



PENINSULA MINES LIMITED



# FOCUSED ON HIGH-VALUE DISCOVERY IN SOUTH KOREA

September 2016 (ASX:PSM)

# COMPETENT PERSONS STATEMENT & DISCLAIMER

The information in this presentation that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Daniel Noonan, a Member of The Australian Institute of Mining and Metallurgy. Mr Noonan is engaged as a full time consultant to the Company providing exploration managerial services for the Company's Korean operations. Mr Noonan 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 2012 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves'. Mr Noonan consents to the inclusion in the Prospectus of information compiled and interpreted by him in the form and context in which it now appears.

The background information on the location and history of the Daehwa Mo-W Project has not materially changed since it was first described in earlier ASX releases of the Company that were issued prior to the adoption by the Company of the reporting practices outlined in the 2012 edition JORC code. Information on the location and history of the Osu Au-Ag Project has not materially changed since it was first described in earlier ASX releases of the Company following the adoption by the Company of the reporting practices outlined in the 2012 edition JORC code.

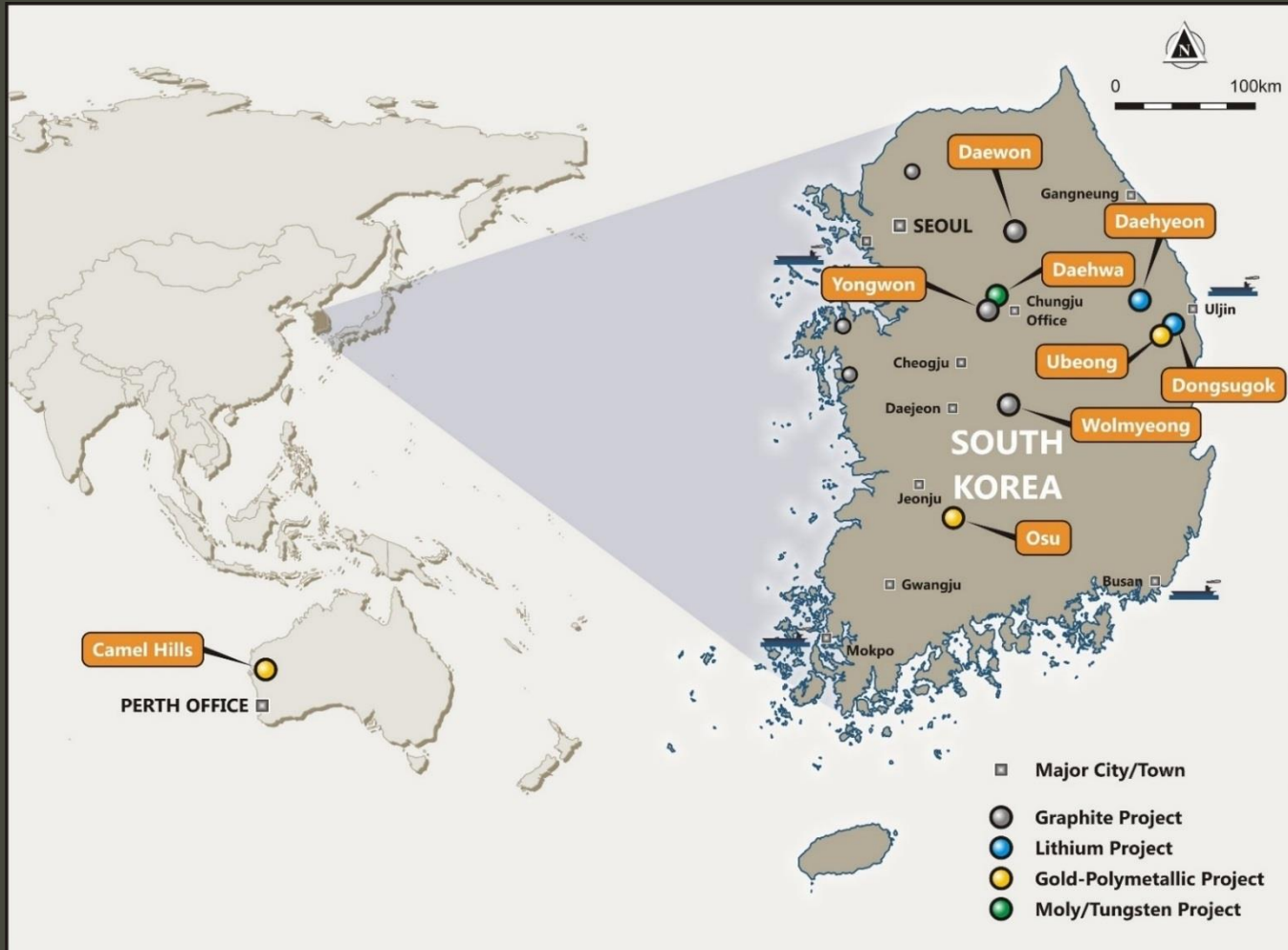
The Company's website is located at ([www.peninsulamines.com.au](http://www.peninsulamines.com.au)). The website contains information on the Company's projects, project maps, a list of the Company's announcements to ASX, information on Native Title (including the tenement grant process and heritage surveys), legislative environments under which the Company operates, Corporate Governance, a section on risks, many of which are common to exploration companies and other useful information. All the information presented in this investor update has been released to the market in previous Company announcements and no new exploration results are presented in this presentation. A list of the Company's announcements is also obtainable from the Australian Securities Exchange.

Forward-Looking Statements are included herein, regarding the future ability to finance projects and other statements that express management's expectations, or estimates regarding the timing of completion of various aspects of the projects' development or of our future performance and thereby constitute "forward-looking statements". The words "believe", "expect", "anticipate", "contemplate", "target", "plan", "aims", "intends", "continue", "budget", "estimate", "may", "will", "schedule", and similar expressions identify forward-looking statements. Forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by management, are inherently subject to significant business, economic and competitive uncertainties and contingencies.

In particular, announcements and presentations by Peninsula Mines Limited include many such forward-looking statements and such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of Peninsula Mines Limited to be materially different from its estimated future results, performance or achievements expressed or implied by those forward-looking statements and its forward-looking statements are not guarantees of future performance. These risks, uncertainties and other factors are included in the Risks section of the Company's website and ASX announcements available on the company's websites. Peninsula Mines Limited expressly disclaim any intention or obligation to update or revise any forward-looking statements whether as a result of new information, events or otherwise, except where required by law.



# FOCUSED ON SOUTH KOREA AND THE HOTTEST COMMODITIES



## Key Projects

### Graphite:

- Wolmyeong
- Yongwon
- Daewon

### Lithium:

- Daehyeon
- Dongsugok

### Gold & Zinc-Silver:

- Osu (Au-Ag)
- Ubeong (Zn-Ag)

*Large and growing portfolio of projects in highly prospective South Korea*



PENINSULA MINES LIMITED

# COMPANY HIGHLIGHTS

- **Established** and **focussed** on mineral discovery in highly-prospective **South Korea**
- South Korea is a stable first world economy and leading manufacturer and major end user of e.g. Graphite and Lithium – and we are well placed to take advantage of this opportunity
- Executive team has 90 years combined discovery, mine geology and financial-corporate experience
- Large and growing portfolio in **Graphite** and **Lithium**, **Gold** and new **Zinc-Silver** projects that fit with strategy for mineral commodities with good price outlook and off-take in-Country
- High-grade **Graphite** at surface in three key project areas with large graphite flakes identified in two areas
- Highly-anomalous **Lithium** results indicate a new lithium-pegmatite trend may have been identified
- Drilling planned at **Osu Gold Project** in the near future, to test the high-grade gold target
- New discovery of high-grade **Zinc-Silver** workings in tenements over a 10km skarn-limestone trend
- Aggressive programme to advance key projects to drilling and resource discovery
- ***Enterprise Value of ~\$11 million (@ 2.5 cps) provides strong upside to exploration success***





# WHY SOUTH KOREA

- Stable first world economy with superb infrastructure and logistics
- Business and Industry/development friendly environment
- Major industrial high-tech companies to provide off-take opportunities & strategic partnerships e.g. LG, LS-Nikko, Samsung
- The market leader in Lithium-ion battery technology and other high-tech applications for graphite and lithium
- Established down-stream processing for e.g. Zinc, Copper & Gold
- Strong mining history and highly prospective for a range of mineral commodities – but very little modern exploration
- Tenement structure oriented to discovery then grant of tenements - leading to many opportunities in open ground
- Strong Government support to foster exploration and development to re-build mining industry, with active support and funding (KORES)
- Peninsula is well established with networks in country, since 2011



*Right Country, Right Commodities and Right Time*

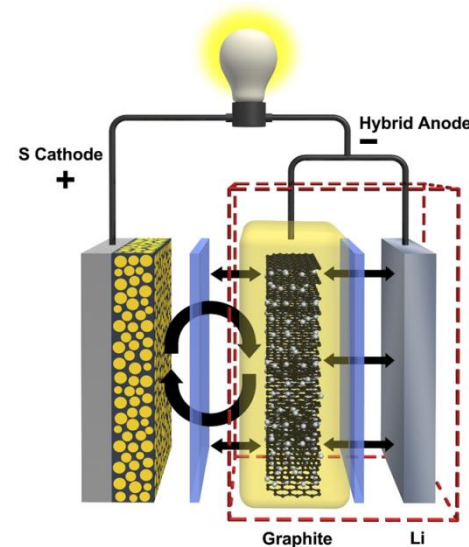
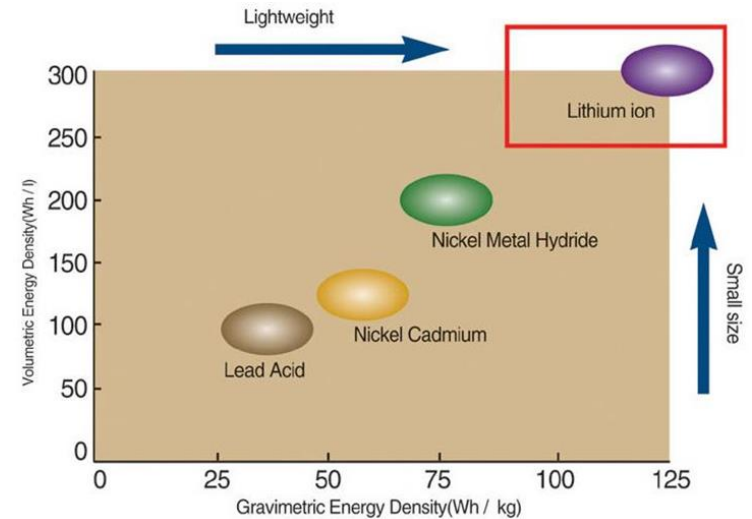


PENINSULA MINES LIMITED

# GRAPHITE AND LITHIUM

- **South Korea is the world's largest Li-ion battery market** and leading manufacturer
- **Graphite** and **Lithium** are the key components of this cutting-edge and leading re-chargeable battery technology and the feed for this manufacturing base comes almost entirely from outside South Korea
- South Korea is highly prospective for these two key commodities and the Company has established substantial tenement holdings over **Graphite** and **Lithium** Projects
- A high-impact exploration program is underway across the **Graphite** and **Lithium** portfolio and we are well placed to capitalise on strong demand for these key technological commodities in-Country

*Outstanding strategic opportunity to discover and develop graphite and/or lithium production to feed the worlds leading market for these commodities on our doorstep*

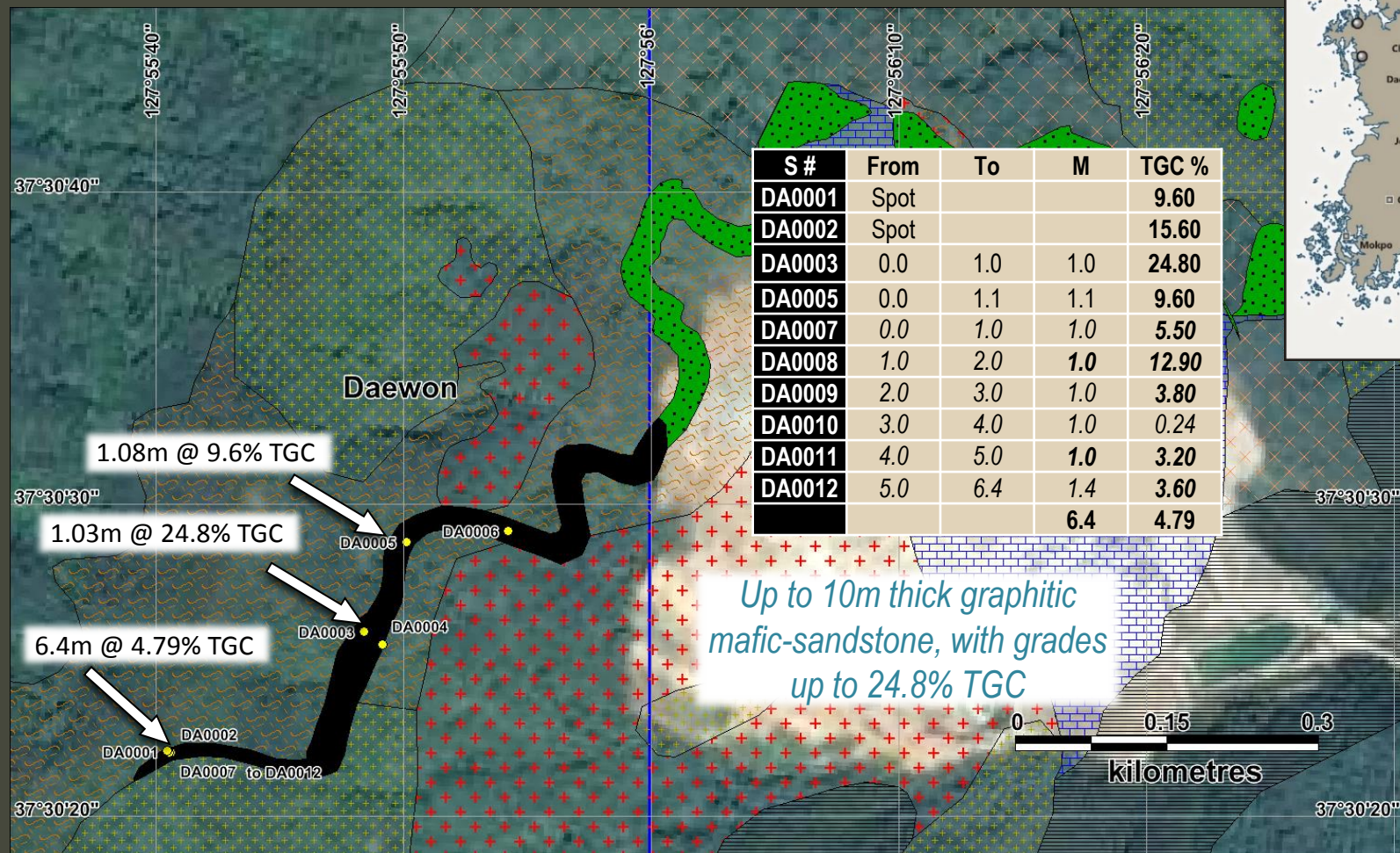


*Lithium and Graphite contributing to major improvements in battery power and storage capacity*





# DAEWON GRAPHITE PROJECT

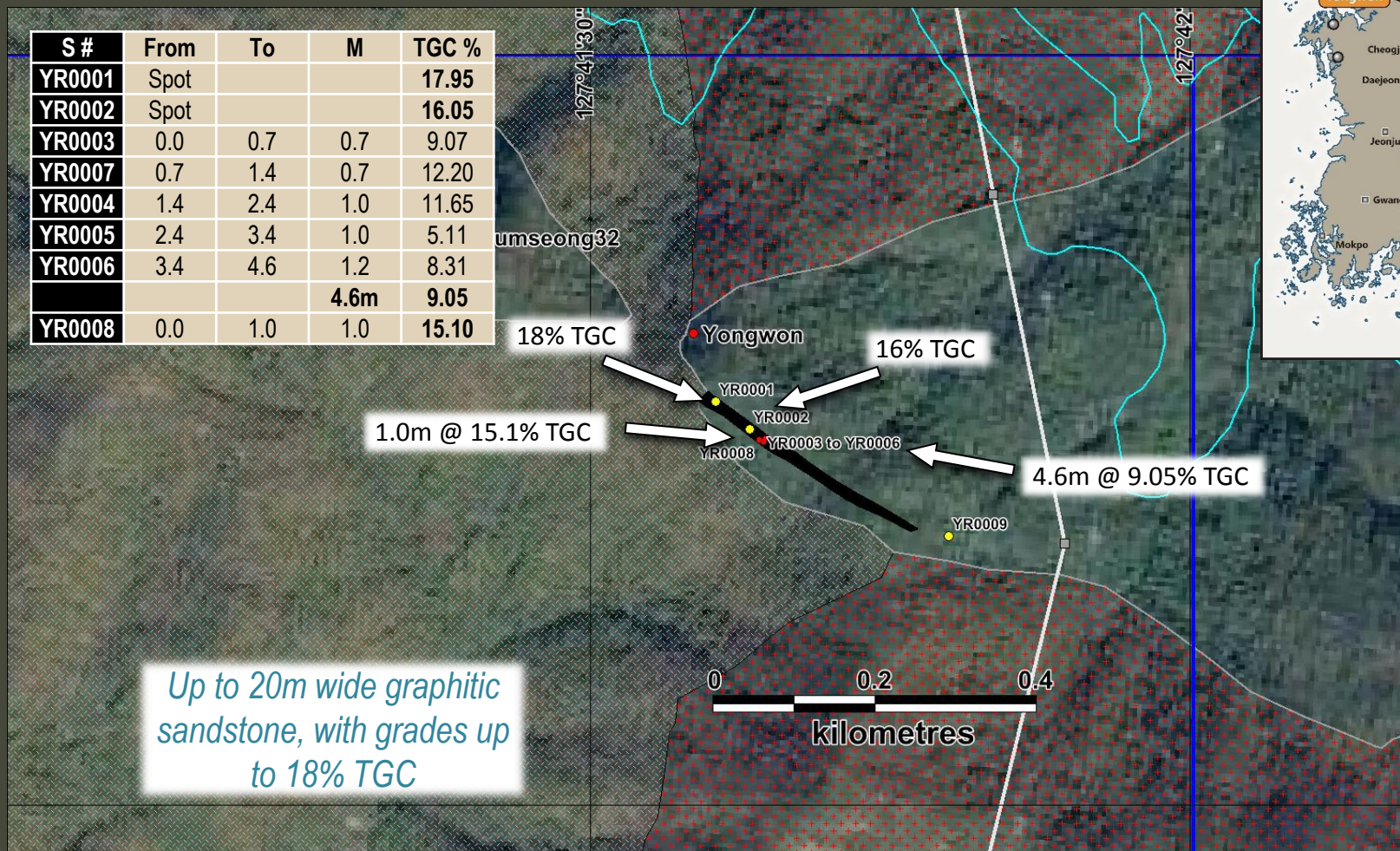


- Graphitic unit >350m strike length and up to 10m thick, exposed 6.4m @ 4.79 % TGC
- Trenching and channel sampling planned to test entire 10m thick sequence



# YONGWON GRAPHITE PROJECT

S #	From	To	M	TGC %
YR0001	Spot			17.95
YR0002	Spot			16.05
YR0003	0.0	0.7	0.7	9.07
YR0007	0.7	1.4	0.7	12.20
YR0004	1.4	2.4	1.0	11.65
YR0005	2.4	3.4	1.0	5.11
YR0006	3.4	4.6	1.2	8.31
			4.6m	9.05
YR0008	0.0	1.0	1.0	15.10

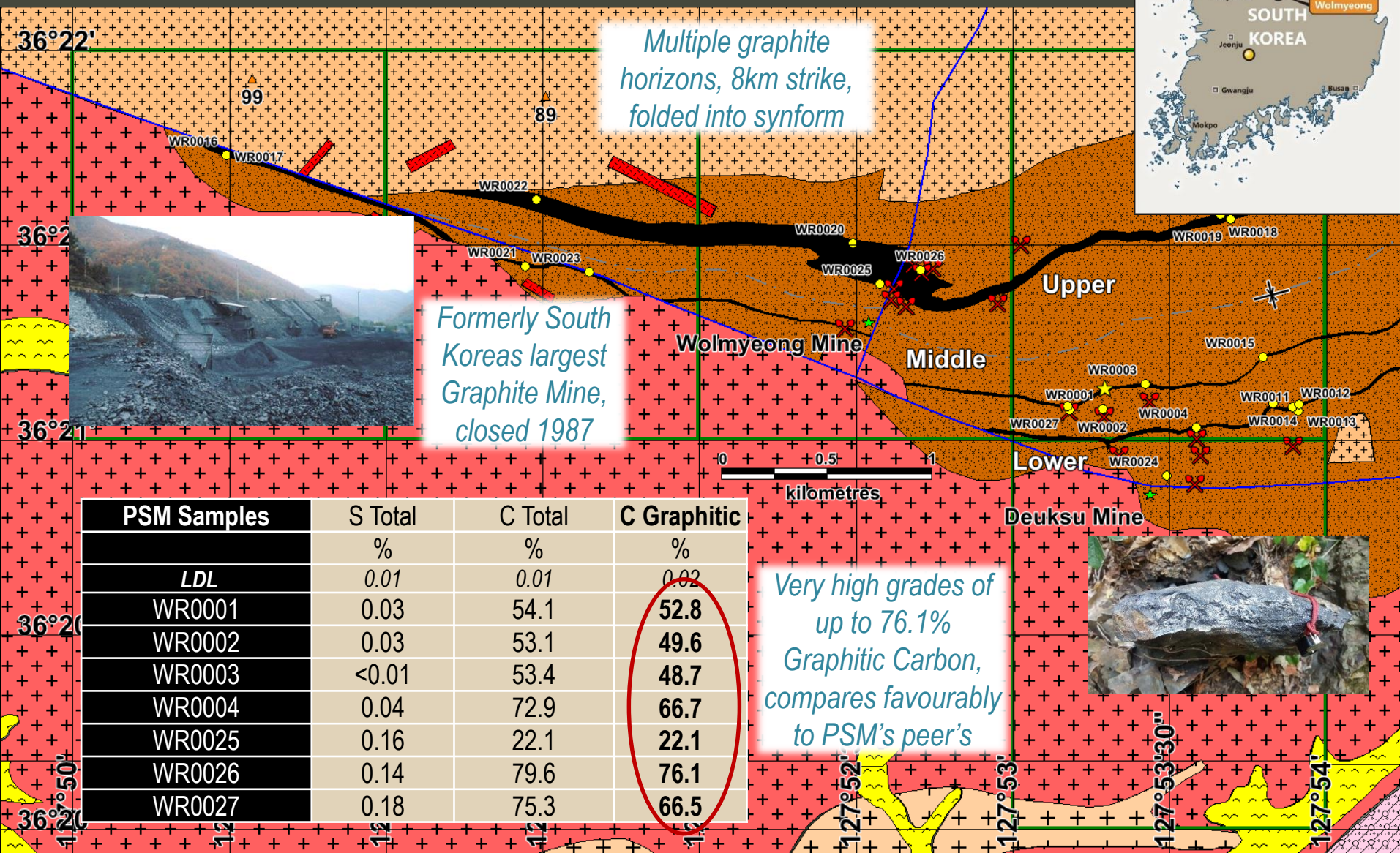


- Graphitic sandstone unit >300m strike length, up to 20m wide, exposed 4.6m @ 9.05 % TGC
- Trenching and channel sampling planned to test entire 20m wide sequence

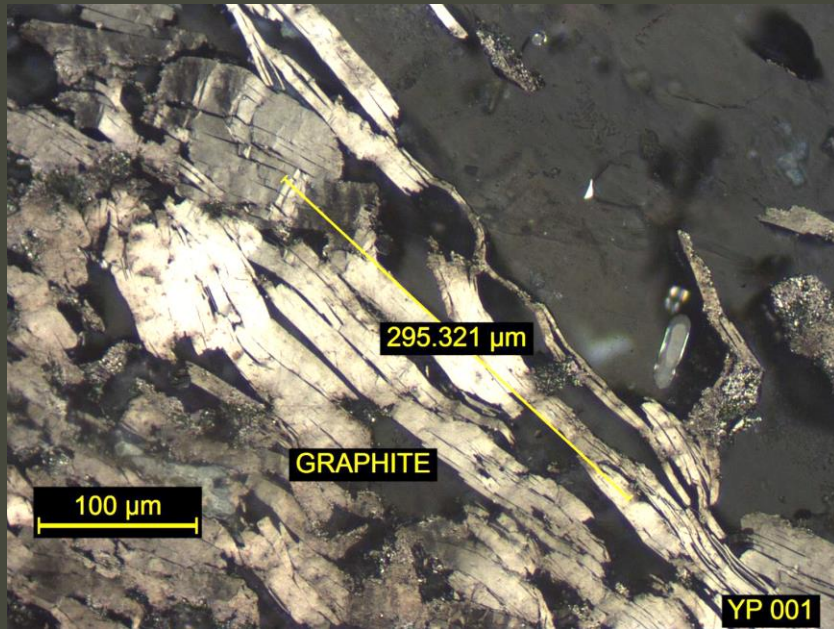




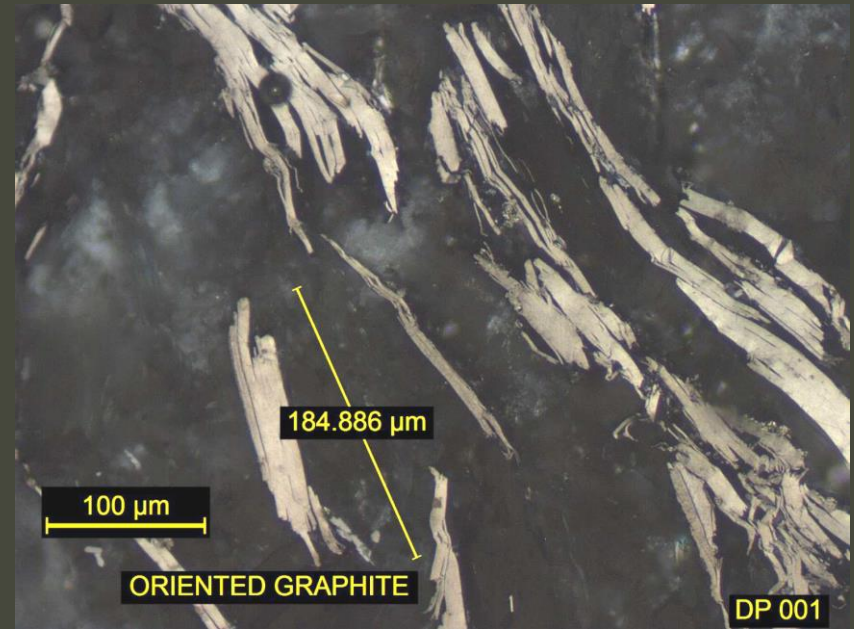
# WOLMYEONG HIGH-GRADE GRAPHITE PROJECT



# LARGE TO “JUMBO” GRAPHITE FLAKES IN PETROGRAPHY



*Yongwon: “Jumbo”, >300µm flakes in petrography*



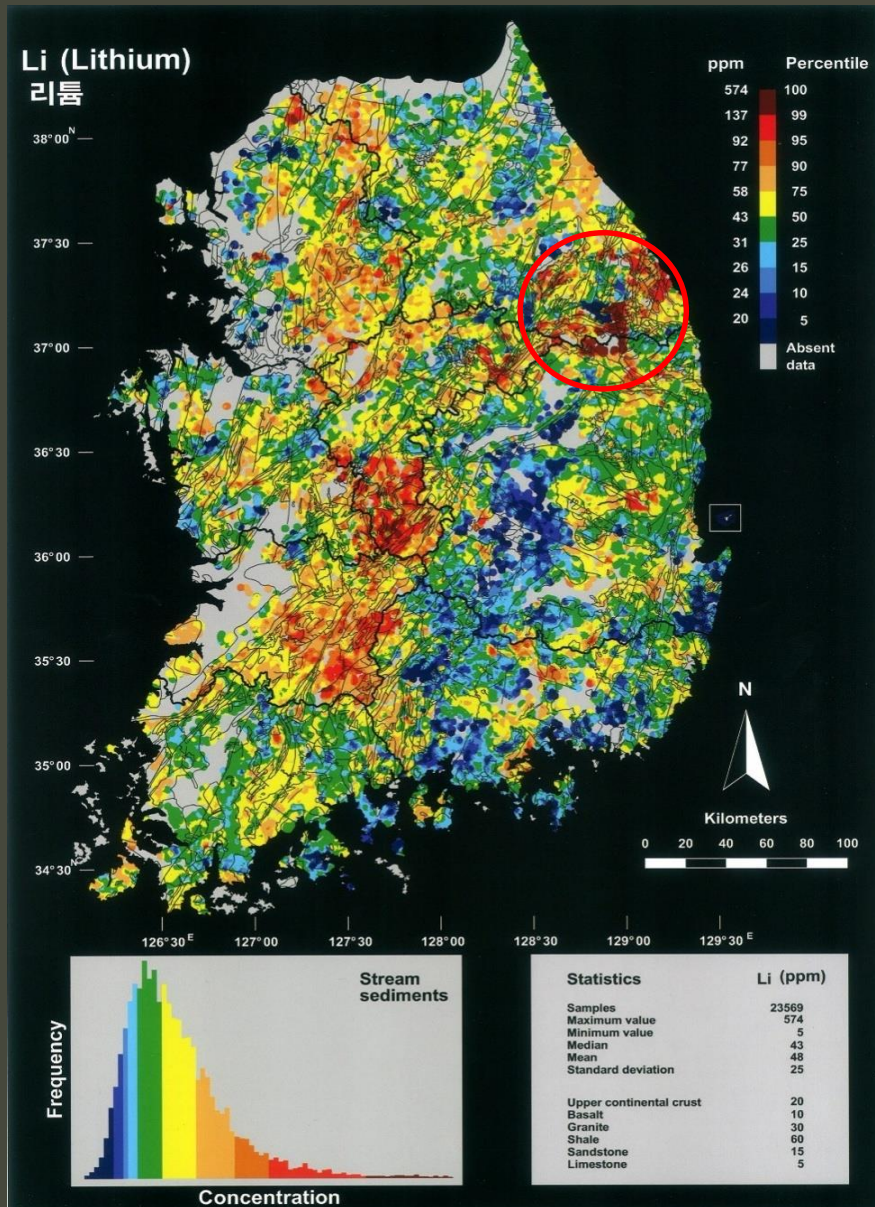
*Daewon: large, >180µm flakes in petrography*

- Petrography identifies large to “jumbo” graphite flakes in the Yongwon and Daewon Projects
- Wolmyeong graphite fine, “amorphous” with some re-crystallised “flake” graphite in structural zones
- Metallurgical test-work is in progress to optimise grade of flake graphite concentrate(s) for high-end technology applications e.g. sphericalisation for Li-ion batteries





# LITHIUM PROJECTS



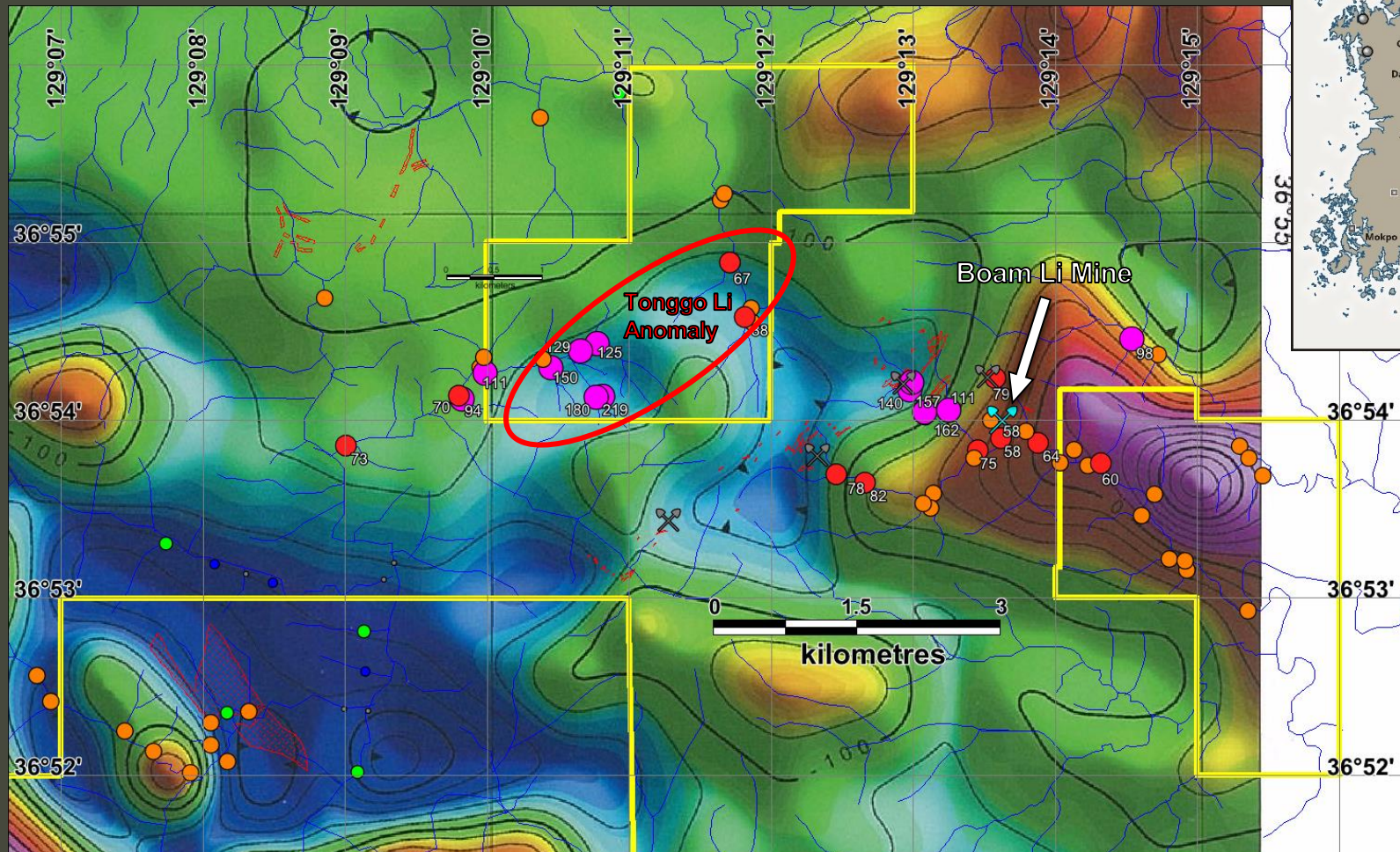
- Country-wide government stream sediment survey highlighted strong lithium anomaly in east of Country
- Two substantial tenement areas applied for at Daehyeon (61 tenement applications) and Dongsugok (29 tenement applications)
- Dongsugok includes mapped pegmatites in vicinity of the Boam Lithium Mine (pegmatite exposure above)



PENINSULA MINES LIMITED



# DONGSUGOK: TONGGO LITHIUM ANOMALY

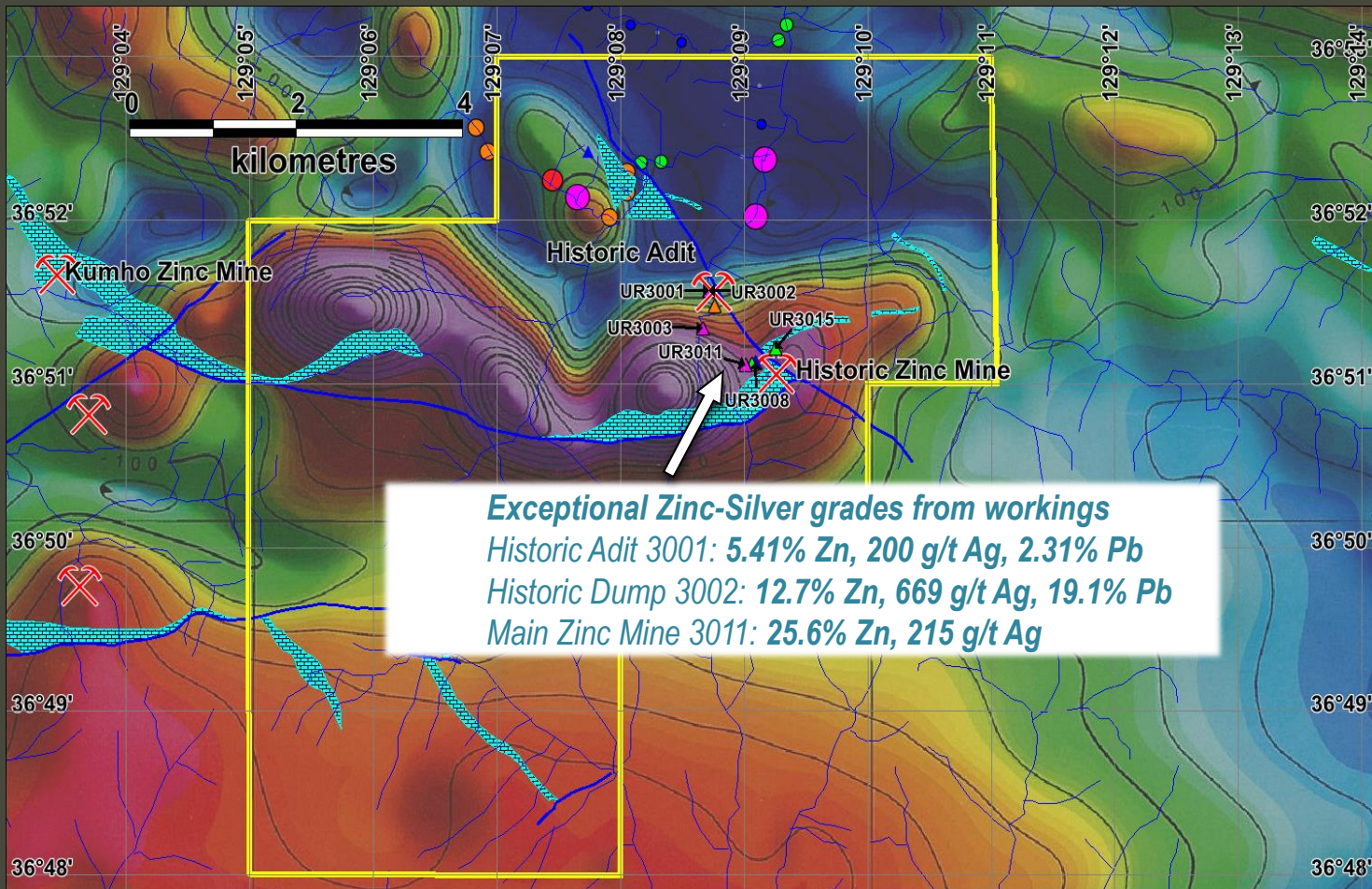


- Tonggo – very strong anomaly, 3km corridor parallel to Sn-Li pegmatite trend
- Follow up streams and ridge-spur soils and rockchips to locate pegmatite / vein(s)





# UBEONG ZINC-SILVER SKARN CORRIDOR ON MAGNETICS



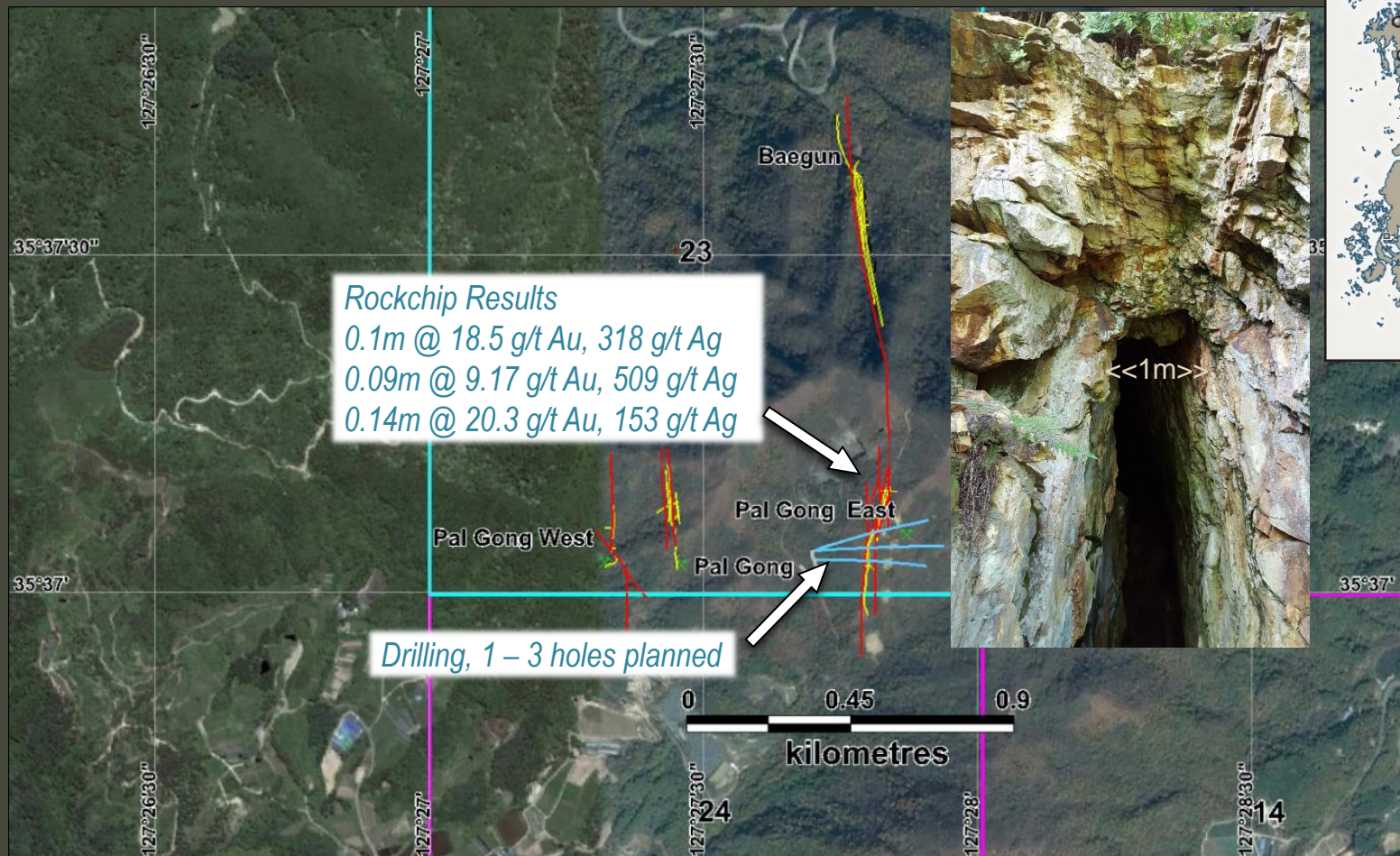
- High grade Zinc-Silver from limestone-skarn workings
- Company has applied for 10km magnetic skarn corridor
- Operating Kumho Zinc Mine at western end of corridor



PENINSULA MINES LIMITED



# OSU GOLD-SILVER PROJECT



- High-grade shears in broader 30m to 40m zone to be channel sampled
- Drilling planned to test high grade zone down plunge – Q4 2016



# HIGH NEWS FLOW FROM AGGRESSIVE FIELD PROGRAMS

## Q 3 – 4 2016:

- **Graphite:** Initial metallurgical test work on Yongwon, Daewon and Wolmyeong projects
- **Graphite:** Systematic channel sampling of key projects
- **Lithium:** Follow up of Tonggo Lithium anomaly - streams, soil and rockchip results
- **Zinc-Silver:** Follow up of high-grade Zinc-Silver results on 10km skarn horizon – streams, soils, additional rockchip sampling
- **Gold:** Drilling of the Osu high-grade gold target

## Q 1 – 2 2017:

- **Graphite:** Geophysics e.g. EM, to target thick graphite targets on key projects for drilling
- **Gold-Polymetallic:** Regional sampling and targeting of new gold and polymetallic projects in northeast of country
- **Graphite:** Drilling of key projects to define resources
- **All:** Continued review of advanced project opportunities



# CORPORATE SNAPSHOT – FOCUS ON SHAREHOLDER VALUE

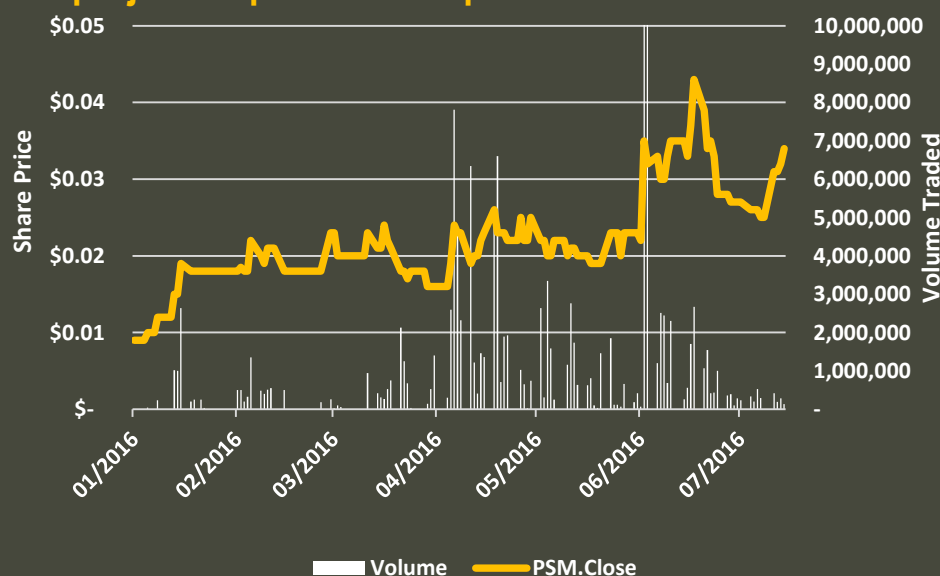
## Capital Structure

Shares	434.5M
Options	100M (various prices)
Market Capitalisation	\$11M (at 2.5cps)
Cash	\$1.3m (30 June 2016)
Enterprise Value	~\$10m

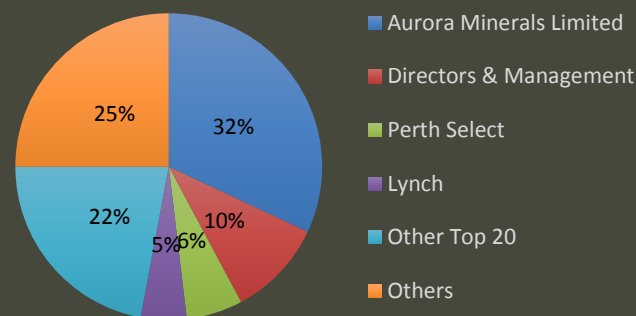
## PSM Directors and Officers

Phillip Jackson	Non-Executive Chairman
Martin Pyle	Executive Director
Daniel Noonan	Executive Director
Chris Rashleigh	Non-Executive Director
Jon Dugdale	Chief Executive Officer

Increased share price (up 300%) and liquidity related to project acquisition and positive newsflow in 2016



Top 20 control >75% of issued capital  
Tightly held capital structure



# PENINSULA MINES (ASX:PSM) - WHY INVEST:

## Hottest Commodities

- **Graphite** and **Lithium** Projects for high-end technology applications
- Historical high-grade **Gold** mine to be drill tested
- New **Zinc-Silver** Project with 10km of potential near operating mine

## South Korea Benefits

- Favourable operating and fiscal regime providing clear path mining to markets
- Excellent infrastructure, logistics and skilled labour market
- Supplies of lithium and graphite are highly sought after in South Korea and region

## Experienced Team

- Highly experienced Board and Management team with discovery track record
- Built reputation with South Korean government and industry since 2011

## Significant Activity Underway

- Key projects secured with focus on commodities with positive outlook
- Aggressive field program to advance key projects to drilling stage or rationalise
- **Graphite** projects metallurgy then channel sampling, geophysics and drill targeting
- **Lithium** follow up mapping and surface sampling to target new discovery
- New **Zinc-Silver** project to be sampled, strong potential for discovery in 10km zone
- **Gold** drilling at Osu – targeting high-grade mineralisation under historic mines

