



August 28, 2008

## **Pediment announces acquisition of El Triunfo Mineral Reserve, and Board change**

Pediment Exploration Ltd. (PEZ.V-PEZFF OTCBB) has acquired the El Triunfo national mineral reserve concessions which consolidates Pediment Exploration's prospective land package in Baja Sur, Mexico. Much of the mineralization is in shear zones, which for Pediment's team has proven to be a successful exploration environment. The El Triunfo concession group, held for more than 30 years in the Mexican National Mineral Reserve, was won by bid process. The concessions have more than an 8 km long common border with the existing Pediment ground, and they cover a continuous 7 km long series of historic mines that operated in the late 1800 to 1910 period as high-grade gold and silver vein mines. The main Triunfo targets are located about 7 km southwest of the Los Planes zone.

Please click on the link below for an updated location map including the El Triunfo concessions:

<http://www.pedimentexploration.com/i/pdf/2008-08-27-NRM.pdf>

Recent investigation has shown the mineralization is hosted in shear zones similar to Los Planes. The Mexican Geological Survey (SGM) has reported a historic non-NI 43-101 compliant resource listed for the Hormiguero-Soledad Mine that is 776,547 tonnes with 3.2 grams gold per tonne and 424 grams silver per ton, 1.99% lead and 2.3% zinc. Currently available data indicates much of the Triunfo mineralization is oxidized and may be treatable in a heap leach format. Several large target zones have been re-sampled by Pediment, but will receive additional detailed sampling in the near future. The total cost of the 6725.5 hectares concession group was approximately \$1.26 million USD and 1 to 3 percent variable production royalty. Upon completion of the final contract with the Mexican Geological Survey more detailed data about El Triunfo will be released.

Mel Herdrick, a qualified person as defined by NI 43-101, has read and approves this release.

Mel Herdrick, VP of Exploration comments: "Now, with the addition of the Triunfo concession group, this brings additional high-quality gold-silver targets for future exploration testing and consolidation of the district. The high-quality nature of this prospect and the possibility of adding nearby oxidized surface mineralized zones will compliment the near term future of a possible exploitable deposit such as Planes-Colinas."

The Company also reports that Ewan Downie has tendered his resignation as a member of the Board of Directors, in order to allocate more time to personal corporate commitments. Mr. Downie has been a member of the board since the Company's inception and has added tremendous value. The Company would like to thank Mr. Downie for his contributions and dedication to Pediment Exploration Ltd.

Pediment Exploration is a precious metals exploration and development company working in western Mexico on two key projects, La Colorada in Sonora and the San Antonio Gold Project in Baja California Sur, as well reconnaissance programs. The Company is well capitalized with more than \$17.5 Million in the bank and no debt.

For additional information please contact Gary Freeman or Michael Rapsch 604-682-4418.

On behalf of the board

Gary Freeman  
President & CEO

*The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this release.*

This press release contains forward-looking statements within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended, and Section 27E of the U.S. Securities Exchange Act of 1934, as amended, and within the meaning of Canadian securities laws, regarding the Triunfo concessions. Such statements include, without limitation, statements regarding the timing of future exploration activities by the Company, future anticipated exploration program results, the discovery and delineation of mineral deposits/resources/reserves, business and financing plans, potential mining scenarios, the success of mineral processing procedures, business trends and future operating costs and revenues. Although the Company believes that such statements are reasonable, it can give no assurance that such expectations will prove to be correct. Forward-looking statements are typically identified by words such as: believe, expect, anticipate, intend, estimate, postulate and similar expressions, or are those, which, by their nature, refer to future events. The Company cautions that any forward-looking statements by the Company are not guarantees of future results or performance, and that actual results may differ materially from those in forward-looking statements as a result of various factors, including, but not limited to, variations in the nature, quality and quantity of any mineral deposits that may be located, the Company's inability to obtain any necessary permits, consents or authorizations required for its activities, the Company's inability to produce minerals from its properties successfully or profitably, to continue its projected growth, to raise the necessary capital or to be fully able to implement its business strategies. The reader is referred to the

Company's reports, publicly available through the Canadian Securities Administrators' System for Electronic Document Analysis and Retrieval (SEDAR) at [www.sedar.com](http://www.sedar.com), and the U.S. Securities and Exchange Commission's Electronic Data Gathering and Retrieval (EDGAR) System at [www.sec.gov](http://www.sec.gov), for a more complete discussion of such risk factors and their potential effects.

This press release contains information with respect to adjacent or similar mineral properties in respect of which the Company has no interest or rights to explore or mine. The Company advises that the U.S. Securities and Exchange Commission's mining guidelines prohibit information of this type in reports filed with the SEC. Readers are cautioned that the Company has no interest in or right to acquire any interest in any such adjacent or similar properties, and that mineral deposits on adjacent or similar properties are not indicative of mineral deposits on the Company's properties.

All of the Company's public disclosure filings may be accessed via [www.sedar.com](http://www.sedar.com) and [www.sec.gov](http://www.sec.gov), and readers are urged to review these materials, including any technical reports filed with respect to the Company's mineral properties.

This press release is not, and is not to be construed in any way as, an offer to buy or sell securities.