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# Canadian West Resources Ltd.

#### THE COMPANY

Canadian West Resources Ltd. ("Canadian West" or "the Company") was established to pursue the exploration and development of natural resource properties. To finance these objectives, the Company completed an initial public offering of its share capital and was listed on the Vancouver Stock Exchange in September of 1990. The major shareholder of Canadian West is Cantrell Resources Ltd., a Vancouver based investment and holding company.

### THE PHILOSOPHY

Corporate growth through development of industrial mineralresources is a primary goal of Cànadian West Resources Ltd... Although the Company's initial efforts were targeted at the exploration and development of precious metals deposits, the management of Canadian West considered it prudent for the Company to evolve in an environment more conducive to generating immediate free cash flow; one without the large lead time and capital requirements of base and precious metal exploration and development projects. Toward that objective, the Company has implemented plans to continue as a resource-based company embracing a corporate structure that incorporates synergistic, vertically-integrated operating units, each of which will concentrate on conducting business related to one of a diverse variety of industrial minerals. It is anticipated that the development of ventures associated with the production, milling, marketing and utilization of industrial minerals, or products related to industrial minerals, will allow Canadian West to achieve significant growth from minimal capital investments within a relatively short period of time.

Canadian West currently operates through two United States based subsidiaries; Tempest Resources Inc. ("Tempest") and Soil Solutions Corporation ("SSC"). Tempest will perform the function of a holding company for the synthesis of the Company's U.S. operations. Soil Solutions Corporation will act as a separate business unit or profit centre being wholly-owned by Tempest. Canadian West Resources Ltd. is confident that industrial mineral developments' are the medium through which the Company will achieve its objectives of growth and the creation of value for the Shareholders.

#### **INDUSTRIAL MINERALS**

Industrial minerals, also referred to as the nonmetallics, include numerous non-fuel rocks and minerals commonly needed in "everyday life" industries such as construction, agriculture, chemical, plastic and steel processing, paper manufacturing, etc.. This utilization involves a broad spectrum of naturally occurring materials and includes minerals and rock products such as barite, dolomite, limestone, gypsum, salt, clay, silica, fluorite, rare earths, feldspar, sulphur, talc, garnet, graphite, mica, diamond, aggregates, sand, gravel, and constructional stone.

Although they lack the high profile of precious, base or ferrous metals, the **industrial mineral commodities are of fundamental significance to today's industrialized society.** The importance of industrial minerals is illustrated by their production values. For example, during 1988, the total production values of industrial rocks and minerals in the United States totalled \$19.8 billion (U.S.) as compared to total metal mine production values of about \$10.2 billion (U.S.). Global production values of greater than \$ 170 billion (U.S.) were achieved for the industrial rocks and minerals during 1988.

Industrial minerals commonly have a low to medium unit value and are often subject to variability of quality owing to differences in the physical characteristics of specific minerals. Therefore, it is essential that Canadian West enter into industrial mineral investments stressing simplified, costeffective operations producing valueadded products which meet customer requirements of quality control and pricing. To satisfy such criteria, Canadian West will strive to identify specific mineral commodities occurring in deposits with particular quality (grade) and quantity of reserve advantages, together with transportation and production-cost benefits relative to markets and competition. Canadian West will attempt to maximize the auality of its industrial mineral products through the associated development of an intimate knowledge of changing customer and industry technical demands.

#### THE UNIQUE TECHNOLOGY

The initial concentration of Soil Solutions Corporation's operations will be in the State of California. Recent drought conditions have created increasingly stringent water restrictions and rising costs for irrigation waters are forcing changes in water management practices. A major mechanism for reducing water costs is to improve the efficiency of available water through the use of water amendments. Canadian West has recently obtained an option to acquire proprietary rights and patented technology. This technology will allow the Company to enter into, and become a leader in, the niche industrial minerals market of the amendment of irrigation water chemistry by means of the addition of naturally occurring materials such as gypsum, potash, sulfur and calcium carbonate in the form of lime. The application of modified irrigation water results in the change of soil chemistry and subsequently crop health and production rates are positively affected.

In order to effectively focus on this particular venture, Soil Solutions Corporation will have the mandate of developing as an enterprise involved in providing innovative technology and equipment, industrial mineral commodities, consulting and laboratory services to agronomical industries. The initial utilization of SSC's unique patented technology will allow the development of business related to agricultural practices. Ultimately new markets, such as the golf course, home and garden, landscape, turf and other horticultural ventures, and the amendment of waters for industrial purposes, will be reviewed as possible sources for the expansion of SSC's business.

The initial goal of Soil Solutions Corporation, a Canadian West operating company, will be to provide innovative technologies, services and supplies related to the utilization of industrial minerals by agronomical industries. Soil Solutions Corporation will strive to be "THE TOTAL SOIL AND WATER SOLUTION".

## THE MAJOR PROJECTS

#### **GYPSUM - THE PALEN PASS PROPERTY**

Initial efforts in the development of Canadian West as an industrial mineral producer will focus on the industrial mineral gypsum (hydrou's calcium sulphate) and related products and services. This mineral is a commonly used industrial commodity with primary applications in the manufacture of construction materials such as wallboard, plaster and cement and in the agricultural industry as a soil and water amendment material.

Canadian West has an agreement that allows the Company to earn an interest in claims which have mineral development rights to approximately 3300 acres (1340 hectares) and cover the renowned gypsum deposits located in the Palen Pass region of Riverside County, California, approximately 200 air miles (320 kilometers) east of Los Angeles.

The Palen Pass gypsum deposits may represent one of the largest resources of quality gypsum in western North America. Extensive geological surveys, performed by the State of California - Division of Mines during 1954, indicate that geological resources of tens of millions of tons of gypsum exist at Palen Pass.

The target of a (U.S.) \$ 270,000. exploration program, at Palen Pass, is to establish approximately three million tonnes of marketable gypsum; an amount considered sufficient to justify the commencement of quarry operations. Recent work performed by Canadian West has included reverse circulation drilling and market surveys.

Research conducted recently by Canadian West has identified potential markets for gypsum quarried from the Palen Pass deposits. These markets include the cement industry and the soil and water amendment segments of the southwestern United States agronomical industries. Gypsum is generally a high-bulk, low-cost commodity, therefore, quarrying and transportation costs, location of market and product grade are all critical to economic production. Preliminary studies of the Palen Pass deposits indicate that, shauld an adequate tonnage of sufficient grade gypsum be established, transportation costs to the previously mentioned markets could be very competitive relative to those of current suppliers. Chemical analyses of drill samples taken from the property indicate that gypsum grades of up to 98% are attainable over significant thicknesses. Initial testing shows very low levels of toxic elements in Palen Pass gypsum thus implying strong potential for acceptance in the demanding California soil and water amendment markets.

Subject to favourable results from further exploration programs and following approval by the appropriate regulatory authorities, placing the deposit into production will incur low capital costs. Quarry operations at Palen Pass should, therefore, achieve a positive cash flow in a relatively short period of time.

#### LIMESTONE - THE ISLAND PROJECT

The Directors of Canadian West view the acquisition of limestone properties of merit and the development of calcium carbonate markets as an important diversification in the the Company's industrial minerals business.

Canadian West Resources Ltd. will acquire and develop limestone properties through a program of research and property acquisition. The initial focus will be on properties having reserves of high calcium, high brightness limestone which combine favourable mining characteristics with logistical support. It is anticipated that calcium carbonate products, following the development of these properties, would be suitable for both calcining and the extender, filler markets. Lesser unit-value markets, such as the agricultural, decorative and construction stone enterprises will also be considered.

#### SILICA - THE QTZ #1 PROPERTY

Canadian West holds a 100 % interest in the QTZ #1 claim located approximately 5 kilometres (3 miles) southeast of Bridesville, British Columbia. On this property, silica mineralization occurs as lobate quartz bodies contained within chloritic schists. Although the current tonnage potential is in excess of two million tonnes of high-quality silica, further exploration work will be necessary in order to fully determine the exact grade and tonnage of silica present.

Indications are that the silica-rich rock contained on this property could find acceptance as a container glass feed material and as a source of ferrosilicon in the local Pacific Northwest markets. Certain parts of the deposit may provide material suitable for utilization in the production of silicon metal.

Canadian West Resources Ltd. also holds interests in other mineral properties, which will be explored and developed at the appropriate time. The Company will continue to search for other investments of merit in the industrial minerals business. A \$50,000 development program is planned for the QTZ #1 property.

## Canadian West Resources Ltd.

A MEMBER OF THE CANTRELL GROUP OF COMPANIES

#### R R Т T C 0 Ρ Ο A Ε D Α Α

OFFICERS AND DIRECTORS

DALE WALLSTER President & Director

THOMAS REISSNER Chief Financial Officer & Director

**RICK CLEMENTS Director & Secretary**  DONN BURCHILL Director

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 The Vancouver Stock Exchange Trading Symbol: CW

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