



Mineral Hill A Mining Centre Renaissance

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Presentation



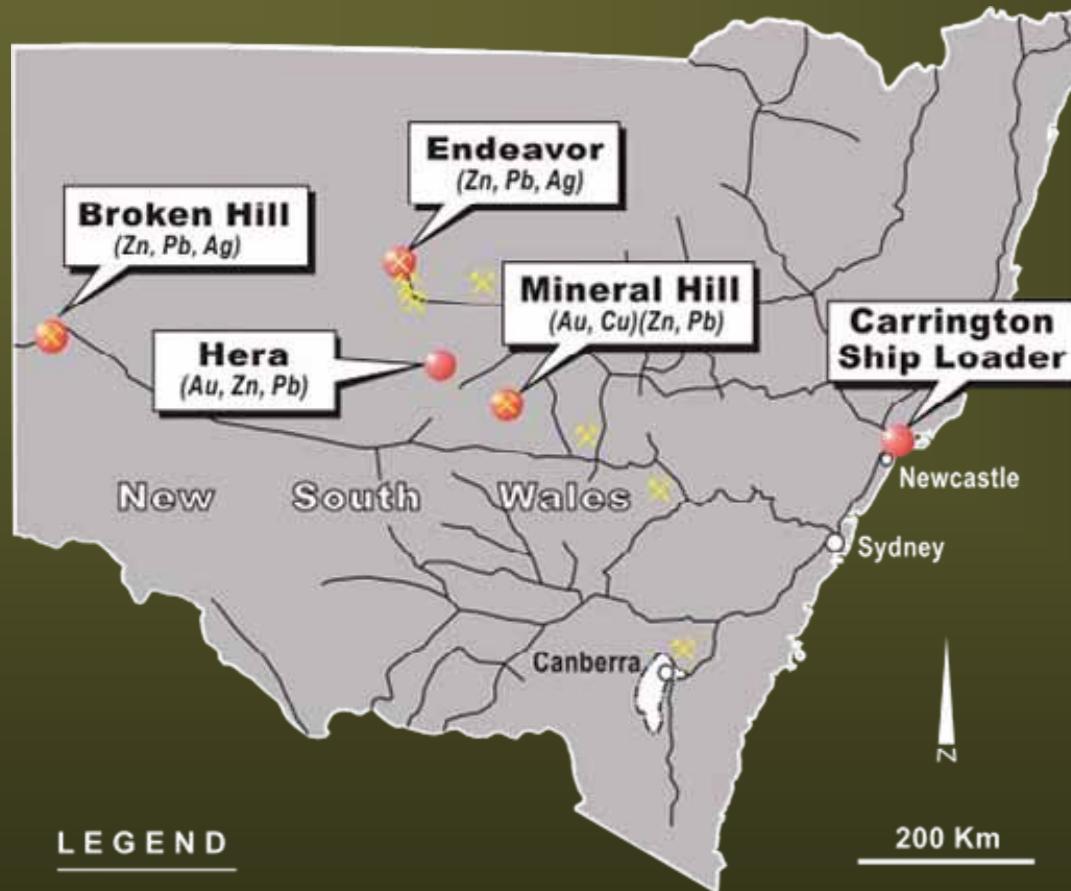
MINERAL HILL

- Geology
- Mineralization
- Opportunity
- Future Development

HERA

- Geology
- Current work
- Future Development

Project Locations - NSW



Endeavor Mine
1.2Mt U/G operation

Broken Hill – Rasp Mine
750,000tpa U/G mine & mill.
Decline commenced

Hera Deposit
200,000tpa U/G mine.
Final feasibility in progress.

Mineral Hill Mine
200->400,000tpa mine.
Recommissioning and
expansion study in progress

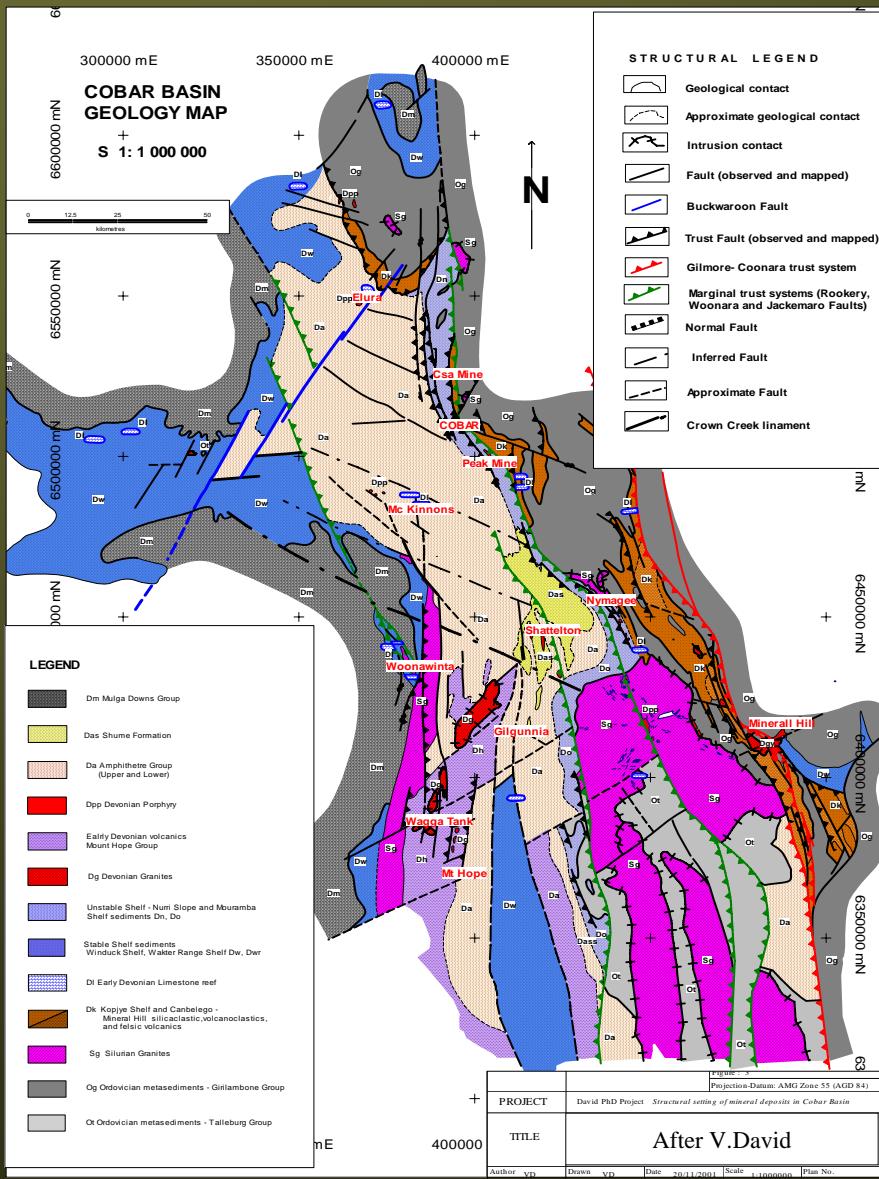


Mineral Hill - History



- Discovered in 1908
- Until 1957
14,300t @ 24oz/t Ag, 19% Pb
- 1989 to 2005
2.1Mt @ 6.5g/t Au, 1.14% Cu
360,280oz Au and 20,350t Cu
- C&M in 2005

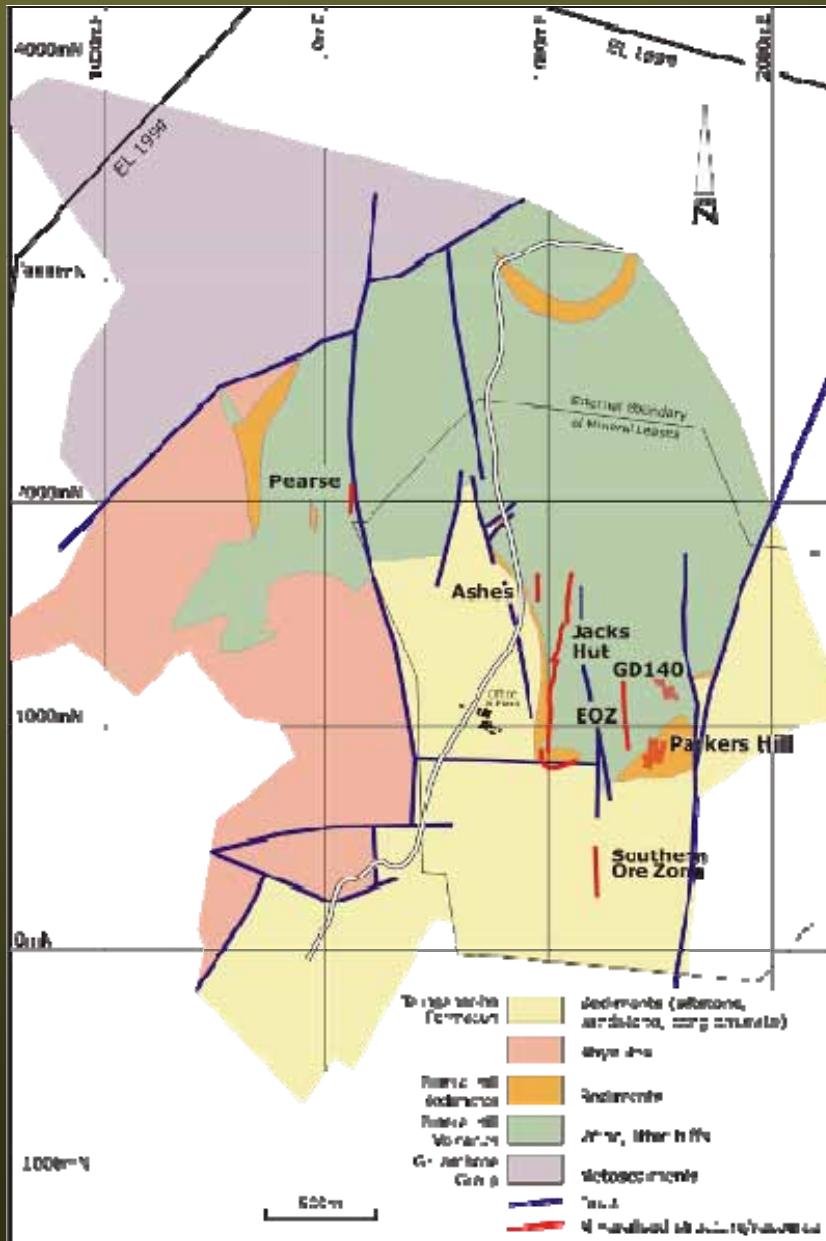
Mineral Hill – Regional Geology



- Within the Canbelego-Mineral Hill rift zone
- Widespread Siluro – Devonian extensional tectonics associated with Cobar Basin formation
- I-Type intrusive activity and associated volcanism



Mineral Hill - Geology

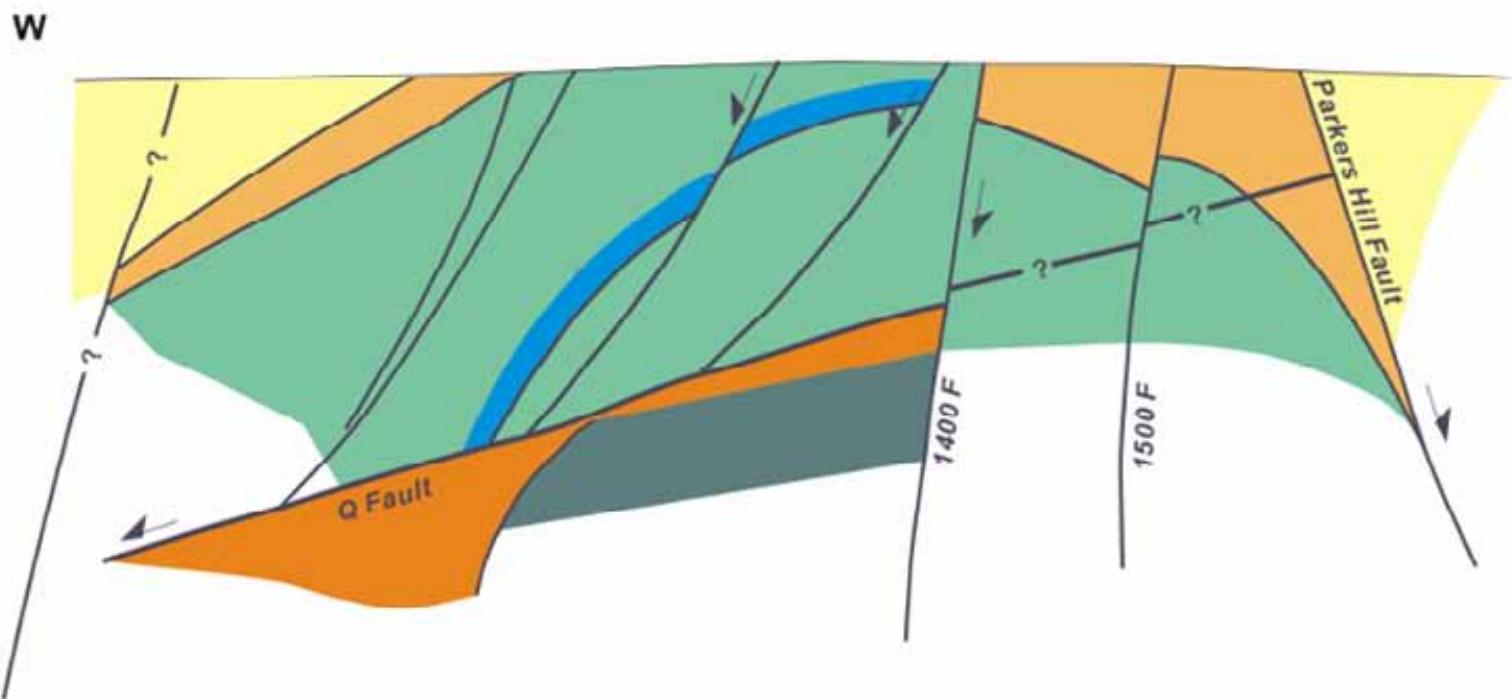


- Mine Area sequence –
 - Talingaboolba sediments
 - Mineral Hill sediments
 - Mineral Hill volcanics
 - Girilambone metasediments
- Folded into shallowly SE plunging anticline
- NW oriented steeply faults offset shallow west dipping faults
- Faults control and partially bound areas of mineralization.



Mineral Hill - Geology

MINERAL HILL SCHEMATIC GEOLOGY



LEGEND

[Yellow Box]	Talingaboolba	[Blue Box]	Coarse Marker Unit
[Orange Box]	Upper Sediments	[Dark Orange Box]	Lower Sediments
[Light Green Box]	Upper Volcanics	[Dark Grey Box]	Lower Volcanics

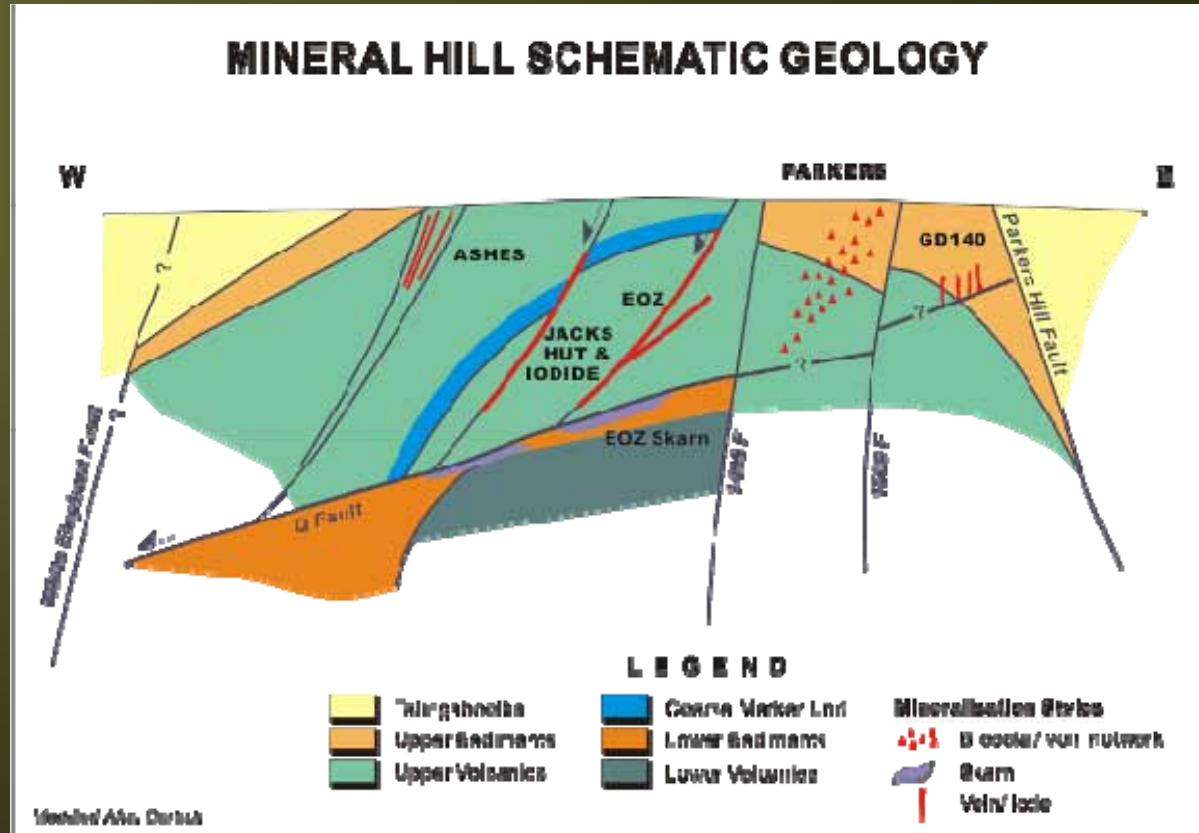
Modified After Corbett

Mineral Hill Mineralization Styles



Four main styles

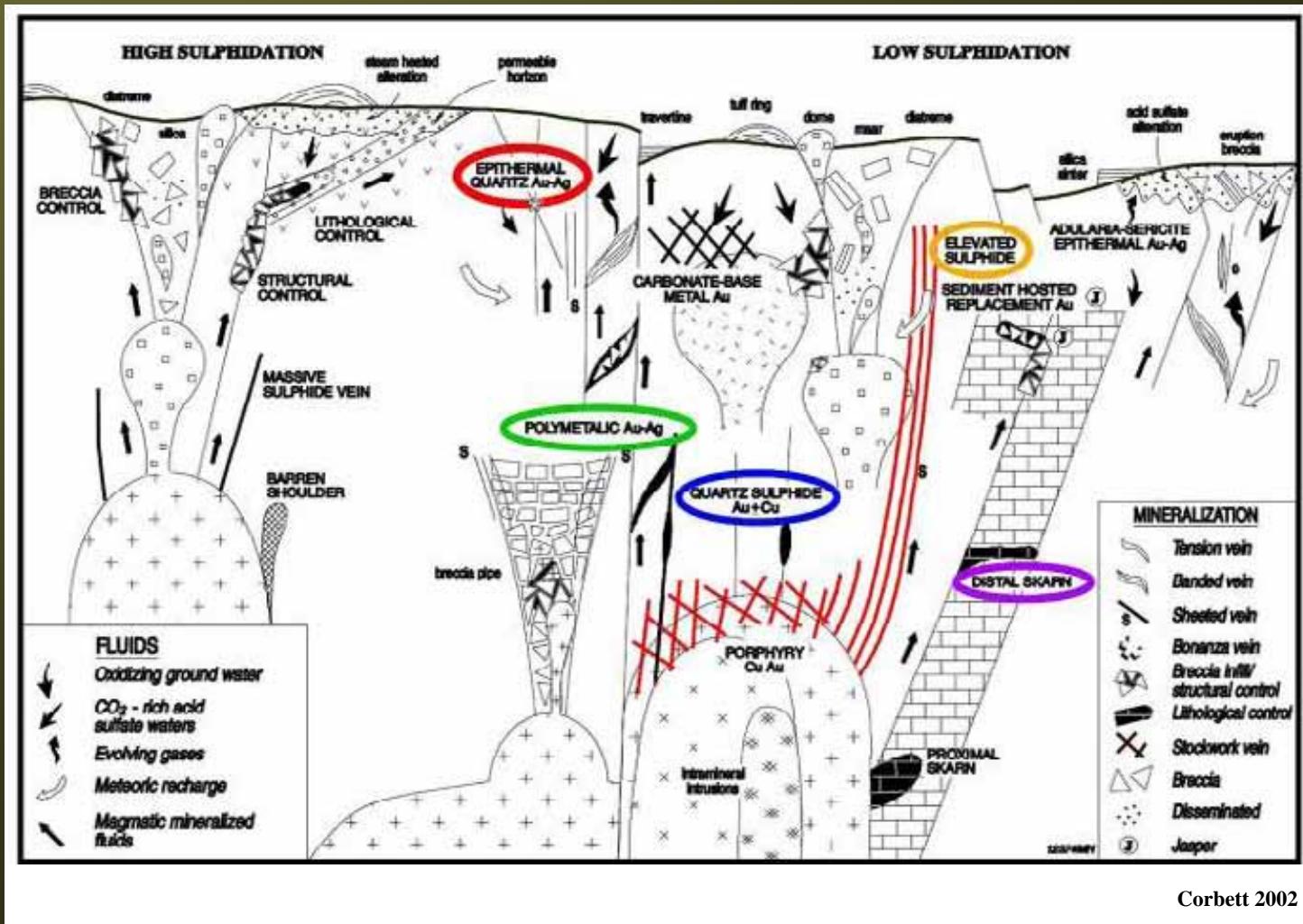
- Vein/Lode
- Breccia/vein network
- Skarn hosted
- Disseminated shear hosted Au-Ag



Mineral Hill Classification



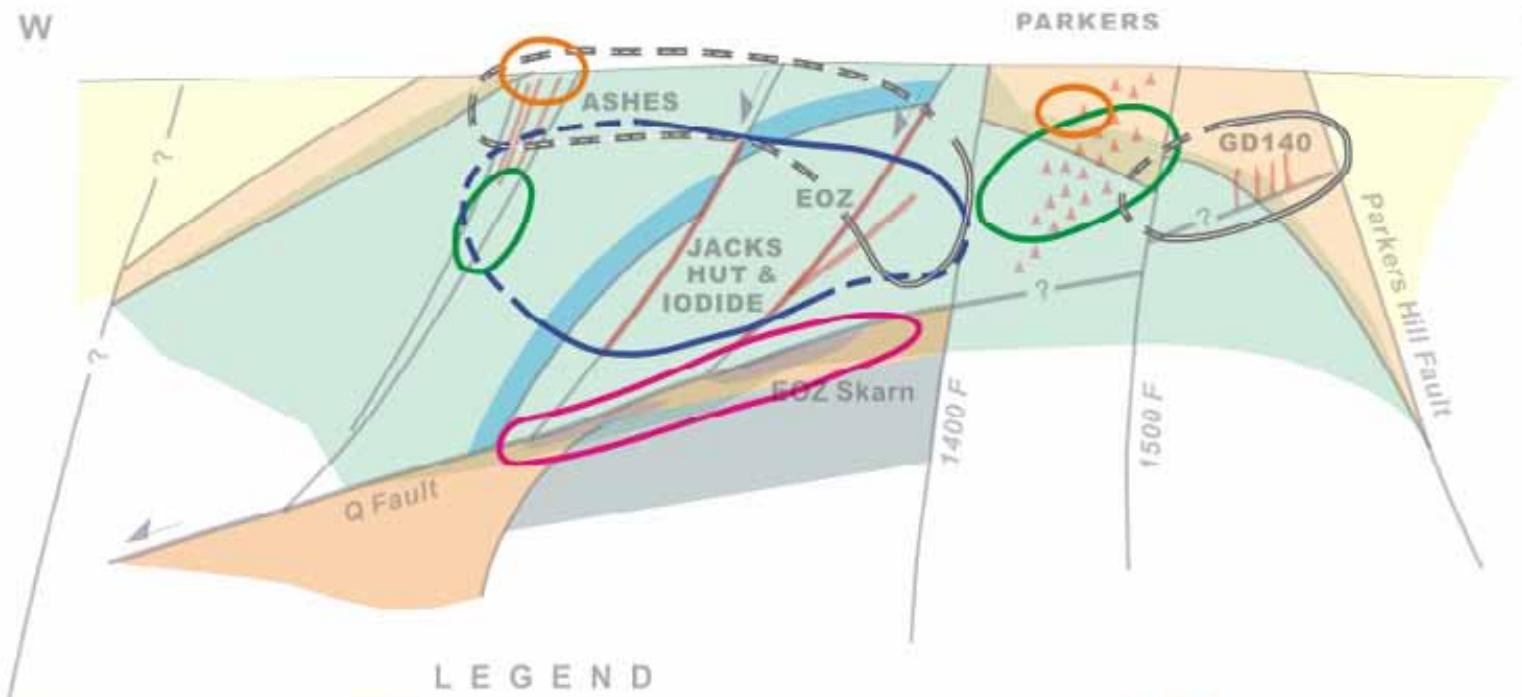
Low sulphidation epithermal (precious and base metal) and deeper Cu-Au intrusive related mineralization



Mineral Hill Classification



MINERAL HILL MINERALIZATION CLASSIFICATION



LEGEND

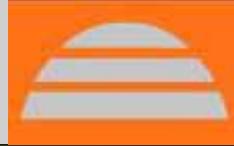
Talingaboolba	Coarse Marker Unit
Upper Sediments	Lower Sediments
Upper Volcanics	Lower Volcanics

Mineralisation Styles
Breccia / vein network
Skarn
Vein/ lode
Polymetallic Cu-Pb_Zn ± Ag

Elevated sulphide
Epithermal Au
Sulphide Cu-Au
Polymetallic Cu-Pb_Zn ± Ag
Skarn Cu-Au (Pb-Zn)

Modified After Corbett

Mineral Hill – Mineralization Characteristics

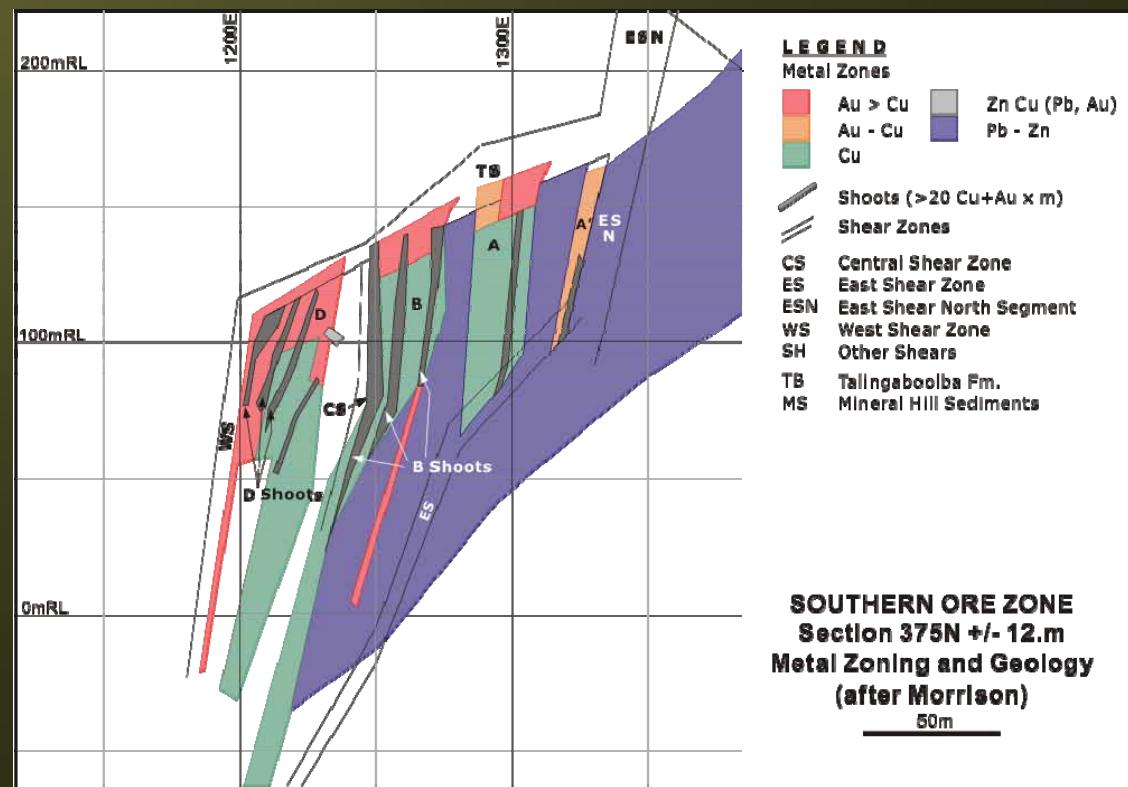
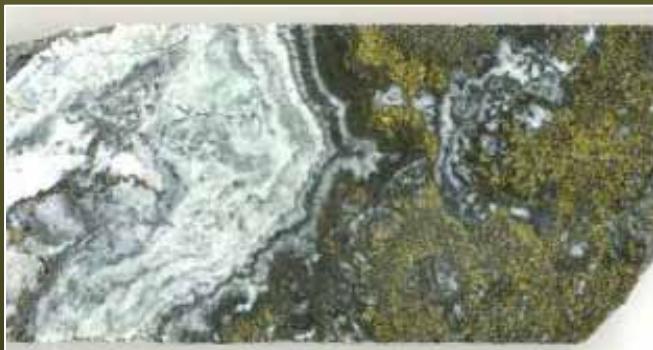


Prospect	Host Rock	Wallrock Alteration	Veining	Style	Mineralisation	Ratios
Parkers Hill (Volcanics)	lapilli tuff	quartz-adularia, quartz-hematite-chlorite, sericite-illite/smectite-Fe carbonate	colloform qtz	Breccia/Vein network	chalcopyrite-low Fe sphalerite-galena-pyrite-tetrahedrite/tennantite-bornite	cpy=sph=gn
Pearse	vitric and lapilli tuffs	Hanging wall - illite-sericite then chalcedony-carbonate (clinochlore-talc), then late kaolin; Footwall albite-Mg chlorite-qtz	qtz-carbonate	Shear	pyrite-aspy-stibnite-gold-electrum (sphalerite-tetrahedrite/tennantite)	
EOZ Skarn	volcanogenic siltstone	chlorite-qtz-magnetite-Fe carbonate (barite), late calcite-hematite	qtz-chlorite	Skarn	pyrite-chalcopyrite-bornite-bismuth-bismuthinite-gold (low Fe sphalerite), late chalcocite	cpy>>sph
Jacks Hut Skarn	calc-siltstone, limestone	prehnite-chlorite-grandite-qtz-graphite-Ca mica-Fe epidote, late calcite	qtz-sulphide, late calcite	Skarn	low Fe sphalerite-galena	
Access Breccia	vitric tuff	quartz-chlorite-illite/sericite	qtz-chlorite-adularia	Vein/Lode	gold-pyrite (low Fe sphalerite)	py>>cpy>sph
Ashes	lapilli tuff	quartz-chlorite-illite/smectite	qtz-chlorite	Vein/Lode	pyrite-chalcopyrite-galena-sphalerite-bismuth-gold	cpy>gn>sph
EOZ	lapilli / vitric tuffs	quartz-chlorite-illite/smectite	qtz-chlorite	Vein/Lode	chalcopyrite-pyrite-low Fe sphalerite-galena-bismuth-bismuthinite-gold-electrum	cpy>>sph>gn
GD140	lapilli tuff	quartz-chlorite (adularia)	qtz (hematite)	Vein/Lode	gold (pyrite-chalcopyrite-bismuth, bismuthinite-galena-sphalerite)	py>>cpy>sph
Jacks Hut	lapilli tuff	quartz-Fe chlorite (siderite)	qtz-chlorite	Vein/Lode	pyrite-chalcopyrite-bismuth-bismuthinite-gold (Fe sphalerite-galena)	cpy>>sph>gn
SOZ (northeast)	lapilli tuff	quartz-chlorite-illite-sericite	colloform qtz	Vein/Lode	pyrite-chalcopyrite-galena-sphalerite-bismuth-gold	cpy>>sph=gn
SOZ (southeast)	lapilli tuff	sericite-illite-quartz-chlorite	colloform qtz	Vein/Lode	chalcopyrite-low Fe sphalerite-galena-pyrite-tetrahedrite/tennantite	cpy=sph=gn
West Iodide	lapilli tuff	quartz-chlorite-illite/sericite-carbonate	quartz	Vein/Lode	zoned sphalerite-galena-chalcopyrite-bornite-pyrite-tetrahedrite/tennantite (native silver)	sph>gn>cpy

Mineral Hill - Zonation



- Au-Cu to Pb-Zn-Ag+- As and Sb and decreasing Bi.
- Chalcopyrite-pyrite joined by galena, sphalerite, bornite, and tetrahedrite-tennantite.
- Temperature decrease and possible wall rock interaction.



Mineral Hill - Reactivation

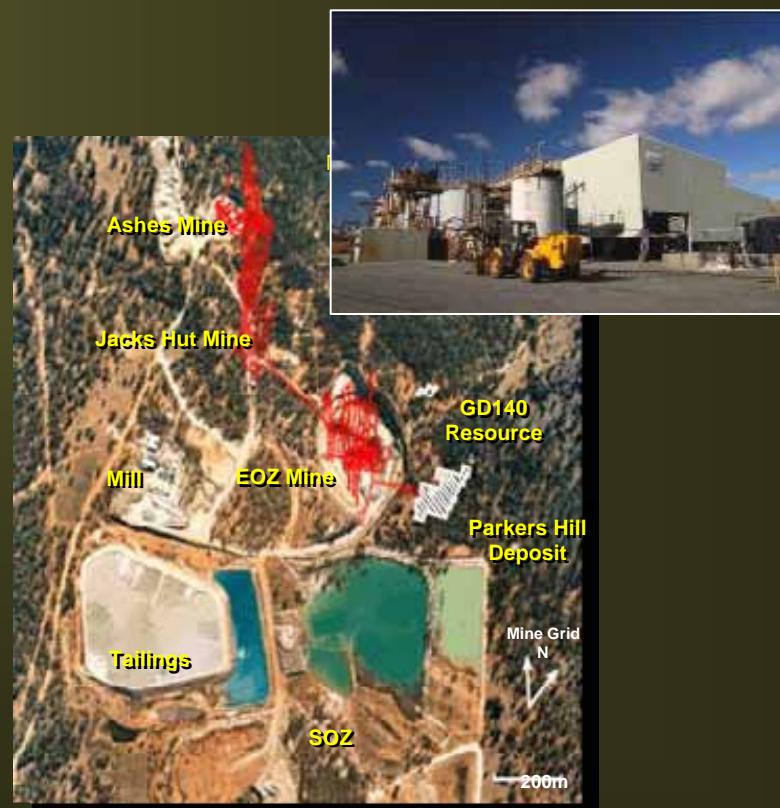


STATUS

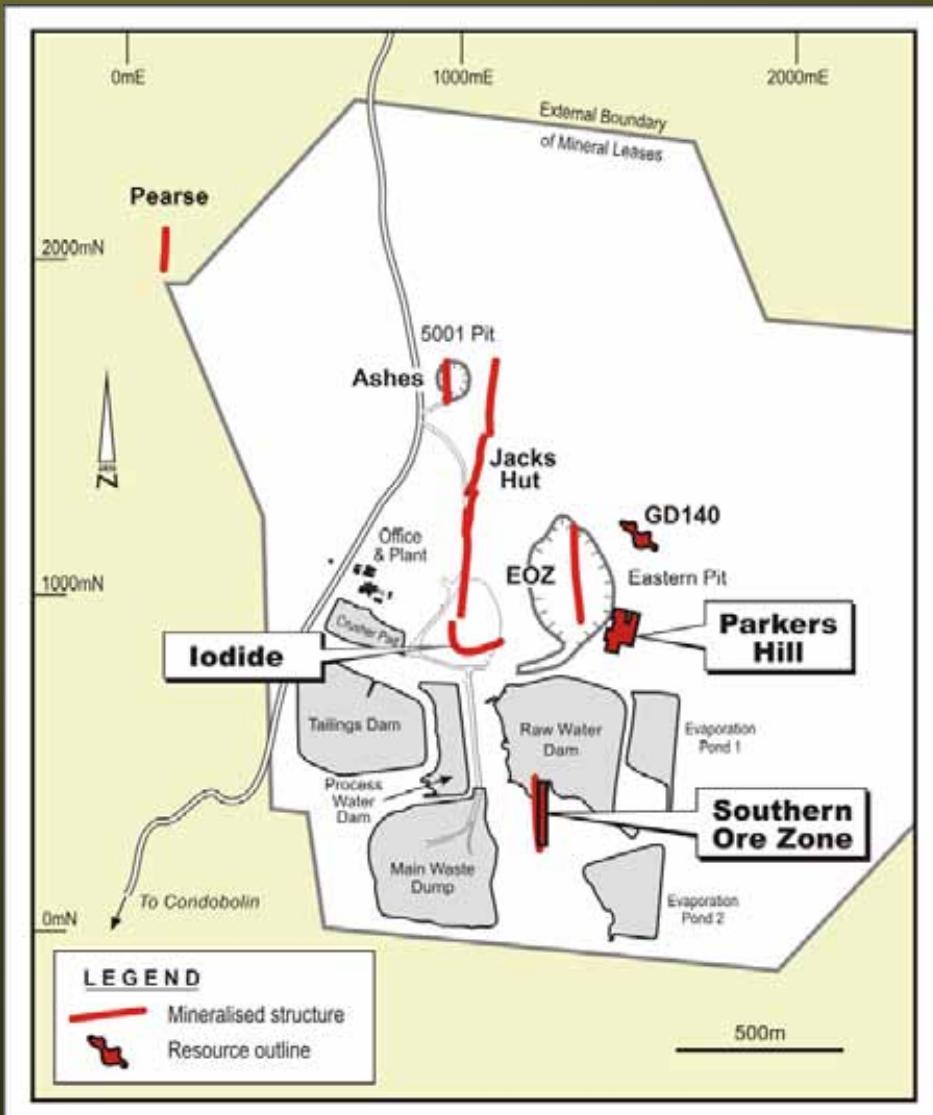
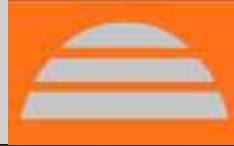
- Previous focus - Cu-Au
- Closure - persistent low metal prices
- Remaining Cu-Au resources and strong residual potential
- Very little exploration into Pb-Zn-Ag
- Likelihood for mineable blocks

OPERATION

- Plant in very good condition – Cu-Au configuration
- Approvals in place for 200,000tpa underground operation
- Modest capital required for restart



Mineral Hill Mine- Reactivation



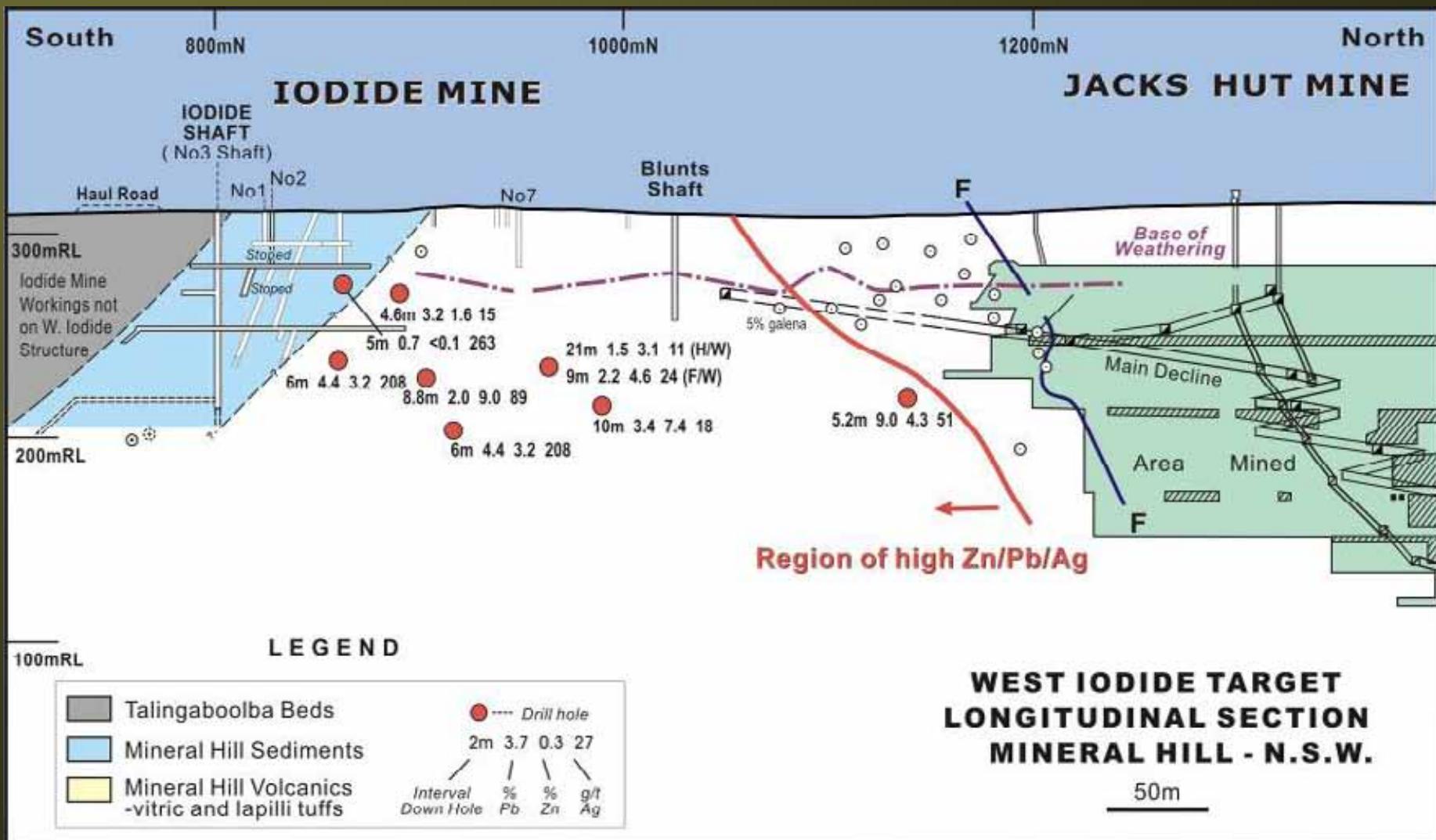
STRATEGY

Restart operation, modifying plant to handle Pb-Zn + Cu-Au

- Phase one at 200,000tpa
- Expand to +400,000tpa

SHORT TERM PROSPECTS

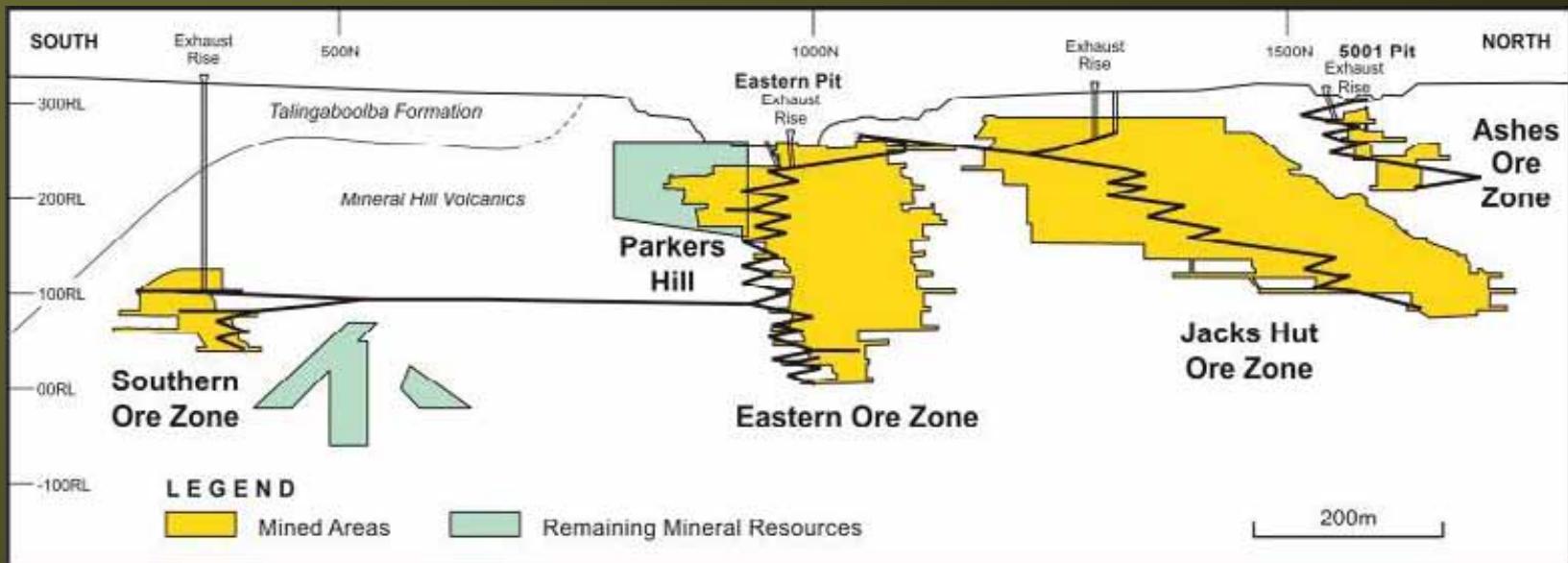
Mineral Hill Mine – West Iodide Prospect



Mineral Hill - SOZ



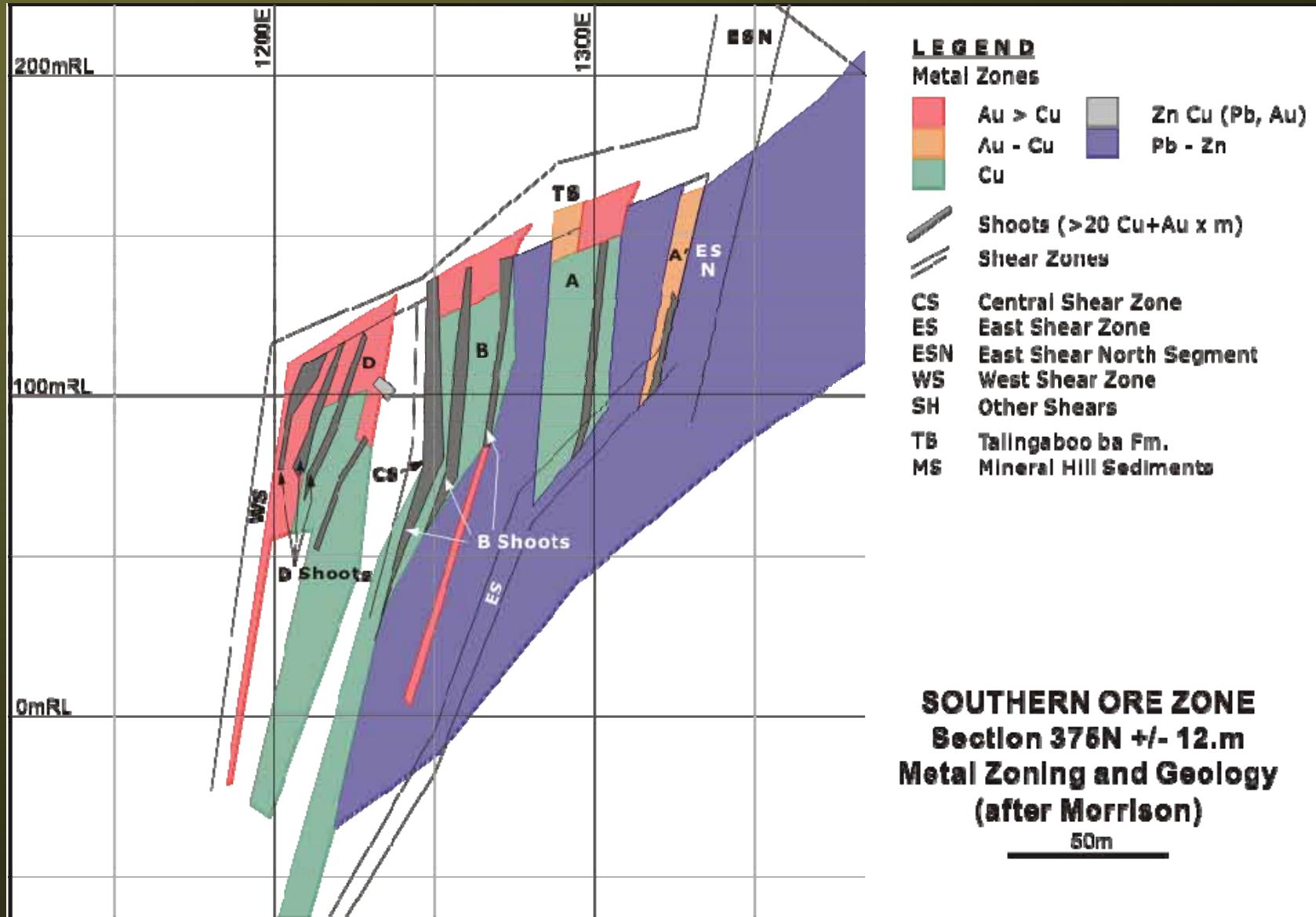
Long Section Looking W



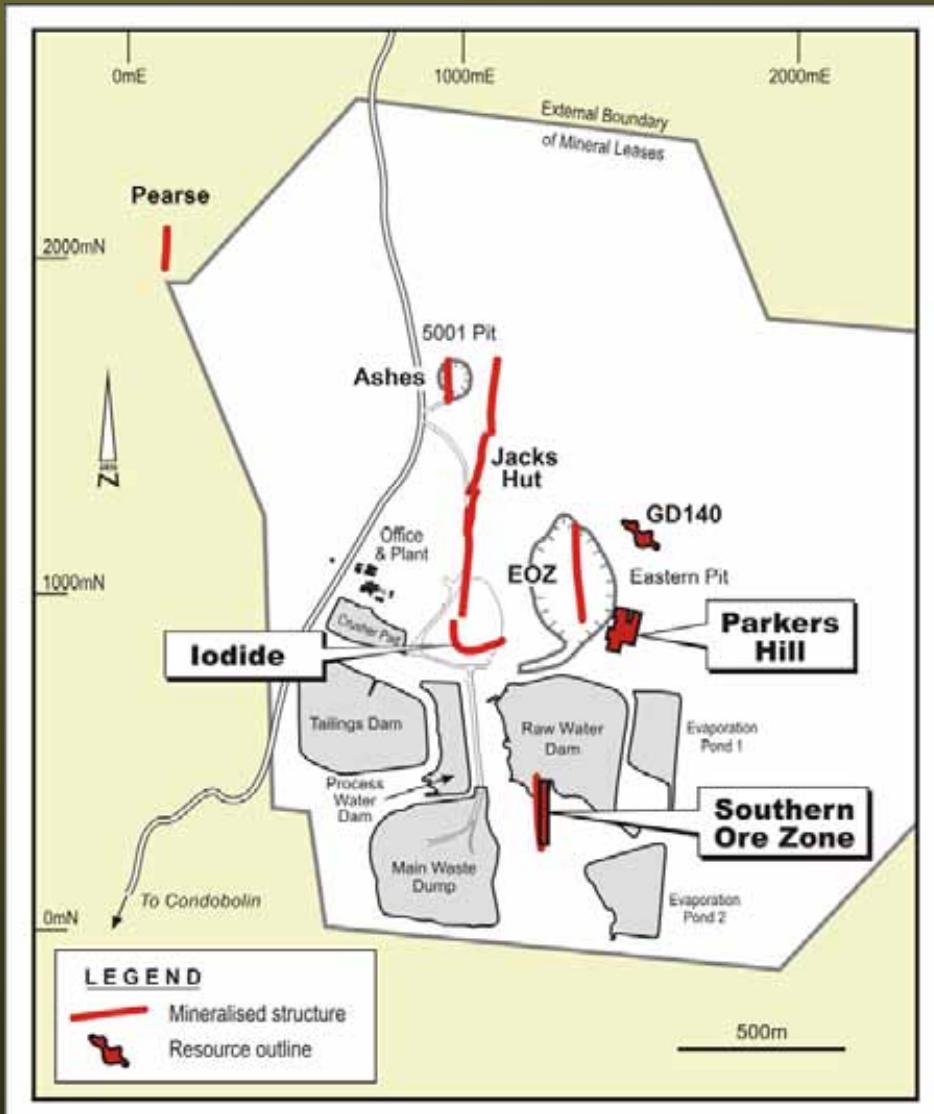
2005 PUBLISHED RESOURCE

	Tonnes	Au gpt	Cu %
Southern Ore Zone	182,600	7.4	1.3
Parkers Hill	146,000	0.7	5.4
GD140	49,000	5.2	0.1
TOTAL	377,600	4.5	2.7

Mineral Hill – SOZ



Mineral Hill Mine- Parkers Hill Deposit



- Key ore source
- Partially developed from U/G
- Bulk mining U/G or open cut
- Double mill output?
- Oxide?

Mineral Hill Mine- Parkers Hill Deposit

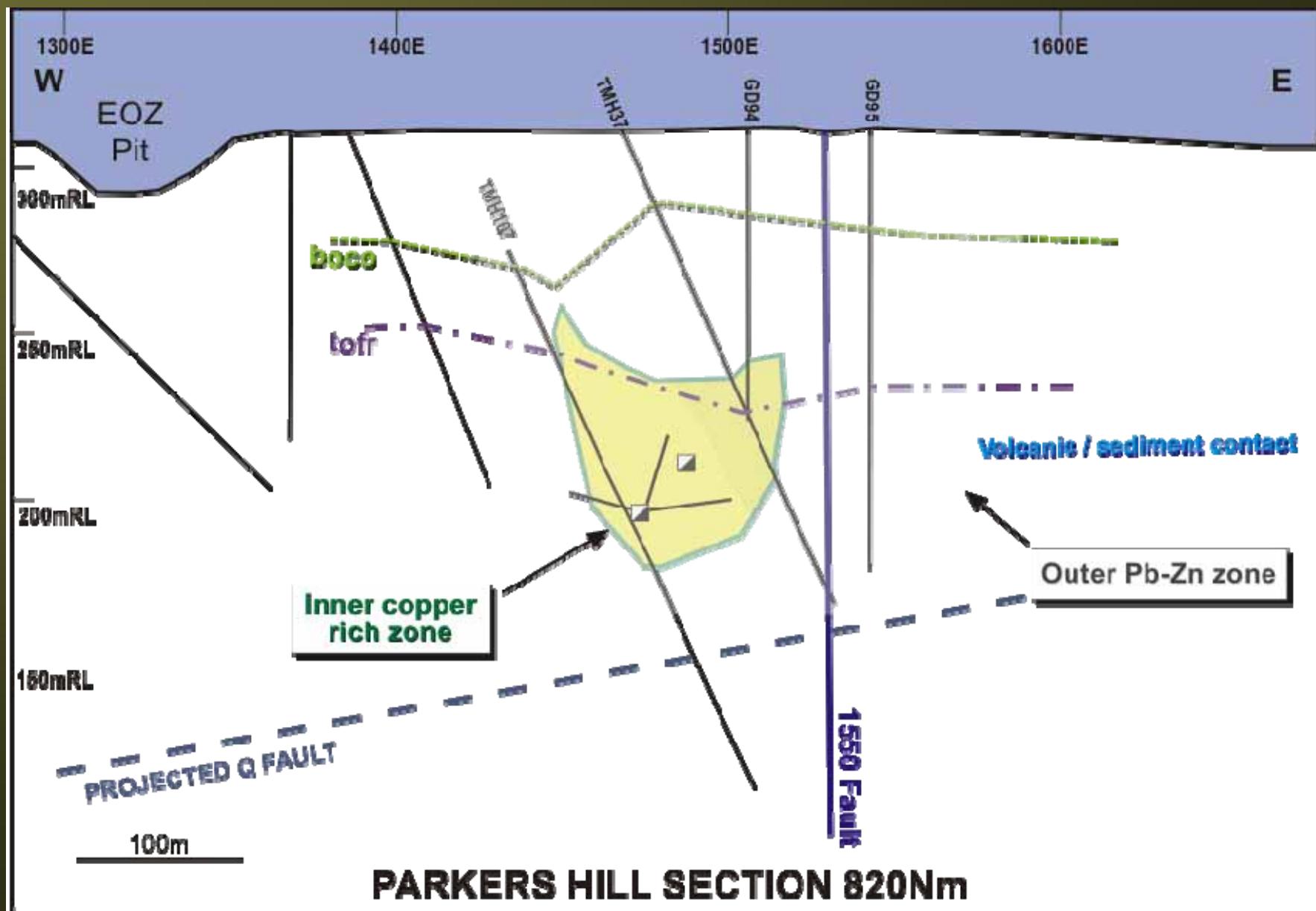


- Zoned breccia / vein network
- Moderate west dip
- Strongly structurally disrupted
- Highly variable vein orientations
- Substantially larger than any other deposit in field?
- Core zone of Cu (Au) (+_ Pb-Zn)
- Modeled carapace of Pb-Zn-Ag (+-Cu)
- Outcropping - oxide Pb values up to 15%

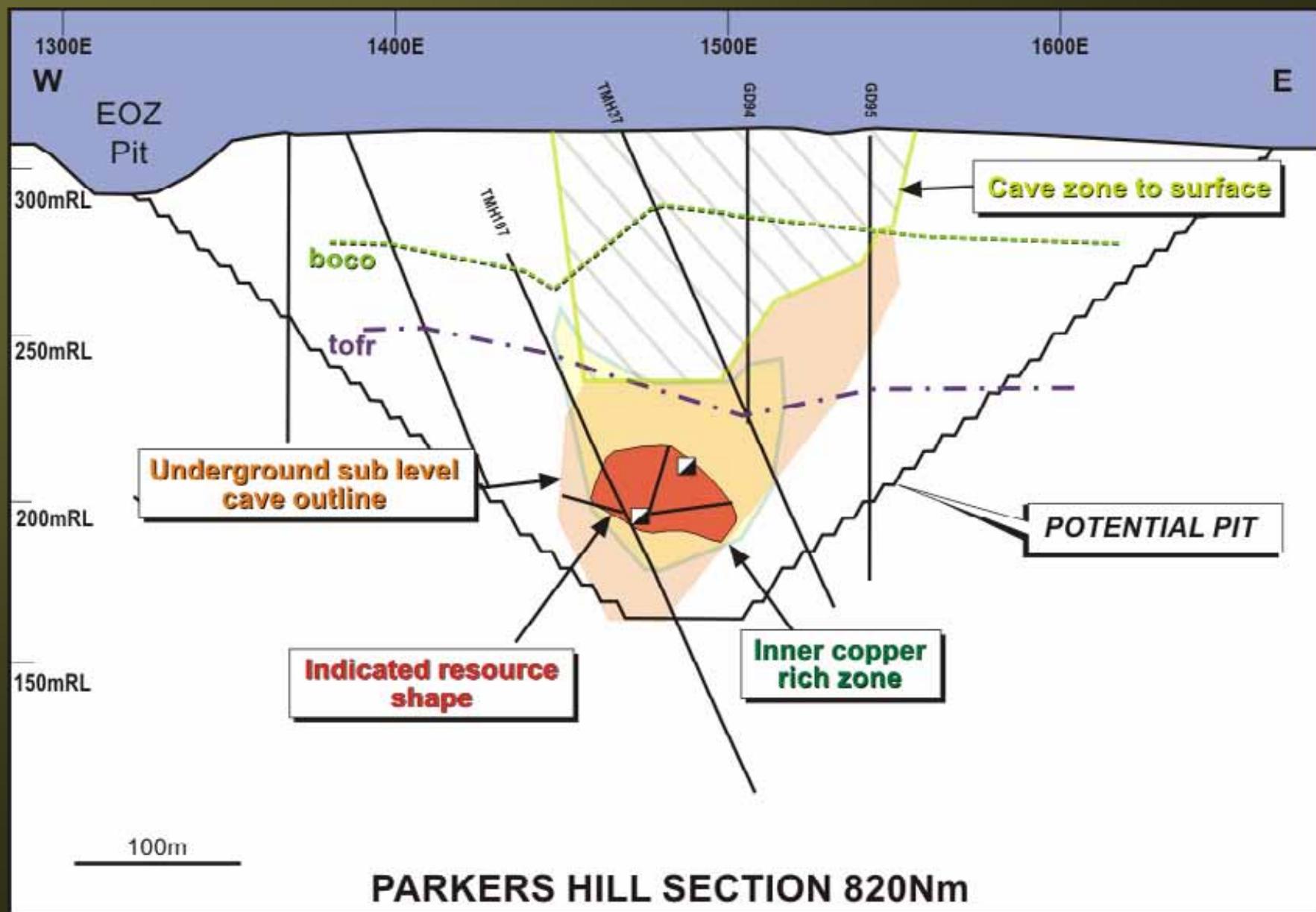


	Au (g/t)	Cu (%)	Pb (%)	Zn (%)	Ag (g/t)	Bi (ppm)	As (ppm)	Sb (ppm)
Parkers Hill (seds)	0.03	3.69	2.26	1.45	133	7	1028	5760
Parkers Hill (volcs)	0.45	2.80	1.12	1.58	16	82	64	44

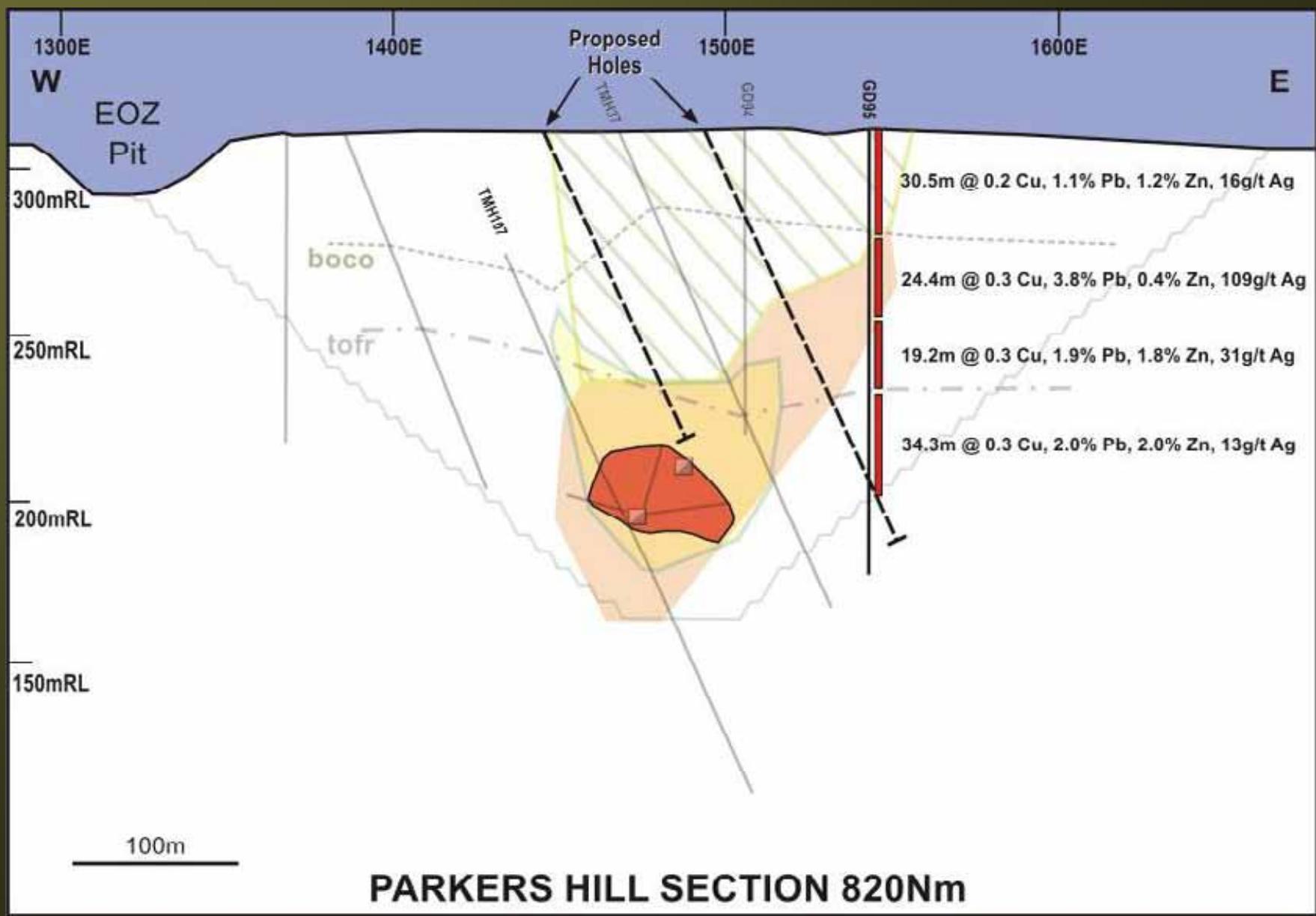
Mineral Hill Mine- Parkers Hill Deposit



Mineral Hill Mine- Parkers Hill Deposit



Mineral Hill Mine - Parkers Hill Deposit



Mineral Hill Mine - Plan Forward



Short Term – 200,000 t/a

- Drill West Iodide and SOZ
- Mill refurbishment (reconfigure to Pb-Zn-Ag)
- Recomence production – 12 months

Parkers Hill – 4 to 500,000 t/a

- Resource / metallurgical drilling - 6,000m initially
- Metallurgical studies
- Mine optimization work
- Mill expansion – 2 years





Hera Deposit



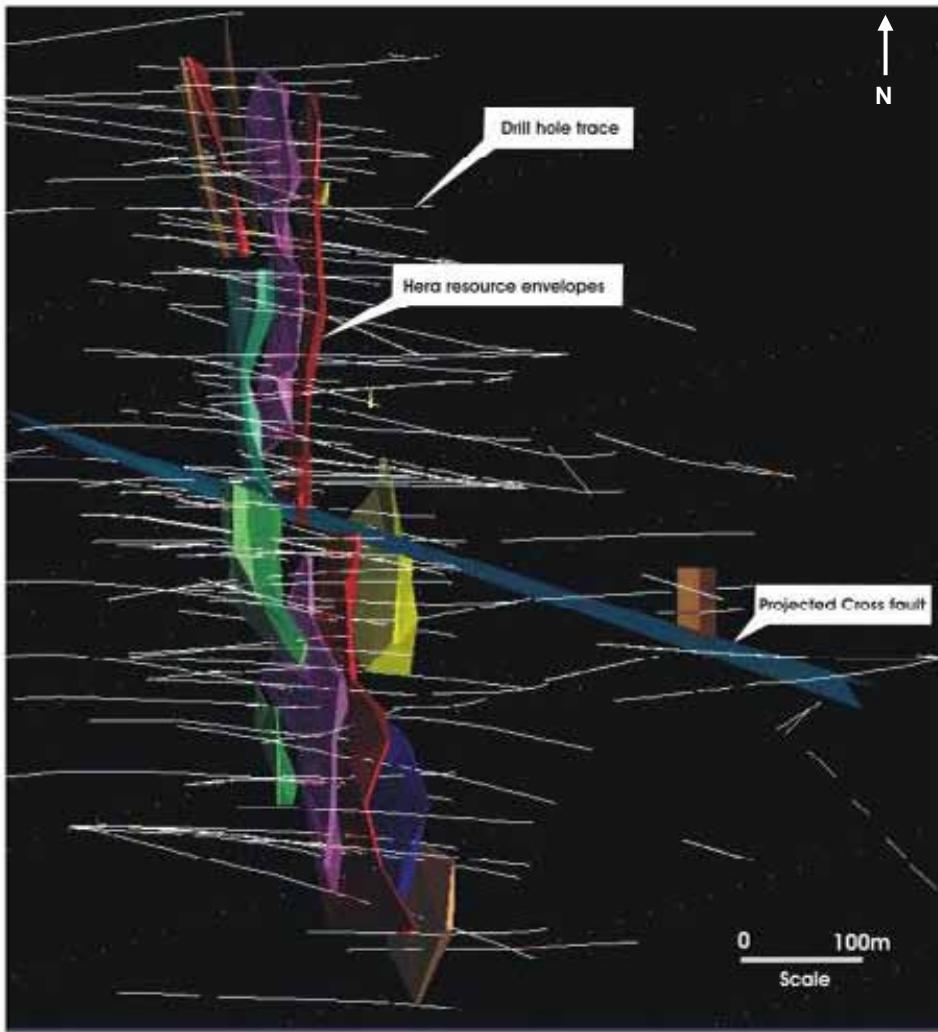
- 100km SSE of Cobar
- SE corner of Cobar Basin
- Typical Cobar style deposit
 - but high Au + Pb-Zn

**POTENTIAL ADJUNCT FOR
MINERAL HILL OPERATION**



Hera Deposit

Plan View of Hera / Kershaws Mineralised Zones



- Discovered in 2000
- Blind deposit
- 83 holes drilled to date
- Main Lens 50% of resource
- 2007 Resource :
**2.2Mt @ 3.4g/t Au, 4.2% Zn,
3.1 Pb%, 0.2% Cu, 18g/t Ag**

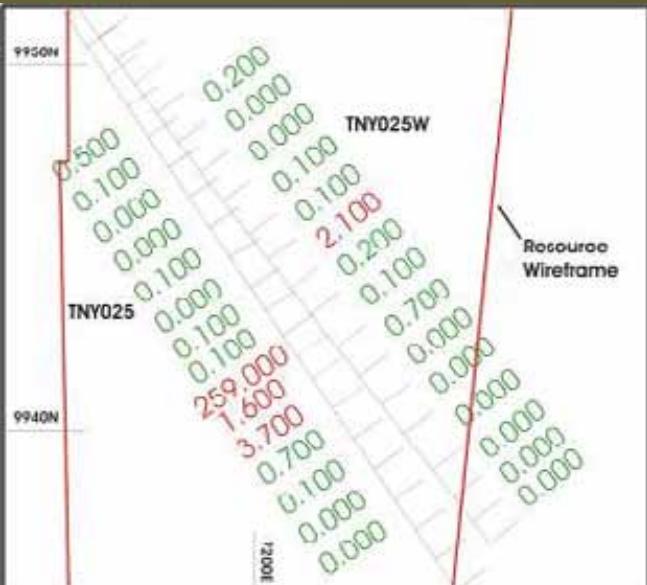


Hera Deposit

- Thin and steeply dipping Pb-Zn-Au (+-Cu)
- Steeply south? plunging high grade shoots
- Deposition paragenesis – base metals followed by Au
- High gold grades associated with coarse free visible gold particles. Very high CV – high nugget effect.
- Base metal zones are less variable and erratic

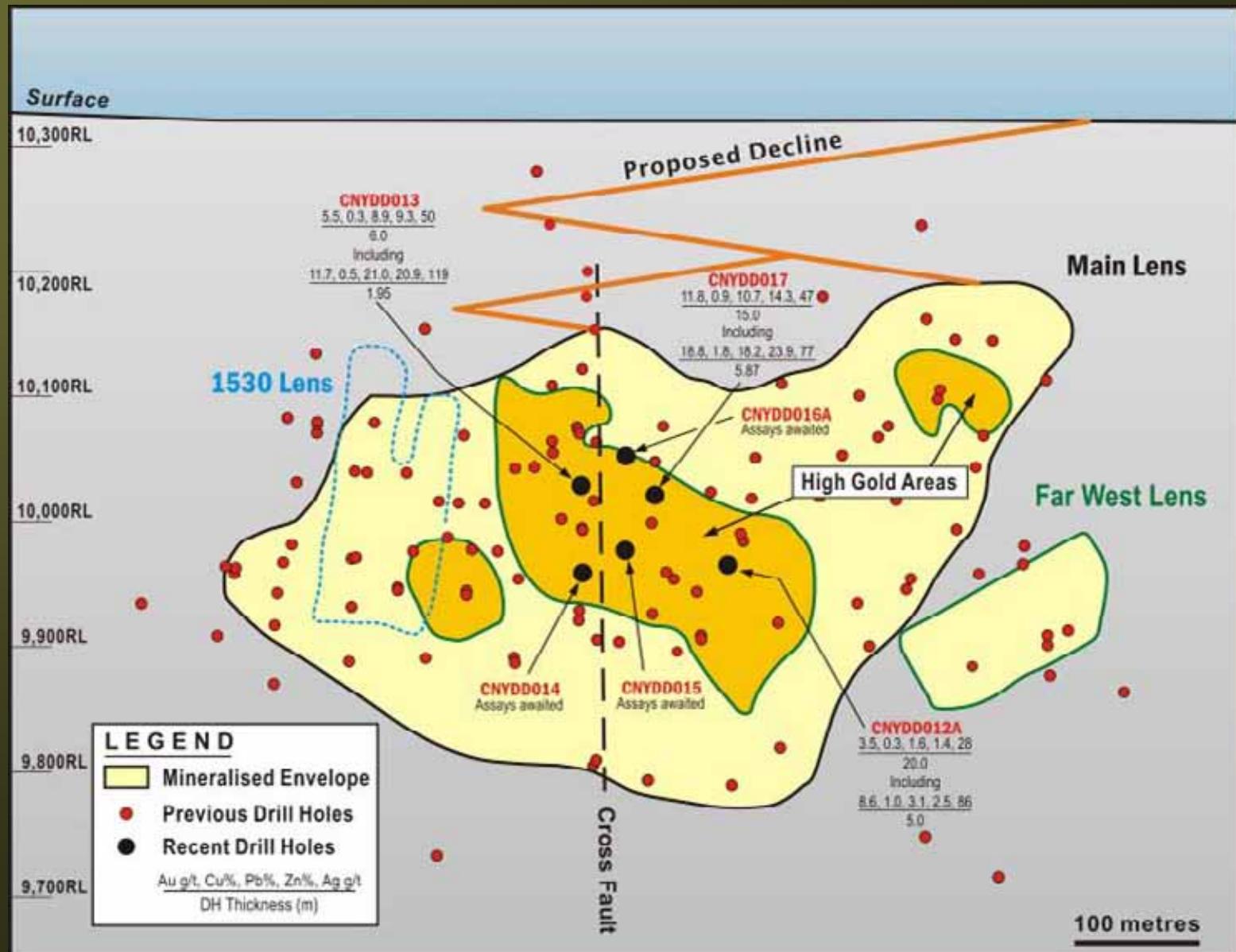


Hera Deposit



Lens	Coefficient of Variation					
	Au g/t	Ag g/t	Cu%	Pb%	Zn%	SG
HMNN	5.99	1.85	2.92	1.90	1.69	0.10
HMNS	4.20	2.42	4.03	2.71	2.47	0.10
HHAYN	4.40	2.29	3.05	2.16	1.93	0.14
HHAYS	5.64	1.90	2.21	2.06	1.94	0.07
HWER	3.20	1.71	3.36	1.71	1.59	0.03
HWPZA	3.93	1.84	1.69	1.89	1.77	0.07
HWPZB	2.14	1.00	1.90	1.06	1.66	0.02
HMSE	2.61	2.97	2.66	3.06	1.22	0.06
HESTS	6.68	2.00	2.40	1.62	1.86	0.02
HESTN	2.56	1.85	3.13	1.91	1.77	0.07
H1530	4.30	1.82	2.19	1.86	2.48	0.04
HFWB	2.82	1.59	3.35	2.00	2.07	0.10
HFWA	1.81	1.92	2.23	2.09	2.11	0.02
HFWC	2.61	2.11	1.35	1.34	1.33	0.05

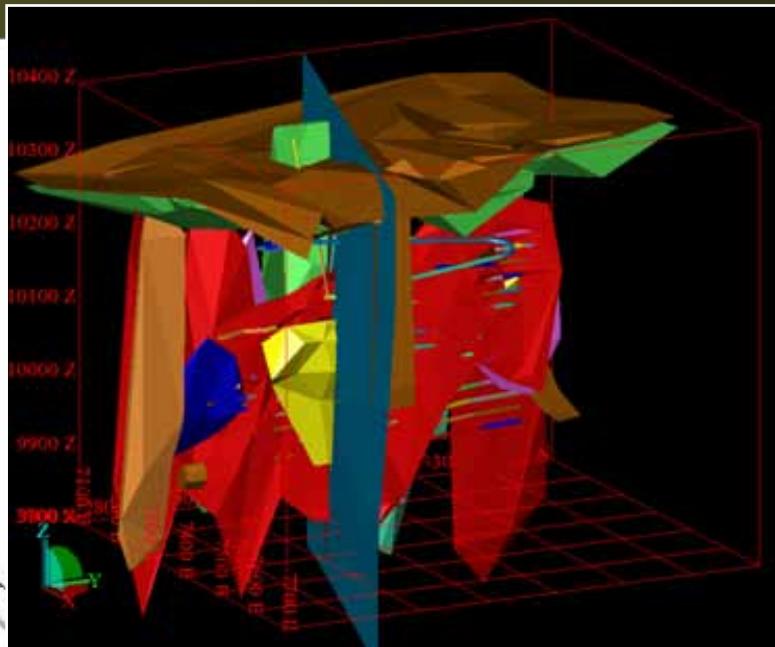
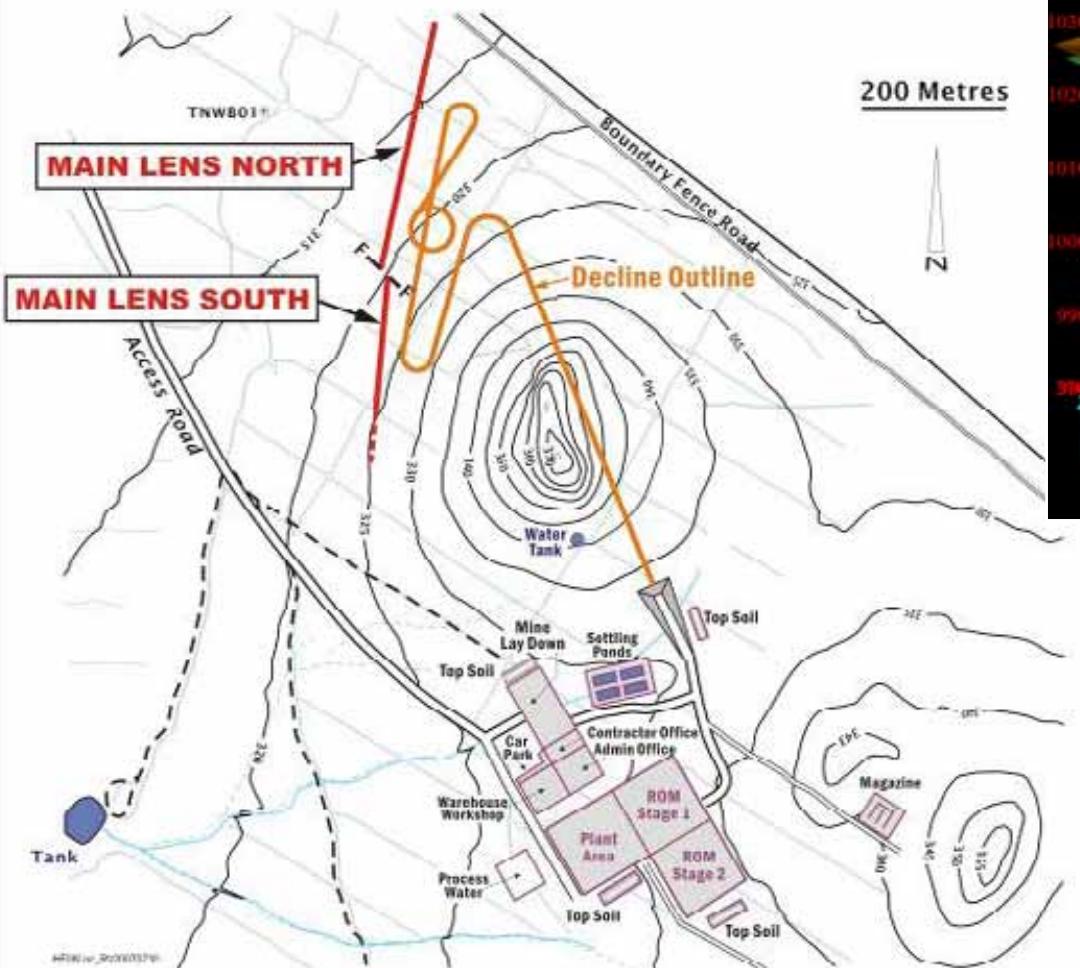
Hera Deposit



Hera Deposit



HERA PROJECT - Site Conceptual Layout





STATUS

- Exploration decline approvals in place
- Infill drilling of central Main Lode – completed
- Resource estimates and geotechnical review
- Decline tenders received

PLAN

- Contract award late 07
- Development start Feb, 2008
- Seek mine approvals shortly thereafter

+5 year mine life at 200,000tpa

TOTAL ESTIMATED CAPITAL - \$21M



Summary

- Mineral Hill - A zoned, polymetallic, low sulphidation system
- Strong Pb-Zn-Ag (and Au-Cu) potential evident
- Reactivation - initial 200,000tpa focused on Pb-Zn-Ag
- Possibility for significantly expanded production
- New mine development at Hera to establish 200,000 tpa source
- Targeting combined production from area of 50,000t Zn equiv.