

# MICRO-RIG DIAMOND DRILLING CONFIRMS HIGH-GRADE MINERALISATION AT LA PLATA PROSPECT

**5 March 2018** - Santana Minerals Limited ("Santana") is pleased to report highly encouraging results from its recently completed portable micro-rig diamond drilling program undertaken at the La Plata Prospect within the Company's Cuitaboca Project in Sinaloa, Mexico.

Previous field work including diamond saw channel trenching and rock chip sampling identified high grade surface mineralisation over 2km of interpreted strike length at the La Plata prospect. As a precursor to road construction for RC drilling the Company commenced a small-scale micro-rig drill program to test the continuation of the grade below surface and to give an indication of vein direction.

The Company is pleased to report 16 of the 32 assayed samples from this micro-rig program returned greater than 50g/t Ag and included the following material results (**Figure 1**).

DDLPT010 1.43m @ 293 g/t Ag + 0.41 g/t Au from surface

DDLPT012 0.89m @ 52 g/t Ag + 0.76 g/t Au from surface

DDLPT013 3.35m @ 182 g/t Ag from surface

including 0.9 m @ 267 g/t Ag + 0.17 g/t Au

DDLPT014 4.91m @ 75 g/t Ag + 0.19 g/t Au from surface; and

1.32m @ 0.95 g/t Au from 5.91m

DDLPT015 1.67m @ 336 g/t Ag from surface

including 0.88m @ 460 g/t Ag + 0.21 g/t Au

DDLPT016 1.76m @ 125 g/t Ag from surface

including 0.26m @ 351 g/t Ag + 0.14 g/t Au

DDLPT018 6.93m @ 73 g/t Ag from surface

ASX: SMI



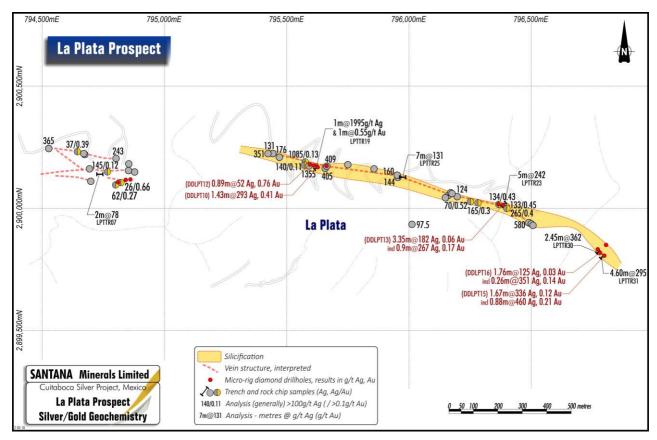


Figure 1

These drill results provide further encouragement to the previously reported trenching results:

| LPTTR-07 | 2.00m @ 78 g/t Ag                            |
|----------|--|
| LPTTR-19 | 1.00m @ 1,995 g/t Ag                         |
| LPTTR-23 | 5.00m @ 242 g/t Ag                           |
| LPTTR-25 | 7.00m @ 131 g/t Ag (including 3m @278g/t Ag) |
| LPTTR-30 | 2.45m @ 362g/t Ag including:                 |
|          | 1.00m @ 158g/t Ag                            |
|          | 0.85m @ 603g/t Ag                            |
|          | 0.60m @ 362g/t Ag                            |
| and      |  |
| LPTTR-31 | 4.60m @ 295g/t Ag including:                 |
|          | 1.00m @ 450 g/t Ag                           |
|          | 1.00m @ 322 g/t Ag                           |
|          | 1.00m @ 306 g/t Ag                           |
|          | 0.90m @ 188 g/t Ag                           |
|          | 0.70m @ 160 g/t Ag                           |
|          |  |



The program has reaffirmed the highly prospective nature of La Plata and the Company will now assess the best way to advance the La Plata, Mojardina and Santa Eduviges prospects and the regional exploration in the Northern Zone where the coincidence of gold and hydrothermal haematite occurs.

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#### **About Santana**

Santana is a precious metals explorer focused on Mexico where it's primary focus is earning an initial 80% interest in the Cuitaboca Silver-Gold project in Sinaloa State. Santana also holds 100% of the Namiquipa Silver Project in Chihuahua.

Additional information about Santana and its projects is available on the website: www.santanaminerals.com

#### Competent Person/Qualified Person.

The information in this report that relates to exploration targets, exploration results, mineral resources or ore reserve is based on information compiled by Mr Jason Beckton, who is a Member of the Australian Institute of Geoscientists. Mr Beckton is a part time consultant to Santana. Mr Beckton has sufficient experience which 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 Beckton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## JORC Code, 2012 Edition – Table 1 CUITABOCA EXPLORATION PROGRAM REPORT:

### A. DIAMOND DRILLING Sampling

### **Section 1 Sampling Techniques and Data**

| Criteria                 | JORC Code explanation   | Commentary  |
|--------------------------|---|---|
| Sampling<br>techniques   | <ul> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul> | Diamond Drill Sampling Standard diamond drill techniques were used to collect whole core for analysis; drillholes were oriented transverse to vein                                    |
| Drilling<br>techniques   | <ul> <li>Drill type (eg core, reverse circulation, open-hole<br/>hammer, rotary air blast, auger, Bangka, sonic, etc)<br/>and details (eg core diameter, triple or standard tube,<br/>depth of diamond tails, face-sampling bit or other<br/>type, whether core is oriented and if so, by what<br/>method, etc).</li> </ul>   | Drill Core was collected using a small man-portable drill rig configured for standard conventional diamond tool with an outside diameter of 46mm (TT46).                              |
| Drill sample<br>recovery | <ul> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>  | Recovery was measured to determine core loss if any. Core loss was minimal with over 90% recovery recorded in all parts. No grade recovery relationship is determined at report date. |
| Logging                  | <ul> <li>Whether core and chip samples have been<br/>geologically and geotechnically logged to a level of<br/>detail to support appropriate Mineral Resource<br/>estimation, mining studies and metallurgical studies.</li> </ul>   | Diamond core samples were logged for lithology, alteration, structure and mineralization under the supervision of a qualified geologist. Core was photographed wet & dry.             |

| Criteria  | JORC Code explanation   | Commentary  |
|---|---|---|
|   | <ul> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>   |   |
| Sub-sampling<br>techniques and<br>sample<br>preparation | <ul> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all subsampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul> | Diamond Core was whole core sampled on stratigraphic intervals between 0.25 and 1.75m with an average of 1m Standards were inserted every 30 samples.  Standards were inserted every 30 samples.  |
| Quality of assay<br>data and<br>laboratory tests        | <ul> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>  | <ul> <li>Diamond Drill Sampling</li> <li>Samples are stored in a secure location and transported to the ALS laboratory in Hermosillo for sample preparation of fine crush, riffle split and pulverizing of 1kg to 85% &lt; 75μm.</li> <li>Pulps are analyzed by ALS Vancouver (Canada) using method code ME-ICP61a, a 33 element determination using a four acid digestion, Au-AA26.</li> </ul> |
| Verification of sampling and assaying                   | <ul> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>   | Diamond Drill Sampling Laboratory CSV files are merged with drill logs using unique sample number as the key.  No adjustments were made to assay data   |
| Location of data points                                 | <ul> <li>Accuracy and quality of surveys used to locate drill<br/>holes (collar and down-hole surveys), trenches, mine<br/>workings and other locations used in Mineral<br/>Resource estimation.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>   | Diamond Drill Sampling Drillholes were located using handheld GPS receivers. UTM projection WGS84 Zone 12R. The topographic control, using handheld GPS, was adequate for the survey.   |
| Data spacing and distribution                           | <ul> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient</li> </ul>   | <ul> <li>Drillholes were located to test depth continuity below surface channel sampling.</li> <li>No compositing has been applied.</li> </ul>  |

| Criteria   | JORC Code explanation  | Commentary   |
|--|--|--|
|  | to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.  Whether sample compositing has been applied.   |  |
| Orientation of<br>data in relation to<br>geological<br>structure | <ul> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul> | <ul> <li>Drillholes oriented transverse to vein structure</li> <li>No bias is believed to be introduced by the sampling method.</li> </ul>             |
| Sample security  | The measures taken to ensure sample security.  | <ul> <li>Samples were delivered to ALS Minerals laboratory in Hermosillo by Santana geologist and were not left unattended at<br/>any time.</li> </ul> |
| Audits or reviews  | The results of any audits or reviews of sampling techniques and data.  | No audits or reviews of the data management system have been carried out.  |

## **Section 2 Reporting of Exploration Results**

| Criteria                                      | JORC Code explanation   | Commentary   |
|---|---|--|
| Mineral tenement<br>and land tenure<br>status | <ul> <li>Type, reference name/numb<br/>ownership including agreem<br/>with third parties such as joi<br/>partnerships, overriding roya<br/>interests, historical sites, wil<br/>and environmental settings.</li> <li>The security of the tenure he<br/>reporting along with any kno<br/>obtaining a license to operate</li> </ul> | which consists of 100% of the mining concessions: El Chapotal (126ha), San Rafael (528ha), Nuestra Senora del Carmen (79.46ha), San Pedro (29ha), Jesus Maria (13.6ha), San Rafael II (540ha), Cuitaboca (2,402ha) and Las Sapos (1,386ha). The commercial terms consist of multiple option payments which form part of a total purchase price of US\$3.5M. The seller retains a 2.5% Net Smelter Royalty.  The laws of Mexico relating to exploration and mining have various requirements. As the exploration advances specific filings and environmental or other studies may be required. There are ongoing requirements under Mexican mining laws   |
| Exploration done by other parties             | Acknowledgment and appra<br>other parties.  | <ul> <li>The first report of mining in the Cuitaboca area was between 1760 and 1810 with small scale mine workings. In 1883         American and English investors took control of the Cuitaboca mining operations which continued for nearly a century.         Between 1974 and 1975 Servicios Industriales Penoles undertook systematic exploration using surface and underground geological mapping and the collection of 180 samples. In 2006 Canadian-based First Majestic acquired the property after a merger with First Silver Reserve and initiated &gt;300m of underground development at Colateral Mine which delineated a quartz-galena-sphalerite vein that reported elevated Ag-Pb-Zn. First Majestic withdrew from the project in late 2008 and retained no interest.</li> </ul> |

| Criteria    | JORC Code explanation   | Commentary   | У  |  |  |  |   |  |  |
|-------------|---|--|--|--|--|--|---|--|--|
| Geology     | <ul> <li>Deposit type, geological setting and style of<br/>mineralisation.</li> </ul>                         | Within the Cuitaboca project area there have been 9 discreet polymetallic low sulphidation epithermal Ag-Au veins recognised that have undergone historical manual mining. Other low sulphidation epithermal polymetallic Ag-Au vein deposits host most ore within ore shoots at the coincidence of ore controls defined as: competent host rocks, dilatant structures, higher Au-Ag grade mineralisation styles and efficient mechanisms of Au-Ag deposition.   |  |  |  |  |   |  |  |
|             |   | rhyolites o<br>delineatior<br>fissure vei<br>rocks corre   | of the Sierra<br>n of the ande<br>in mineralisa  | Madre Online Madre Online Hesite flow ation. In the ation | ccidental V<br>s, and loca<br>he Colatera<br>ncrease in A  | olcanics, ha<br>Illy welded to<br>Il adit the tra<br>Ag and 2509   | ve been plauffs, recogn<br>Insition fron<br>increase  | aced in a straised as the nincompete   | cs and volcaniclastic rocks and lesser atigraphic succession as an aid to the most favourable rocks to host through going ant lapilli tuff to competent andesite host s. An exploration target occurs where  |
|             |   | association locally display competent derived from EW, where trending treatments and the distance of the control of the contro | on with region play a relation to andesites. The play a relation of the play and pla | onal extensionship to Steeper of  | sion within rock comporting the stant flexure is should hose the segment can polymeta with galena and rhodochi | the Sierra Metency as many host better es were ider st core shoot the listric familic Ag-Pb-Za, mostly yell rosite), barit | Madre. NW to oderate dip veins within tiffed as chats. Interpretaults and common (± Au) be ow sphaler | trending veit<br>pping structung<br>in listric fault<br>anges in the<br>tation of the<br>pontribute tow<br>earing epithe<br>ite, argentite | eted as listric style normal faults formed in a dips vary from steep to moderate and may be stricked to steeper dips in the more environments. Using a structural model estrike of veins from NW towards the WNW-regional digital terrain model suggests NNE wards the localisation of mineralisation. |
| Drill hole  | A summary of all information material to the  | retrograde chlorite-illite/smectite alteration  Collar and Survey Information  |  |  |  |  |   |  |  |
| Information | understanding of the exploration results including a tabulation of the following information for all Material |  |  |  |  |  |   |  |  |
|             | drill holes:  |  | 61.5   |  |  |  | Az  | Depth (m)  |  |
|             | <ul> <li>easting and northing of the drill hole collar</li> </ul>   |  |  |  | 837  | -32  | 135   | 4.63   |  |
|             | <ul> <li>elevation or RL (Reduced Level – elevation</li> </ul>  | Receivarial IV. Sarahura Cons  | Tel. (2007) (1007)   |  | 848<br>858   | -21<br>-30   | 183<br>160  | 5.73   |  |
|             | above sea level in metres) of the drill hole collar   |  |  |  | 1027   | -5   | 160   | 10.23  |  |
|             | o dip and azimuth of the hole   |  |  |  | 1004   | -3   | 172   | 1.43   |  |
|             | <ul> <li>down hole length and interception depth</li> <li>hole length.</li> </ul>                             | DDLPT-010A 79  | CONTRACTOR DESCRIPTION DESCRIPTION   |  | 1004   | -5   | 141   | 9.95   |  |
|             | If the exclusion of this information is justified on the  |  |  |  | 993  | -11  | 190   | 0.73   |  |
|             | basis that the information is not Material and this   |  |  |  | 982  | -45  | 182   | 0.89   |  |
|             | exclusion does not detract from the understanding of  | DDLPT-013 79   | 96385 29   | 900014   | 1074   | -42  | 228   | 8.18   |  |
|             | the report, the Competent Person should clearly   | DDLPT-014 79   | 96366 29   | 900018   | 1075   | -45  | 235   | 7.53   |  |
|             | explain why this is the case.   |  | ST STREET, TOWNS THE   |  | 1102   | -45  | 253   | 1.67   |  |
|             |   | DDI DT 016 70  | 06793 39   | 000016   | 1107   | A.F.   | 225   | 1 76   |  |

Map Projection WGS84 Zone 12R

DDLPT-016 796783

DDLPT-017 796806

DDLPT-018 796772

2899816

2899850

2899832

1107

1092

1092

-45

-30

-60

235

210

257

1.76

3.65

6.93

| Criteria                    | JO | RC Code explanation   | Commentary                    |          |            |            |            |        |      |       |
|-----------------------------|----|---|-------------------------------|----------|------------|------------|------------|--------|------|-------|
|                             |    |   | HoleID                        | From     | То         | Length     | Au g/t     | Ag g/t | Pb % | Zn %  |
|                             |    |   | DDLPT-006                     | 0        | 2.21       | 2.21       | 0.02       | 3      | 0.0  | 0.1   |
|                             |    |   | DDLPT-007                     | 1        | 3.35       | 2.35       | 0.04       | 21     | 0.2  | 0.7   |
|                             |    |   | DDLPT-008                     | 9.2      | 10.2       | 1.03       | 0.03       | 35     | 0.1  | 0.0   |
|                             |    |   | DDLPT-009                     | 0        | 1.03       | 1.03       | 0.03       | 18     | 0.1  | 0.0   |
|                             |    |   | DDLPT-010                     | 0        | 1.43       | 1.43       | 0.41       | 293    | 0.4  | 0.1   |
|                             |    |   | DDLPT-010A                    | 0        | 1.36       | 1.36       | 0.01       | 18     | 0.0  | 0.1   |
|                             |    |   | DDLPT-011                     | 0        | 0.6        | 0.6        | 0.02       | 8      | 0.1  | 0.2   |
|                             |    |   | DDLPT-012                     | 0        | 0.89       | 0.89       | 0.76       | 52     | 0.0  | 0.1   |
|                             |    |   | DDLPT-013                     | 0        | 3.35       | 3.35       | 0.06       | 182    | 0.7  | 0.8   |
|                             |    |   |                               | incl     | uding      | 0.9        | 0.17       | 267    | 1.3  | 0.4   |
|                             |    |   | DDLPT-014                     | 0        | 4.91       | 4.91       | 0.19       | 75     | 0.2  | 0.5   |
|                             |    |   |                               | 5.91     | 7.23       | 1.32       | 0.95       | 19     | 0.1  | 0.1   |
|                             |    |   | DDLPT-015                     | 0        | 1.67       | 1.67       | 0.12       | 336    | 0.0  | 0.4   |
|                             |    |   |                               | incl     | uding      | 0.88       | 0.21       | 460    | 0.0  | 0.4   |
|                             |    |   | DDLPT-016                     | 0        | 1.76       | 1.76       | 0.03       | 125    | 0.0  | 0.2   |
|                             |    |   |                               | incl     | uding      | 0.26       | 0.14       | 351    | 0.1  | 0.3   |
|                             |    |   | DDLPT-017                     | 0        | 2.95       | 2.95       | 0.05       | 18     | 0.1  | 0.4   |
|                             |    |   |                               | incl     | uding      | 0.56       | 0.21       | 18     | 0.1  | 0.6   |
|                             |    |   | DDLPT-018                     | 0        | 6.93       | 6.93       | 0.01       | 73     | 0.0  | 0.4   |
|                             |    |   | Mineralized Dian              | nond Dri | II Interce | epts acros | s La Plata | :      |      |       |
| Data aggregation<br>methods | •  | In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal | Equivalent g     Assay interv |          |            |            |            |        |      | data. |

| Criteria   | JORC Code explanation  | Commentary  |
|--|--|---|
| Relationship<br>between<br>mineralisation<br>widths and<br>intercept lengths | <ul> <li>equivalent values should be clearly stated.</li> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul> | The reported mineralized intervals are based on a 20 g/tAg or 0.1 g/t Au lower cutoff grade, whichever is applicable. |
| Diagrams   | Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.  | The location and results received for diamond drill samples are displayed in the attached maps and/or Tables.         |
| Balanced reporting   | <ul> <li>Where comprehensive reporting of all Exploration<br/>Results is not practicable, representative reporting of<br/>both low and high grades and/or widths should be<br/>practiced to avoid misleading reporting of<br/>Exploration Results.</li> </ul>  | Results for mineralized intervals collected in this program are displayed on the attached maps and/or Tables.         |
| Other substantive exploration data   | Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.  | No metallurgical or bulk density tests were conducted at the project.   |
| Further work   | <ul> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>  | Further work is dependent on management review of the existing data.  |