

MARIANA RESOURCES LTD

AIM and PLUS code: MARL

2 April 2008

More high grade silver-gold mineralisation found at the Chala Vein, Sierra Blanca Project Argentina.

Mariana Resources Ltd (“Mariana”) is pleased to announce results of 1,495 metres of backhoe trenching at the Chala Vein located in the northeast part of the Sierra Blanca concession. A total of 29 backhoe trenches (T13 to T41) have been excavated along the 1,500 metres vein trend at intervals ranging from 50 to 200 metres apart. The trenches vary in length from 18 to 74 metres, with 261 samples taken from 257 metres of diamond saw channels cut along the trenches. Depth to bedrock averages one metre. Assay results have been received for 11 of the 29 trenches. Brecciated quartz veins were intersected in all trenches with anomalous to bonanza grade silver and gold values obtained in nine of the eleven trenches.

Highlights include:

Trench Id	From (metres)	To (metres)	Width (metres)	Grade grams per tonne (g/t)
Trench 13	6.0	10.5	4.5	694 g/t Ag and 3.6g/t Au
incl	9.0	9.5	0.5	5,480 g/t (176 ounces per tonne {oz/t}) Ag and 25.7 g/t Au
Trench 13	45.7	46.9	1.2	130 g/t Ag, 1.1 g/t Au
Trench 14	4.0	20.5	16.5	384 g/t Ag and 0.5 g/t Au
Trench 19	6.5	15.9	9.4	236 g/t Ag, 0.9 g/t Au
Trench 20	21.4	25.5	4.1	158 g/t Ag, 0.2 g/t Au
Trench 21	13.7	22.0	8.3	507 g/t Ag and 1.7 g/t Au
incl	16.0	17.0	1	3,630g/t (117 oz/t) Ag, 6.5 g/t Au
Trench 22	16.0	17.0	1	234 g/t Ag, 0.3 g/t Au

Previously reported diamond saw channel samples from this area include:

- **9.4 metres @ 2,362 g/t (76 oz/t) Ag** and 1.3 g/t Au in T1
- **3.4 metres @ 1,238 g/t Ag and 10.1 g/t Au** in T3
- 3.5 metres @ 465 g/t Ag and 3.7 g/t Au in T4
- **9.4 metres @ 1,211 g/t (39 oz/t) Ag** and 1 g/t Au in T12 which is located adjacent to T1.

Commenting today, Managing Director of Mariana Resources Ltd, John Sutcliffe said “*These backhoe trench results from Chala Vein continue to impress and confirm the area to be a **premium bonanza silver-gold drill target**. Much of the 25 kilometre Sierra Blanca vein system remains substantially under-explored, with extensive areas of cover obscuring the full extent of the vein system. Drilling will be undertaken as soon as permitting is completed and rig availability confirmed.*”

Chala Vein

The Chala Vein target is located in the northeastern part of the Sierra Blanca property and consists of a swarm of oxidized and brecciated quartz veins up to 16.5m true width contained within an east-west trending zone at least 800m in length. The vein system is open to the west, with possible extensions under soil cover. The Chala Vein is one of four recently discovered targets in the more than 25 kilometre long vein system in the Sierra Blanca concession.

The trenching results confirm:

- A significant sheeted vein system at Chala
- Presence of broad ‘halos’ of lower grade disseminated silver-gold mineralisation extending into the wall rocks adjacent to the main high grade sections
- Bonanza nature of some of the silver grades in the vein type mineralisation
- Significant silver and gold values encountered in concealed veins between silicified outcrops.

The following table summarises the channel sample results obtained to date at Chala. (Trench 1-6 results were reported in the News Release dated 18 December 2007). T1 to T12 are diamond saw channel samples cut at surface and T13 to T 23 are diamond saw channel samples cut along backhoe trench floors.

Chala Surface Diamond Saw (T1-T12) and Diamond Saw Trench Assays (T13-T23)

Trench Id	From (metres)	To (metres)	Width (metres)	Silver grams per tonne	Gold grams per tonne
<i>T1</i>	0.0	9.4	9.4	2,362	1.3
<i>incl</i>	1.3	3.5	2.2	5,694	1.8
<i>T2</i>	0.0	5.0	5.0	204	2.5
<i>T3</i>	0.0	3.4	3.4	1,238	10.1
<i>T4</i>	0.0	3.5	3.5	465	3.7
<i>T5</i>	0.0	4.6	4.6	104	6.7
<i>T6</i>	0.0	3.0	3.0	36	1.7
<i>T7</i>	0.0	3.7	3.7	12	0.1
<i>T8</i>	0.0	5.3	5.3	14	0.5
<i>T9</i>	0.0	2.7	2.7	13	4.1
<i>T10</i>	0.0	3.0	3.0	18	0.1
<i>T11</i>	0.0	2.7	2.7	19	0.1
<i>T12</i>	0.0	9.4	9.4	1,211	1.0
<i>T13</i>	6.0	10.5	4.5	694	3.6
<i>incl.</i>	9.0	9.5	0.5	5,480	25.7
<i>T13</i>	34.7	39.3	4.6	69	0.8
<i>T13</i>	45.7	46.9	1.2	130	1.1
<i>T14</i>	4.0	20.5	16.5	384	0.6
<i>incl.</i>	10.5	17.6	7.1	892	1.1
<i>T15</i>	8.5	13.2	4.7	46	0.5
<i>T16</i>	6.4	11.1	4.7	11	0.1
<i>T17</i>	No significant result				
<i>T18</i>	No significant result				
<i>T19</i>	6.5	25.2	18.7	126	0.5
<i>incl</i>	6.5	15.9	9.4	236	0.9
<i>T19</i>	43.8	47.0	3.2	9	0.1
<i>T20</i>	21.4	25.5	4.1	158	0.2
<i>T21</i>	13.7	22.0	8.3	507	1.7
<i>T21</i>	13.7	18.1	4.4	945	3.2
<i>incl.</i>	16.0	17.0	1.0	3,630	6.5
<i>T22</i>	10.8	24.7	13.9	33	0.1
<i>incl</i>	16.0	17.0	1.0	234	0.3
<i>T23</i>	7.7	11.7	4.0	11	0.1
<i>T23</i>	26.3	33.1	6.8	17	0.2

Mariana can acquire a 70% interest in the Sierra Blanca and nearby Cañadón Largo properties from IAMGOLD Corporation by expenditure of US\$2,000,000 by October 2009.

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4683400 mN

521200 mE

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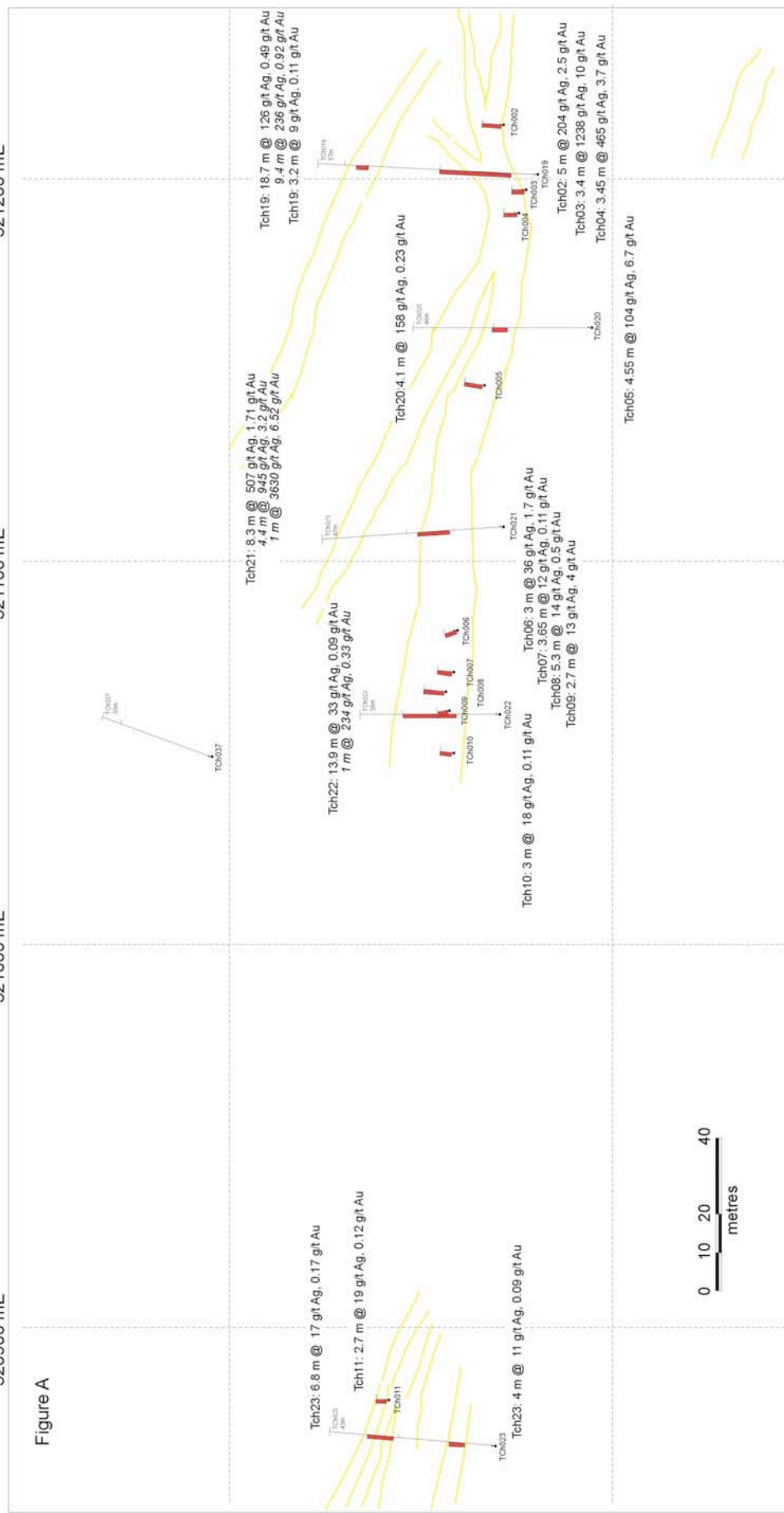
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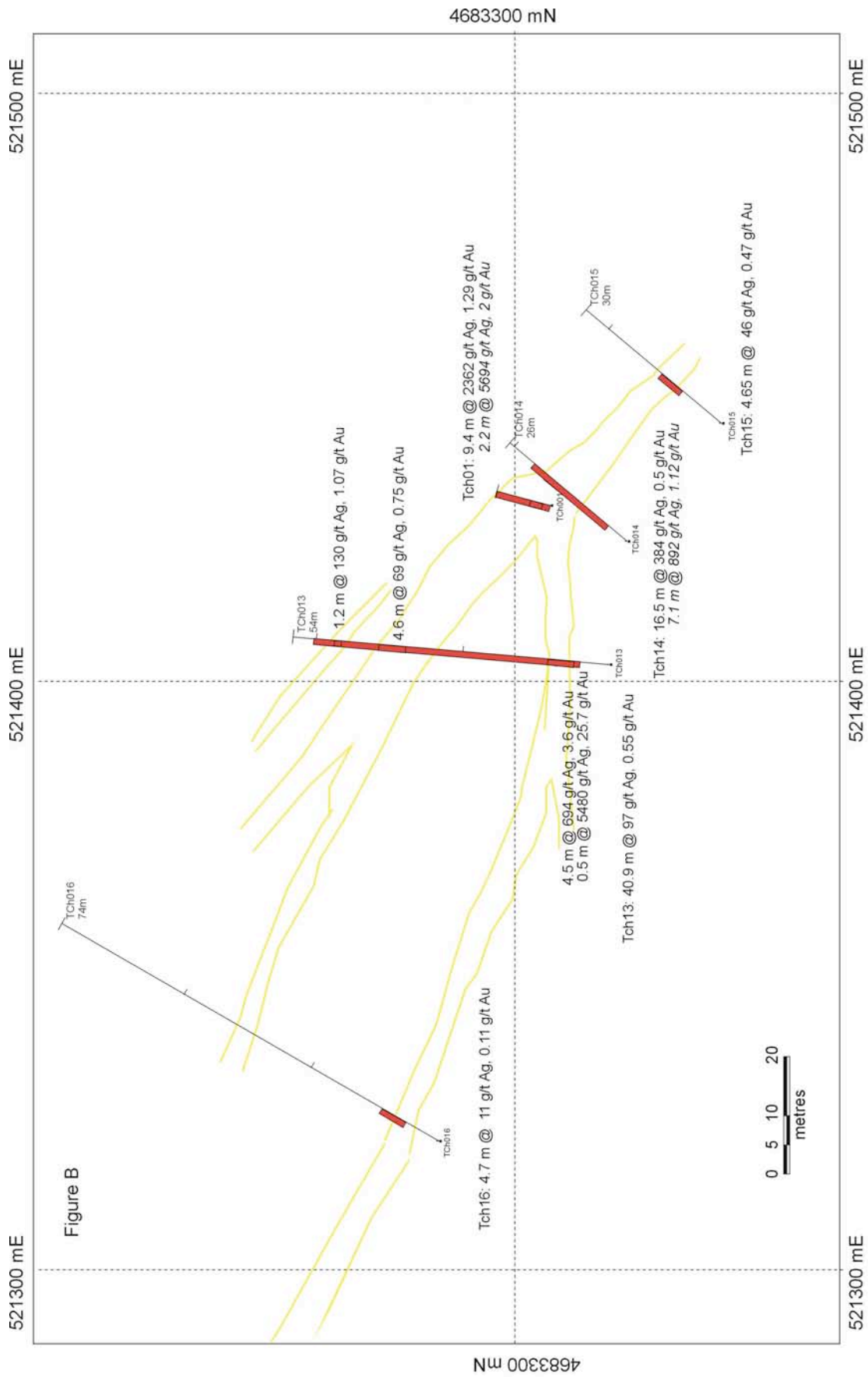
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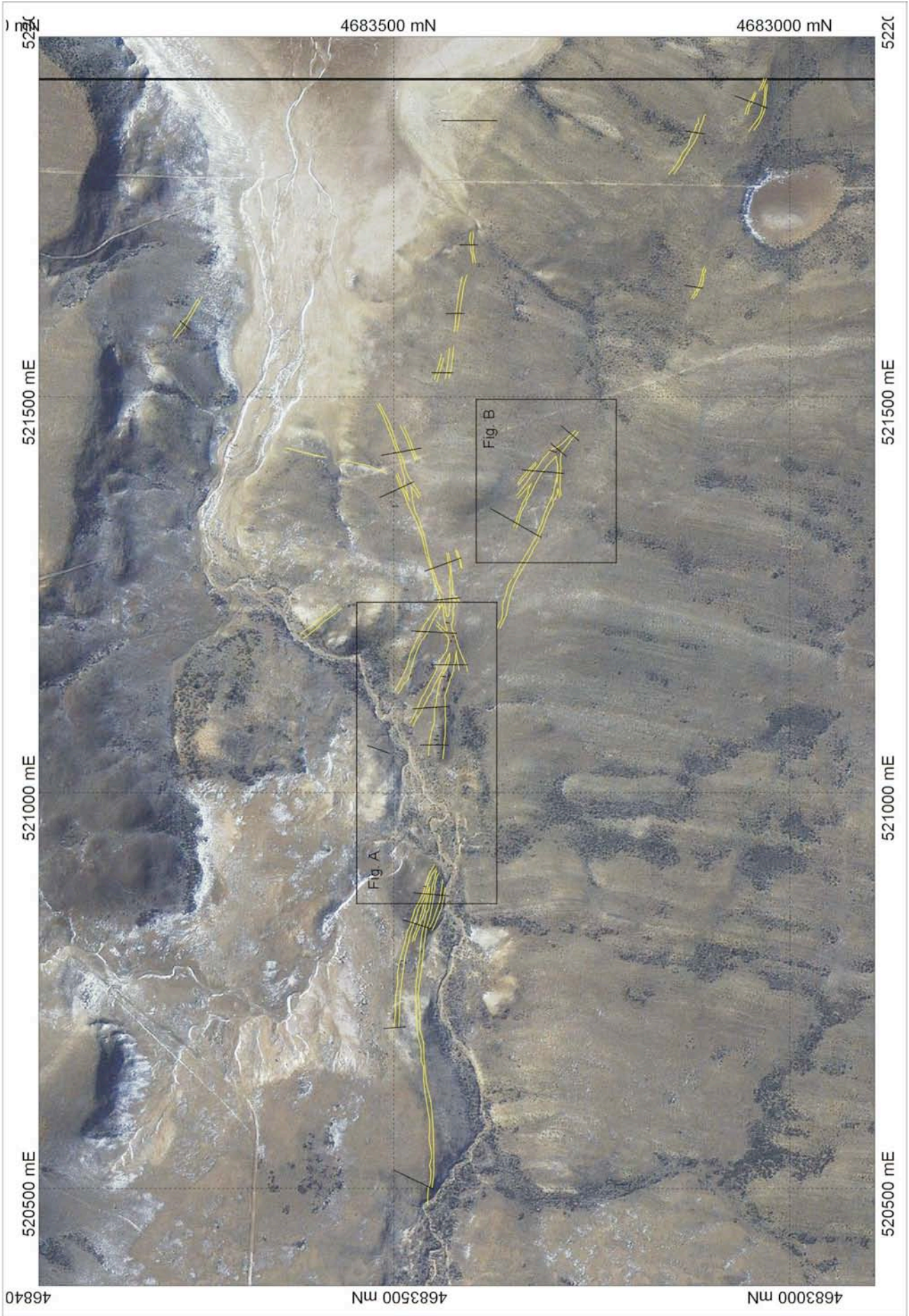
Figure A



4683500 mN

4683400 mN





ON BEHALF OF THE BOARD

John Sutcliffe
Managing Director

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ADDITIONAL INFORMATION

The exploration programme is being directed by the Argentina Exploration Manager, Dr Gustavo A. Rodriguez under supervision of Managing Director Mr John Sutcliffe. Exploration information in this announcement has been compiled by John Sutcliffe who is a Fellow of the Geological Society of London, a Chartered Engineer and a Member of the Institute of Mining and Metallurgy. Mr Sutcliffe has sufficient experience relevant to the style of mineralization and types of gold deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the JORC Code.

Quality Assurance/Quality Control

All technical information for the Company's Argentina projects is obtained and reported under a quality assurance and quality control (QA/QC) program. Rock chip samples in this release are collected as representative rock saw channel cuts. All samples are collected under the supervision of the Company geologists and dispatched via commercial transport to ALS Chemex laboratories in Mendoza, Argentina, and assayed in Santiago de Chile. ALS Chemex's quality system complies with the requirements for the International Standards ISO 9001:2000 and ISO 17025: 1999. Samples returning greater than 10 g/t gold and/or greater than 100 g/t silver are assayed using gravimetric analyses.

Systematic assaying of sample duplicates and commercially prepared standards and blanks is performed for analytical reliability. Mariana independently inserts "in-house" and certified control standards, coarse field blanks, and duplicates into the sample stream to monitor data quality.

Mariana inserts a minimum of 6 % control samples in all sample batches. During this sample campaign Mariana inserted a total of 23 control samples (8.8% of control samples) which included 8 duplicated, 8 blind and 7 "in-house" high-grade samples Au-Au from T1.

The results of all data quality controls are carefully reviewed prior to the public release of any data.