

**TECHNICAL REPORT  
ON THE BLACHFORD PROPERTY  
(Northwest Territories, Canada)**

Approximate Geographic Coordinates  
62.124496° N Latitude, 112.641353° W Longitude

**September 9, 2011**

For:

**Solace Resources Corporation**

918 – 1030 Georgia Street West  
Vancouver, BC, Canada V6E 2Y3

By:

**Dr. Roger D. Morton, P Geol. (Alberta)**

9039 Saskatchewan Drive NW  
Edmonton, AB T6G 2B2

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## LIST OF ABBREVIATIONS

Units of measurement used in this report conform to the SI (metric) system. All currency in this report is Canadian dollars (C\$) unless otherwise noted.

Abbreviation	Definition	Abbreviation	Definition
°C	degrees Celsius	<b>LREO</b>	light rare earth oxides
<b>BLAT claims</b>	Blachford Property claims (BLAT1 to BLAT4)	<b>m</b>	metre
<b>BLC</b>	Blachford Lake Complex	<b>Ma</b>	million years
<b>C\$</b>	Canadian dollars	<b>mm</b>	millimetres
<b>cm</b>	centimetre	<b>NWT</b>	Northwest Territories (Canada)
<b>cps</b>	counts per second	<b>pop.</b>	population
<b>ha</b>	hectare	<b>ppb</b>	part per billion
<b>HREE</b>	heavy rare earth elements	<b>ppm</b>	part per million
<b>HREO</b>	heavy rare earth oxides	<b>QA</b>	quality assurance
<b>km</b>	kilometre	<b>QC</b>	quality control
<b>km<sup>2</sup></b>	square kilometre	<b>REE</b>	rare earth elements
<b>km/h</b>	kilometre per hour	<b>Th equiv.</b>	equivalent; gamma counts of Tl <sup>208</sup>
<b>LREE</b>	light rare earth elements	<b>TREO</b>	total rare earth element oxides

## LIST OF RARE EARTH ELEMENTS AND OTHER ELEMENTS USED

Light Rare Earth Elements			Heavy Rare Earth Elements			Other Elements	
Symbol	Element	Oxide	Symbol	Element	Oxide	Symbol	Element
<b>La</b>	Lanthanum	La <sub>2</sub> O <sub>3</sub>	<b>Eu</b>	Europium	Eu <sub>2</sub> O <sub>3</sub>	<b>Nb</b>	Niobium
<b>Ce</b>	Cerium	CeO <sub>2</sub>	<b>Gd</b>	Gadolinium	Gd <sub>2</sub> O <sub>3</sub>	<b>Ta</b>	Tantalum
<b>Pr</b>	Praseodymium	Pr <sub>6</sub> O <sub>11</sub>	<b>Tb</b>	Terbium	Tb <sub>4</sub> O <sub>7</sub>	<b>Th</b>	Thorium
<b>Nd</b>	Neodymium	Nd <sub>2</sub> O <sub>3</sub>	<b>Dy</b>	Dysprosium	Dy <sub>2</sub> O <sub>3</sub>	<b>U</b>	Uranium
<b>Sm</b>	Samarium	Sm <sub>2</sub> O <sub>3</sub>	<b>Ho</b>	Holmium	Ho <sub>2</sub> O <sub>5</sub>	<b>Zr</b>	Zirconium
			<b>Er</b>	Erbium	Er <sub>2</sub> O <sub>3</sub>		
			<b>Tm</b>	Thulium	Tm <sub>2</sub> O <sub>3</sub>		
			<b>Yb</b>	Ytterbium	Yb <sub>2</sub> O <sub>3</sub>		
			<b>Lu</b>	Lutetium	Lu <sub>2</sub> O <sub>3</sub>		
			<b>Y</b>	Yttrium	Y <sub>2</sub> O <sub>3</sub>		