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24 October 2019

Company Announcements Office  
ASX Limited

**QUARTERLY ACTIVITIES REPORT**  
**FOR THE PERIOD ENDED 30 SEPTEMBER 2019**

During the quarter, Santa Fe Minerals Ltd (“**Santa Fe**”, “**SFM**” or “**the Company**”) continued the systematic re-evaluation of the Challa Project exploration potential with respect to gold and copper/zinc mineralisation.

The Company is pleased to report that prospects were significantly advanced at Yalanga Bore (Copper/Zinc) and Rosemary/Ann & N6 (Copper/Zinc) where Electro Magnetic (EM) surveys successfully identified multiple conductors for drill testing.

Gold targets at Windsor/Pioneer and Outcamp Well were further refined during the quarter and a maiden Aircore drilling program commenced on 21 October 2019.

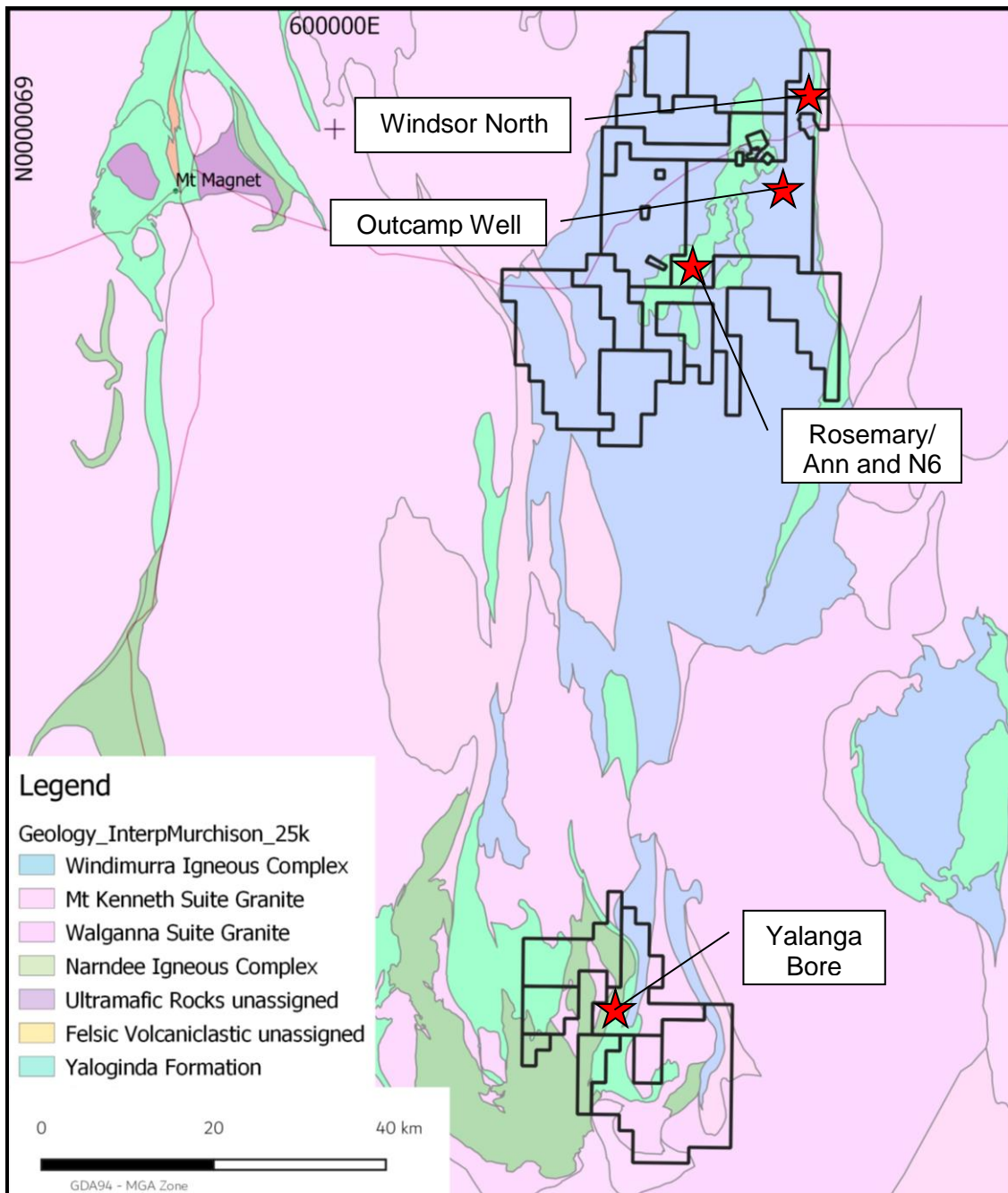


Figure 1 - Challa Project Area

### Yalanga Bore - Copper/Zinc

Yalanga Bore was explored by Duval Mining (Australia) Limited (“Duval”) in 1983-1984. The Duval work is documented in WAMEX report A15951 and comprised geological mapping, surface sampling, ground magnetics, a low powered electromagnetic system (EM37) and drilling. Drilling comprised 68 shallow RAB holes (2,224m), 4 percussion holes (370m), 4 rotary mud holes (153m) and one diamond tail (140m). The Company has located the diamond hole collar YBD1 and percussion holes (YBP69-YBP74) in the field however there are no corresponding samples available.

Duval did not report the sampling and assay methods but did provide limited drill assay data showing a steeply dipping zone of elevated copper ranging from 500ppm to 7,950ppm and Zinc ranging from 1,000ppm to 6,850ppm. This zone was logged as gossan by the Duval geologists.

One diamond drill hole (YBD1) was completed below the gossan zone with the geological logs noting disseminated to semi massive pyrite, pyrrhotite, chalcopyrite and sphalerite. The diamond core is not available and was only selectively sampled by Duval with narrow moderately anomalous zinc and copper reported.

The Company believes the copper and zinc results reported by Duval may indicate the presence of a VMS copper-zinc deposit at depth below the weathered zone. The mineralization is open along strike and at depth. During the quarter, the Company completed a MLEM survey at Yalanga Bore that has successfully defined a strong conductor north of the zinc and copper mineralisation intersected in the historic Duval percussion and diamond drilling (Figure 2). The modelled conductor plate is shallow (100m) and immediately adjacent to the drilling but has not been effectively tested by the previous drilling.

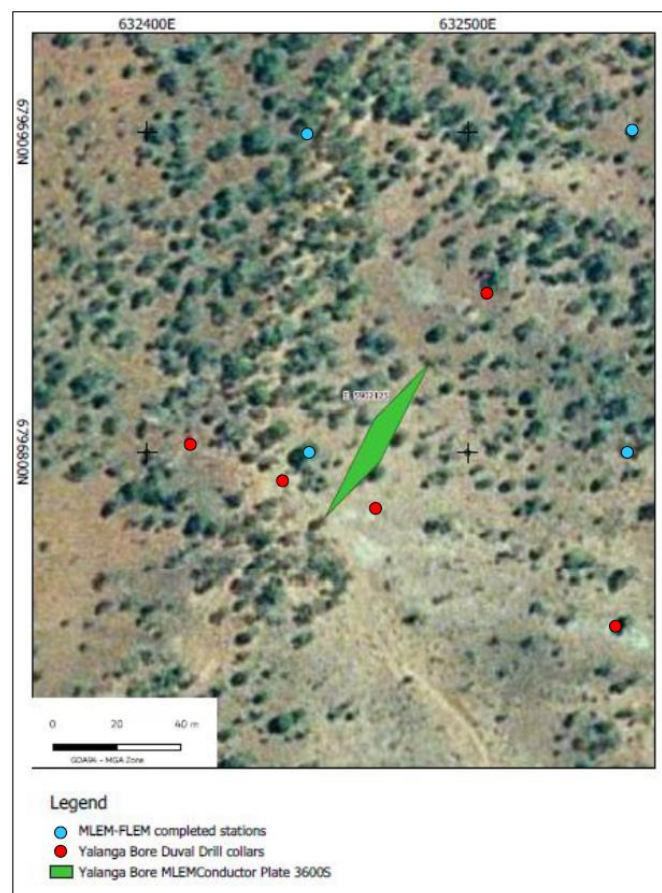


Figure 2 - Yalanga Bore MLEM modelled plate and historic drill collars

Reverse Circulation (RC) drilling is planned to test the Yalanga Bore conductor in late November 2019.

### Rosemary/Ann & N6 - Copper Zinc

CRA Exploration Pty Ltd (CRAE) explored the Rosemary/Ann prospect in 1983 (WAMEX report A13821). They completed geological mapping, rock chip sampling, ground magnetics and a low powered ground electromagnetic survey. The CRAE rock chip ledger records assay results of up to 1,850ppm Cu and 5,400ppm Zn over 500m. No drilling is reported from these prospects. The Company collected two rock chips at the Rosemary prospect which returned 792ppm Zn, 536ppm Cu and 550ppm Zn, 364ppm Cu respectively.

In 2008 Maximus Resources Limited (“**Maximus**”) completed a regional broad spaced, 400m line, Airborne EM (AEM) survey over an area that included the Rosemary/Ann prospect. This work located the N6 conductor about 1.5km to the south of the Rosemary/Ann prospects (WAMEX open file report A81908). The N6 conductor is described as a discrete mid-time conductor evident as peaks on 5 of the 100m spaced infill lines. No follow-up groundwork was reported by Maximus. The Company believes the Rosemary / Ann prospect together with the N6 AEM conductor 1.5km to the south may indicate a VMS system at depth.

During the quarter, the Company completed a MLEM survey over the Rosemary/Ann prospect and a FLEM survey over the N6 airborne EM conductor. Four conductors were located at the N6 anomaly (Figure 3). No conductors were located at the Rosemary Ann prospect. The four conductors at N6 are shallow dipping and range from strong to moderate intensity. The top of the modelled conductors’ range in depth is from 50-100m.

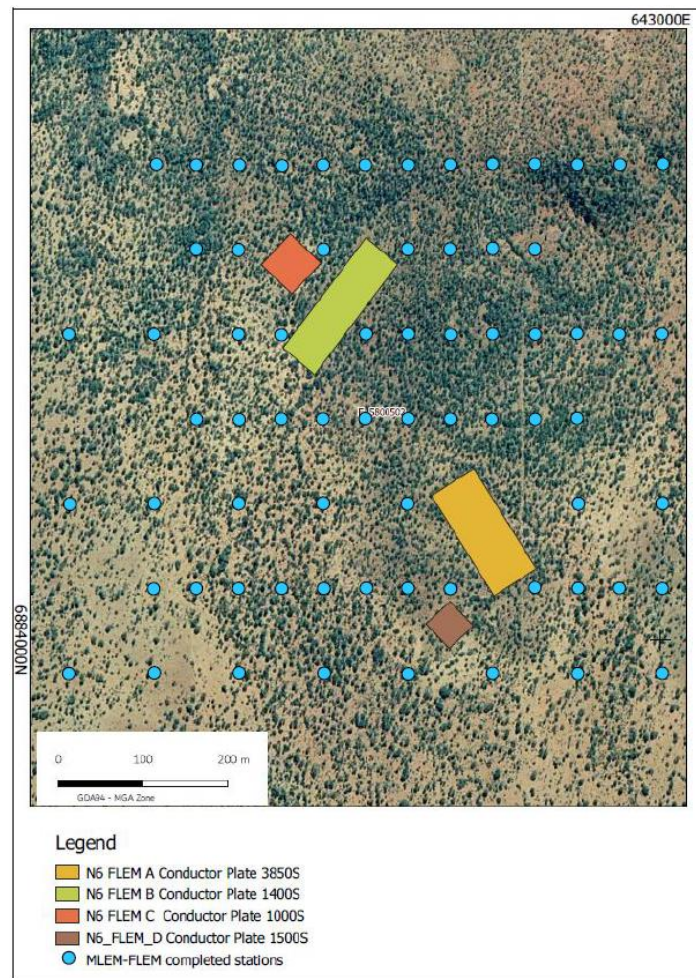


Figure 3 - Rosemary/Ann Rock Chip results - Copper

Reverse Circulation (RC) drilling is planned to test the N6 conductors in late November 2019.

### Windsor North Gold Target (100% SFM) - Challa North

The structures that host the Windsor (excised) and Pioneer gold prospects located in the north eastern side of the Challa project, are interpreted to be part of the Wyemadoo shear which extends for 30km north south within the Company’s tenure (Figures 2 and 3). Apart from small

areas of outcrop at the Windsor and Pioneer gold prospects, the shear is concealed beneath shallow sheet-wash cover and thus was not available to historic gold prospecting and surface geochemical methods.

One line of 23 x 50m spaced angled AC drill holes is planned to be completed across the shear to test for gold mineralization beneath the transported cover. Drilling commenced on 21 October 2019.

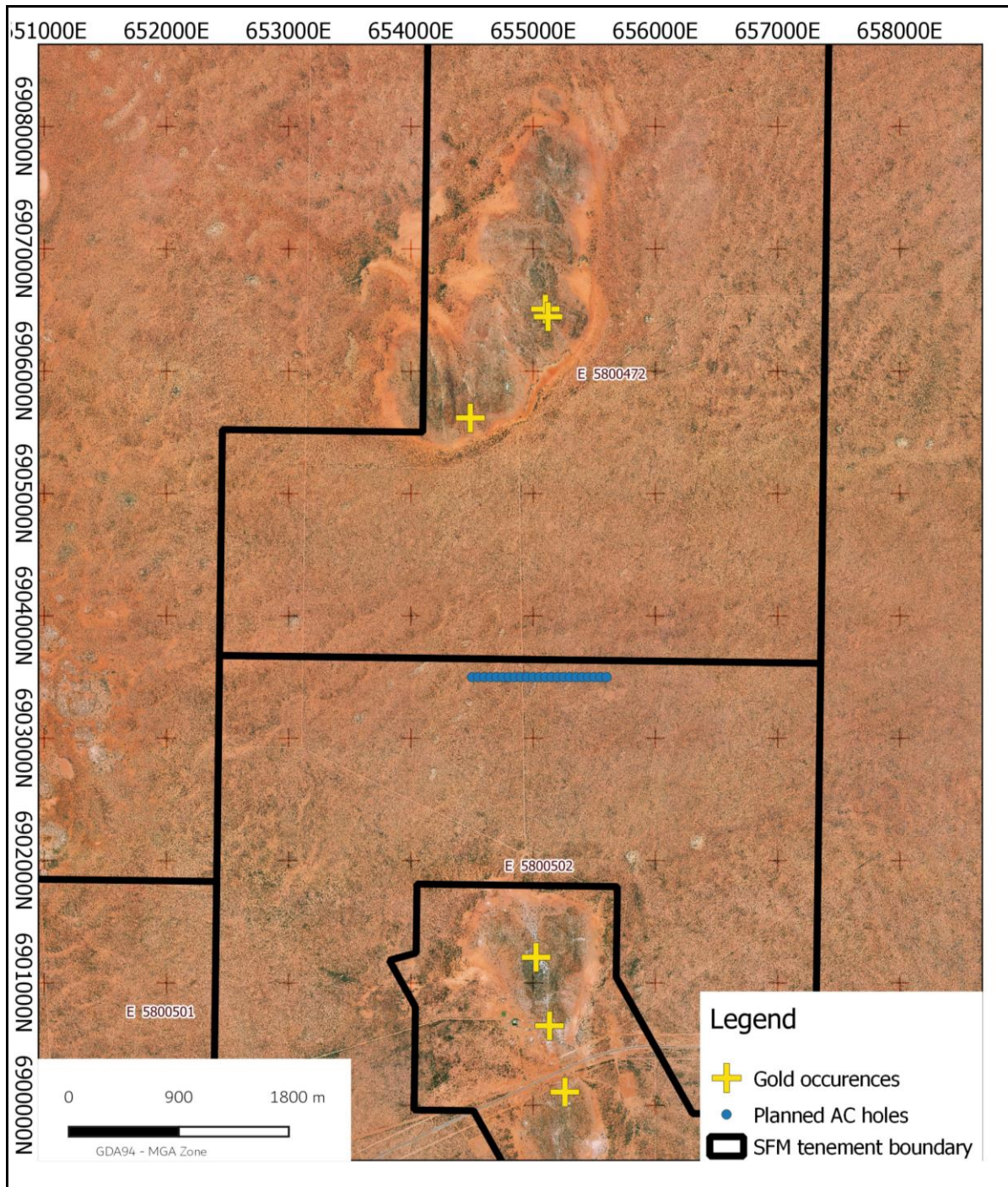


Figure 4 - Windsor North Gold Target showing planned Aircore (AC) drill hole locations over satellite image

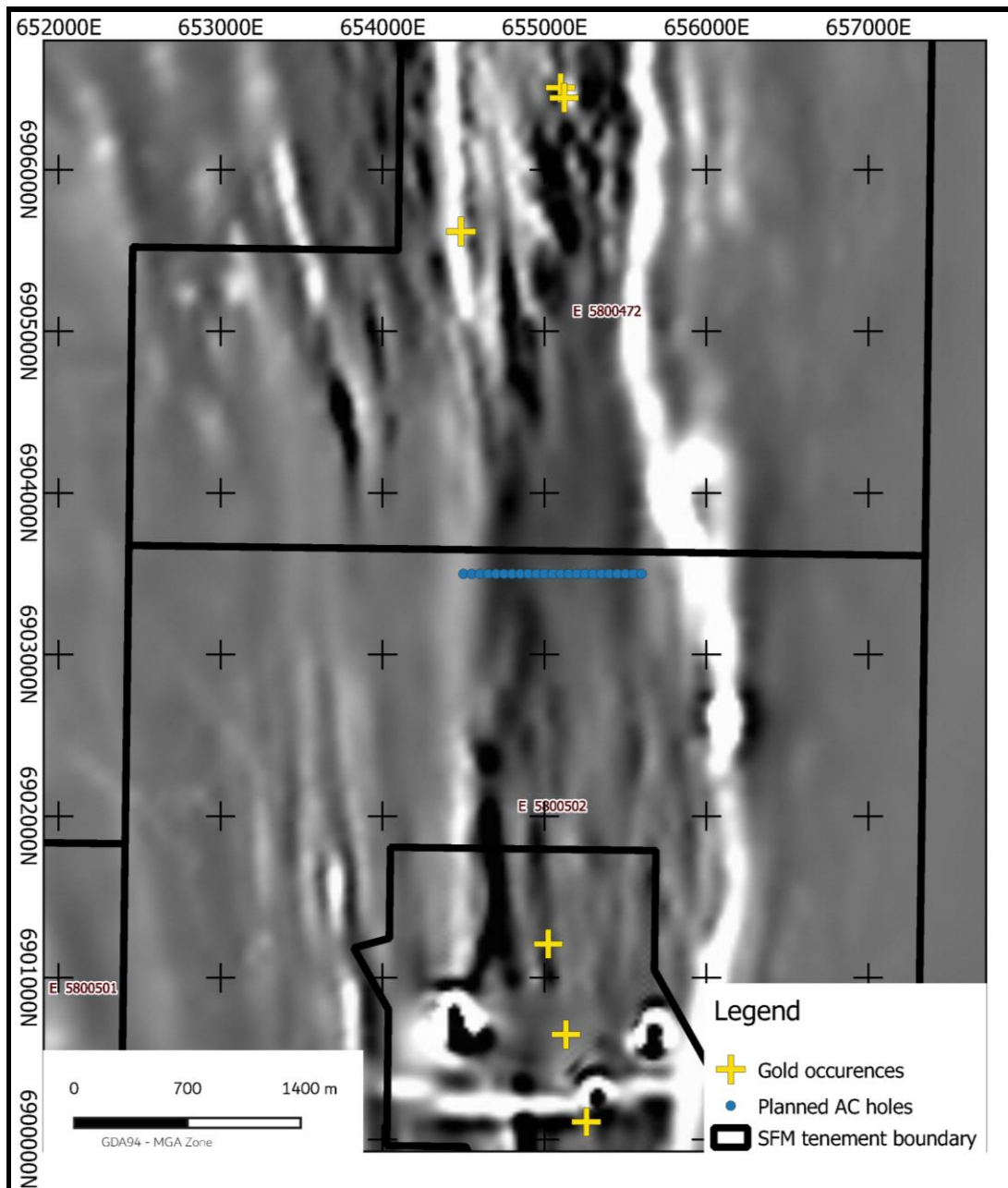


Figure 5 - Windsor North Gold Target with planned AC drill hole collars over magnetics

### Outcamp Well Gold Target (100% SFM) - Challa North

The Outcamp Well gold target is located from 6km to 16km south-south-west of the Windsor North gold target. The Outcamp Well target is completely concealed beneath sheet wash cover. It is an 11km long x maximum 2.5km wide lozenge shaped area of low magnetic relief situated between the Wyemandoo Shear to the east and the Windimurra Igneous Complex to the west.

In 2006, Maximus drilled two lines of Aircore holes. One to the west of the Out-Camp Well target for no significant result. The second line 5km further south at the southern end of the SFM Out-Camp Well target area returned a best result of 143ppb Au. This appears to be along strike from the proposed drilling.

One line of 26 x 100m space AC drill holes is planned to test this area for shear and or stock work hosted gold mineralization. Drilling will commence at Outcamp Well in the coming days.

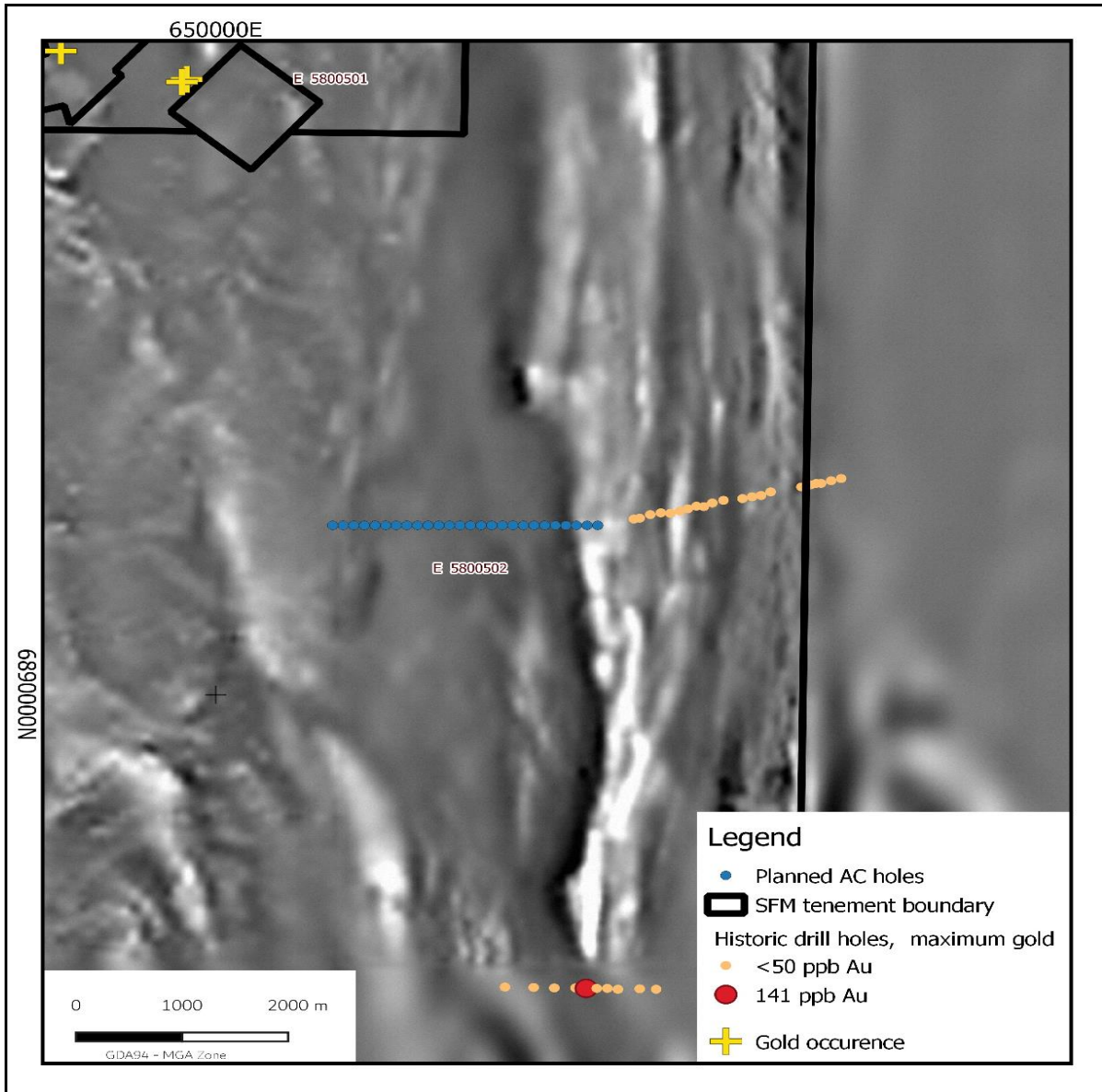


Figure 6: Outcamp Well Gold Target with planned AC drill hole collars and previous drilling

This current drilling program is expected to be completed near the end of October 2019, with assay results anticipated in early December 2019. Subject to positive results, further drilling will be required.

## **Financial Position/Corporate**

As at 30 September 2019, the Company had a balance of \$5,176,671 in liquid assets comprising of \$4,431,649 of cash and shares held in listed entities with a market value of \$745,022.

At the date of this release, the Company had a balance of \$5,071,545 in liquid assets comprising of \$4,257,301 in cash and \$814,244 worth of shares in listed entities.

The Company also continues to assess other potential exploration/development projects in the resources sector.

**Doug Rose**  
Managing Director  
+61 409 465 511

## **COMPLIANCE STATEMENT**

*The information in this report that relates to Exploration Results is based on information compiled by Mr. Reginald Beaton who is a Member of the Australian Institute of Geoscientists. Mr. Beaton is an employee of Santa Fe Minerals Limited and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Beaton consents to the inclusion in the report of the matters based on the information compiled by him, in the form and context in which it appears. All technical information in this report has previously been released to ASX, see the following announcements: 21 October 2019 - "Aircore Drilling Commences at Challa Gold Targets"; 16 September, 2019 - "Strong Electromagnetic Conductors Identified at Challa". The Company is not aware of any new information or data that materially affects the information included in the above.*



**Schedule 1: Interests in Mining Tenements at the end of the quarter as required under ASX Listing Rule 5.3.3**

<b>Tenement</b>	<b>Holder<sup>1</sup></b>	<b>Interest</b>	<b>Location</b>	<b>Status</b>
<b>E58/472</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/500</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/501</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/502</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/503</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/504</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/511</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E59/2124</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E59/2125</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E58/485</b>	Challa Resources Pty Ltd	100%	Western Australia	Granted
<b>E59/2257</b>	Challa Minerals Pty Ltd	100%	Western Australia	Granted
<b>E59/2259</b>	Challa Minerals Pty Ltd	100%	Western Australia	Granted

<sup>1</sup>Challa Resources Pty Ltd and Challa Minerals Pty Ltd are wholly owned subsidiaries of Santa Fe Minerals Limited.

## Appendix 5B

# Mining exploration entity and oil and gas exploration entity quarterly report

Introduced 01/07/96 Origin Appendix 8 Amended 01/07/97, 01/07/98, 30/09/01, 01/06/10, 17/12/10, 01/05/13, 01/09/16

### Name of entity

Santa Fe Minerals Ltd

### ABN

59 151 155 734

### Quarter ended ("current quarter")

30 September 2019

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (3 months) \$A'000
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(158)	(158)
(b) development	-	-
(c) production	-	-
(d) staff costs	(60)	(60)
(e) administration and corporate costs	(94)	(94)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	23	23
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Research and development refunds	-	-
1.8 Other (GST paid to be recouped)	(11)	(11)
1.8 Other (Payment of security bond)	-	-
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(300)</b>	<b>(300)</b>

<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire:		
(a) property, plant and equipment	(1)	(1)
(b) tenements (see item 10)	-	-
(c) investments	(744)	(744)

## Mining exploration entity and oil and gas exploration entity quarterly report

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (3 months) \$A'000</b>
	(d) other non-current assets	-	-
2.2	Proceeds from the disposal of:		
	(a) property, plant and equipment	-	-
	(b) tenements (see item 10)	-	-
	(c) investments	702	702
	(d) other financial assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>(43)</b>	<b>(43)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of shares	-	-
3.2	Proceeds from issue of convertible notes	-	-
3.3	Proceeds from exercise of share options	-	-
3.4	Transaction costs related to issues of shares, convertible notes or options	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (capital return to shareholders)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>-</b>	<b>-</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	4,775	4,775
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(300)	(300)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(43)	(43)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (3 months) \$A'000</b>
4.5	Effect of movement in exchange rates on cash held	-	-
<b>4.6</b>	<b>Cash and cash equivalents at end of period</b>	4,432	4,432

<b>5.</b>	<b>Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$A'000</b>	<b>Previous quarter \$A'000</b>
5.1	Bank balances	572	938
5.2	Term deposits	3,860	3,837
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
<b>5.5</b>	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>4,432</b>	<b>4,775</b>

**6. Payments to directors of the entity and their associates**

**Current quarter  
\$A'000**

- 6.1 Aggregate amount of payments to these parties included in item 1.2
- 6.2 Aggregate amount of cash flow from loans to these parties included in item 2.3
- 6.3 Include below any explanation necessary to understand the transactions included in items 6.1 and 6.2

60

-

Director fees and superannuation.

**7. Payments to related entities of the entity and their associates**

**Current quarter  
\$A'000**

- 7.1 Aggregate amount of payments to these parties included in item 1.2
- 7.2 Aggregate amount of cash flow from loans to these parties included in item 2.3
- 7.3 Include below any explanation necessary to understand the transactions included in items 7.1 and 7.2

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N/A

## Mining exploration entity and oil and gas exploration entity quarterly report

<b>8. Financing facilities available</b> <i>Add notes as necessary for an understanding of the position</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
8.1 Loan facilities	-	-
8.2 Credit standby arrangements	-	-
8.3 Other (please specify)	-	-
8.4 Include below a description of each facility above, including the lender, interest rate and whether it is secured or unsecured. If any additional facilities have been entered into or are proposed to be entered into after quarter end, include details of those facilities as well.		

N/A	
<b>9. Estimated cash outflows for next quarter</b>	<b>\$A'000</b>
9.1 Exploration and evaluation	295
9.2 Development	-
9.3 Production	-
9.4 Staff costs	60
9.5 Administration and corporate costs	50
9.6 Other (provide details if material)	-
<b>9.7 Total estimated cash outflows</b>	<b>405</b>

<b>10. Changes in tenements (items 2.1(b) and 2.2(b) above)</b>	<b>Tenement reference and location</b>	<b>Nature of interest</b>	<b>Interest at beginning of quarter</b>	<b>Interest at end of quarter</b>
10.1 Interests in mining tenements and petroleum tenements lapsed, relinquished or reduced	Nil			
10.2 Interests in mining tenements and petroleum tenements acquired or increased	Nil			

### **Compliance statement**

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.



Print name: Doug Rose  
(Managing Director)

Date: 24 October 2019

### **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 that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
2. If this quarterly report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.