



Magellan – the Current Position

ILZSG – 54th Session
7 October 2009

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An international base metals mining, exploration and development company

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- Ivernia is sole owner and operator of the Magellan lead mine:
 - Located in Western Australia.
 - Only significant pure lead mine in the world: ~2% of world mine supply.
 - One of the world's top 10 lead mines when at full production.
 - Significant by scale and purity.
- Open cut lead carbonate mine and processing (concentrate) facility.
- Located 30 km west of Wiluna in WA Goldfields mid-West region.



- Exploration – feasibility - financing - construction – operation in 5 years: 2002 to 2006.
- Fly in - fly out: 170 person camp.
- Export to overseas customers.
- 50% off-take sales agreement with Yunnan Metallurgical Group.
- Good product acceptance.
- At full production ~85,000 tonnes of lead in concentrate per year.

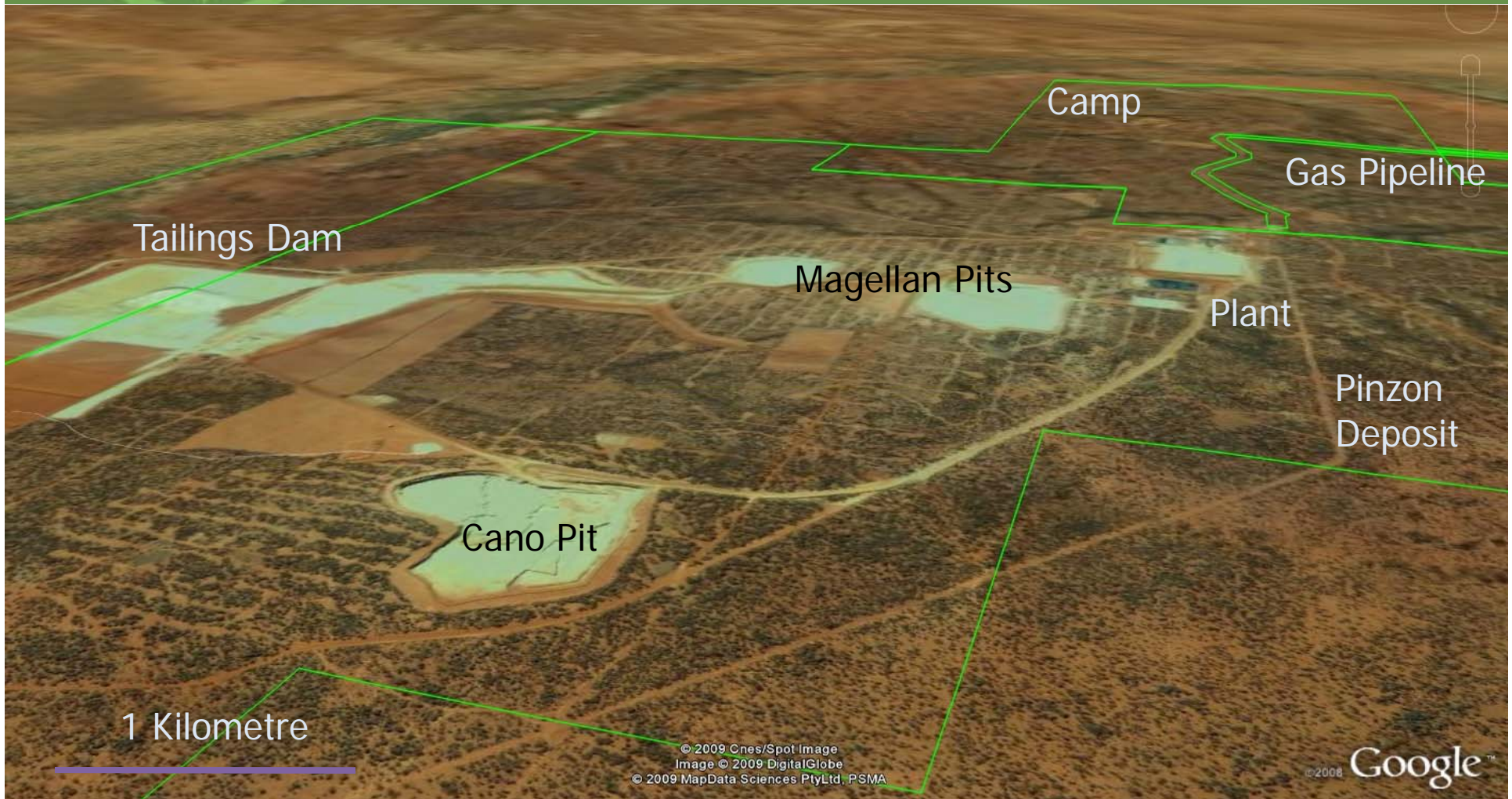


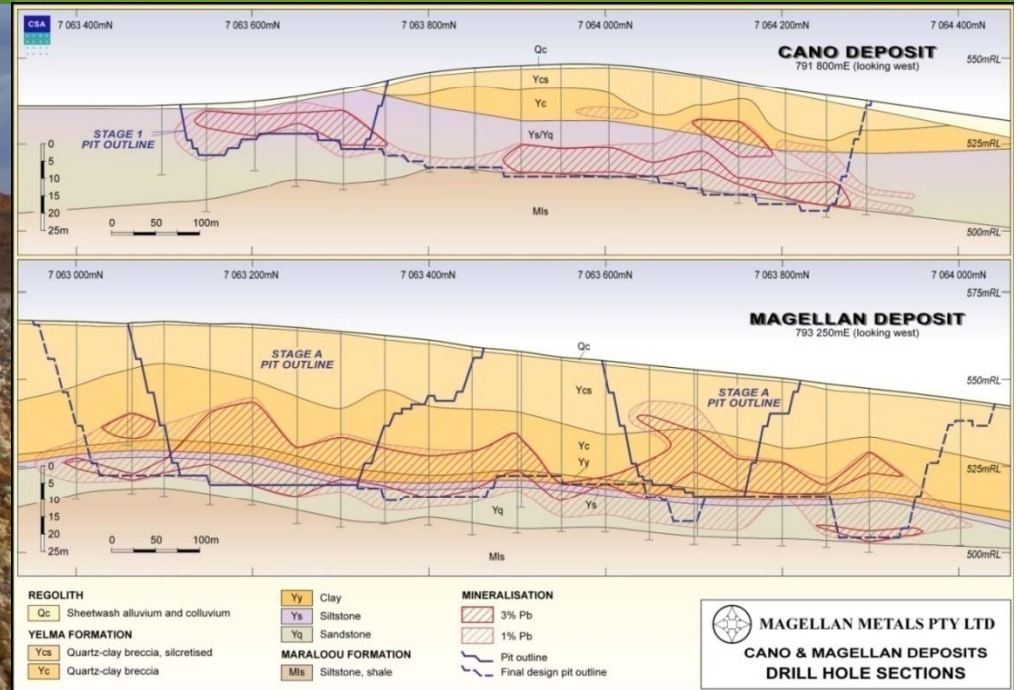


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Magellan Metals

Magellan Hill Looking East





- Secondary horizontal layers
- Low cost mining (partly free dig)
- Strip ratio - 3:1 overall
- Large open pit floors

- Predominantly Cerrusite ($PbCO_3$)
- Minor Anglesite ($PbSO_4$)
- ROM pad full (1-2 months mill feed)
- Ore blocks marked up

- Mining: 1.9 million tonnes per annum
- Mine life: 6.5 years
- Reserves: US\$1,500 per tonne lead
- Exchange rate: US\$0.65:A\$

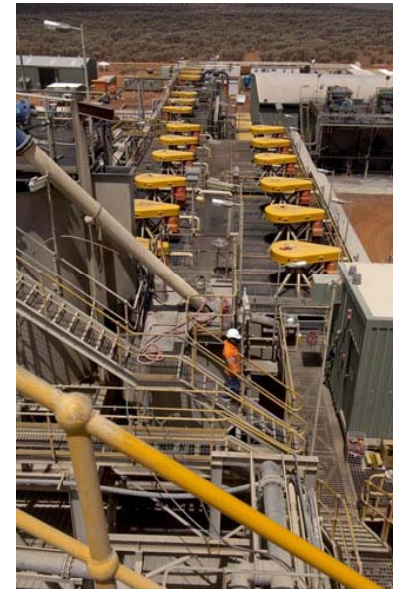
2.5 % Pb cut-off		Tonnes Mt	Lead %
Magellan	Proven	5.0	6.6
	Probable	2.3	5.7
	Total	7.3	6.3
Cano	Proven	1.6	5.8
	Probable	0.04	5.4
	Total	1.7	5.8
Pinzon	Proven		
	Probable	2.1	5.6
	Total	2.1	5.6
Stockpiles	Proven	0.7	3.8
Total Reserves	Proven	7.3	6.1
	Probable	4.5	5.7
	Total	11.7	5.9

Pit	Pb Cut Off %	Ore Volume Mbcm	Ore Tonnes Mt	Pb Grade %	Waste Volume Mbcm	Total Volume Mbcm	Strip Ratio
Magellan	2.5	3.6	7.3	6.3	12.4	16.0	3.4
Cano	2.5	0.8	1.7	5.8	1.0	1.9	1.2
Pinzon	2.5	1.1	2.1	5.6	3.8	4.8	3.5
Total	2.5	5.5	11.1	6.1	17.1	22.7	3.1

- Significant inferred resources
- Current reserve modeling would mine
 - Pizarro
 - Drake
 - Parts of Pinzon
- Drilling program planned
- Mining lease application
 - Pizarro

2.1 % Pb cut off		Tonnes Mt	Lead %
Magellan	Measured	7.4	5.5
	Indicated	5.8	4.5
	Total M&I	13.2	5.1
	Inferred	4.5	3.9
Cano	Measured	2.6	4.9
	Indicated	0.5	3.4
	Total M&I	3.1	4.7
	Inferred		
Pinzon	Measured		
	Indicated	5.2	4.5
	Total M&I	5.2	4.5
	Inferred	1.6	4.1
Pizarro	Inferred	1.5	4.3
Drake	Inferred	2.7	4.1
Stockpiles	Measured	0.7	3.8
Total Resources	Measured	10.7	5.2
	Indicated	11.4	4.5
	Total M&I	22.1	4.8
	Inferred	10.2	4.0

- Plant produced at 1.5 million tonnes per annum equivalent, expected to increase to 1.9 million tonnes upon restart.
- Single stage primary crushing, secondary ball mill.
- Plant operated at 90% availability prior to shutdown.
- Sulphidize by froth flotation (NaHS).
- Typical sulphide concentrator.
- Concentrate pressure filter installed and to be commissioned.
- Gas pipeline to be commissioned at site and provide major power source.
- Lead recoveries of 75% to 80%.
- Lead carbonate concentrate 63% to 65% contained lead.





Operations Update



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- Previously exported concentrate in 'bulk' through the Port of Esperance.
- Exported: April 2005 to March 2007.
- Total number of vessels – 28.
- Total amount of concentrate shipped – 166,000 WMT (154,000 DMT).
- Due to escape of dust during loading process, export halted.
- Successfully partnered with Government, Port and Community to resolve issues.



- After halt of export, 8,000 DMT stockpiled in shed at Port.
- Developed Lead Removal Plan to facilitate removal.
- Lead concentrate packaged in approved two tonne bags.
- Exteriors of bags vacuumed.
- Bags placed inside shipping containers.
- 1st shipment 26 containers (597 DMT) – March 2009.
- 2nd shipment 329 containers (7,684 DMT) – May 2009.
- All stringent health, safety and environmental conditions put in place were met.
- Demonstrates sealed shipment process is safe and environmentally sound.



- Fostering good relationships with all stakeholders is an essential part of Ivernia's emphasis on sustainable operations
- Ivernia has committed A\$1 million over three years in support of local community groups within Esperance.
- Focus on projects that will provide a sustainable and tangible benefit to the broader Esperance community
- Excellent response to date - 10 projects receive \$298,000 in financial support for first year





Fremantle Sealed Shipments



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- Lead concentrate packaged in Government and UN approved two tonne bags.
- Exteriors of bags are vacuumed.
- Loaded inside shipping containers.
- Containers bolt locked.
- Containers loaded onto trucks.
- Containers and trucks washed and containers delivered by rail to the Port of Fremantle.
- Shipped to customers on regular container vessels.



- Independent inspection for every bag and container.
- Independent auditing and reporting.
- Public compliance reporting and consultation.
- A\$5 million environmental bond in place.
- Top level emergency response program
 - Consultation with all 22 local Governments along transport route.
- Performance review.



- Most rigorous occupational health, safety and environment standards.
- Extensive baseline and operational monitoring of transport route and the Port.
- Monitoring includes soil, water, benthic sediment, dust and air quality.
- Public reporting of results.



Sealed Shipment Process

Over the past 2 years we have created and are currently implementing a new worldwide standard for the safe handling and transport of lead concentrate using a sealed process which is recognized as setting a new level of industry best practice

- Final Government approval granted in August 2009.
- Rigorous Occupational Health, Safety & Environment (OHS&E) standards for handling and transport.
- Avoids re-handling of product.
- Potential for product escape is minimized.
- Top level emergency response programs in place.
- Improved corporate and social responsibility.



- Currently shipping mine concentrate stockpiles (21,000 DMT) through Fremantle.
- First train into Port - 24th September.
- First vessel departure – 30th September – 450 DMT.
- Expect on average twice weekly shipments from mine-site stockpile ahead of the planned restart of Magellan early in 2010.



- Company on sound financial footing with unique industry position.
- Extensive mine restart planning underway.
- Objective to restart in early 2010.
- Re-emergence as a stronger organisation: corporate experience.
- Pursuing growth opportunities in the base metals.
- Risk diversification (operational and commodity).

With a steadfast commitment to community, health and safety and the environment, Ivernia is poised to reopen the Magellan Mine with newly developed transport methods that lead the industry in environmental health and safety.



TSX: IVW

www.ivernia.com

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