

Selective Chip Sample Assays of 13.2 g/t and 17.2 g/t Gold; and 185.0 g/t and 2,430.0 g/t Silver Announced by Enertopia

Vancouver, BC—Enertopia Corporation (ENRT-OTCBB) (TOP-CNSX) (the "Company" or "Enertopia") is pleased to report assay sample results from the initial site visit on May 17 to May 19 at the Arizona Gold - Copper – Silver property. Highlights are as noted:

- MP-008: 13.2 g/t Au 96.0 g/t Ag 0.0% Cu. Selective chip sample of historic high grade gold pit on 1,800 acres under ROFR.
- MP-010: 0.3 g/t Au 97.1 g/t Ag 0.0% Cu. Selective chip sample of surface rock second on 5,000 acres under binding LOI.
- MP-030: 0.0 g/t Au 185.0 g/t Ag 1.5% Cu. Selective chip sample on 1,000 acres under ROFR.
- MP-036: 17.2 g/t Au 2,430.0 g/t Ag 16.1% Cu. Selective chip sample on 1,000 acres under ROFR.

As announced on July 21, 2011, Enertopia signed a binding LOI to option 100% of approx 5,000 acres of State Mineral Exploration Permits in Arizona, USA. As part of the same agreement, the company has also signed an ROFR (Right of First Refusal) on ~1,000 acres of federal mining claims and a ROFR on ~1,800 acres of state and federal lands. All lands are adjacent to each other with specific locations not being disclosed at this time for competitive reasons.

Twenty-eight samples were collected from the above three land packages, and analysed by Skyline Laboratories, an ISO accredited facility based in Tucson Arizona, for gold, silver and copper.

First Sample Group.

The first group of samples are from the ~1,800 acres of state and federal lands under ROFR. There are many outcrops and old prospector pits that show past mining activities at surface. It has been defined by historic widespread rock chip sampling and a partially co-incident soil anomaly which extends the currently defined limits of the mineralized gold zone that has been traced on surface for 7,000 feet along strike and appears to average 500 feet in width. Historic drilling of 35 holes has taken place up to 150 feet of depth, with hole SH-3 having returned 75 feet of 2.35g/t gold beginning at 55-foot depth, from an Airtrak percussion drill. (Note that the historic drilling results have not been verified.)

Table 1 summarizes the selective rock chip data from Enertopia's May 2011 site visit as reported by Skyline Laboratories. The selective rock chip samples were collected from the highly altered Jurassic conglomerate which may host the potential for a bulk tonnage gold & silver mineralization.

| TABLE 1 | | | |
|----------|--------|--------|------|
| Sample # | Au g/t | Ag g/t | Cu % |
| 1 MP-002 | 0.27 | 6.0 | 0.03 |
| 2 MP-003 | 0.11 | 2.3 | 0.01 |
| 3 MP-004 | 0.06 | 0.4 | 0.01 |

| | | | | |
|---|--------|-------|------|------|
| 4 | MP-005 | 0.02 | 0.3 | 0.01 |
| 5 | MP-006 | 18 | 0.6 | 0.01 |
| 6 | MP-008 | 13.20 | 96.0 | 0.01 |
| 7 | MP-009 | 0.08 | 2.6 | 0.01 |

Note: Sample MP-002 is a grab sample from the gold bullion waste pile and cannot be considered representative of the waste pile.

- 1) Selective Chip Samples MP-003 to MP-006 and MP-009 were taken from locations away from any known historic high grade zones or drilling to test for background gold and silver values in the highly altered iron stained Jurassic conglomerate.
- 2) Grab Sample MP-008 sampled an old high grade exploration pit with pervasive silica flooding, results confirming the high grade nature of the vein.

Second Sample Group.

These samples are from the 5,000 acre state land package under binding LOI. Samples MP-013 to MP-019 were widely spaced samples covering an area of 3,000 feet by 3,000 feet in the east central portion of the state land package. Historic drilling has returned results of 2.7 feet of between 1.37g/t Au and 16.12 g/t Ag; and 26 feet of 2.95 g/t Au and 32.35 g/t Ag. Starting from surface above and below this higher grade zone is a large halo of lower grade gold mineralization running from 0.05 g/t Au to 0.98 g/t Au to 150' in vertical depth. The selective rock chip samples were collected from the altered Jurassic conglomerate which may host the potential for a bulk tonnage gold & silver mineralization.

| TABLE 2 | | | | |
|----------|--------|--------|------|------|
| Sample # | Au g/t | Ag g/t | Cu % | |
| 8 | MP-010 | 0.30 | 97.1 | 0.01 |
| 9 | MP-011 | 0.06 | 7.3 | 0.01 |
| 10 | MP-013 | 0.15 | 0.6 | 0.01 |
| 11 | MP-014 | 0.31 | 10.1 | 0.01 |
| 12 | MP-016 | 0.00 | 0.1 | 0.01 |
| 13 | MP-017 | 0.24 | 3.7 | 0.01 |
| 14 | MP-019 | 0.39 | 2.5 | 0.01 |

- 1) Selective Chip Sample MP-016 was taken from an area of argillite and had no visible oxide staining.

Third Sample Group.

The third sample group are from three distinct areas of copper mineralization from the ~1,000 acres under a ROFR. Historic work in this area has consisted of chip sampling and shallow trenching of copper oxide outcrops. There appears to be three distinct areas of copper mineralization all along the same NNE strike. Historic sampling of these sulphide and oxide mineralized zones shows the apparent decrease in silica seen in the eastern and northern project areas and the increase in calcite and manganese. Selective Chip samples MP-020 through MP-034 cover an area of 60-300 feet wide dipping steeply to the west, by more than 1,000 feet along strike. Selective Chip Sample MP-036 is an old mine area approximately 1,800 feet along strike to the south west. MP-037 through MP-041 cover an area of about 1,000 feet by 500 feet open along strike and down dip and 1,200 feet south of sample MP-036.

| TABLE 3 | | | | |
|----------|------------|--------|------|------|
| Sample # | Au g/t | Ag g/t | Cu % | |
| 15 | MP-020-024 | 0.06 | 14.3 | 0.15 |
| 16 | MP-025 | 0.01 | 3.2 | 0.17 |
| 17 | MP-026 | 0.12 | 3.8 | 0.01 |

| | | | | |
|----|--------|-------|---------|-------|
| 18 | MP-027 | 0.00 | 0.0 | 0.00 |
| 19 | MP-029 | 0.01 | 59.1 | 1.50 |
| 20 | MP-030 | 0.01 | 185.0 | 1.48 |
| 21 | MP-031 | 0.00 | 11.6 | 0.30 |
| 22 | MP-032 | 0.02 | 25.7 | 2.66 |
| 23 | MP-033 | 0.00 | 40.1 | 0.05 |
| 24 | MP-034 | 0.03 | 77.3 | 1.82 |
| 25 | MP-036 | 17.20 | 2,430.0 | 16.12 |
| 26 | MP-037 | 0.06 | 21.5 | 0.17 |
| 27 | MP-039 | 0.07 | 37.5 | 0.72 |
| 28 | MP-041 | 0.02 | 4.0 | 1.36 |

- 1) Selective Chip Samples MP-029 through MP-034 were taken perpendicular to the strike of the northern copper showing. Across what appears to be a true thickness of up to 60 feet.
- 2) Selective Chip sample MP-036 was to confirm high-grade historic numbers and our sampling confirmed this with 17.2g gold, 80 oz silver and 16.2% copper.

“The small sample size cannot be considered representative but, the size of the mineralizing system is impressive and the zonation from a gold-silver project in the north to a copper-silver system in the south west area of the project is intriguing” said Don Findlay, Qualified Person.

“We are pleased with the results of this sampling program, combined with the historic trenching and drilling results,” said Robert McAllister, President. “We have a number of very large targets, any one of which is substantial on its own, but that together offer us excellent potential for future systematic sampling, ground geophysics and drilling of these exciting targets.”

Donald Findlay, MSc. PGeo., a Qualified Person under the meaning of Canadian National Instrument 43-101, is responsible for the technical content of this press release. The Multi AAS method was used for the Cu analysis, and the AR AAS method was used for the Ag analysis. Assay results were received in ppb for gold, ppm for silver and Cu-TOT and were converted to g/t for gold and silver and percent for Copper.

About Enertopia

Enertopia’s shares are quoted in the USA with symbol ENRT and in Canada with symbol TOP. The company searches for projects that could provide potential above-market returns. For additional information, please visit www.enertopia.com or call Robert McAllister, President, Enertopia Corporation at 1.250.765.6422

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