



30th October 2015

Centralised Company Announcements Platform
Australian Securities Exchange
10th floor, 20 Bond Street
Sydney NSW 2000

QUARTERLY ACTIVITIES AND CASHFLOW REPORT 30 SEPTEMBER 2015

Please find attached the Quarterly Activities and Appendix 5B Quarterly Cash Flow Reports for the Quarter ended 30 September 2015.

Yours faithfully



Stephen Biggins
Managing Director



ASX Release

30 October 2015**CORE EXPLORATION LTD**

26 Gray Court
Adelaide SA 5000
(08) 7324 2987

CONTACT:

Stephen Biggins
Managing Director

Jarek Kopias
Company Secretary

E-MAIL:

info@coreexploration.com.au

WEBSITE:

www.coreexploration.com.au

Directors:

Greg English
Non-Executive Chairman

Stephen Biggins
Managing Director

Heath Hellewell
Non-executive Director

Issued Capital:

174,664,295 Ordinary Shares
31,400,000 Unlisted Options
3,925,000 Unlisted Performance Rights

ASX Code: CXO**QUARTERLY ACTIVITIES REPORT
FOR THREE MONTHS ENDED
30 SEPTEMBER 2015****Highlights**

During the period, Core commenced drilling at the Yerelina Zinc Project in SA.

Core also executed a MOU to establish a \$2 million joint venture on the Blueys project in the NT with an overseas partner.

Overview

The Board of Core Exploration Ltd ("Core") is pleased to present its Quarterly activities report for the Period ended 30 September 2015.

During the reporting period, Core commenced drilling on the Yerelina Zinc Project in South Australia and finalised preparations for drilling at Jervois Domain in the Northern Territory.

Diamond drilling at Yerelina has intersected a mineralised breccia zone over a 9.8m section at the Great Gladstone Prospect and a broader 30metre wide intermittent breccia zone at Big Hill Prospect. The mineralised zones intersected are located down dip of outcropping mineralised gossans. Surface channel sampling of these gossans also returned significant zinc, lead and silver assays during the period. The gossans are interpreted as the mineralised surface expression of a fault zone thought to be up to 1.5-3km km long.

Drilling on Core's Jervois Domain Project in NT commenced after the end of the quarter and comprised traverses of shallow RAB/RC drill holes testing a 15km strike length within the prospective Big-J zone and specific high priority geophysical targets.



Project Activity

South Australia : Yerelina Project, EL 5015

(CXO 100%)

Diamond drilling during the reporting period has successfully intersected multiple mineralised breccia zones within Core Exploration Ltd's Yerelina Zinc Project, which covers a total area of approximately 1,000km² in northern South Australia.

Core's diamond drilling program at Yerelina comprised a total of five angled diamond core holes totalling approximately 1,037m at Great Gladstone, Great Northern and Big Hill prospects.

The drill core from these recently completed drillholes is currently being cut, sampled and submitted for laboratory assay. Assay results are expected in late November.

Great Gladstone Prospect

The 9.8m section of mineralised breccias and veining was intersected by diamond drill hole YRDH003 from a depth of 144m downhole.

Base metal sulphide mineralisation was observed within an intense breccia zone. The breccia consists of rotated slate clasts in a predominantly siderite-carbonate-quartz matrix with a polyphase banded breccia/vein overprinting of sphalerite and silica along with ribbons of galena mineralisation (Figures 1 and 2).

The mineralised zone intersected in YRDH003 is located down dip of outcropping mineralised gossans. Surface channel sampling of these gossans at Great Gladstone returned significant zinc, lead and silver assays. The gossans are interpreted as the mineralised surface expression of a fault zone thought to be up to 1.5km long (Figure 3 & 8).

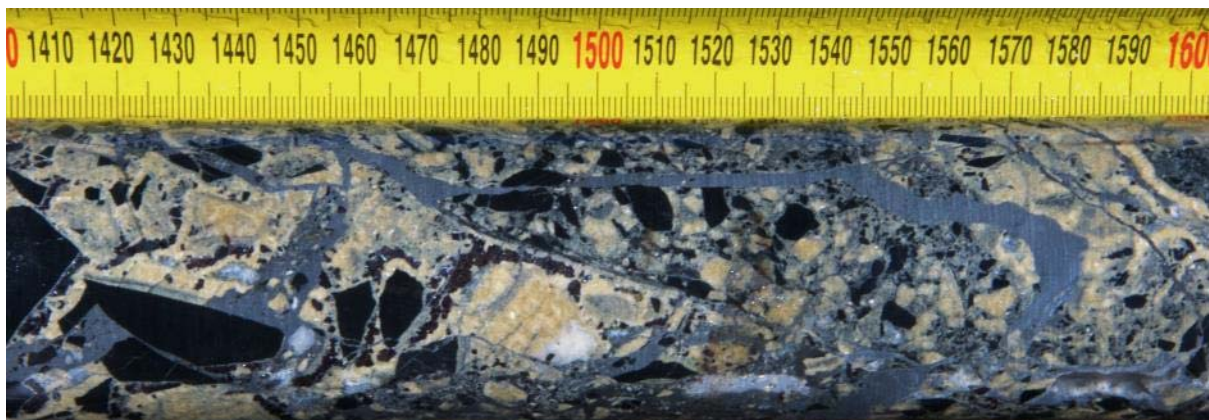


Figure 1. YRDH003 150.2m - Mineralised Breccia (slate, siderite-calcite-quartz-sphalerite-galena)

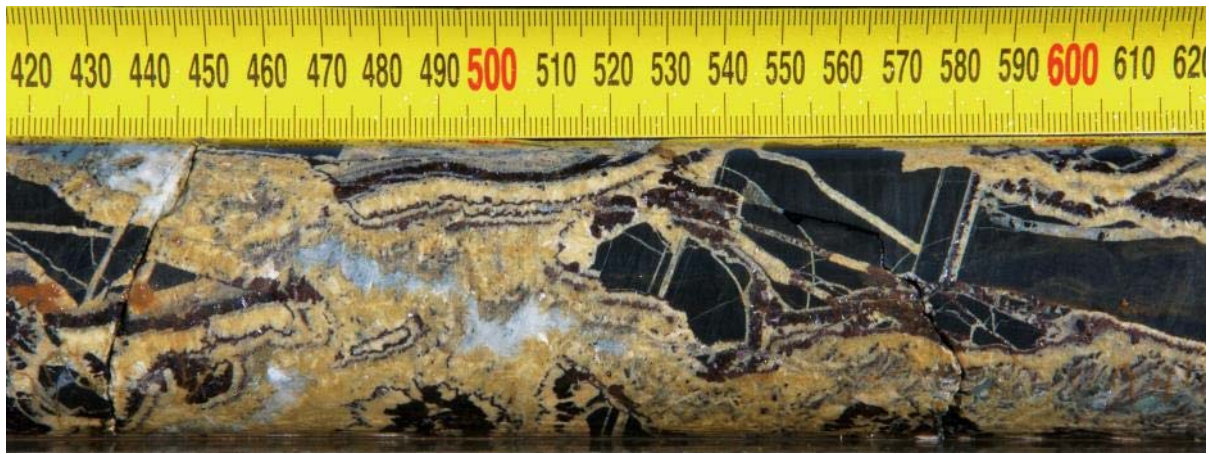


Figure 2. YRDH003 153.4m – Mineralised polyphase vein with sphalerite and siderite

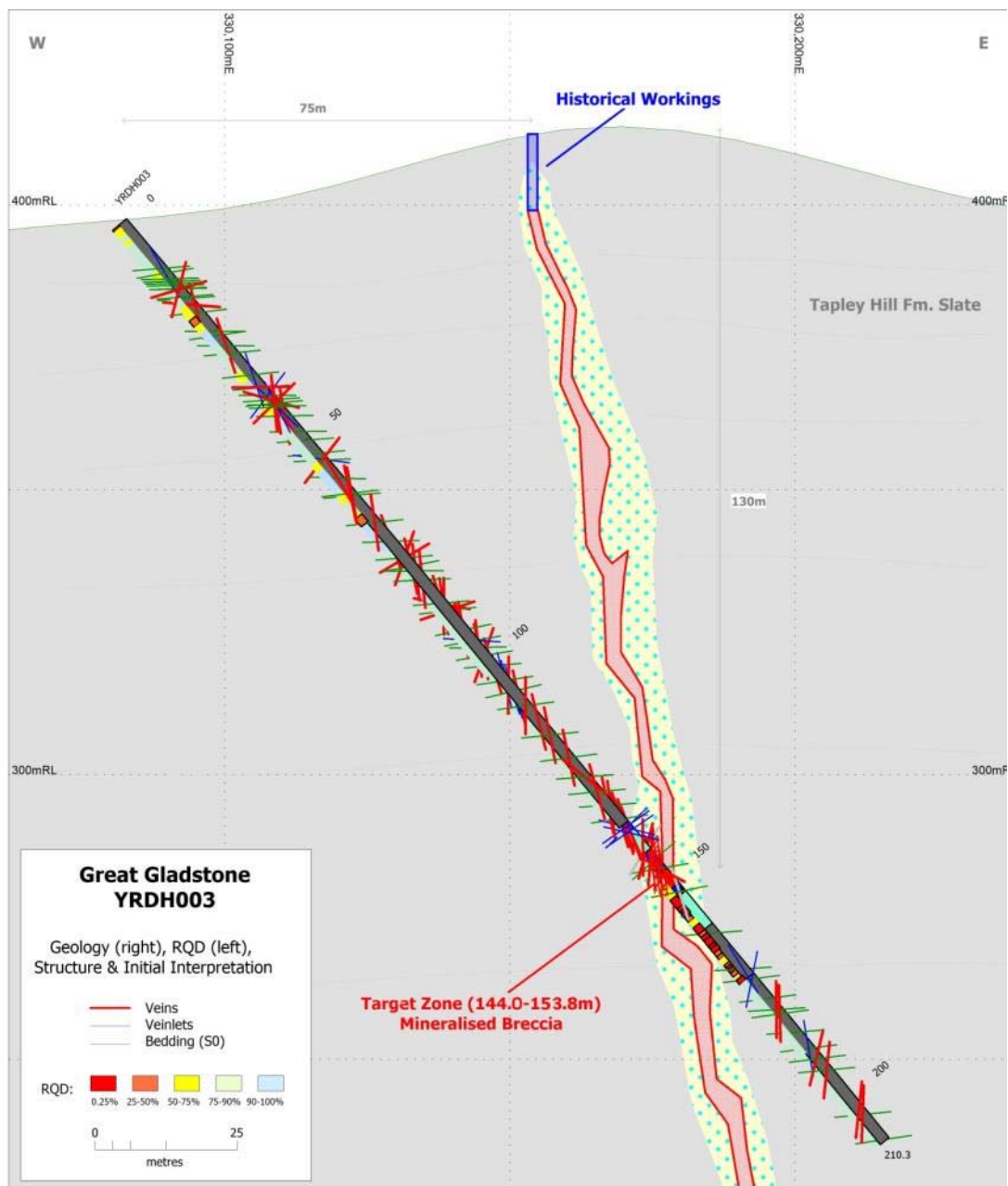


Figure 3. Drill hole trace and interpreted geological cross section, YRDH003 Great Gladstone Prospect, Yerelina Project South Australia.

Big Hill Prospect

Diamond drilling has intersected a broad 30m wide zone of intermittent breccia and veining at the Big Hill Prospect.

The mineralised zone intersected in YRDH005 is located down dip of a 10m wide outcropping mineralised gossans. Surface channel sampling of these gossans have returned significant zinc, lead and silver assays.

Zinc and lead mineralisation is interpreted be hosted in carbonate-quartz-goethite veining and breccias as indicated by leached sulphides (goethitic boxworks and voids) at various intervals within a 30m intersection (approx. true width) from 30m to 60m depth downhole (Figures 4-6).

The Big Hill Gossans are interpreted as the mineralised surface expression of a fault zone thought to be up to 3,000m long at Big Hill and are also considerably thicker than that at Great Gladstone prospect located ~5km further west (refer ASX announcement 12th September 2015) (Figure 7).

The host rocks at Big Hill have more sandy, carbonate-rich interbeds showing stronger MVT-type zinc lead mineralisation style affinities with shallow, platform carbonate rich facies. Also the degree of oxidation, veining and structural complexity is significantly higher than at Great Gladstone.

Numerous fault zones and veining, with alteration selvaging and discrete zones of intense brecciation were identified, but strong weathering has leached much of the sulphide minerals leaving goethite stained vuggy voids in breccias and fault zones and haematite (marcasite) in veins interpreted after sulphides.



Figure 4 YRDH005 Fault and mineralised breccia at 45.7-46.7m



Figure 5. YRDH005 60.5-61m Brecciated slate with calcite/quartz matrix and black puggy material (after sulphide).



Figure 6. YRDDD005 44.2-48.1 Veining, faulting and brecciation within carbonate rich slate.

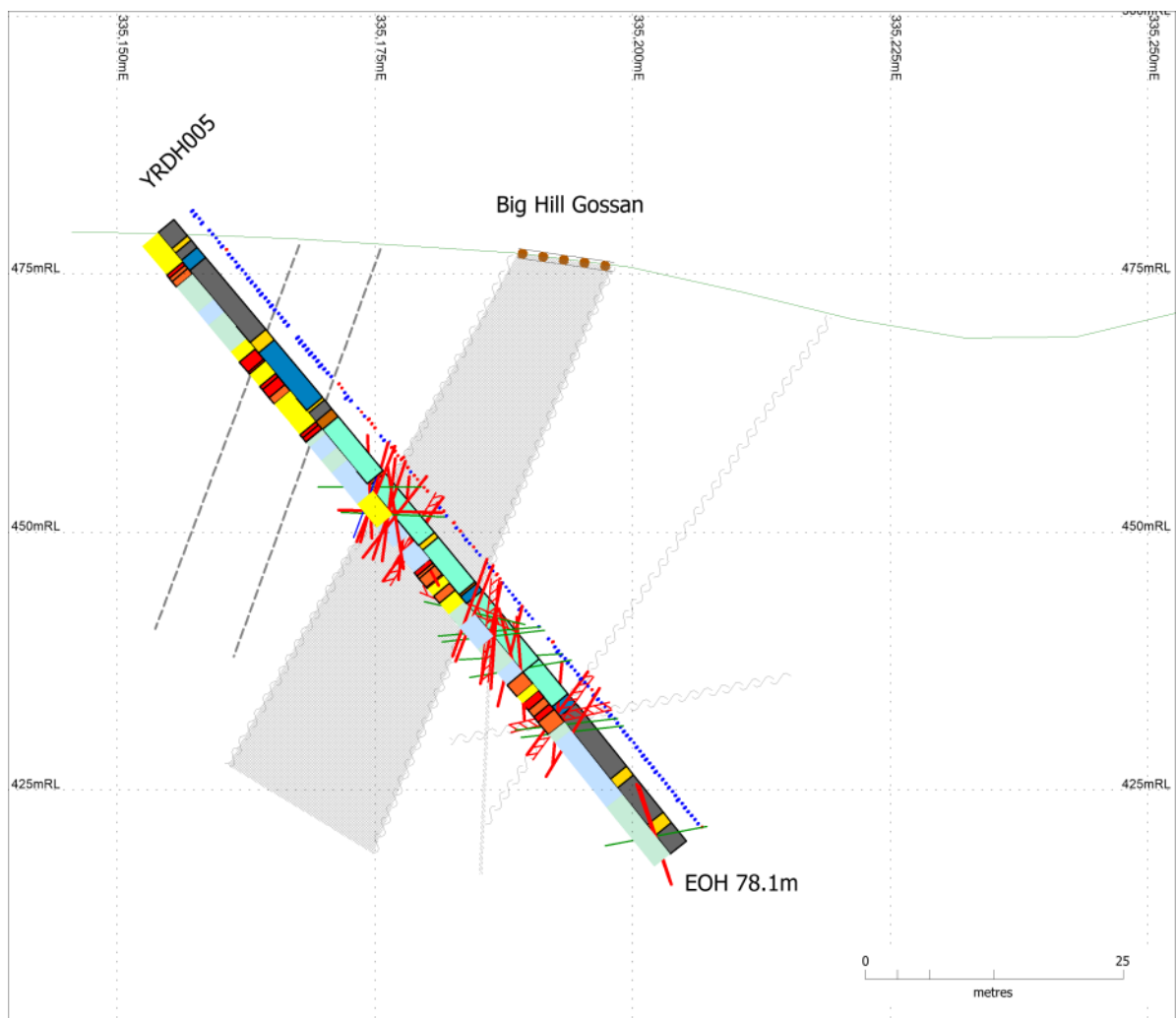


Figure 7. Drill hole trace and interpreted geological cross section, YRDH005 Big Hill Prospect, Yerelina Project South Australia.

Yerelina Zinc Project Background

The Adelaide Geosyncline has long been considered prospective for sediment hosted base metal mineralisation styles (e.g. MVT). CXO believes that the mineralisation at Yerelina may represent a surface exposure of a discordant part of one of these large regional mineralisation styles (Figure 8).

High-grade silver-lead-zinc mineralisation within Tapley Hill Formation was historically mined 100 years ago at Yerelina in the northern Flinders Ranges. Whilst there remains clear evidence of numerous historical workings and outcropping mineralisation that can be mapped in repetitious, kilometre long vein sets over a very broad area, no systematic modern exploration has been undertaken, and prior to Core's recent drilling, the area has never been drill tested.

Core's analysis of modern satellite imagery and the Company's detailed heli-borne magnetic and radiometric survey data have identified that these workings are hosted by a large-scale system of repeated north/south regional structures. The Company identified that potential gossanous outcrop and host structures could be seen in the landscape to both the north and the south of the historical workings and multiple potential repeats of the known mineralised faults have been identified as magnetic lows. The Company has located and sampled 23 historical mining areas along six separate mineralised faults to date.

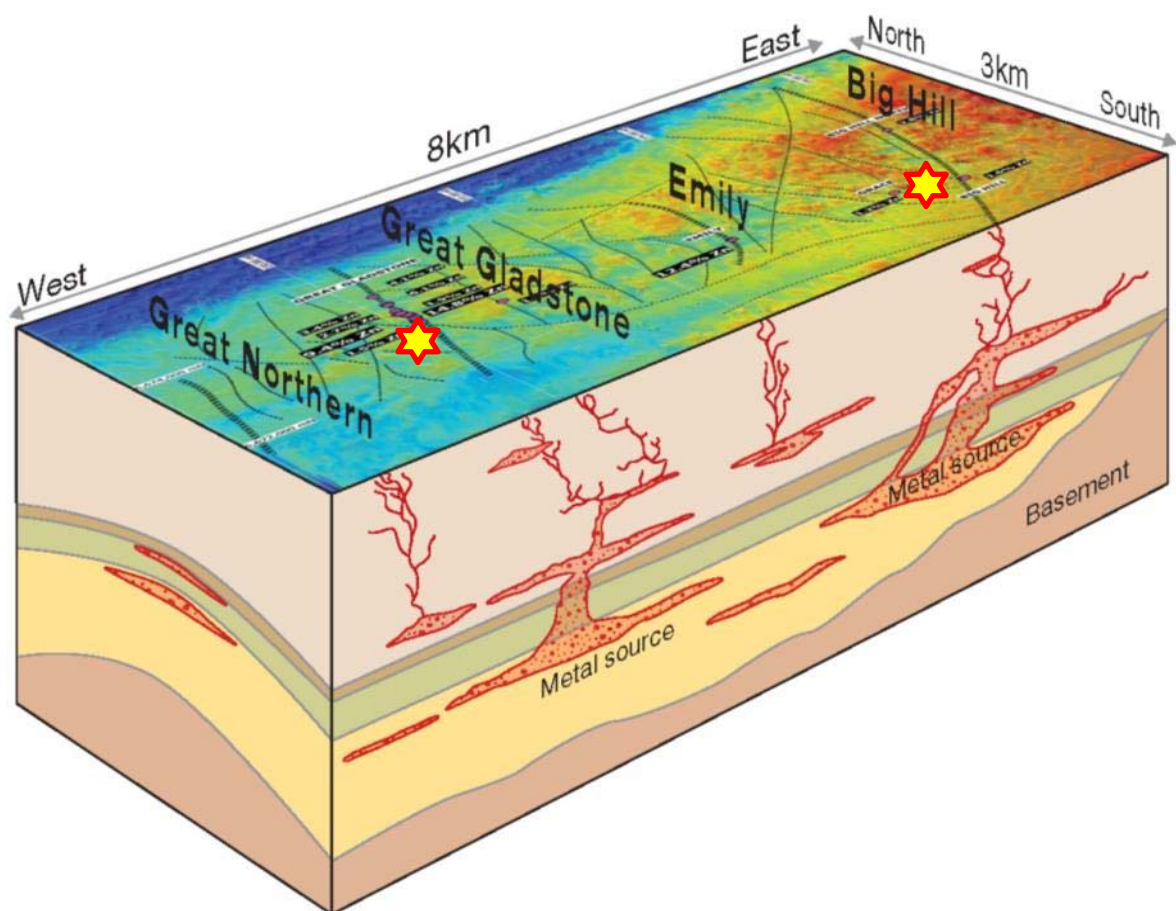


Figure 8. Magnetic image, surface mineralised structures and drill targets in plan view with block model of conceptual geological targets (depth not to scale).

South Australia : Fitton Uranium Project

EL 4569, EL 5192, EL 5375, ELA 2015/44, ELA 2015/125

(CXO 100%)

Core's Fitton Uranium Project is located in a world-class, low-risk uranium mining jurisdiction in South Australia.

Core noted with interest \$75 million offer by Quasar for Alliance Resources Ltd's (ASX:AGS) 25% interest in the Four Mile uranium project in South Australia.

Core has previously made an outstanding discovery of high grade uranium on the 100% owned Fitton Project adjacent to the Four Mile Uranium Mine. Core's exploration work and drilling to date at Fitton has confirmed that uranium mineralisation:

- outcrops (up to 0.30% U₃O₈ at surface)
- high grade at depth (up to 4m @ 0.31% U₃O₈)
- substantial intersections (60m @ 0.05% U₃O₈)
- open below 150m depth in drilling
- close to major unconformity

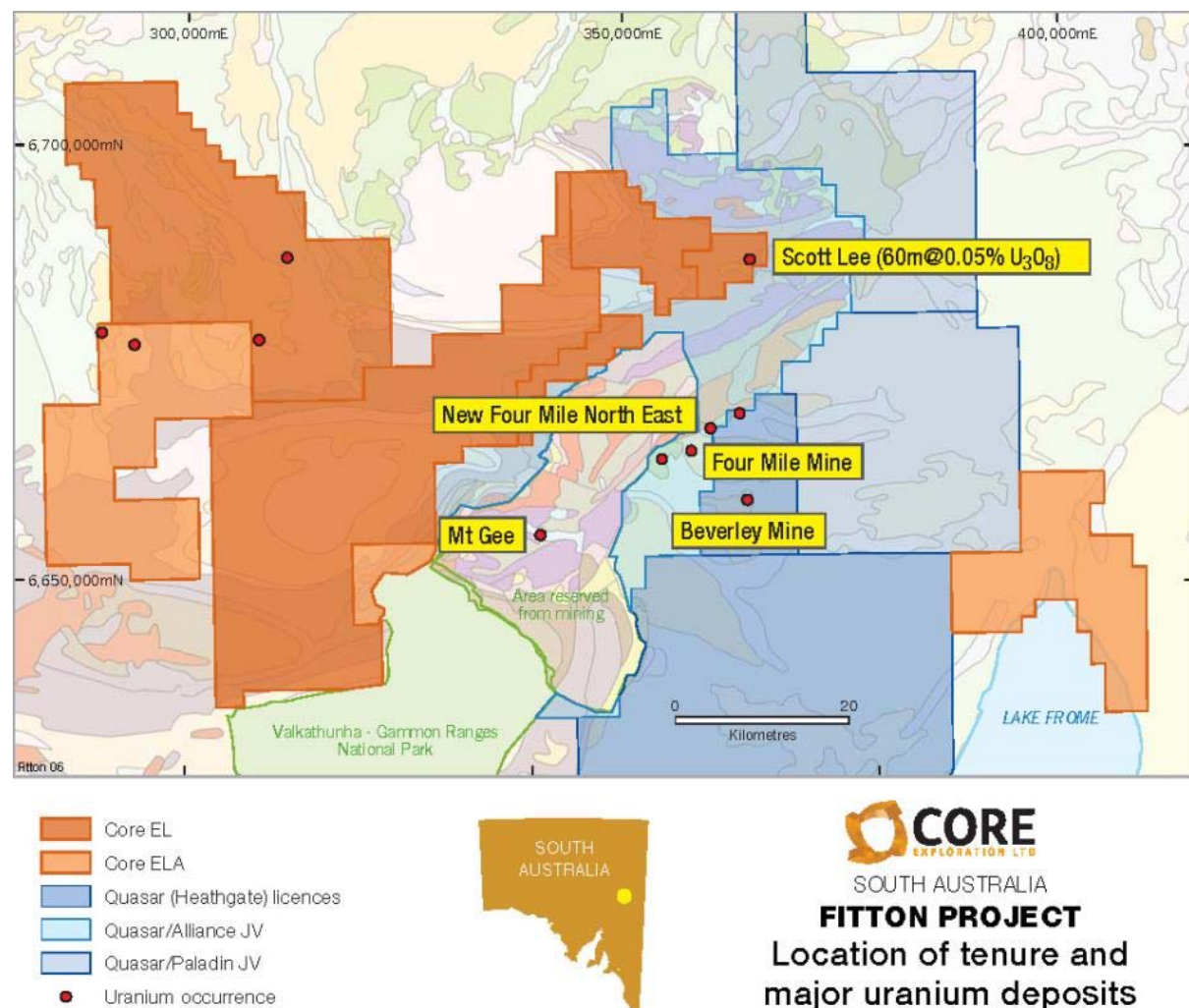


Figure 9. Fitton Project location of tenure and major uranium deposits

Northern Territory

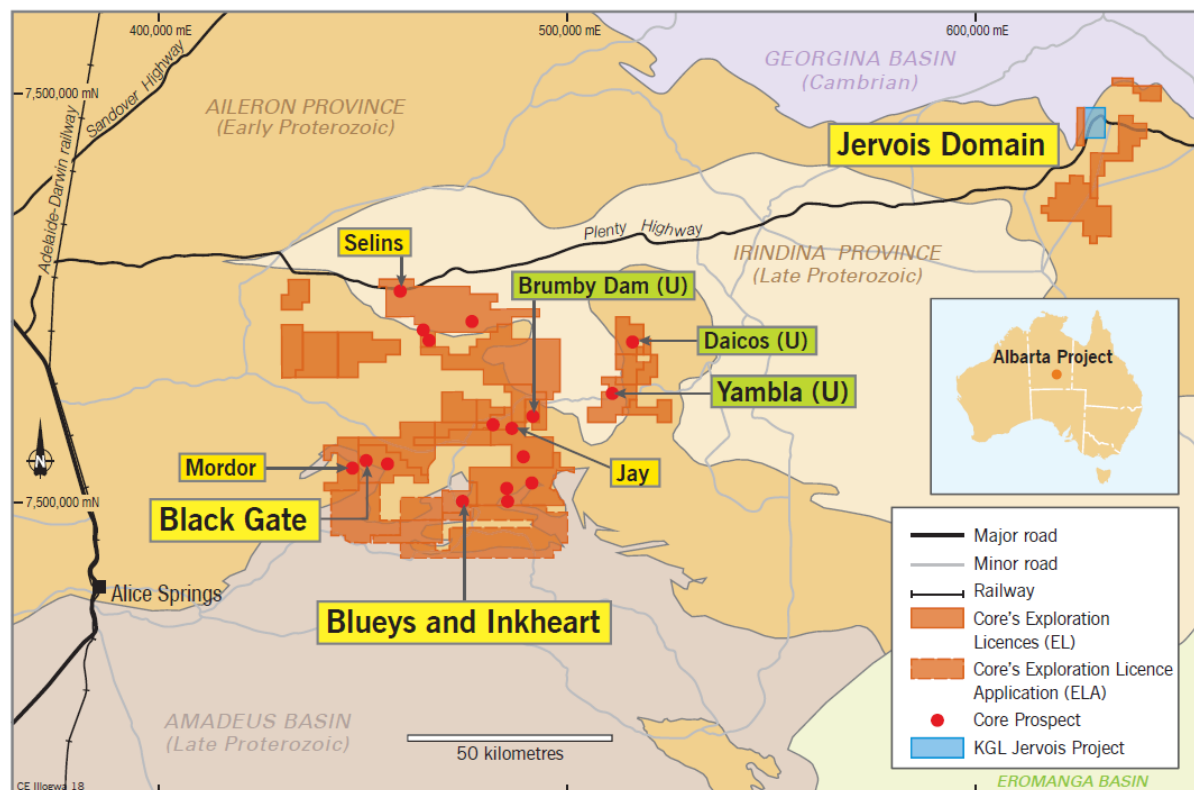


Figure 10. Core's Albarta and Jervois Domain Project, prospects and tenements overlain on regional geology, NT

Jervois Project, EL's 29579, 29580, 29581 & 29669 NT

(CXO 100%)

Core's maiden-drilling program on the Jervois Domain Project commenced in early October testing key targets within a 15km strike length of the Big-J target zone.

Core's maiden drilling program consisted of traverses of shallow RAB and RC vertical holes over prospective target zones and specific high priority geophysical targets. Specific targets A1 to G1 have been modelled on a series of sections (A-G) along the strike length of the prospective Big-J curve target zone (Figure –11 - 12).

Much of the target geology is buried under a shallow cover of sand and soil and the shallow drill traverses will enable the Company to test the large scale prospectivity of the 15km strike length of the Big-J feature.

Core is applying similar geophysical tools to those used to characterise and define the nearby Jervois copper and base-metal mineralisation by KGL Resources and Rox Resources in the same host Bonya Metamorphics geology (Figure 11).

Core and project research partner CSIRO's analysis of the Company's geophysical surveys has confirmed multiple magnetic, conductive and chargeable features at large prospect scale within the Big-J target zone. The geophysical signatures and model fits well with Sedex/VHMS model proposed for the mineralisation at Jervois by recent NTGS research.

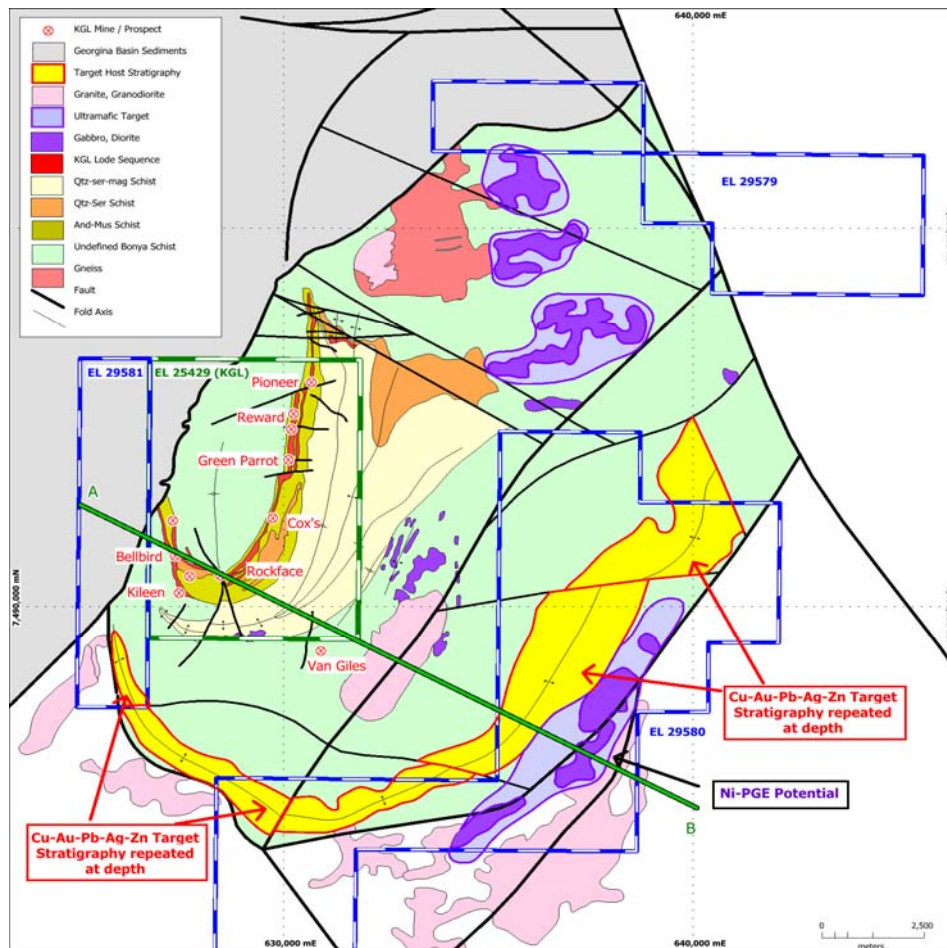


Figure 11. J-curve (KGL) and Big-J (CXO) target zone and interpreted geology, Jervois Area, NT.

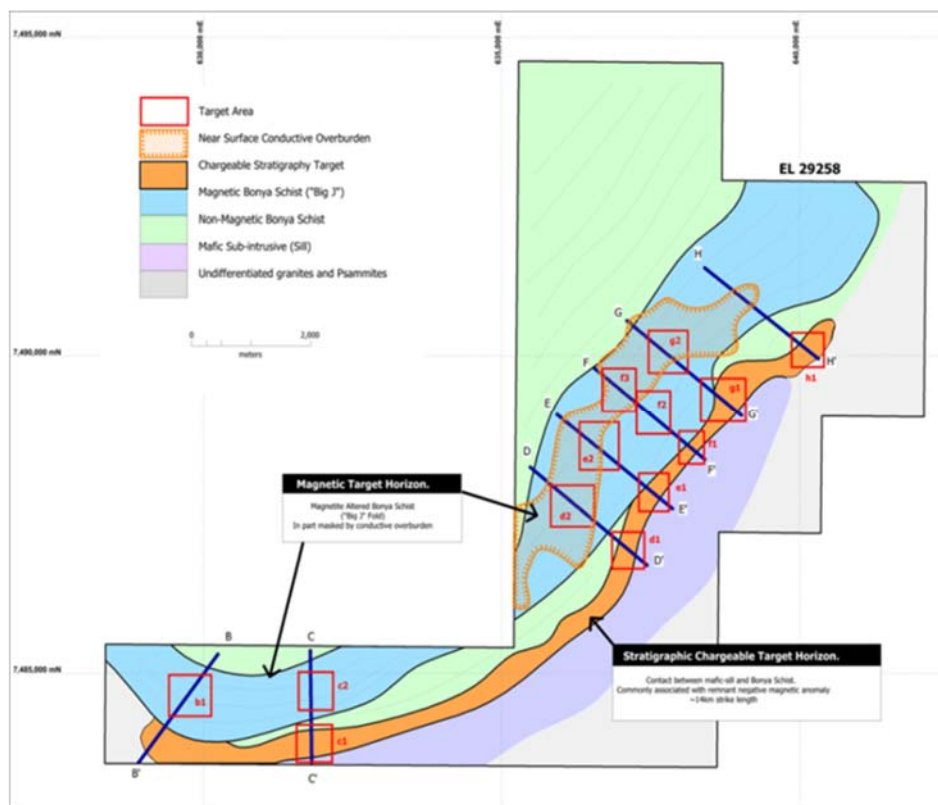


Figure 12. Big-J interpreted geology and geophysical targets, on Core's EL 29258, Jervois Domain.

Inkheart - Blueys Project, EL 28136 NT

(CXO 100% - MOU for JV)

During the Quarter Core entered into a non-binding Memorandum of Understanding (MOU) with an offshore organisation. Under the MOU the parties agree to negotiate the final terms of a Joint Venture to advance Core's Inkheart and Blueys Project in the Northern Territory.

Subject to due diligence and other conditions, the MOU outlines the key terms to negotiate a future Joint Venture between the two parties. The MOU summarises key terms by which the incoming party can earn up to an 80% interest in Core's EL 28136 by sole funding exploration expenditure within 2 years.

If the conditions contemplated by the MOU are met then it is expected that the Joint Venture would be in place toward the end of 2015.

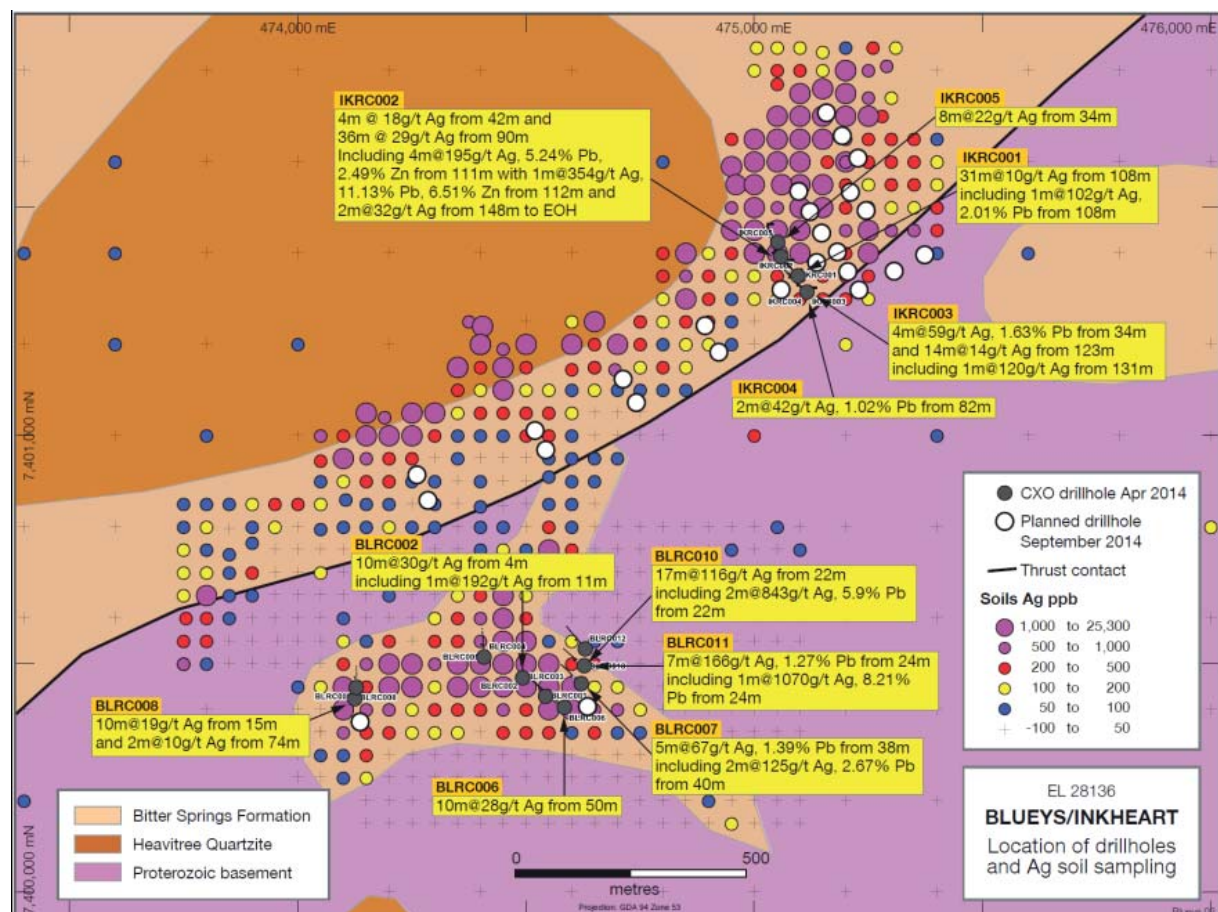


Figure 13. Phase 1 drilling results and silver in soils, Blueys and Inkheart Prospects, NT

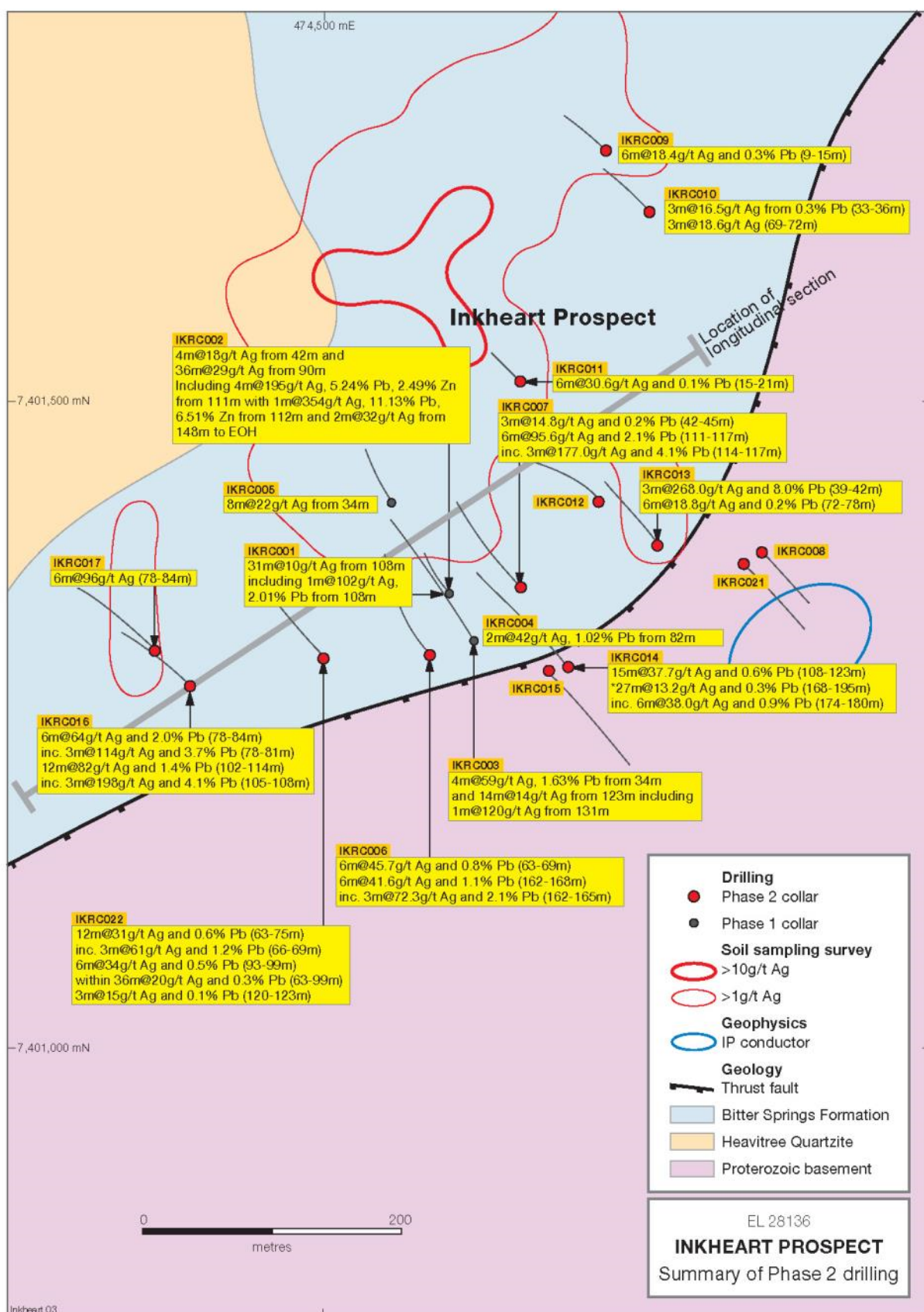


Figure 14. Phase 1 and 2 drillhole locations and significant assays overlain on geology, Inkheart Prospect, NT.

CASH POSITION

Core had \$0.65 million cash on hand at the end of the September Quarter.

Exploration and evaluation expenditure by the Company during the September 2015 Quarter was \$310,000.

CHANGE OF TENEMENT INTEREST

Northern Territory

The company acquired a new tenement during the Quarter, EL 30669 "Ross River" 55 blocks. During the Quarter four (4) tenements were surrendered; EL29687 "Laughlan", EL29688 "Ambalindum", EL29280 "Woolgathering" and EL28546 "Star Creek".

SHARE CAPITAL CHANGES

During the Quarter, the Company completed a share purchase plan at 2.5 cents per share (SPP) raising \$600,000, including underwriting, and issued 24,000,008 shares. In addition to the shares, underwriters of the SPP were issued 12,000,000 unlisted options with an exercise price of 5.00 cents and expiry of 31 August 2017. A further 178,000 shares were issued in settlement of an invoice.

On 27 October 2015 the Company announced a 1 for 4 non-renounceable Option issue whereby eligible shareholders can subscribe for options with an exercise price of \$0.05 and an expiry date of 31 August 2017. The rights issue is scheduled to close on 18 Nov 2015.

Since the end of the quarter, 800,000 employee performance rights, with various KPI based vesting criteria, lapsed and 800,000 new performance rights with an expiry of 16 October 2016 were issued with KPI based vesting criteria. A further 1,000,000 unlisted options were issued to a director following shareholder approval at the 2015 AGM. The options are subject to a share price KPI and are exercisable at 10 cents by 31 January 2017.

A summary of movements and balances of equity securities between 1 July 2015 and this report are listed below (all equity movements, except the lapse and issue of performance rights, occurred during the Quarter):

	Ordinary Shares	Unlisted options	Unlisted Performance rights
On issue at start of Quarter	150,486,287	18,400,000	3,925,000
Issue of unlisted options (SPP underwriting)	-	12,000,000	-
Share purchase plan (including underwriting)	24,000,008	-	-
Settlement of invoice	178,000	-	-
Lapse of performance rights	-	-	(800,000)
Issue of performance rights	-	-	800,000
Issue of unlisted options	-	1,000,000	-
Total securities on issue at the date of this report	174,664,295	31,400,000	3,925,000

Proposed Activities Next Quarter

South Australia

Yerelina Zinc

The diamond-drilling program at Yerelina was completed in early October. The drill core has been transported to Adelaide for core-cutting and sampling with assay results anticipated in early November.

During the December Quarter the geological model and the potential for MVT-style base metal mineralisation will be refined.

Fitton Uranium

Geological mapping and systematic surface sampling at Fitton will recommence with the aims of assessing the potential for Fitton to be related to an unconformity-style uranium system and to assist targeting for a future diamond drilling program.

Northern Territory

Jervois

The RAB/RC drilling program over the prospective Big-J zone at Jervois was completed in early October. Assay results and a refined geological model are anticipated in mid to late November.

Blueys and Inkheart Silver Project

Core will progress the potential JV with an offshore organisation to co-fund exploration including the proposed diamond drilling program at Inkheart/Blueys. Full drilling approvals are anticipated during this Quarter.

Tenement Table

Tenement number	Tenement name	Beneficial Interest at the end of the Quarter	Changes during Quarter
South Australia			
EL 4569	Fitton	100%	None
EL 4816	Horse Well	100%	None
EL 4906	Roxby Downs	100%	None
EL 5015	Yerelina	100%	None
EL 5192	Calcutta	100%	None
EL 5320	Yorke Peninsula	100%	None
EL 5375	Billy Springs	100%	None
Northern Territory			
EL27369	Mt Russell	100%	None
EL27709	Pattersons	100%	None
EL28029	White Range East	100%	None
EL28136	Blueys	100%	None
EL28546	Star Creek	0%	Surrendered 13/9/15
EL28852	Gough Dam	100%	None
EL28853	No 1 Tank	100%	None
EL28854	Mt Johnstone	100%	None
EL28940	Mordor	100%	None
EL29280	Woolgathering	0%	Surrendered 10/8/15
EL29304	Brumby Dam	100%	None
EL29347	Yambla	100%	None
EL29389	Mt George	100%	None
EL29512	Daicos	100%	None
EL29514	Mt Emma	100%	None
EL29579	Jervois	100%	None
EL29580	Jervois	100%	None
EL29581	Jervois	100%	None
EL29667	Riddoch	100%	None
EL29668	Riddoch	100%	None
EL29669	Jervois	100%	None
EL29687	Laughlen	0%	Surrendered 28/7/15
EL29688	Riddoch	0%	Surrendered 28/7/15
EL29689	Riddoch	100%	None
EL30669	Ross River	100%	Granted 10/8/15

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Stephen Biggins (BSc(Hons)Geol, MBA) as Managing Director of Core Exploration Ltd who is a member of the Australasian Institute of Mining and Metallurgy and is bound by and follows the Institute's codes and recommended practices. He has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activities being 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". Mr. Biggins consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. This report also references information previously released by KGL Resources Ltd on 21/07/2014 "Further Jervois results inc. 11.55% copper and 55.7g/t silver" and Rox Resources Ltd on 20/10/2014 "Exceptional Copper Assays From Bonya Mine Drilling".

This report also includes exploration information that was prepared and first disclosed by Core under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported. The information in all previous announcements has been compiled by Mr Stephen Biggins as the Competent Person and who provided his consent for all previous announcements. The information that was reported in announcements previously released under JORC Code 2004 are announcements dated 13/05/2012 titled Thick and High Grade Uranium Intersections, Fitton Project, SA. and 19/03/2013 titled "High Grade Lead-Zinc-Silver Assays from S.A. Project"

The report includes results that have previously been released under JORC 2012 by Core. The Company is not aware of any new information that materially affects the information included in this announcement:

07/09/2015	Core's diamond drilling underway on Yerelina Zinc Project
24/08/2015	Co-funded diamond drilling to start next week on Yerelina Zinc Project
19/08/2015	MOU signed to establish JV at Inkheart and Blueys, NT
10/08/2015	Core's Jervois Domain drilling ready to start
16/07/2015	Core funded to drill Jervois and Yerelina Projects
07/07/2015	Large lead and zinc anomaly targeted at Yerelina
03/07/2015	Significant uranium transaction bordering CXO Fitton Project

Appendix 5B

Mining exploration entity Quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

Core Exploration Ltd

ABN

80 146 287 809

Quarter ended ("current Quarter")

30 September 2015

Consolidated statement of cash flows

Cash flows related to operating activities		Current Quarter (3 Months) \$A'000	Year to date (3 Months) \$A'000
1.1	Receipts from product sales and related debtors	-	-
1.2	Payments for:		
	(a) exploration and evaluation	(310)	(310)
	(b) development	-	-
	(c) production	-	-
	(d) administration	(136)	(136)
1.3	Dividends received	-	-
1.4	Interest and other items of a similar nature received	2	2
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes received – R&D refund	-	-
1.7	Other (provide details if material)	-	-
Net Operating Cash Flows		(444)	(444)
Cash flows related to investing activities			
1.8	Payment for purchases of:		
	(a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.9	Proceeds from sale of:		
	(a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.10	Loans to other entities	-	-
1.11	Loans repaid by other entities	-	-
1.12	Other (provide details if material)	-	-
Net investing cash flows		-	-
1.13	Total operating and investing cash flows (carried forward)	(444)	(444)

1.13	Total operating and investing cash flows (brought forward)	(444)	(444)
Cash flows related to financing activities			
1.14	Proceeds from issues of shares	600	600
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material)		
	- Capital raising costs	(43)	(43)
Net financing cash flows		557	557
Net increase (decrease) in cash held		113	113
1.20	Cash at beginning of Quarter/year to date	534	534
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	Cash at end of Quarter	647	647

Payments to directors of the entity and associates of the directors

Payments to related entities of the entity and associates of the related entities

		Current Quarter
		\$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	96
1.24	Aggregate amount of loans to the parties included in item 1.10	-
1.25	Explanation necessary for an understanding of the transactions	

The amount above includes all payments to Directors and also includes payments to entities associated with Greg English, Stephen Biggins and Heath Hellewell. The payments relate to executive services and directors fees on commercial terms.

Non-cash financing and investing activities

- 2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows.

n/a

- 2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest.

n/a

Financing facilities available

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities	Nil	Nil
3.2 Credit standby arrangements	Nil	Nil

Estimated cash outflows for next Quarter

	\$A'000
4.1 Exploration and evaluation	400
4.2 Development	-
4.3 Production	-
4.4 Administration	150
Total	550

Reconciliation of cash

Reconciliation of cash at the end of the Quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

	Current Quarter \$A'000	Previous Quarter \$A'000
5.1 Cash on hand and at bank	447	494
5.2 Deposits at call	200	40
5.3 Bank overdraft	-	-
5.4 Other (provide details)	-	-
Total: Cash at end of Quarter (item 1.22)	647	534

Changes in interests in mining tenements

	Tenement reference	Nature of interest (note (2))	Interest at beginning of Quarter	Interest at end of Quarter
6.1 Interests in mining tenements relinquished, reduced or lapsed	EL29687 EL29688 EL29280 EL28546	Beneficially held Beneficially held Beneficially held Beneficially held	100% 100% 100% 100%	0% 0% 0% 0%
6.2 Interests in mining tenements acquired or increased	EL30669	Beneficially held	0%	100%

Issued and quoted securities at end of current Quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

	Total number	Number quoted	Issue price per security (cents)	Amount paid up per security (cents)
7.1 Preference⁺ securities (description)				
7.2 Changes during Quarter				
7.3 + Ordinary securities (CXO)	174,664,295	174,664,295		
7.4 Changes during Quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs	24,178,008	24,178,008	2.5 cents	2.5 cents
7.5 + Convertible debt securities (description)				
7.6 Changes during Quarter				
7.7 Options (description and conversion factor)			Exercise price	Expiry date
Unlisted options				
Unlisted Options (CXOAQ)	200,000	-	7.50	31 Oct 2015
Unlisted Options (CXOAQ)	1,000,000	-	10.00	31 Oct 2015
Unlisted Options (CXOAR)	200,000	-	8.50	16 Oct 2016
Unlisted Options (CXOAS)	15,000,000	-	10.00	31 Jan 2016
Unlisted Options (CXOAT)	1,000,000	-	5.00	30 Sep 2016
Unlisted Options (CXOAT)	1,000,000	-	7.50	30 Sep 2016
Unlisted Options (CXOAU)	12,000,000	-	5.00	31 Aug 2017
Total unlisted options	30,400,000	-		
Total unlisted performance rights (CXOAK)	3,925,000	-		Various
7.8 Issued during Quarter – unlisted options Unlisted Options (CXOAU)	12,000,000	-	5.00	31 Aug 2017
7.9 Exercised during Quarter				
7.10 Expired during Quarter				
7.11 Debentures (totals only)				
7.12 Unsecured notes (totals only)				

Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.



Jaroslaw (Jarek) Kopias

Date: 30 October 2015

Company Secretary

Notes

- 1 The Quarterly report provides a basis for informing the market how the entity's activities have been financed for the past Quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting Period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.

3 Issued and quoted securities

The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.

- 4 The definitions in, and provisions of, *AASB 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.

5 Accounting Standards

ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

== == == == ==