

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

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

September 9, 2011

For:

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TABLE OF CONTENTS

1	Summary	1
2	Introduction.....	5
3	Reliance on Other Experts.....	7
4	Property Description and Location.....	9
	Location.....	9
	Mineral Tenure	10
	Details of Mineral Properties	10
	Agreements Related to the Mineral Properties.....	14
	Environmental Liabilities	14
	Required Permits	14
	Other Significant Factors and Risks.....	15
5	Accessibility, Climate, Local Resources, Infrastructure, and Physiography.....	16
	Topography, Elevation, and Vegetation	16
	Property Accessibility	16
	Infrastructure and Local Resources	16
	Climate.....	18
6	History	19
7	Geological Setting and Mineralization.....	20
	Regional Geology	20
	Local Geology	26
	Property Geology.....	26
	Mineralized Zones.....	26
8	Deposit Types	28
9	Exploration	30
	Surveys and Investigations	30
	Sampling Methods and Quality	30
	Samples Collected.....	33
	Assay Results and Interpretation.....	33

10	Drilling	40
11	Sample Preparation, Analyses, and Security.....	41
	Pre-analysis Sample Preparation and Quality Control	41
	Laboratory Sample Preparation and Analysis	41
	Quality Control and Quality Assurance.....	41
12	Data Verification	42
13	Mineral Processing and Metallurgical Testing.....	42
14	Mineral Resource Estimates.....	42
15	Adjacent Properties.....	43
	Previous Exploration and Development.....	43
	Historical Mineral Resources	44
	Production.....	44
16	Other Relevant Data and Information	44
17	Interpretation and Conclusions.....	45
18	Recommendations.....	48
19	References	51
	Date and Signature Page.....	53
	Certificate of Author	54
	Consent of Qualified Person.....	56

LIST OF TABLES

Table 4.1.	Details of the Blachford Property Claim.....	10
Table 4.2.	Details of the BLAT Claims.....	11
Table 9.1.	Samples Collected from the Blachford Property.....	33
Table 9.2.	Analysis Results for Rock Samples from the Blachford Property August 2011	33
Table 9.3.	Unmineralized Grace Lake Granite Compared with Unmineralized Granite in the Sawuer region of Xinjiang	36
Table 9.4.	Analytical Results for Rock Samples Calculated as Oxides	37
Table 18.1.	Proposed Exploration of the Blachford Property.....	49

LIST OF FIGURES

Figure 4.1.	Location of the Blachford Property within the Northwest Territories, Canada.	9
Figure 4.2.	Map showing the relative location of the mineral claims and leases.....	13
Figure 7.1.	Regional geology of area surrounding property, extracted from Hoffman, 1980.	22
Figure 7.2.	Hypothetical NW extension of the Nechalacho REE Deposit, based on published information from Avalon (Avalon Rare Metals Inc., 2011; Baker et al., 2011).	23
Figure 7.3.	Local geology of the Blachford Property.....	27
Figure 9.1.	Location of samples shown in Table 9-1.....	32
Figure 9.2.	Aeromagnetic data and linear features of Blachford Lake and Thor Lake areas.....	38
Figure 9.3.	Thorium and linear features of Blachford Lake and Thor Lake areas.....	39

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	LREO	light rare earth oxides
BLAT claims	Blachford Property claims (BLAT1 to BLAT4)	m	metre
BLC	Blachford Lake Complex	Ma	million years
C\$	Canadian dollars	mm	millimetres
cm	centimetre	NWT	Northwest Territories (Canada)
cps	counts per second	pop.	population
ha	hectare	ppb	part per billion
HREE	heavy rare earth elements	ppm	part per million
HREO	heavy rare earth oxides	QA	quality assurance
km	kilometre	QC	quality control
km²	square kilometre	REE	rare earth elements
km/h	kilometre per hour	Th equiv.	equivalent; gamma counts of Tl ²⁰⁸
LREE	light rare earth elements	TREO	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
La	Lanthanum	La ₂ O ₃	Eu	Europium	Eu ₂ O ₃	Nb	Niobium
Ce	Cerium	CeO ₂	Gd	Gadolinium	Gd ₂ O ₃	Ta	Tantalum
Pr	Praseodymium	Pr ₆ O ₁₁	Tb	Terbium	Tb ₄ O ₇	Th	Thorium
Nd	Neodymium	Nd ₂ O ₃	Dy	Dysprosium	Dy ₂ O ₃	U	Uranium
Sm	Samarium	Sm ₂ O ₃	Ho	Holmium	Ho ₂ O ₅	Zr	Zirconium
			Er	Erbium	Er ₂ O ₃		
			Tm	Thulium	Tm ₂ O ₃		
			Yb	Ytterbium	Yb ₂ O ₃		
			Lu	Lutetium	Lu ₂ O ₃		
			Y	Yttrium	Y ₂ O ₃		