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## NEWS RELEASE

# Trevali expands high-grade mineralization at Magistral North deposit

## Intersects significant footwall mineralization – opens up new target

### Highlights include:

**SAN-121 – 31.95 metres at 239 g/t (7 oz/t) silver, 3.61% lead, 7.96% zinc & 0.18% copper**  
**SAN-122 – 3.2 metres at 323 g/t (9.4oz/t) silver, 18.11% lead, 15.97% zinc & 0.3% copper**

TRC-NR-10-02

February 8, 2010

Vancouver, British Columbia...Trevali Resources Corp. (“Trevali” or the “Company”) (CNSX: TV, Frankfurt: 4TI, Pink Sheets: TREVF) is pleased to announce that drilling continues to expand a thick zone of high-grade, silver-rich base metal mineralization in the Magistral North deposit on the Santander silver-lead-zinc mine project in west-central Peru. Additionally, exploration drill testing of a Magistral North deposit foot-wall target concept intersected a new zone of high-grade polymetallic mineralization – returning **2.25 metres at 282.2g/t (8.2oz/t) silver, 11.55% lead, 10.07% zinc and 0.34% copper**. The mineralization is interpreted to represent a potential feeder zone and is broadly perpendicular to the main Magistral North body. Critically the intercept opens up a significant east-west trending structural-target zone with excellent exploration potential.

"Our highly successful Santander drill program continues to deliver impressive results with these latest holes turning in some of the highest-grade intervals across major widths encountered to date," states Mark Cruise, Trevali's President and CEO. "The Company looks forward to a continuous flow of positive drill results in the coming months culminating in an updated NI43-101 resource estimate and PEA study in addition to advances on the engineering side from our partners Glencore International as we advance Santander towards production."

### Key drilling highlights include:

- Latest results continue to return and build upon multiple zones of recently intersected thick, high-grade mineralization in the Magistral North deposit (see NR-10-01 for details).

- Ongoing high-grade silver intercepts (for the deposit type) from both near-surface and deeper levels are suggestive of excellent silver continuity. Silver values are remaining constant – highly indicative of a large polymetallic system.
- Magistral North copper values are ranging from 0.14 to 0.3%. These results are not captured in the current resource estimate. Historically the former mining operation produced a saleable copper concentrate – future studies will seek to assess this potential.
- Positive proof-of-concept of foot-wall target model. These results build upon and extend the multiple zones of footwall mineralization intersected by SAN-098 in early 2009 – which included the following intervals (see NR-09-03 for details):

**4.45 m @ 107.4 g/t (3.1 oz/t) Ag, 9.92% Pb, 10.3% Zn & 0.49% Cu**

**3.6 m @ 87 g/t (2.5 oz/t) Ag, 8.4% Pb, 8.96% Zn & 0.11% Cu**

- Similar high-grade ‘feeders’ should be present in both the Magistral Central and South deposits thereby opening up the eastern extents of all three deposits.

**Table 1: Summary assay results – Magistral North Deposit**

<b>Zone / Borehole (dip / azimuth)</b>	<b>From – To (metres)</b>	<b>Downhole Interval</b>	<b>Ag oz/t (g/t)</b>	<b>Pb %</b>	<b>Zn %</b>
Magistral North SAN-121 (-70° / 60°)	<b>124.8 – 126.75m</b>	<b>1.95m</b>	<b>6.1oz/t (209.1g/t)</b>	<b>2.23%</b>	<b>4.75%</b>
	148.35 – 149.3m	0.95m	3.5oz/t (120g/t)	2.36%	0.8%
	<b>200.8 – 232.75m</b>	<b>31.95m</b>	<b>7oz/t (239g/t)</b>	<b>3.61%</b>	<b>7.96%</b>
	<b>Inc 213.8 – 223.05m</b>	<b>9.25m</b>	<b>10.8oz/t (370g/t)</b>	<b>4.27%</b>	<b>11.04%</b>
	239.85 – 240.35m	0.5m	9.8oz/t (336.3g/t)	1.84%	9.46%
Magistral North SAN-122 (-35° / 140°)	<b>22.95 – 28.5m</b>	<b>5.55m</b>	<b>5.9oz/t (200.8g/t)</b>	<b>2.1%</b>	<b>5.4%</b>
	<b>Inc 25.3 – 27.15m</b>	<b>1.85m</b>	<b>12oz/t (410.8g/t)</b>	<b>3.65%</b>	<b>7.85%</b>
	<b>37 – 47.35m</b>	<b>10.35m</b>	<b>3oz/t (104g/t)</b>	<b>6.04%</b>	<b>5.97%</b>
	<b>Inc 44.15 – 47.35m</b>	<b>3.2m</b>	<b>9.4oz/t (323.4g/t)</b>	<b>18.11%</b>	<b>15.97%</b>
	<b>118 – 120.4m</b>	<b>2.25m</b>	<b>8.2oz/t (282.2g/t)</b>	<b>11.55%</b>	<b>10.07%</b>
	<b>132.1 – 133.m</b>	<b>1.6m</b>	<b>2.2oz/t (74.4g/t)</b>	<b>6.81%</b>	<b>8.13%</b>

## PROJECT BACKGROUND

The Santander silver-lead-zinc mine project is located approximately 215 km by road from Lima, in the western extent of Peru’s world-class Central Polymetallic Belt. Site infrastructure includes a fully refurbished 200-man camp and the Tingo hydroelectric power-station located 17 km down-valley to the west. The Company commenced exploration at Santander in November 2007 discovering four new high-grade silver-lead-zinc replacement and massive sulphide bodies to date. Mineralization remains open in all three Magistral deposits, the Puajanca zone and the past-producing Santander Pipe, and numerous high-priority targets remain to be tested on the Company’s large, 100%-owned land package.

#### **QUALIFIED PERSON AND QUALITY CONTROL/QUALITY ASSURANCE**

EurGeol Dr. Mark D. Cruise, Trevali's President and CEO and a qualified person as defined by National Instrument 43-101, has supervised the preparation of the scientific and technical information that forms the basis for this news release. Dr. Cruise is not independent of the Company, as he is an officer and shareholder.

The work programs at Santander were designed by, and are supervised by, Dr. Mark D. Cruise, President & CEO, Trevali, and Tim Kingsley (independent geological consultant), who together are responsible for all aspects of the work, including the quality control/quality assurance program. On-site personnel at the project rigorously collect and track samples which are then security sealed and shipped to ACME Laboratories, Vancouver, for assay. ACME's quality system complies with the requirements for the International Standards ISO 9001:2000 and ISO 17025: 1999. Analytical accuracy and precision are monitored by the analysis of reagent blanks, reference material and replicate samples. Quality control is further assured by the use of international and in-house standards. Blind certified reference material is inserted at regular intervals into the sample sequence by Trevali personnel in order to independently assess analytical accuracy. Finally, representative blind duplicate samples are routinely forwarded to ACME and an ISO-compliant third party laboratory for additional quality control.

#### **ABOUT TREVALI RESOURCES CORP.**

The Company in conjunction with partner Glencore International A.G. has entered into a definitive development agreement for the Santander project that will see Glencore provide and operate a 2,000-tonne-per-day concentrate plant, undertake mining operations on a 'contractor/toll basis' and enter into a long-term concentrate offtake agreement for 100% of Santander project production at benchmark terms.

Additionally, through its wholly owned subsidiary Trevali Renewable Energy Inc., the Company is undertaking a significant upgrade of the Tingo run-of-river hydroelectric generating facility along with transmission line upgrades and extensions to allow the potential sale of surplus power into the Peruvian National Energy Grid.

The common shares of the Company are currently listed on the CNSX (symbol TV). For further details on the Company, readers are referred to the Company's web site ([www.trevali.com](http://www.trevali.com)) and to Canadian regulatory filings on SEDAR at [www.sedar.com](http://www.sedar.com).

On Behalf of the Board of Directors of  
**TREVALI RESOURCES CORP.**

*"Mark D. Cruise" (signed)*  
Mark D. Cruise, President

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The CNSX has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.