Unit 6, 1 Clive St
West Perth WA 6005

PO BOX 437
West Perth WA 6872

Tel: +618 9322 6178

www.genesisminerals.com.au
ABN: 72 124 772 041

18 February 2011

ASX Announcement

FURTHER HIGH GRADE GOLD MINERALISATION INTERSECTED AT THE DINAMARQUESA PROJECT

Genesis Minerals Limited ("Genesis", ASX: GMD) is pleased to announce further results from the first pass, wide-spaced drilling (+100m hole spacings) program at the Dinamarquesa Project ("Project") in northern Chile.

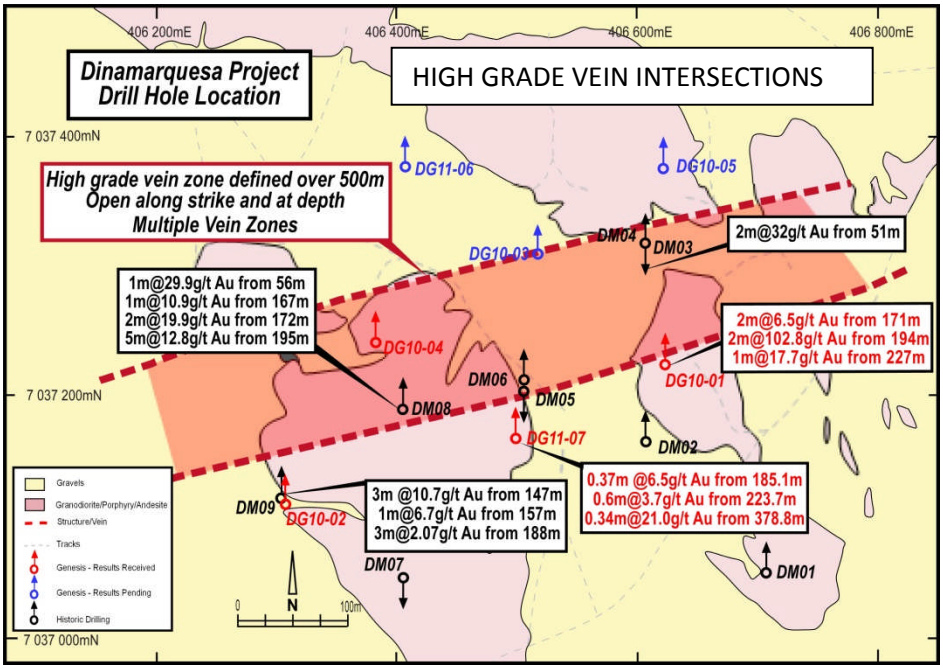
Highly encouraging results returned from quartz –sulphide veins include:

- **0.34m @ 21.0g/t gold**
- **0.37m@ 6.5g/t gold**
- **0.6m @ 3.7g/t gold.**

The initial drilling program has defined an extensive high grade vein system over at least 500m of strike. The vein system is open along strike and at depth.

Holes DG10-04 and DG11-07 intersected a number of quartz-sulphide veins that are considered to be part of the same zone of veining that returned high grade mineralisation in drill hole DG10-01, which returned results including **2m @ 102.8 g/t gold, 2m @ 6.5 g/t gold, and 1m @ 17.7 g/t gold.** DG11-07 was drilled more than 115m west of DG10-01 and DG10-04 was drilled more than 240m west of DG10-01. No drilling has been completed east of DG10-01.

The results to date provide great encouragement to define a significant high grade vein system at Dinamarquesa. Planning is underway to commence a 3,000m drilling program to test the continuity of the high grade veins which to date have only been tested by very limited wide spaced drilling. Further drilling is required to also test the near surface potential of the vein system.



Background

Genesis Minerals Limited entered into an agreement in August 2010 with a private Chilean company to acquire a 100% interest in the Dinamarquesa Project in northern Chile. Limited previous wide spaced drilling has delineated a number of high grade gold structures. The Project occurs in the highly mineralised Inca de Oro gold-copper belt.

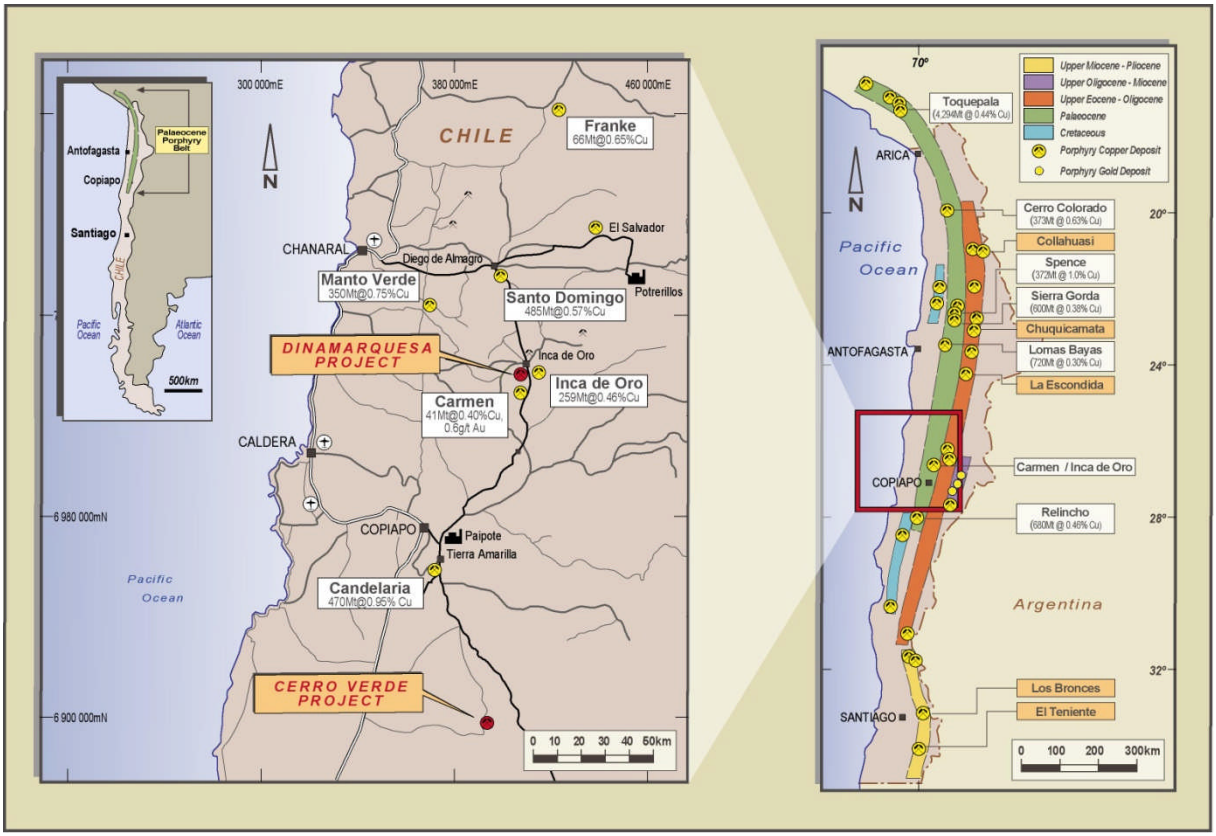


Figure 1 Location of the Dinamarquesa Project.

The Project is located in the Atacama Desert in an area with excellent infrastructure about 850 km north of Santiago, 90 km north of the city of Copiapó and 75km east of the Pacific Ocean. The Project is 3km south west of the small town of Inca de Oro which is connected by a sealed highway between Copiapó in the south and Diego de Almagro in the north.

Limited previous wide spaced (100m+), shallow drilling intersected a number of strongly mineralised structures with results including ***2m @ 32g/t gold and *5m @ 12.8 g/t gold.**

The Project covers andesitic lava flows, breccias and tuffaceous rocks of the Jurassic Punta del Cobre Formation which has been intruded by Cretaceous to Palaeocene dioritic, granodioritic to tonalitic intrusions. The north northeast trending Inca de Oro Fault system is the main structure in the area. Two main styles of gold – copper mineralisation occur in the district; vein/stockwork mineralisation and porphyry style mineralisation. Both styles are associated with potassic alteration. The depth of weathering varies from 20 to 60 metres.

The gold – copper mineralisation at Dinamarquesa is associated with veins and stockworks trending east to north northeast, hosted in andesitic rocks intruded by a series of porphyries. The veins generally comprise quartz, pyrite, chalcopyrite, gold and occasionally calcite and barite and are associated with potassic alteration.

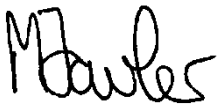
The known copper-molybdenum-gold primary porphyry hosted mineralisation is found mostly as an intense to moderate stockwork of A, B and D veinlets with pyrite-chalcopyrite-molybdenite mineralisation in the porphyry, granodiorite and the contact zone with andesite and the andesite roof pendant structures.

**Historical intersections previously reported in Genesis Minerals Limited ASX release 5th August 2010*

A seven hole diamond drilling program (DG10-01 – DG10-05, DG11-06 –DG11-07) for a total of 2,200m was completed in January at the Project. The program targeted both the high grade gold vein system and the porphyry copper - molybdenum - gold potential.

Copper and molybdenum results will be available for the entire drilling program within the next few weeks.

The high grade gold mineralisation is related to sub vertical, banded to massive quartz - sulphide - carbonate veins. The veins occur within an ENE trending structural zone up to 150m long.



Michael Fowler

Managing Director

Further Information

Contact - Michael Fowler

+618 9322 6178 or mfowler@genesisminerals.com.au

The information in this announcement was compiled by Michael Fowler, Genesis Minerals Limited's Managing Director, who is a Member of The Australasian Institute of Mining and Metallurgy. Michael Fowler 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 2004 JORC Code. Michael Fowler consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

Table 1 Significant gold intersections associated with veins from DG10-01 to DG11-07.

Hole Number	Northing	Easting	mRL	UTM Az.	Dip	Hole Depth (m)	From (m)	To (m)	Interval	Au (g/t)
DG10-01	7,037,220	406,610	1728	0	-70	300	126	127	1	2.04
							171	173	2	6.532
							194	196	2	102.78
						includes	*194*	*195.33*	*1.33*	*151.42*
							227	228	1	17.68
							256	257	1	1.27
DG10-02	7,037,101	406,300	1722	0	-70	300	145	146	1	1.11
							210.11	210.68	0.57	3.89
							243	244	1	0.93
							262.4	263	0.6	1.22
DG10-03	7,037,299	406,514	1718	0	-70	303	52	58	6	0.83
							89	90	1	2.72
DG10-04	7,037,230	406,380	1725	0	-70	274	42	43	1	0.78
							110.7	112.33	1.63	0.78
							157	158	1	0.61

DG10-05	7,037,370	406,610	1726	0	-70	320	2.7	3	0.3	0.5
							127.35	128.08	0.73	0.71
DG11-06	7,037,382	406,401	1711	0	-70	316.5	147.6	148.3	0.7	2.04
DG11-07	7,037,147	406,499	1733	0	-55	380	185.11	185.48	0.37	6.52
							223.77	224.37	0.6	3.69
							378.79	379.13	0.34	21.01

Notes :

- Final assay results from ½ NQ or HQ diamond core.
- Lower cut of 1g/t gold.
- Analysis completed by ANALMIN laboratory in La Serena, Chile.
- All samples were analysed for gold by fire assay.
- Reference standards, duplicate and blank samples were routinely submitted and were within acceptable limits based on current data.
- Drill hole collar position surveyed - PSAD56 Zone 19S by GPS and down hole surveyed by Comprobe.