

# QUARTERLY ACTIVITIES REPORT

FOR PERIOD ENDED 30 JUNE 2021

## HIGHLIGHTS:

- Comprehensive data review and targeting study on Big Springs completed, with the identification of 18 high-priority near mine targets and 41 high-potential district targets.
- Expected grant of expanded Plan of Operation (POO) next year enables 19 of the High-Potential District Targets (HPDTs) identified from the targeting study to be actively explored. Biology and cultural surveys commenced as part of process to apply for expanded POO.
- Geological mapping and soil sampling programs for 2021 have commenced at Big Springs to target sharper delineation of surface expressions of gold mineralisation.
- Over 8,000 soil samples planned to be collected from an area of approximately 15km<sup>2</sup> testing key target zones at Mac Ridge North, Jacks Creek and Golden Dome – approximately half of the samples have been completed. Surface mapping set to be progressed at Crusher Zone North, South Sammy South and Mac Ridge North, with gold mineralisation related structures the key focus. Integration of the results enables further refinement of drill targeting for coming exploration campaigns.
- Application for extensive drilling programs to test new targets outside of existing mineralisation envelop was submitted and expected to be received in the coming weeks. Drilling program is expected to be commenced late September.
- Cash of A\$7.4 million and zero debt (excluding usual creditor balances) at 30 June 2021; comfortably funded for planned 2021 exploration programs at Big Springs.

Anova Metals Limited (ASX: AWW) (**Anova** or the **Company**) provides its quarterly activities report for the quarter ended 30 June 2021.

**Commenting on the activities of the quarter, Anova Managing Director, Mingyan Wang, said:**

*"The completed comprehensive targeting study is the culmination of an extensive data review involving substantial and highly integrated geochemical, geophysical and geological analyses, and has delivered us a pipeline of promising targets including 18 in high priority. We have been able to utilise the results of this targeting study to design exploration programs for the 2021 field season targeted at demonstrating the potential size of resource endowment, such as structural mapping, soil sampling, IP surveys, and drilling program to actively test the new targets. We have been systematic in our target generation and ranking, and we will now be systematic in our testing of these opportunities. Planned exploration activities at Big Springs have commenced and we look forward to reporting to shareholders on our progress in delivering, and the key outcomes from, the extensive programs."*

## Big Springs Gold Project, Nevada, USA

### Comprehensive Targeting Study

Comprehensive targeting study to identify areas with great potential and guiding exploration programs in future was completed during the quarter. Large historical data set was applied for the comprehensive targeting study, which include 2,513 drill holes, 955 rock chip samples, 12,018 soil samples, and geophysics surveys completed by Anova in 2020 (Figure 1). Dr. Steve Garwin, one of the world's leading authorities on Carlin-style gold mineralisation, led the Big Springs data review and targeting study. Dr Garwin's previous roles include Chief Geologist, Newmont Mining (NYSE: NEM) in Nevada and Technical Director, Battle Mountain Gold (TSX-V: BMG).

The style of gold mineralisation at Big Springs shares similarities to the nearby Jerritt Canyon gold operation and the world-class gold mines of the Carlin-, Cortez- and Getchell-Trends in Nevada. Gold mineralisation at Sammy's Area, Mac Ridge, Beadles Creek and Dorsey Creek predominantly occur either along the NNE structure and intersected by ENE to WNW striking faults. Unit D, a silty dolomites, is the dominant gold mineralisation hosting rock. It can be highly fractured and sheared. Felsic dyke is mineralised at Dorsey Creek. Hanson Creek Formation is the hosting unit at Jerritt Canyon. Geophysical analysis of South Sammy, Mac Ridge, Beadles Creek demonstrates that mineralisation occurs close to gravity highs.

In accordance with criteria above, the Big Springs targeting study has led to the identification of 18 high-priority near mine targets and 41 high-potential district targets (Figure 2 and 3). Details of the targeting study can be referred to ASX release dated 27 May 2021.

### Near mine targets

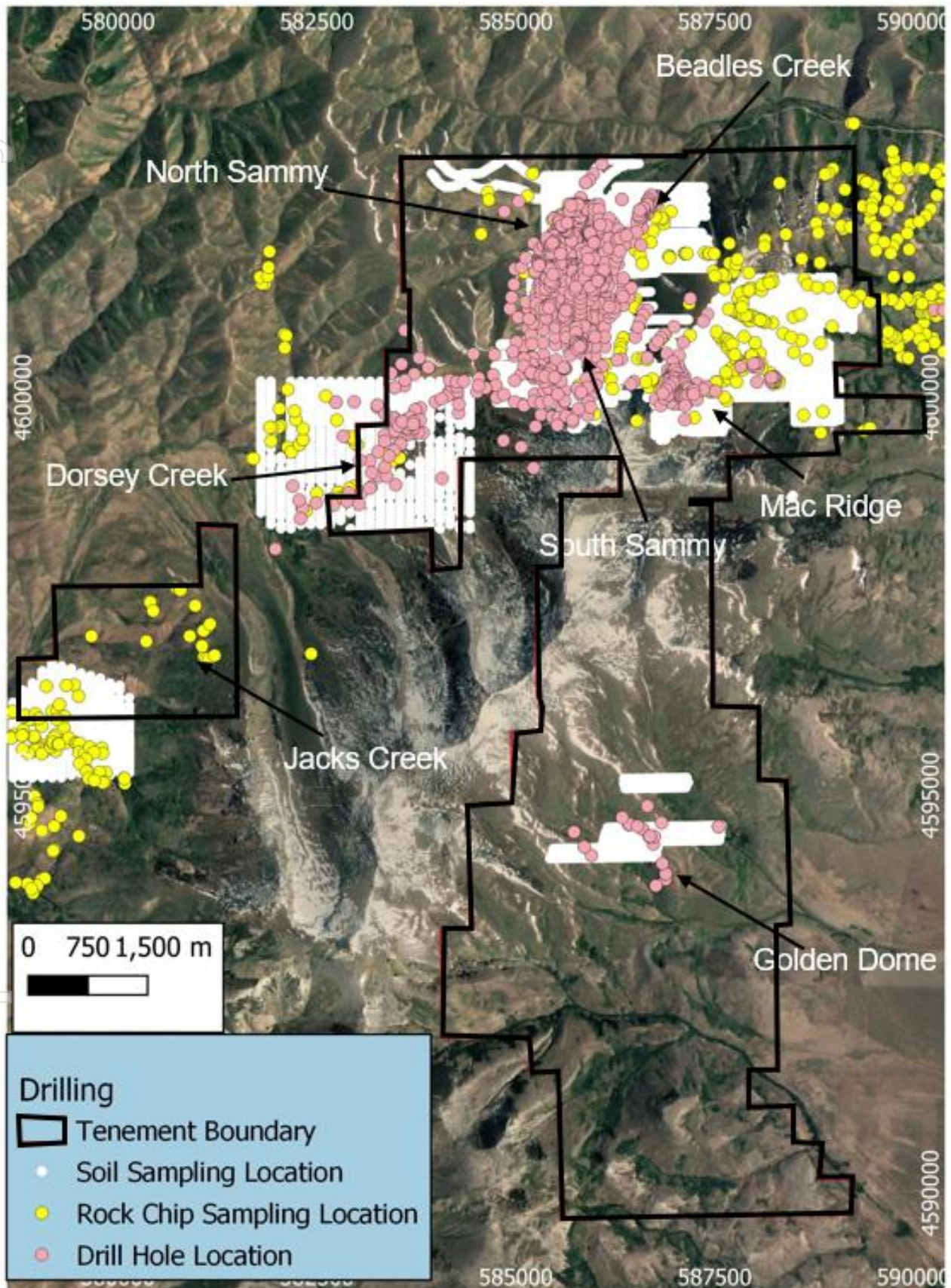
Eighteen near-mine targets show potential to expand existing gold resources and delineate ore shoots with >5g/t Au and zones of structural intersection. Twelve targets are to test the deep extension of the high-grade shoots at North Sammy, four are to expand mineralisation at South Sammy, and two at Beadles Creek follow up historical drill holes. Nine of the near mine targets will be tested during 2021 drilling program, including seven from North Sammy and two from Beadles Creek (Figure 2).

### District targets

District targets are identified areas of anomalous gravity results and favourable geology for carlin style mineralisation. The criteria for selecting district targets included a favourable broad scale gravity signature, structural pathway-fault complexity and host rock reactivity. Other information such as surface geochemical results and magnetic- and hyperspectral-imagery support the targets identified.

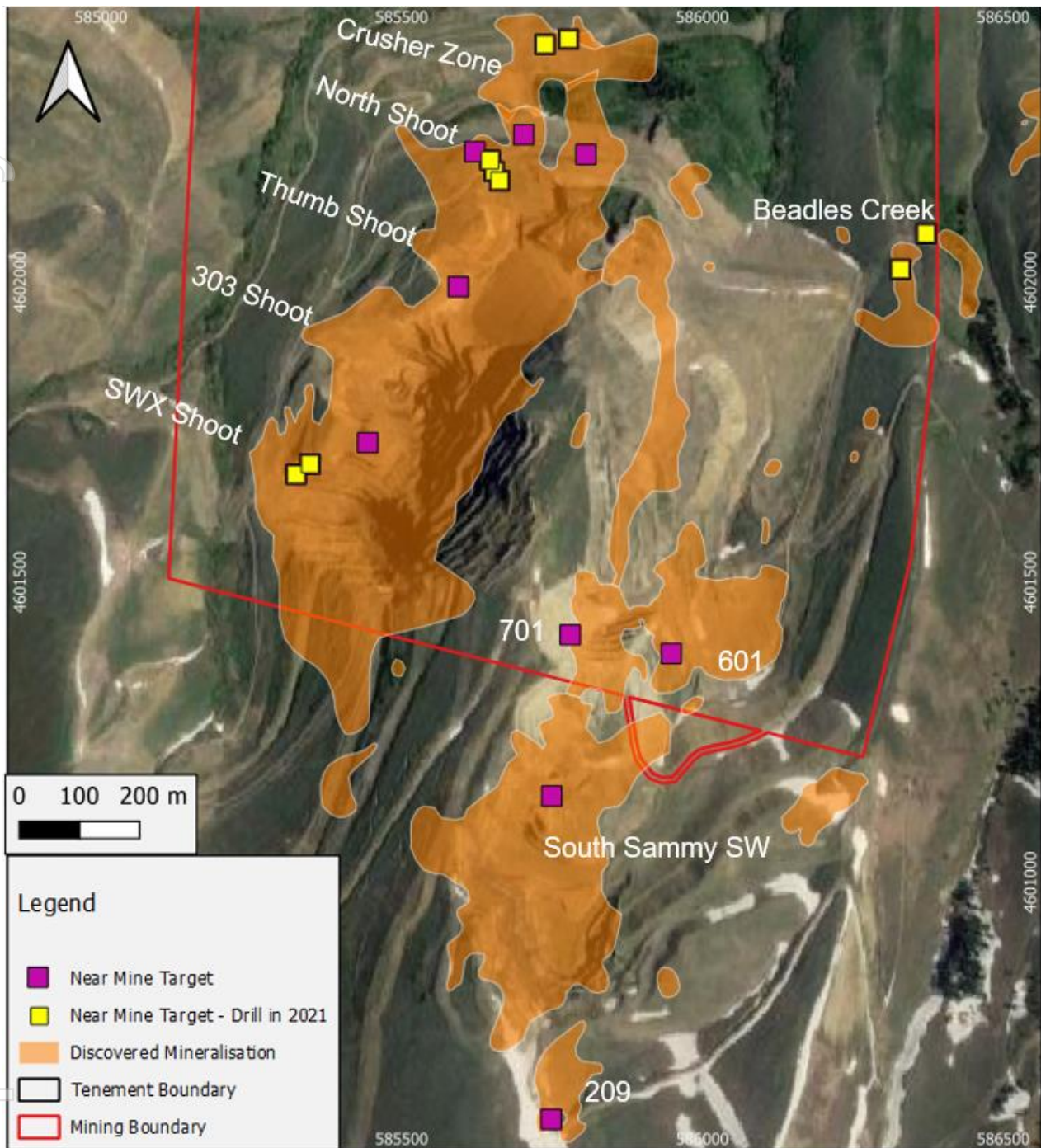
Of the forty-one district targets, nineteen of the most compelling were highly recommended by Anova's consultants for subsequent surface exploration and drilling activities (Figure 3). Four of them within the mining permitted area will be tested by Anova's RC drilling program this year. Soil sampling, mapping, and geophysics survey are planned on other targets.



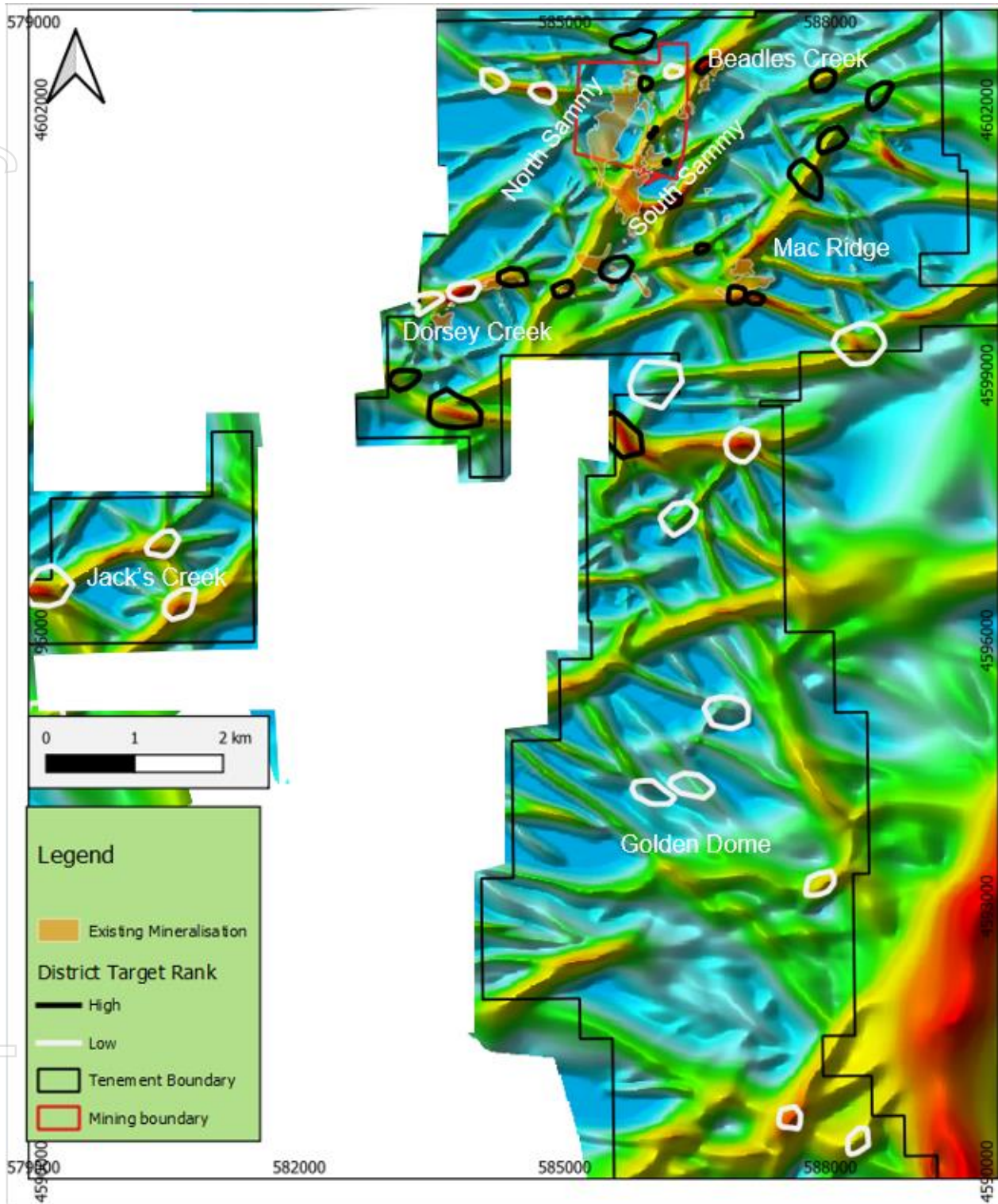


**Figure 1: Database for Comprehensive Review.**





**Figure 2: Eighteen near mine targets identified and nine of them will be tested in 2021 drilling program.**



**Figure 3: Gravity imaging identifies forty-one district targets with nineteen ranked as high priority. Four targets within the mining permitted area will be tested by the 2021 drilling program**

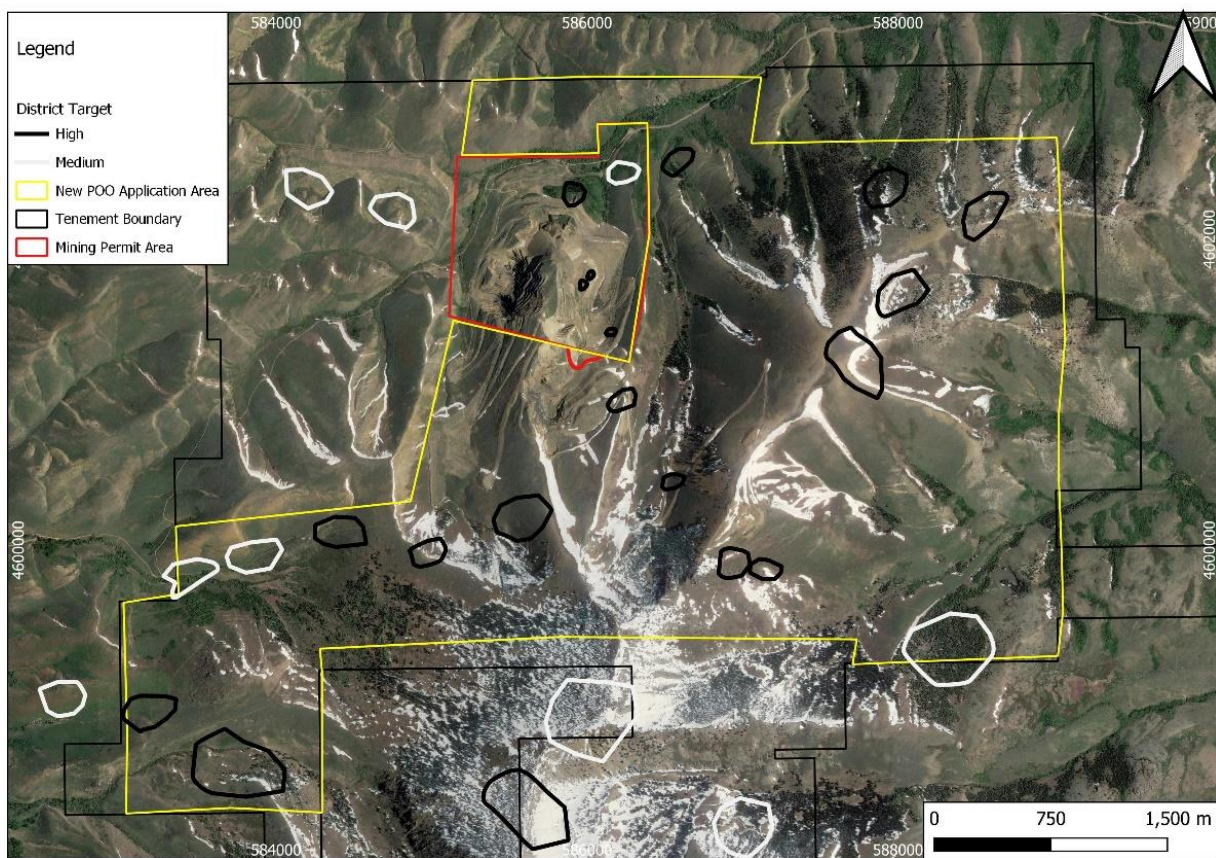


## Exploration Program in 2021

### Expanded Plan of Operation

The expanded Plan of Operation (**POO**) application is set to cover an area of more than 3,600 ha and encompass all 19 of the High Potential District Targets identified from the comprehensive targeting study (Figure 4). Grant of the expanded POO will deliver Anova the ability to actively explore all of these targets as part of its future exploration programs.

Biology and cultural surveys have commenced at Big Springs as part of the process to apply for a long-term expanded POO. Both surveys are planned to be completed in Q4, 2021 and the application report submitted to Forest Services thereafter. Approval for the expanded POO is expected to be received in mid-2022.



**Figure 4: Expanded POO Application with an area of >3600ha covering the high priority targets**

### Soil Sampling and Surface Mapping

The 2021 geological surface mapping and soil-grid sampling programs have commenced at Big Springs Gold Project. The key objective of both programs is sharper delineation of the surface expressions of gold mineralisation at Big Springs.

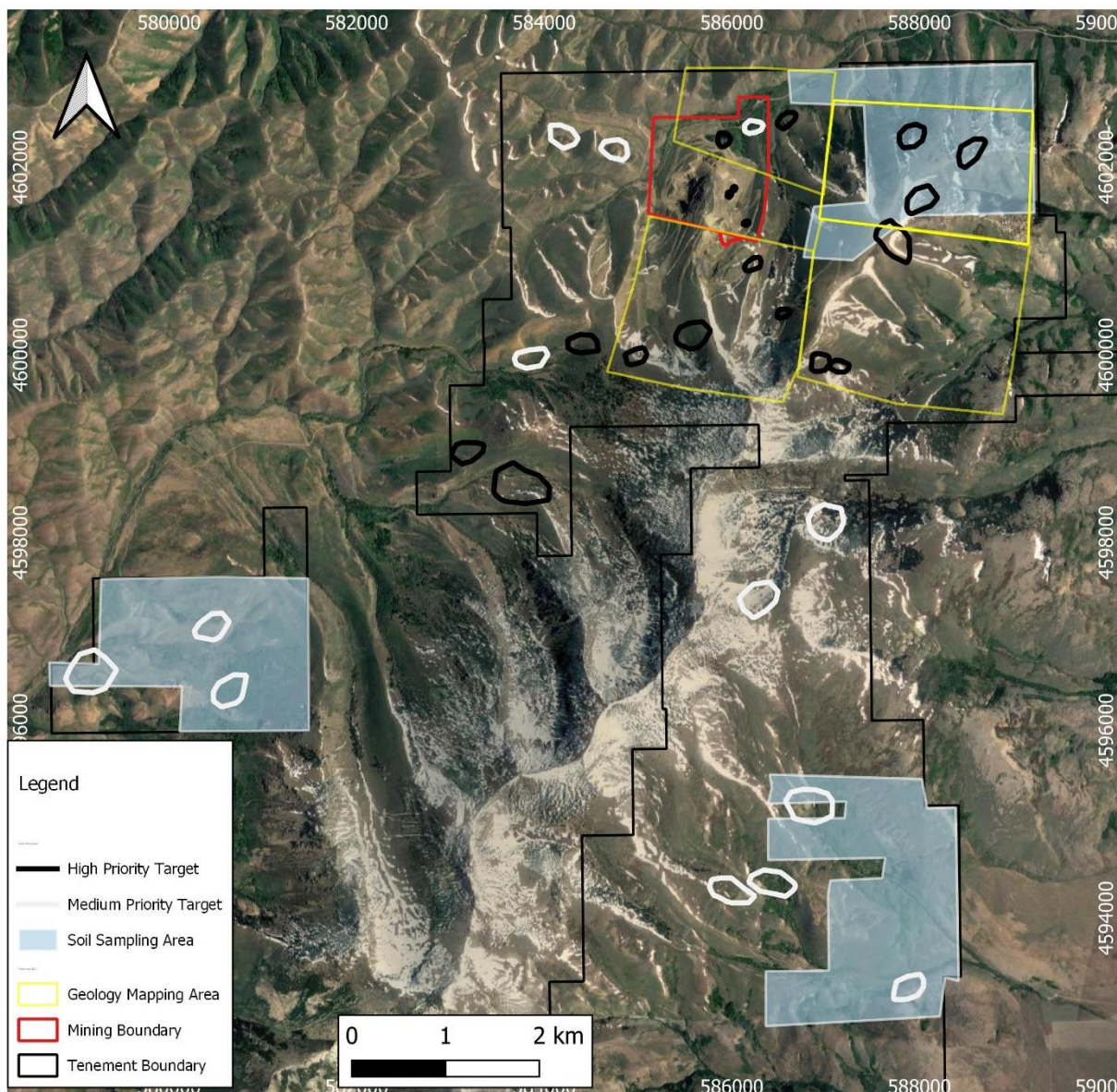
The soil sampling program plans to cover an area of approximately 15km<sup>2</sup>, including targets identified at Mac Ridge North, Jacks Creek and Golden Dome. Planned sample spacing is 100 feet, with line spacing of 200 feet. Samples are to be collected at a depth of 1-2 feet below surface. This program is expected



to take approximately two months with over 8,000 soil samples planned to be collected. Approximately half of the samples have been collected to date.

Geological surface mapping is initially focussed on the Crusher Zone North area, to be followed by the South Sammy South and Mac Ridge zones. The outcrop geology mapping is set to focus on Carlin-type mineralisation related alteration, mineralogy, and, particularly, the structures that control gold mineralisation according to the recently completed Big Springs targeting study (see Anova ASX release dated 27 May 2021).

The results from this year's soil sampling and surface mapping activities are to be integrated into, and will drive the advancement of, the overall Big Springs geological model. This process enables further refinement of drill targeting for coming exploration campaigns.



**Figure 5: Soil Sampling and Surface Mapping commenced at Big Springs**



### Drilling Program in 2021

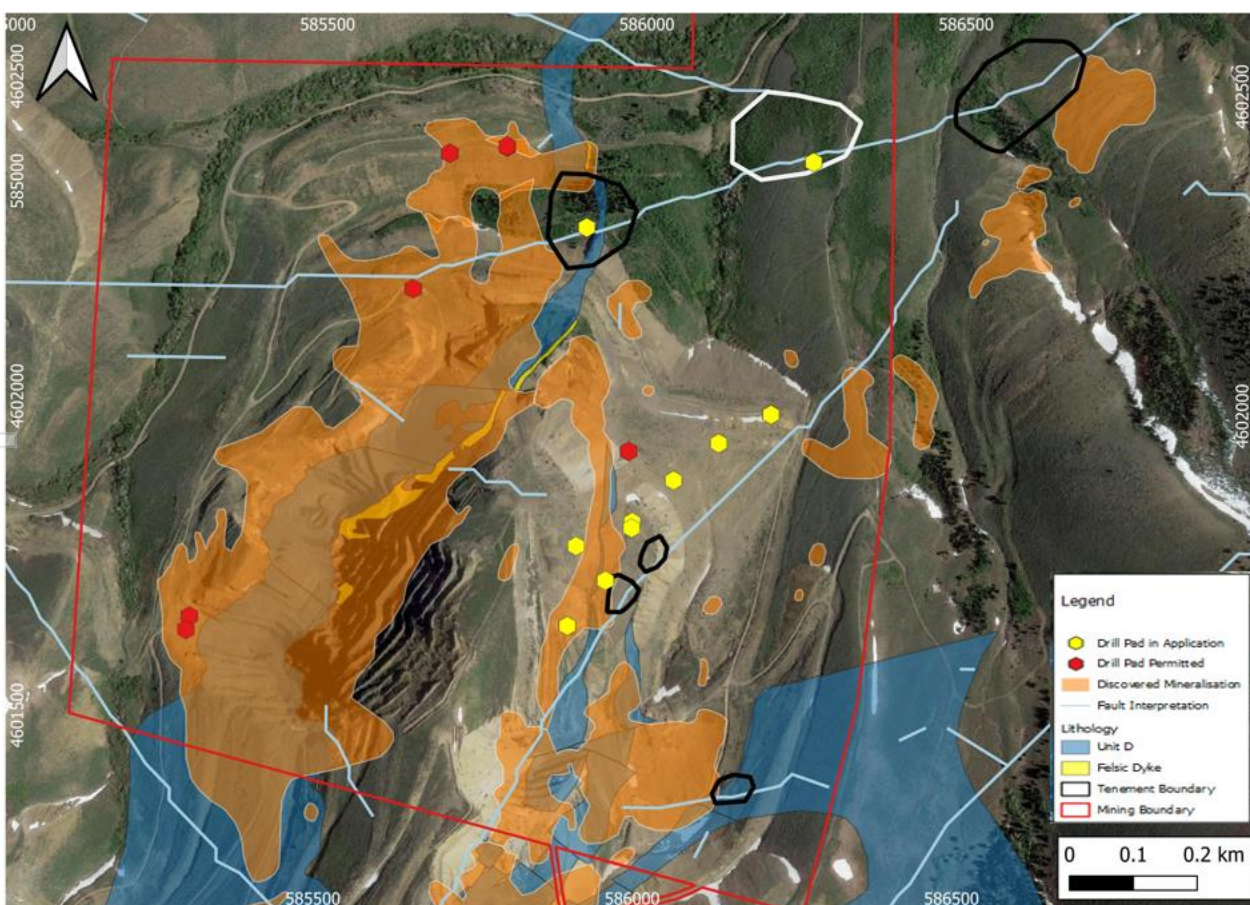
Extensive RC drilling program is planned at Big Springs in 2021 comprised of resource extension and new target drilling to be conducted across high-priority targets identified in the targeting study. The Company is fully permitted to continue the 2020 drilling program for another 12 holes. Continuity at depth at 401 deposit, which returned intervals of 10.86m @ 3.96g/t Au in 2020 drilling program, will be tested (Figure 7a). The new high-grade shoot discovered from the 2020 drilling program (BS-006, 5.49M @ 15.23g/t Au) will be followed up.

Subject to permitting, the Company has planned for another 26 holes to test four highly ranked targets that are located outside of the existing mineralisation envelop (Figure 6 and 7b). Two targets to be tested are along the Beadles Creek Fault connecting the Beadles Creek and South Sammy deposits. Six drill sections spaced approximately 100 meters apart have been designed to test these targets. Historical drilling returned encouraging results such as 19.8m @ 3.1g/t Au and 10.7m @ 3.4g/t Au (Figure 6b). The 2021 drilling program will be the first to test this area in the last 20 years and is targeting a repeat of high-grade mineralisation identified at Beadles Creek.

The third target to be tested lies between the Crusher Zone and Briens Fault Zone (Figure 5). The gravity processing indicates a significant structural intersection in the vicinity of the favourable gold host-rock, Unit D, located south of the Crusher Zone. In a similar geological setting, the Crusher Zone is characterized by drill-intervals of 12.19m @ 17.87g/t Au and 10.67m @ 11.93g/t Au. This target has not been tested by drilling.

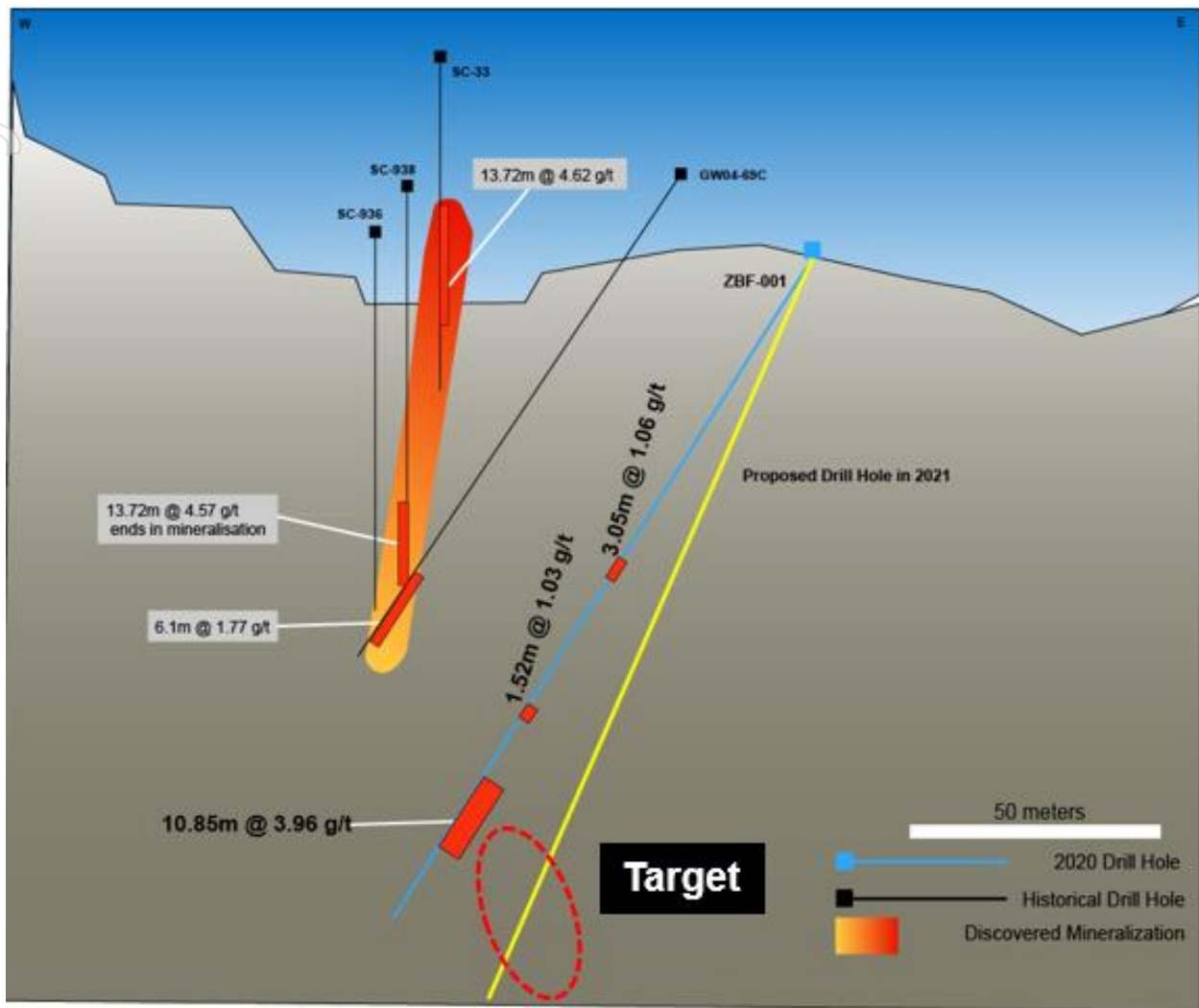
The fourth district target to be tested is eastward from Beadles Creek deposit approximately 400 meters along the W-E structure.

The Company will keep shareholders informed of the progress for the drilling program application.

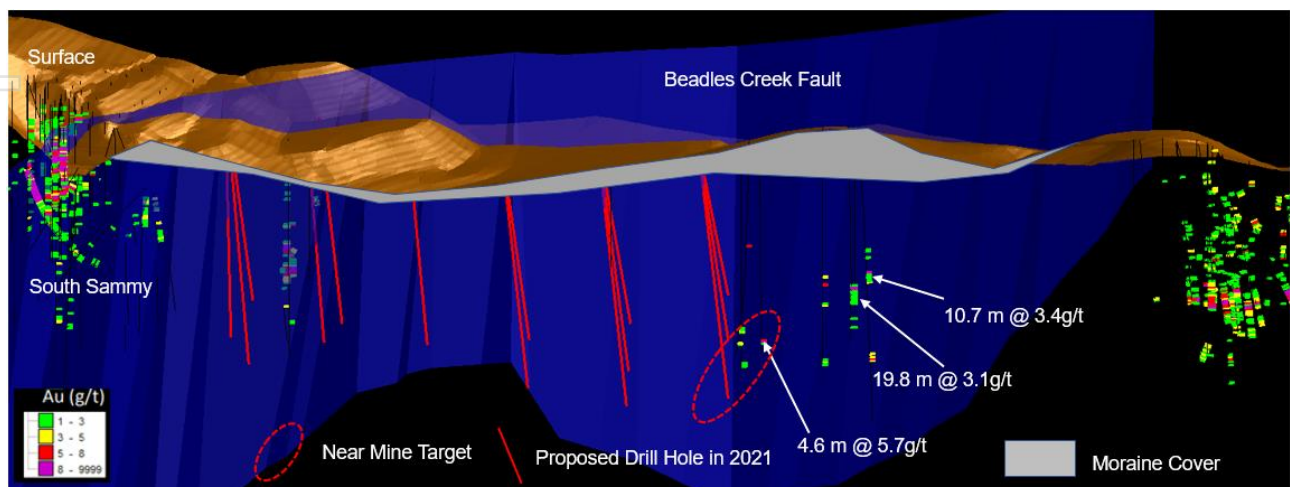


**Figure 6: Drilling program planned in 2021 at Big Springs**





**Figure 7a: Proposed drill hole at 401 to test the depth extension**



**Figure 7b: Proposed drill holes between Beadles Creek and South Sammy to test the Beadles Creek Fault Zone targets**

## Corporate

### Strong Financial Position

At 30 June 2021, Anova held cash of A\$7.4M and zero debt (excluding usual creditor balances).

### ASX Additional Information

**ASX Listing Rule 5.3.1:** Exploration and Evaluation Expenditure during the Quarter was A\$280,000, associated with tenement compliance costs, field mapping, geophysical surveys and drill targeting. Details of the exploration activity during the Quarter are set out in this report.

**ASX Listing Rule 5.3.2:** There were no substantive mining production and development activities during the Quarter.

**ASX Listing Rule 5.3.5:** Payments to related parties of the Company and their associates during the Quarter totalled A\$116,000. The Company advises that this relates to non-executive director's fees and executive directors' salaries (A\$101,000), and corporate advisory fees (A\$15,000).

**ASX Listing Rule 5.3.3:** Anova Metals Limited (ASX: AWW) reports as follows in relation to mining tenements held at the end of the 30 June 2021 quarter and acquired or disposed of during the quarter and their locations.

### Mining Tenements Held by Anova Metals Limited as at 30 June 2021:

Big Springs Project - Nevada, USA		
Tenement reference	Location	Percentage Held
NDEEP-31, NDEEP-32	Big Springs	100%
TT-108 to TT-157, TT-163, TT-164, TT-185, TT-187, TT-189 to TT-204, TT-220 to TT-267, TT-327 to TT-344	Big Springs	100%
AM1 to AM-8	Big Springs	100%
NDEEP-18, NDEEP-19, NDEEP-35, NDEEP-36, NDEEP-52, NDEEP-53	Dorsey Creek	100%
TT-158 to TT-162, TT-169 to TT-184, TT-186, TT-188, TT-275 to TT-277, TT-290, TT-291, TT-297 to TT-301, TT-305 to TT-311	Dorsey Creek	100%
DOVE-1 to DOVE-51	Golden Dome	100%
GD-52 to GD-61, GD-63, GD-67 to GD-76, GD-79 to GD-87, GD89 to GD-90, GD-92 to GD-136, GD-139 to GD-154, GD-157, GD-164 to GD-173, GD-176, GD-181, GD-182, GD-185, GD-186, GD-189, GD-190, GD-193, GD-194, GD-197 to GD-199, GD-201, GD-203, GD-205, GD-207, GD-209, GD-211, GD-213, GD-215, GD-217, GD-219, GD-221, GD-223, GD-225, GD-265 to GD-286, GD-297 to GD-318, GD-381 to GD-428	Golden Dome	100%
MP-14, MP-16, MP-18, MP-41, MP-43, MP-45, MP-47, MP-49 to MP-54	Golden Dome	100%
NDEEP-1 to NDEEP-16, NDEEP-44 to NDEEP-53, NDEEP-61 to NDEEP-90	Golden Dome	100%
JAK-14, JAK-16, JAK-18, JAK-20 to JAK-38, JAK-99 to JAK-116, JAK-170, JAK-172, JAK-174, JAK-176, JAK-178 to JAK-186	Jack Creek	100%
BS-500 to BS-550, BS-557 to BS-579	Mac Ridge	100%
MR-500 to MR-524, MR-526, MR-528, MR-530 to MR-537	Mac Ridge	100%
NDEEP-33, NDEEP-34	Mac Ridge	100%
TT-205 to TT-219	Mac Ridge	100%

### Mining Tenements Acquired during 31 March 2021 – 30 June 2021:

None

### Mining Tenements Disposed during 31 March 2021 – 30 June 2021:

None



This announcement has been authorised for release by: Mingyan Wang, Managing Director

## CONTACT:

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### Media

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## About the Big Springs Gold Project

The Big Springs Gold Project is a Carlin-style gold deposit located 80 km north of Elko in northeast Nevada, USA. Big Springs produced 386,000 ounces of gold between 1987 and 1993, ceasing production due to low gold prices. It is located in proximity to multiple +10 Moz resource Carlin-style gold projects within the region, including the producing Jerritt Canyon Gold Mine which is 20km south of Big Springs (see Figure 8). Big Springs has Measured, Indicated and Inferred Mineral Resources of 16 Mt at 2.0 g/t Au for 1.03 Moz (refer Table 3 and Anova ASX release dated 26 June 2014), over 50 km<sup>2</sup> of highly prospective ground. The high-grade portion of the Mineral Resources, reported at a cut-off grade of 2.5 g/t gold, contains 3.1 Mt at 4.2 g/t for 415 koz. Big Springs is fully permitted for Stage 1 mining operations.

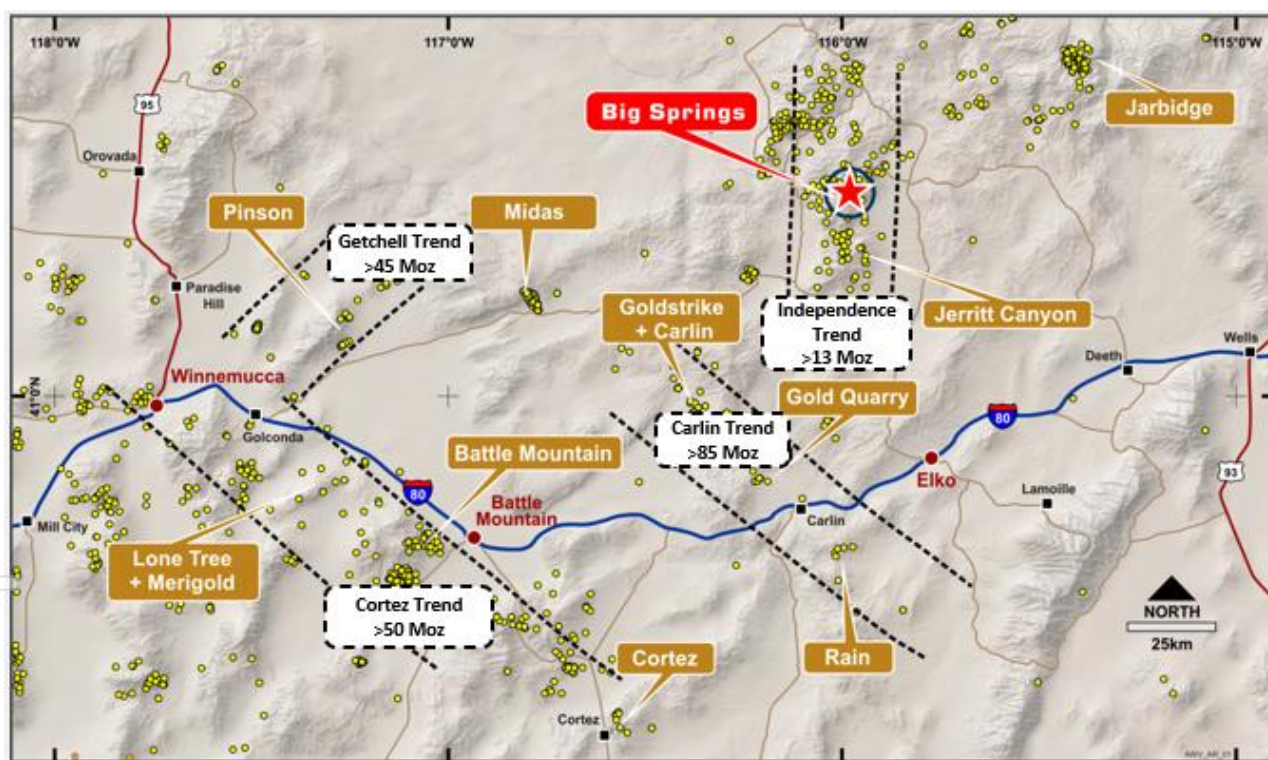


Figure 8: Location of Big Springs Project, Nevada USA

**Table 3: Mineral Resources**

Project	Measured			Indicated			Inferred			Combined		
	kT	Grade	Koz	kT	Grade	Koz	kT	Grade	Koz	kT	Grade	Koz
<b>Big Springs (JORC 2012)</b>												
North Sammy	346	7.0	77.9	615	3.1	62.2	498	2.8	44.1	1,458	3.9	184.1
North Sammy Contact				443	2.3	32.4	864	1.4	39.3	1,307	1.7	71.8
South Sammy	295	4.0	38.2	3,586	2.1	239.9	3,721	1.3	159	7,602	1.8	437.2
Beadles Creek				119	2.2	8.2	2,583	2.3	193.5	2,702	2.3	201.7
Mac Ridge							1,887	1.3	81.1	1,887	1.3	81.1
Dorsey Creek							278	1.4	12.9	278	1.4	12.9
Briens Fault							799	1.6	40.5	799	1.6	40.5
<b>Big Springs Sub-Total</b>	<b>641</b>	<b>5.6</b>	<b>116.1</b>	<b>4,762</b>	<b>2.2</b>	<b>343.3</b>	<b>10,630</b>	<b>1.7</b>	<b>570.4</b>	<b>16,032</b>	<b>2.0</b>	<b>1,029.9</b>

*Note: Appropriate rounding applied*

The information in this announcement that relates to the mineral resources for the Company's Big Springs Project was first reported by the Company in its resource announcement ("Resource Announcement") dated 26 June 2014. The Company confirms that it is not aware of any new information or data that materially affects the information included in the Resource Announcement, and in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the Resource Announcement continue to apply and have not materially changed.

### Competent Person Statement

The information in this report that relates to Exploration Result for the Big Springs Project is based on information compiled by Dr. Geoffrey Xue. Dr. Xue is a full time employee of Anova and a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr. Xue consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

The information in this report that relates to Mineral Resources for the Big Springs Project is based on information compiled by Mr Lauritz Barnes, Principal Consultant Geologist – Trepanier Pty Ltd. Mr Barnes is a shareholder of Anova. Mr Barnes is a member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Barnes consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.



## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Anova Metals Limited

ABN

20 147 678 779

Quarter ended ("current quarter")

30 June 2021

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation (if expensed)	(280)	(2,579)
(b) development	-	-
(c) production	-	-
(d) staff costs	-	-
(e) administration and corporate costs	(165)	(685)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	-	1
1.5 Interest and other costs of finance paid	-	(27)
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other – stamp duty paid	-	(1,039)
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(445)</b>	<b>(4,329)</b>

<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	-	-
(d) exploration & evaluation (if capitalised)	-	-
(e) investments	-	(286)
(f) other non-current assets	-	-

## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	100
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Sale of subsidiary, net of cash held	-	8,339
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>-</b>	<b>8,153</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	3,090
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	(94)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	(2,825)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>-</b>	<b>171</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	7,843	3,403
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(445)	(4,329)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	8,153
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	171



## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	<b>Cash and cash equivalents at end of period</b>	<b>7,398</b>	<b>7,398</b>

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	7,398	7,843
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>7,398</b>	<b>7,843</b>

**6. Payments to related parties of the entity and their associates**

- 6.1 Aggregate amount of payments to related parties and their associates included in item 1
- 6.2 Aggregate amount of payments to related parties and their associates included in item 2

**Current quarter  
\$A'000**

116

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments

<b>7.</b>	<b>Financing facilities</b> <i>Note: the term "facility" includes all forms of financing arrangements available to the entity.</i> <i>Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	-	-

7.5	<b>Unused financing facilities available at quarter end</b>	-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.	

<b>8.</b>	<b>Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1	Net cash from / (used in) operating activities (Item 1.9)	(445)
8.2	Capitalised exploration & evaluation (Item 2.1(d))	-
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	(445)
8.4	Cash and cash equivalents at quarter end (Item 4.6)	7,398
8.5	Unused finance facilities available at quarter end (Item 7.5)	-
8.6	Total available funding (Item 8.4 + Item 8.5)	7,398
8.7	<b>Estimated quarters of funding available (Item 8.6 divided by Item 8.3)</b>	16.62

8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:

1. Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?  

Answer: N/A
2. Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?  

Answer: N/A
3. Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?  

Answer: N/A



**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.

Date: **29 July 2021**

Authorised by: **By the Board**

(Name of body or officer authorising release – see note 4)

**Notes**

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow 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 cash flow 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.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.