

27 January 2022

QUARTERLY ACTIVITIES REPORT – DECEMBER 2021

Culpeo Minerals Limited (**ASX: CPO, Culpeo** or the **Company**) is pleased to provide the following activities report that outlines progress achieved during the December 2021 Quarter (the **Quarter**).

Highlights

- During the Quarter, the Company focused on the maiden drilling program and Induced Polarisation (**IP**) and Ground Magnetic (**GM**) surveys at the Las Petacas Project (**Petacas**) in Chile
- An IP survey was also completed at the Quelon Project
- The drilling program at Las Petacas focused on the Diego and Peta 1 Prospects.
- Initial drilling results confirm a broad mineralised copper-gold system at the Peta 1 Prospect, within Las Petacas
- Assay results have been received for two holes, returning encouraging copper and gold results including:
 - Drillhole - CMPDD003**
 - 3.5m @ 0.74% Cu and 0.55g/t Au from 71.5m
 - 3.5m @ 0.43% Cu and 0.25g/t Au from 79.5m
 - 1.0m @ 1.00% Cu and 0.10g/t Au from 324.2m
 - Drillhole - CMPDD004**
 - 21m @ 0.41% Cu and 0.10g/t Au from 41m
 - 5m @ 0.49% Cu and 0.03g/t Au from 68m
 - 11m @ 0.32% Cu and 0.02g/t Au from 85m
 - 37m @ 0.23% Cu and 0.02g/t Au from 99m
 - 20m @ 0.23% Cu and 0.01g/t Au from 168m
- Visual copper mineralisation intersected in all holes
- 500m strike length of copper mineralisation defined within a larger 6km copper trend
- Two additional high priority targets identified (Diego East and Far East) from Pole-dipole (**PDIP**) and GM survey recently completed at Las Petacas

Overview

During the quarter ended 31 December 2021, the Company focused on the maiden drilling program and IP and GM surveys at the Las Petacas Project in Chile. An IP survey was also completed at the Quelon Project (**Quelon**).

Operating Activities

Las Petacas Project

As announced on 17 December 2021, the maiden drilling program confirmed the presence of copper mineralisation (Figure 1) over a strike length of 500m within the >6km mineralised trend at the Las

Petacas Project. Assay results are particularly significant at Peta 1 Prospect where mineralisation remains open at depth and along strike.

Eight diamond drillholes totalling approximately 2,740m were completed at Las Petacas. Assay results have been received for an initial two holes. The Company has submitted eight holes to ALS Global Laboratory for analysis of copper and gold and additional results will continue to be reported in due course. A summary of the drill holes completed to date and significant results is set out in Appendix A.

Five holes have been completed on the Peta 1 Prospect, where significant trench assay results were returned historically (Figure 3), and three holes have targeted anomalies previously defined at Diego.



Figure 1: Visual copper mineralisation (malachite and chrysocolla) intersected in drillhole CMPDD006 at 16m downhole.

Substantial outcropping copper mineralisation is present around the planned drill collar location of hole CMPDD0008 (Figure 2), approximately 600m west of drillhole CMPDD004.



Figure 2: Significant outcropping copper mineralisation has been identified around the next drill hole CMPDD008.

Peta 1 Prospect Drilling

To date all holes have intercepted broad visible copper mineralisation present as copper oxide and sulphide minerals with drilling at the Peta 1 Prospect confirming visual copper mineralisation over a strike length of 500m and up to 200m deep (refer Figure 4) (See ASX announcement 10 November 2021).

The drillholes at the Peta 1 Prospect have intersected skarn-style breccias with elevated copper grades consistently over the length of the drillhole. Dacite intrusive rocks are intimately associated with the skarn alteration and exhibit strong stock-work mineralisation with visible sulphides.

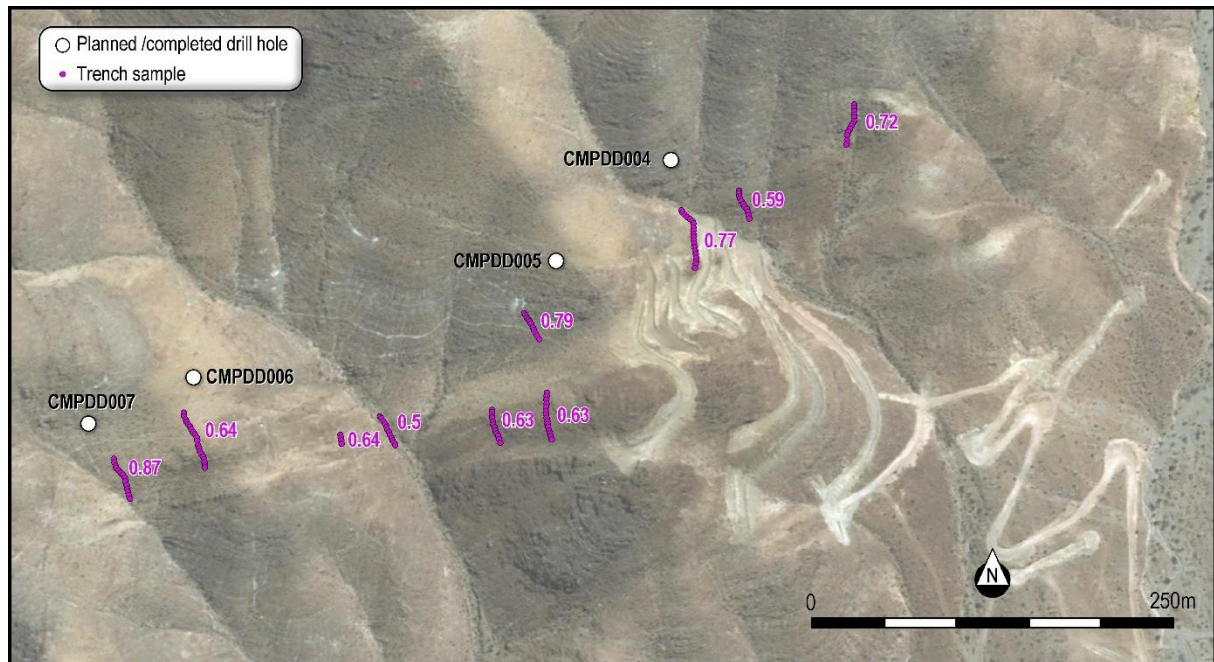


Figure 3: Significant historic trench results at the Peta 1 prospect.

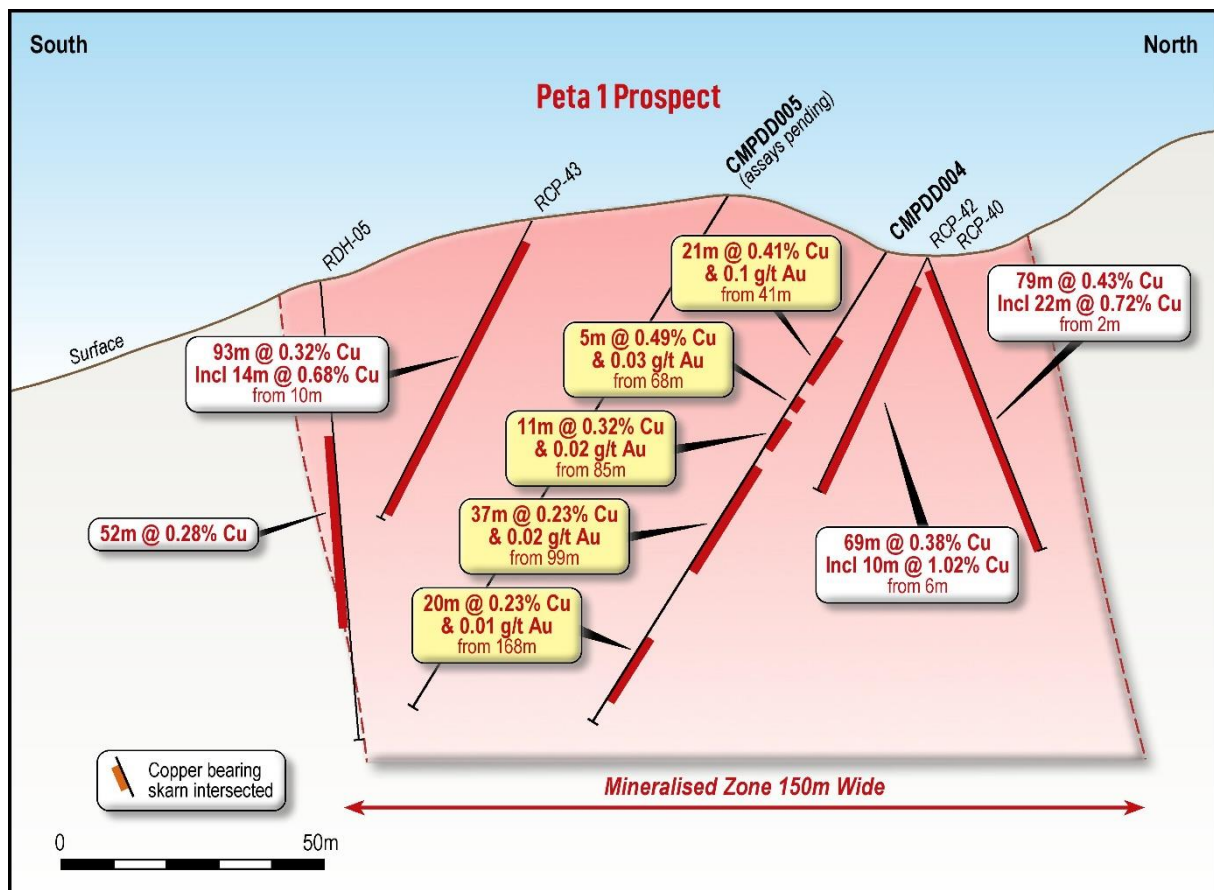


Figure 4: Peta 1 Prospect cross – section looking west, section window +/- 100 metres¹.

Diego Prospect Drilling

The drillhole CMPDD003 at then Diego Prospect intersected numerous skarn and breccia style mineralised intervals (Figure 5), associated with dacitic intrusives and encouragingly, the gold to copper ratio was higher than expected. This data will be incorporated into the geological model for the prospect and will allow Culpeo to vector in on key controlling mineralised structures and more importantly, wider and higher-grade zones of copper and gold mineralisation.

The recently completed detailed GM survey at Diego (Figure 6) has identified two additional untested copper targets which have Iron Oxide Copper Gold (**IOCG**) characteristics.

Planning is underway to test these new targets and final collar positioning will be subject to the completion of modelling of this ground magnetic data and the integration of the induced polarisation survey data completed over the prospect.

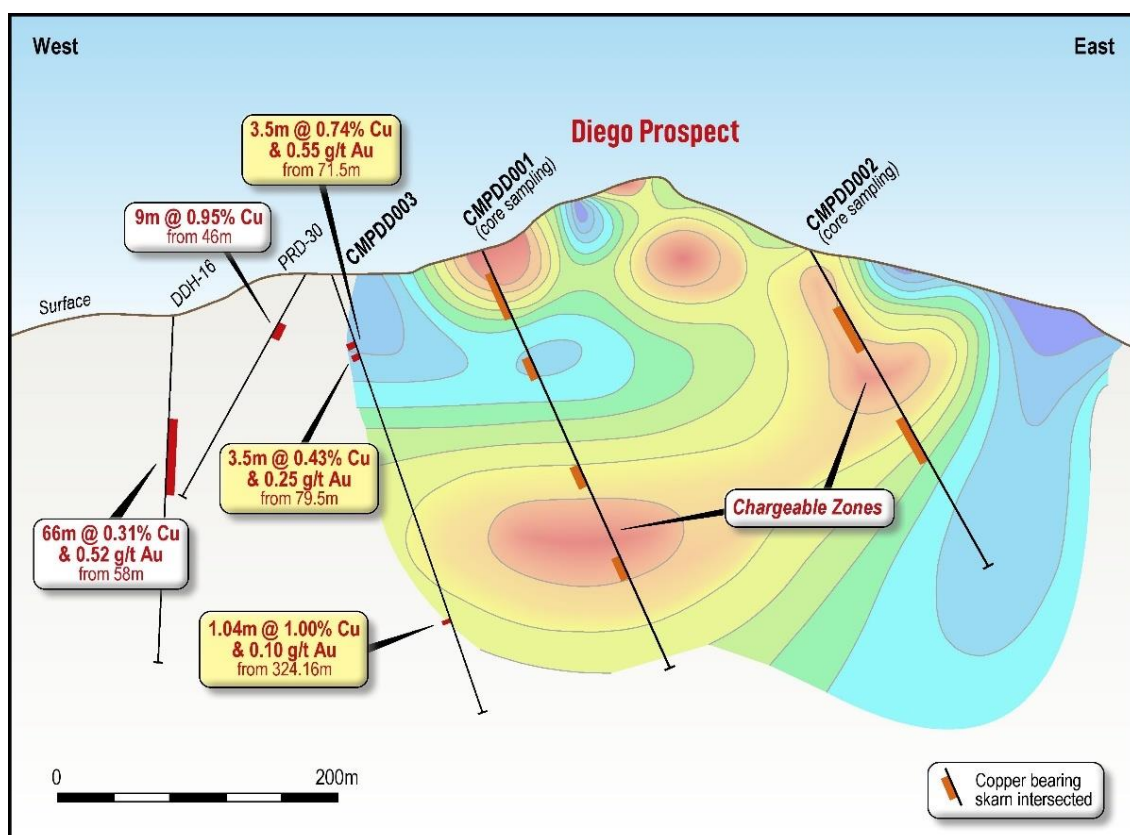


Figure 5: Diego Prospect cross – section looking north, section window +/- 200 metres¹.

¹For further details on previous drilling assay results, refer to Culpeo Minerals Limited Prospectus dated 23 June 2021.

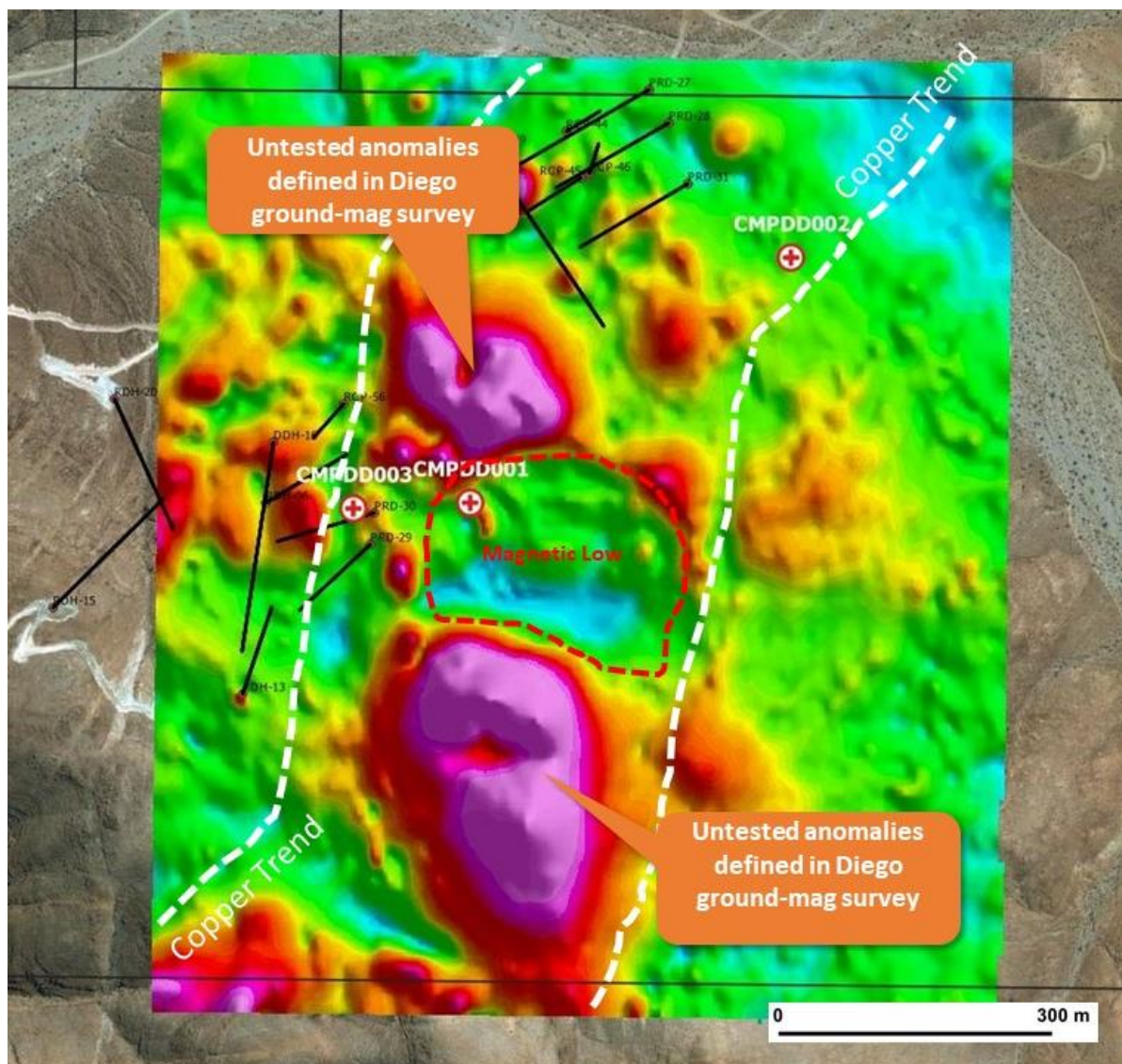


Figure 6: Ground magnetics image, Total Magnetic Intensity Analytical Signal (TMI-AS) showing high magnetic responses identified at the Diego Prospect (refer to ASX Announcement on 2 December 2021).

Regional Geophysical Surveys

During the Quarter, the Company engaged Quantec Geoscience to expand the coverage of GAIP and PDIP geophysical surveys at Las Petacas (Figure 7). The recent survey has identified multiple additional anomalous areas reflecting high chargeability. This potentially indicates the presence of copper sulphide mineralisation and the areas are considered to be high priority targets for further geophysical surveys and drilling.

Significantly, the new geophysical data supports the interpretation of north-west faults that transect the project area and appear to be intimately associated with the newly defined chargeability anomalies. Similar fault architecture and structural controls on mineralisation are present at the nearby, world-class Candelaria Mine and are known to be an important part of the localisation of economic ore zones in IOCG deposits.

The GAIP survey grid comprised 17 east-west oriented lines at 100m line spacing and 50m station spacing, with a total coverage of 28.5km.

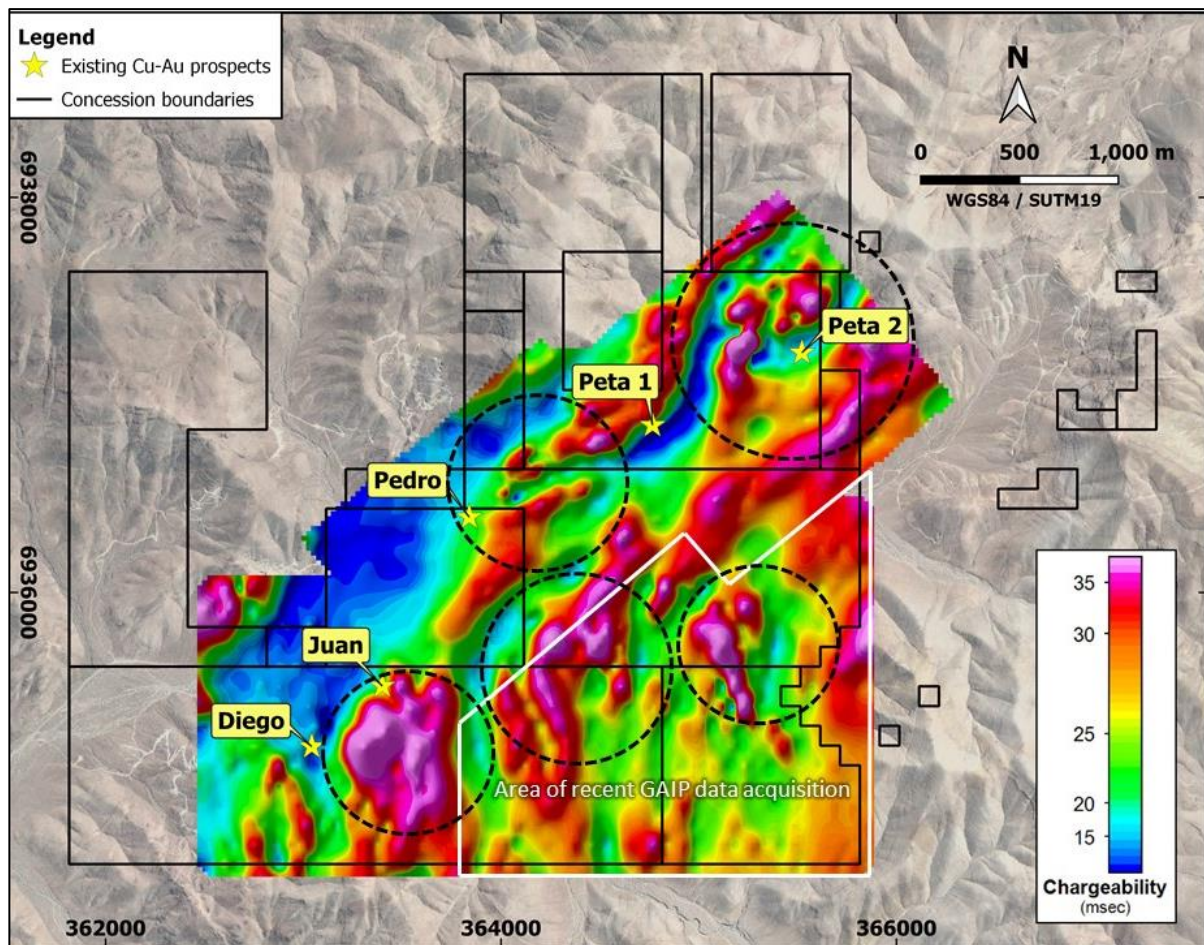


Figure 7: The results of the recent GAIP survey merged with the previous dataset.

The GAIP anomalies identified likely relate to sources within 200m from surface. A program of 5 new PDIP survey lines for a coverage of approximately 9 line-km was also completed, with modeling of the data underway. These survey lines covered the higher amplitude GAIP chargeability and conductivity anomalies.

Two of these completed survey lines add to the existing Dipole-Dipole (**DDIP**)¹ coverage over the Diego Prospect. The DDIP/PDIP coverage over this prospect will allow for the construction of 3D models of IP chargeability and resistivity/conductivity anomalism, which will be integrated with drilling data and results of the ground-mag survey to improve geological knowledge and potentially identify new drill targets.

Induced polarisation geophysical techniques are useful for detecting sulphide minerals, including copper sulphides, and the survey has generated high quality geophysical mapping up to 450m below the surface.

Quelon Project

During the Quarter, Culpeo completed a geophysical survey (IP/Resistivity) at the Quelon Project (Figure 8). The program consisted of 8 lines, each approximately 2km long for a total coverage of 16km.

These results of this geophysical survey are currently being interpreted with the aim of generating sub-surface targets in areas of outcropping copper mineralisation within a mineralised trend extending for

approximately 10km along strike. Several high priority targets have been defined by the survey and the results of the completed modelling will be used for drill hole planning and design.

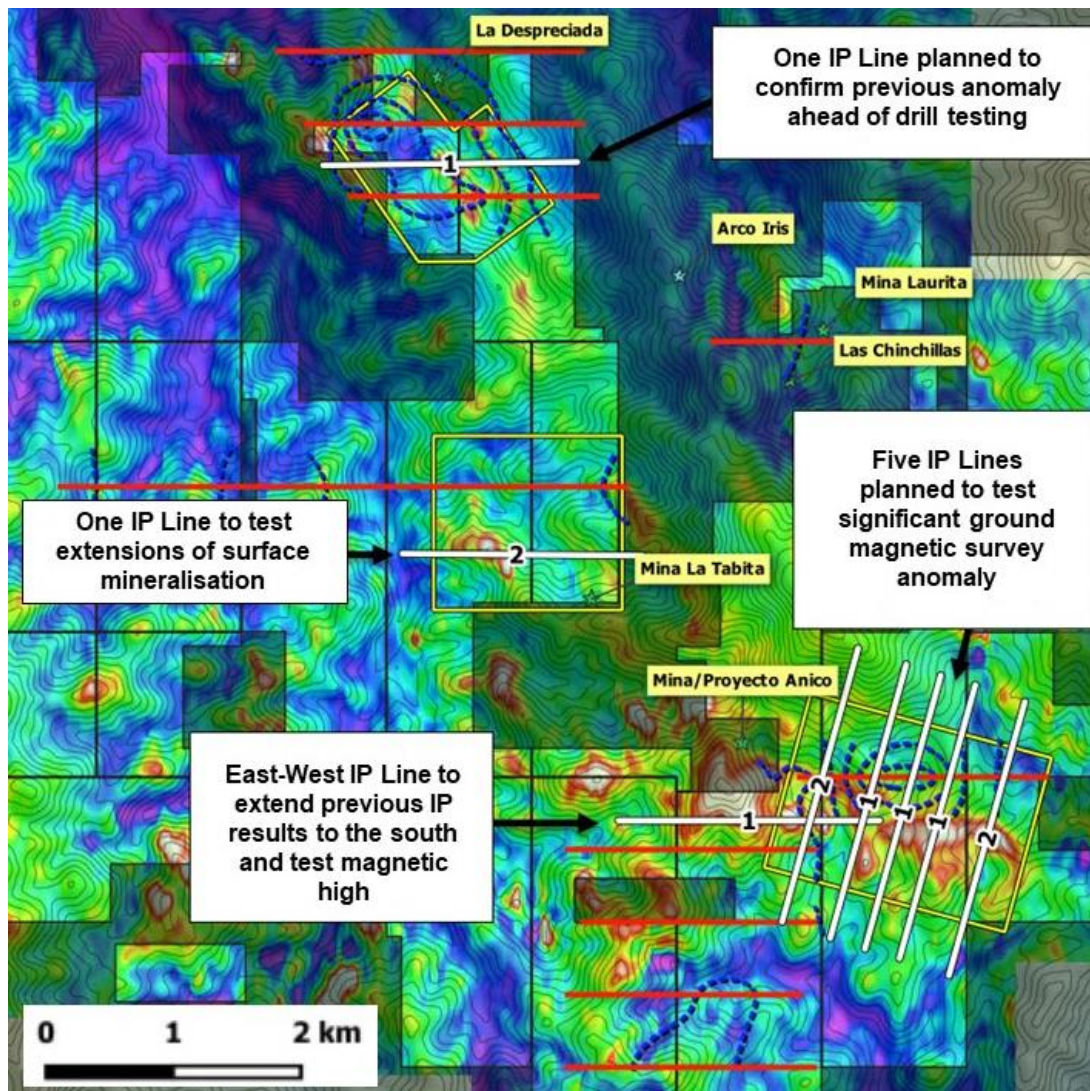


Figure 8: Quelon IP geophysical survey (refer to the Company's Prospectus dated 23 June 2021)

San Sebastian Project

No exploration activities were completed during the Quarter.

Corporate Activities

Use of Funds

During the Quarter, the Company spent approximately \$780,000 on exploration activities, which predominantly comprised the maiden drilling program, assay costs, earthworks, consultant fees, IP and GM surveys.

The Company confirms that during the quarter ended 31 December 2021, it has used the funds raised pursuant to the Company's Prospectus dated 23 June 2021 and Supplementary Prospectus dated 5 August 2021 (together, the **Prospectus**) consistently with the "Use of Funds" statement in the Prospectus. A comparison of actual expenditure since the Company's listing on ASX is as follows:

	Prospectus (24 month period) \$	Actual Q2 FY22 \$	Actual TOTAL \$
Exploration Las Petacas Project	2,486,340	730,614	795,357
Exploration Quelon Project	1,868,453	49,152	81,701
Exploration San Sebastian Project	300,000	0	0
Expenses of the Offer	243,890	96,850	309,432
Administration Costs	845,000	426,904	738,614
Working Capital	790,709	0	0
Total	6,534,392	1,303,520	1,925,104

Summary of Material Variances

At the end of the quarter ended 31 December 2021, the Company was in line with its expenditure program since Admission and there are no material variances.

Payments to Related Parties

As outlined in the Appendix 5B for the quarter ending 31 December 2021 (sections 6.1 and 6.2), approximately \$229,000 in payments were made to related parties and/or their associates, which comprised remuneration for the Managing Director, Non-Executive Director fees and consulting fees.

This announcement has been authorised by the Board of Directors of Culpeo Minerals Limited.

COMPANY

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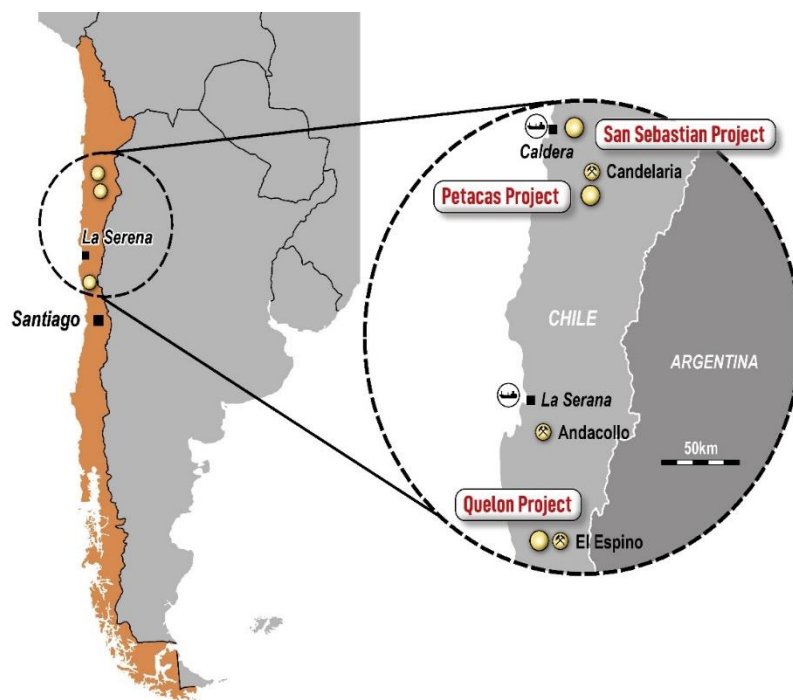
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About Culpeo Minerals Limited

Culpeo Minerals is a copper exploration and development company with assets in Chile, the world's number one copper producer. The Company is exploring and developing high grade copper systems in the coastal Cordillera region of Chile.

The Company's principal project, the Las Petacas Project, is located in the Atacama Fault System near the world-class Candelaria Mine. Historic exploration has identified significant surface mineralisation with numerous outcrops of high-grade copper mineralisation which provide multiple compelling exploration targets.



Culpeo Minerals has a strong board and management team with significant Chilean country expertise and has an excellent in-country network. All these elements enable the company to gain access to quality assets in a non-competitive environment. We leverage the experience and relationships developed over 10 years in-country to deliver low cost and effective discovery and resource growth.

We aim to create value for our shareholders through exposure to the acquisition, discovery and development of mineral properties which feature high grade, near surface copper mineralisation.

Competent Persons' Statements

The information in this disclosure that relates to Exploration Results is based on information compiled by Mr Maxwell Donald Tuesley ,BSc (Hons) Economic Geology, MAusIMM (No 111470). Mr Tuesley is a member of the Australian Institute of Mining and Metallurgy and is a shareholder and Director of the Company. Mr Tuesley has sufficient experience that 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 Exploration Results, Mineral Resources and Ore Reserves. Mr Tuesley consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

The information in this disclosure that relates to historical Exploration Results is based on information compiled by Mr Jason Froud BSc (Hons), Grad Dip (Fin Mkts), MAIG) and was reviewed by Christine Standing BSc (Hons), MSc, MAusIMM, MAIG, who are both full time employees of Optiro Pty Ltd, acting as independent consultant to Culpeo Minerals Limited. Mr Froud and Ms Standing have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code).

The information in this disclosure that relates to Geophysical Results is based on information compiled by Nigel Cantwell. Mr Cantwell is a Member of the Australian Institute of Geoscientists (AIG) and the Australian Society of Exploration Geophysics (ASEG). Mr Cantwell is a consultant to Culpeo Minerals Limited. Mr Cantwell has sufficient experience which is relevant to the style of mineralization 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 Exploration Results, Mineral Resources & Ore Reserves. The Company confirms that it is not aware of any new information or data that materially affects the Geophysical Results and confirms that the form and context in which the applicable Competent Persons' findings are presented have not been materially modified from the original announcement.

The information relating to historical Exploration Results in this announcement is extracted from the Company's Prospectus dated 23 June 2021 which is available from the Company's website at www.culpeominerals.com.au or on the ASX website www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results information included in the Prospectus and confirms that the form and context in which the applicable Competent Persons' findings are presented have not been materially modified from the Prospectus.

Appendix A Drillhole Location and Significant Intercepts

Table A1: Drill Hole Locations

Prospect	Hole No.	Easting	Northing	Elevation	Azimuth	Inclination	Total depth
Diego	CMPDD001	363448	6935521	1215	90	-60	450
Diego	CMPDD002	363814	6935811	1148	90	-60	438
Diego	CMPDD003	363341	6935487	1225	90	-70	425
Peta 1	CMPDD004	364964	6937169	1328	200	-55	207.2
Peta 1	CMPDD005	364882	6937112	1338	160	-55	250.5
Peta 1	CMPDD006	364650	6937020	1355	160	-55	281.7
Peta 1	CMPDD007	364574	6936999	1357	160	-60	326.1
Peta 1	CMPDD008	364490	6936960	1371	160	-55	363

Table A2: Significant Downhole Intersections

Hole_ID	From (m)	To (m)	Interval	Cu (%)	Au (g/t)	Comments
CMPDD003	3.6	4.3	0.7	0.20	0.03	Diego
CMPDD003	14	15	1	0.34	0.08	Diego
CMPDD003	35	36	1	0.48	0.46	Diego
CMPDD003	71.5	75	3.5	0.74	0.55	Diego
CMPDD003	79.5	83	3.5	0.43	0.25	Diego
CMPDD003	107	109	2	0.24	0.08	Diego
CMPDD003	175.5	176.15	0.65	0.42	0.05	Diego
CMPDD003	324.16	325.2	1.04	1.00	0.10	Diego
CMPDD003	344.9	345.9	1	0.24	0.07	Diego
CMPDD004	41	62	21	0.41	0.10	Peta 1
CMPDD004	68	73	5	0.49	0.03	Peta 1
CMPDD004	85	96	11	0.32	0.02	Peta 1
CMPDD004	99	136	37	0.23	0.02	Peta 1
CMPDD004	168	188	20	0.23	0.01	Peta 1

Notes: No top cut has been applied, grade intersections are generally calculated over intervals >0.2% Cu where zones of internal dilution are not weaker than 2m < 0.1% Cu. Bulkier thicker intercepts may have more internal dilution between high-grade zones.

Appendix B List of Culpeo Minerals Exploration Concessions as at 31 December 2021

Project	Licence	Company	Area (Ha)	Grant	Expiry
Petacas	Peta 31/55	EM DOS	120	11-Nov-89	None
	Peta 91/92	EM DOS	10	11-Nov-89	None
	Peta 15/28	EM DOS	70	06-Nov-89	None
	La Rosa 27/28	EM DOS	6	26-Dec-89	None
	La Rosa 31/46	EM DOS	80	28-Jun-11	None
	La Rosa 1/30	EM DOS	300	25-Nov-91	None
	Corredor 2, 1/12	EM DOS	12	18-Feb-15	None
	Corredor 3, 1/6	EM DOS	6	18-Feb-15	None
	Cachorro 1/20	EM DOS	20	11-Nov-14	None
	Cachorro 1,1/160	EM DOS	160	28-Jul-15	None
	Cachorro 2, 1/95	EM DOS	95	18-Feb-15	None
	Cachorro 3, 1/24	EM DOS	242	18-Feb-15	None
	Cachorro 4, 1/173	EM DOS	173	18-Feb-15	None
	Cachorro 5, 1/87	EM DOS	87	18-Feb-15	None
	Almudena 1,1	EM DOS	1	22-May-15	None
	Almudena 2, 1/3	EM DOS	3	22-May-15	None
	Almudena 3, 1/2	EM DOS	2	22-May-15	None
	Almudena 4, 1/7	EM DOS	7	22-May-15	None
	Almudena 5, 1/6	EM DOS	6	22-May-15	None
	Almudena 6,1	EM DOS	1	22-May-15	None
	Almudena 7,1	EM DOS	1	22-May-15	None
	Almudena 8,1/4	EM DOS	4	22-May-15	None
	Total – Las Petacas		1,406 Ha		
Quelon	Angela 10 1/20	Vasco Minera	191	19-Aug-13	None
	Angela 1 1/15	Vasco Minera	150	19-Aug-13	None
	Angela 11 1/10	Vasco Minera	63	22-Dec-15	None
	Angela 12 1/10	Vasco Minera	66	20-Jan-16	None
	Angela 13 1/30	Vasco Minera	255	28-Dec-15	None
	Angela 14 1/20	Vasco Minera	200	08-Jan-13	None
	Angela 15 1/14	Vasco Minera	70	08-Jan-13	None
	Angela 3 1/30	Vasco Minera	170	30-Nov-15	None
	Angela 4 1/29	Vasco Minera	205	13-Feb-14	None
	Angela 5 1/18	Vasco Minera	108	13-Jan-14	None
	Angela 6 1/30	Vasco Minera	236	13-Feb-14	None
	Angela 7 1/30	Vasco Minera	236	02-Dec-14	None
	Angela 8 1/20	Vasco Minera	131	02-Dec-14	None
	Angela 9 ½	Vasco Minera	17	13-Feb-14	None
	San Andres 10 1/24	Vasco Minera	216	13-Jun-17	None
	San Andres 1 1/15	Vasco Minera	114	03-Jun-17	None
	San Andres 11 1/24	Vasco Minera	216	03-Jun-17	None
	San Andres 13 1/19	Vasco Minera	102	03-Jun-17	None
	San Andres 14 1/15	Vasco Minera	102	03-Jun-17	None
	San Andres 15, 1-30	Vasco Minera	290	01-Feb-19	None
	San Andres 16, 1-30	Vasco Minera	330	06-Jul-19	None
	San Andres 17 1-30	Vasco Minera	324	01-Feb-19	None
	San Andres 18, 1-10	Vasco Minera	100	14-May-19	None
	San Andres 2, 1-10	Vasco Minera	57	12-Nov-17	None
	San Andres 4 1/5	Vasco Minera	23	13-Jun-17	None
	San Andres 5 ¼	Vasco Minera	36	03-Jun-17	None
	San Andres 6 1/20	Vasco Minera	200	03-Jun-17	None
	San Andres 7 1/20	Vasco Minera	200	03-Jun-17	None
	San Andres 8 1/20	Vasco Minera	200	03-Jun-17	None
	San Andres 9 1/20	Vasco Minera	161	03-Jun-17	None
	Teresa 1 1/30	Vasco Minera	279	21-Oct-13	None
	Teresa 2 1/20	Vasco Minera	150	21-Oct-13	None
	Teresa 3 1/20	Vasco Minera	200	21-Oct-13	None
	Teresa 4 1/20	Vasco Minera	155	21-Oct-13	None
	Total – Quelon		5,553 Ha		
San Sebastian	San Sebastian 1/16 (2/16)	Minera Panga SpA	45	1998	None
	San Sebastian 1/16 (1)	Minera Panga SpA	5	1998	None
	Total – San Sebastian		50 Ha		