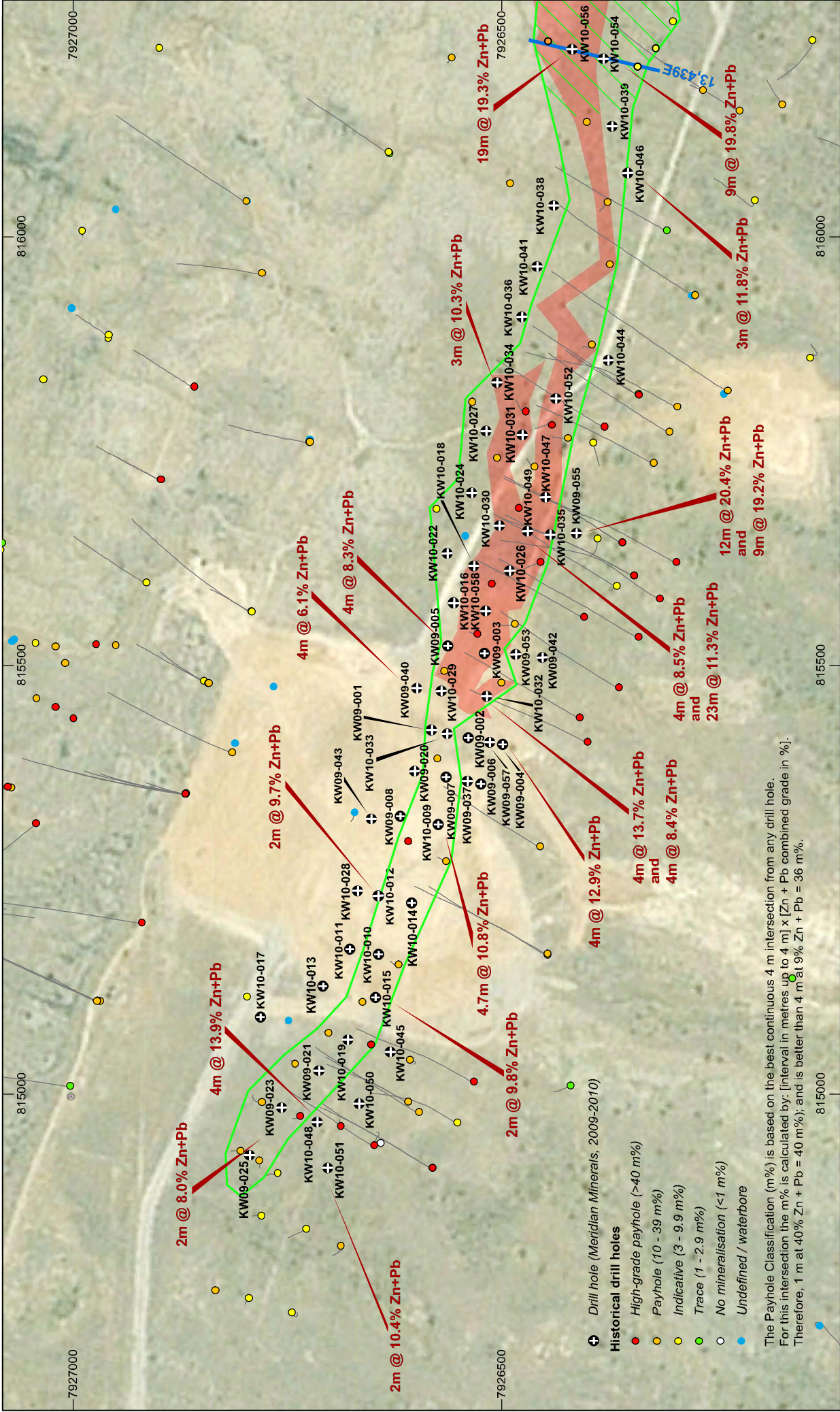
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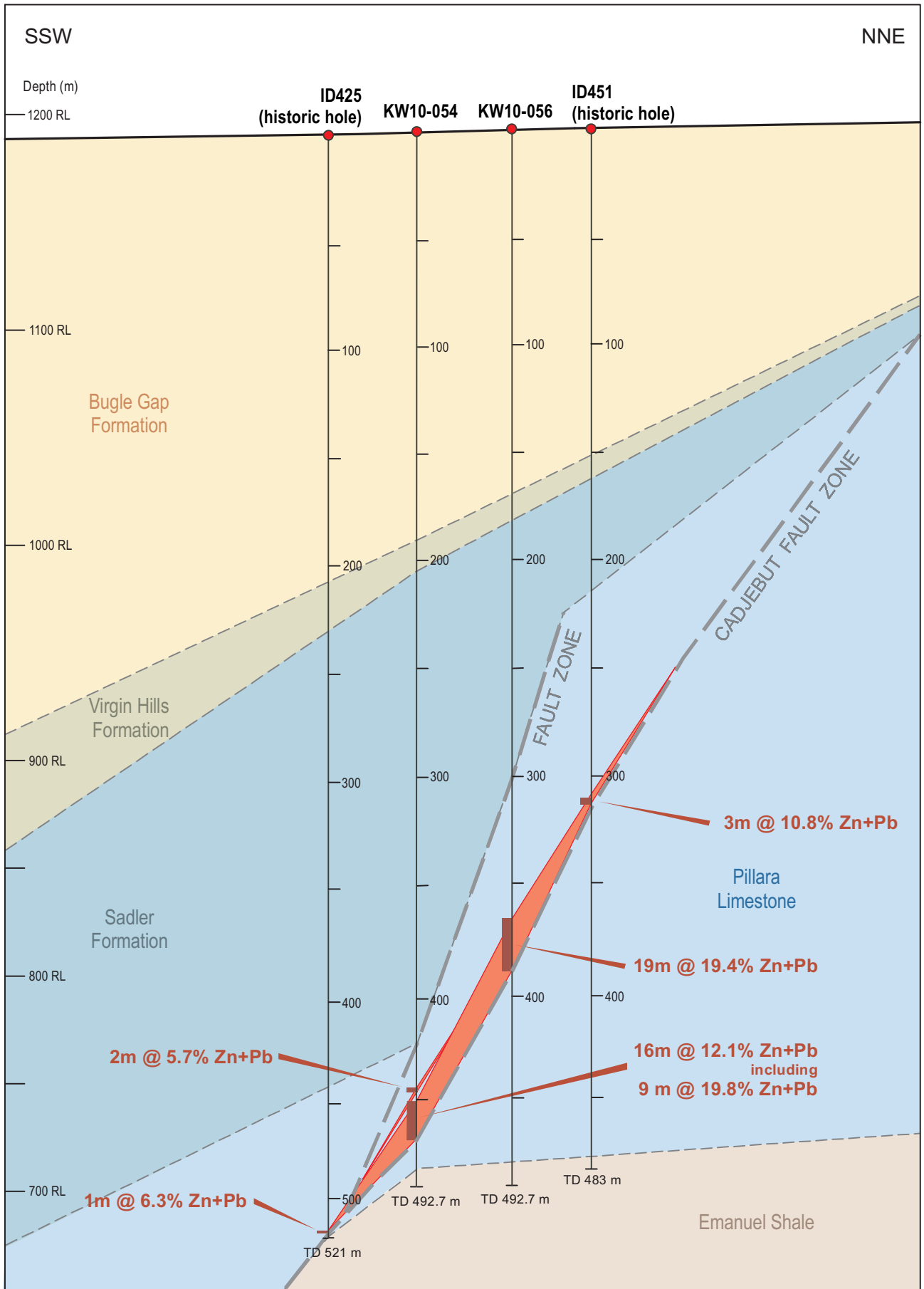
0 100 200 km

Lambert Conformal Conic Projection.
GDA94 Datum.

Mine
 Resource
 Railway
 Principal Road
 Secondary Road

FIGURE 1





	<p>Drill hole showing mineralised intersection</p>	<p>M E R I D I A N</p> <p>MINERALS LIMITED</p> <p>Level 1, 30 Little Cribb Street Tel. +61 7 3225 0400 Milton QLD 4064 Fax +61 7 3225 0499</p>				
<p>KAPOK WEST PROSPECT, LENNARD SHELF ZINC PROJECT, WESTERN AUSTRALIA</p> <p>CROSS-SECTION 13439E</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Prepared: Q. Hills</td> <td style="width: 50%;">Date: June 2010</td> </tr> <tr> <td>Drawn: RRM</td> <td>Drwg:</td> </tr> </table>	Prepared: Q. Hills	Date: June 2010	Drawn: RRM	Drwg:
Prepared: Q. Hills	Date: June 2010					
Drawn: RRM	Drwg:					
		FIGURE 3				