

27/06/2013

Annual & Special
Meeting of
Shareholders

Assemblée annuelle
et extraordinaire des
actionnaires

M A T A M E C

CAUTION CONCERNING FORWARD-LOOKING STATEMENTS

This document contains “forward-looking information” including without limitation statements relating to mineral reserve estimates, mineral resource estimates, realization or mineral reserve and resource estimates, capital and operating costs estimates, the timing and amount of future production, costs of production, success of mining operations, the ranking of the project in terms of cash cost and production, permitting, economic return estimates, potential upsides, and the future price and supply and demand for rare earths. Readers should not place undue reliance on forward-looking statements.

Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Corporation to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. The preliminary economic assessment study results are estimates only, are preliminary in nature and are based on a number of assumptions, any of which, if incorrect could materially change the projected outcome. Until a positive feasibility study has been completed, and even with the completion of a positive feasibility study, there are no assurances that Kipawa will be placed into production. Factors that could affect the outcome include, among others: the actual results of development activities; project delays; inability to raise the funds necessary to complete development; general business, economic, competitive, political and social uncertainties; future prices; alternative rare earth sources or substitutes; actual rare earth recovery; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; accidents, labour disputes and other risks of the mining industry, political instability, terrorism, insurrection or war; delays in obtaining governmental approvals, necessary permitting or in the completion or development or construction activities.

Although the corporation has attempted to identify important factors that could cause actual actions, events or results to differ materially for those described in forward-looking statements, there may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward-looking statements contained herein are made as of the date of this presentation and the Corporation disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable securities laws.

NI 43-101 Compliance

The technical information pertaining to the Kipawa HREE Project in this presentation is based on the news release entitled “Matamec PEA Study Shows Robust Economics for the Kipawa HREE Project” published on January 30th, 2012 that describes the results of the Kipawa HREE Project Preliminary Economic Assessment (“PEA”) study 2012 and the report entitled « NI 43-101 Report – Preliminary Economic Assessment Study for Kipawa Deposit » published on SEDAR March 14, 2012 which describe the preliminary economic assessment study for the HREE Kipawa project and was prepared in accordance with Canadian regulatory requirements by, or under the supervision of Guy Saucier, Eng. of Roche Ltd.



BOARD OF DIRECTORS

Name	Position
André Gauthier (2003)	President and CEO Matamec Explorations
Aline Leclerc (2003)	VP, Exploration Matamec Explorations
Marcel Bergeron (2009)	Secretary-Treasurer, CFO Matamec Explorations
Laval St-Gelais (2005)	Chartered Accountant Groupe Desjardins Campeau
Normand Tamaro (2009)	Lawyer Mannella, Gauthier, Tamaro
Raynald Vézina (2012)	Mining Engineer



MANAGEMENT & TECHNICAL TEAM

Name	Position
André Gauthier (2003)	President and CEO
Aline Leclerc (2003)	VP, Exploration
Bertho Caron (2012)	VP, Project Development & Construction
Eliza Ngai (2011)	Metallurgist
Al Hayden (2011)	Metallurgist Consultant
Sylvain Doire (2012)	Director, Environment
Claude Brisson (2012)	Director, Regional Relations
Michael Roche (2013)	Director, Marketing of Rare Earths
Edward Miller (2013)	Director, Investor Relations
Nathalie Chartrand (2013)	Controller
Marie-Lise Tremblay (2010)	Project Manager & Executive Assistant

- Founded in 1997
- Mining exploration in Quebec and Ontario, friendly mining region
- Rare metals, gold, base and platinum group metals with a **specific focus on Heavy Rare Earths**

Company Statistics — (as of June 26, 2013)

Current Share Price	\$0.16 CAN (TSX.V) \$0.158 US (OTC)
52 week range	\$0.135-0.38 CAN \$0.13-0.36 US
Shares Outstanding	120,300,186
Market Capitalization	\$19.24M CAN \$18.97M US
Cash and Cash equivalents (at March 31, 2013)	\$4.62M CAN (unaudited)
Stock Options	9M

FROM GOLD TO RARE EARTHS – WELL DIVERSIFIED

Positioned to be 1st mover of Heavy Rare Earths in N.A. with production expected in Q3 2016



Property Legend:

- Rare Earth Elements
- Base Metals
- Gold
- Rare Metals
- PGM

- 5 Gold properties (including a high grade mineralization in Timmins)

- Kipawa deposit part of Zeus

- Joint venture with Toyota is for Kipawa only

- New discovery showings with higher % of heavy rare earths at Zeus

RARE EARTHS USED FOR HYBRID & ELECTRIC VEHICLES

- **Strategic partnership with Toyota** at Kipawa mine for HRE
- essential for hybrid and electric vehicles such as Toyota Prius
- **Toyota strategic benefits:** strong financial commitment, metallurgical expertise and speed to market
- **Excellent location** - Temiscaming, Quebec, with a skilled workforce, proximity to markets and infrastructure
- **Simple recovery process** - 1st open-pit deposit with reliable, known metallurgical process
- **Near-term goals** - feasibility study - Summer 2013 and production - Q3 2016



TOYOTA JVA BENEFITS TO MATAMEC

TANGIBLES	INTANGIBLES
<ul style="list-style-type: none">• Matamec is operator and holds 51% ownership• Toyota pays \$17.5M for feasibility study<ul style="list-style-type: none">• \$1.5M for MoU• \$8.5M for 25%• \$7.5M for remaining 24%	<ul style="list-style-type: none">• Accelerates development• Technical assistance provided• Only RE company to have received funds from a Japanese end-user• Only RE company to have received funds from a car manufacturer• Toyota plans to launch 21 new hybrid models by 2015

SOCIAL ACCEPTABILITY

A large, dense crowd of people is shown from a rear perspective, filling the frame. The individuals are mostly seen from the back of their heads and shoulders, creating a sense of being part of the group. The lighting is bright, suggesting an outdoor setting during the day. The text 'SOCIAL ACCEPTABILITY' is overlaid in the upper left quadrant in a white, serif font.



Presence in the Community

Local Office
2 employees



Social Implication

A presence both in participation and sponsorships



Member of the Chamber of Commerce

Témis-accord
Temiscaming - Kipawa

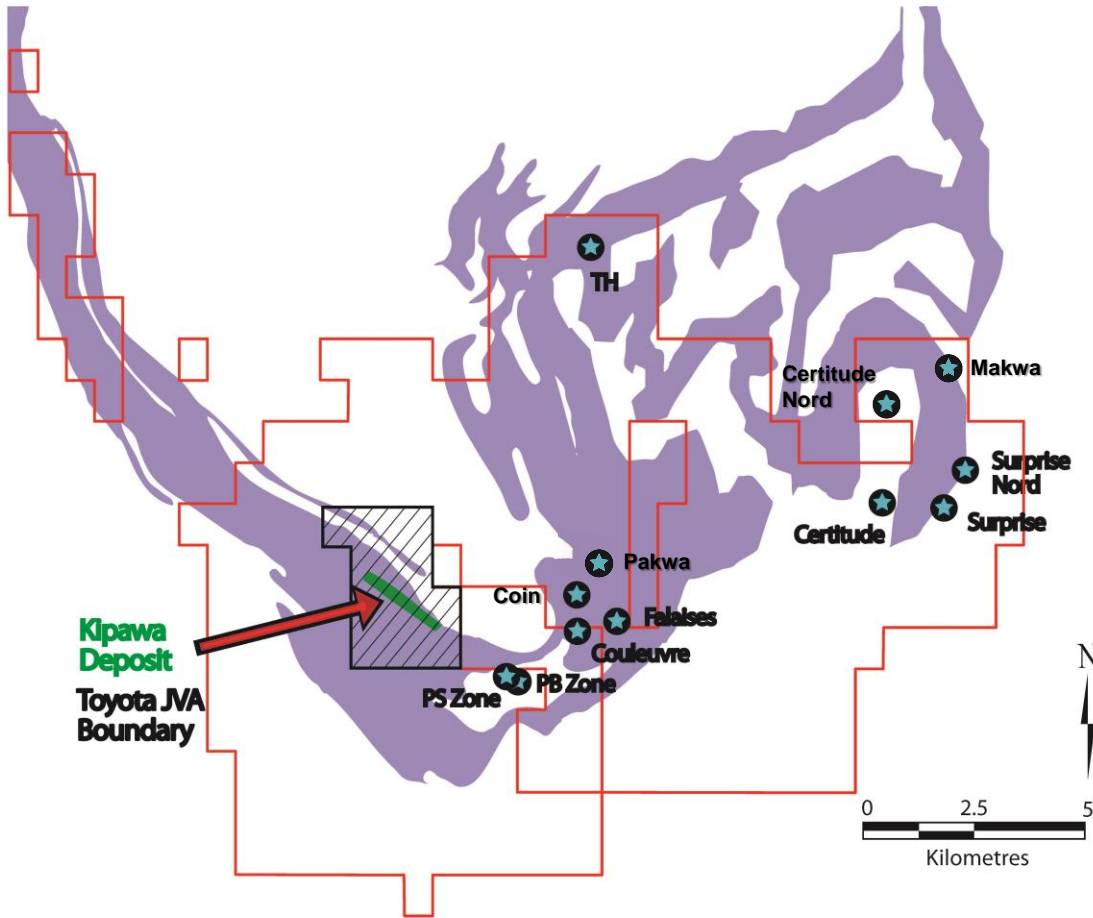
Total Number of Meetings	176
Number of People	1,551
(June 2012 – May 2013)	

- Public Meetings 8
- Meetings with First Nations 5
- Harmonization Table Meetings 6
- Sub-committee Meetings 11
 - Environnement
 - Training
 - Economic Development

A man with a beard, wearing a green baseball cap with a gold logo and a grey jacket, is shown in profile, talking on a mobile phone. He is holding the phone to his ear with his right hand. In the background, another person with dark hair is visible, looking down. The setting appears to be an indoor space with wooden beams and a window covered with a white, crinkled material. The word "EXPLORATION" is overlaid in white, serif, all-caps font across the middle of the image.

EXPLORATION

1ST RARE EARTH EXPLORATION CO. TO SIGN JVA WITH END-USER



- Financial Strength
- Metallurgical expertise
- Speed to market
- 100% production purchase agreement on the Kipawa deposit
- Results from 2012 exploration campaign coming soon

■ Toyota JVA boundary

M A T A M E C



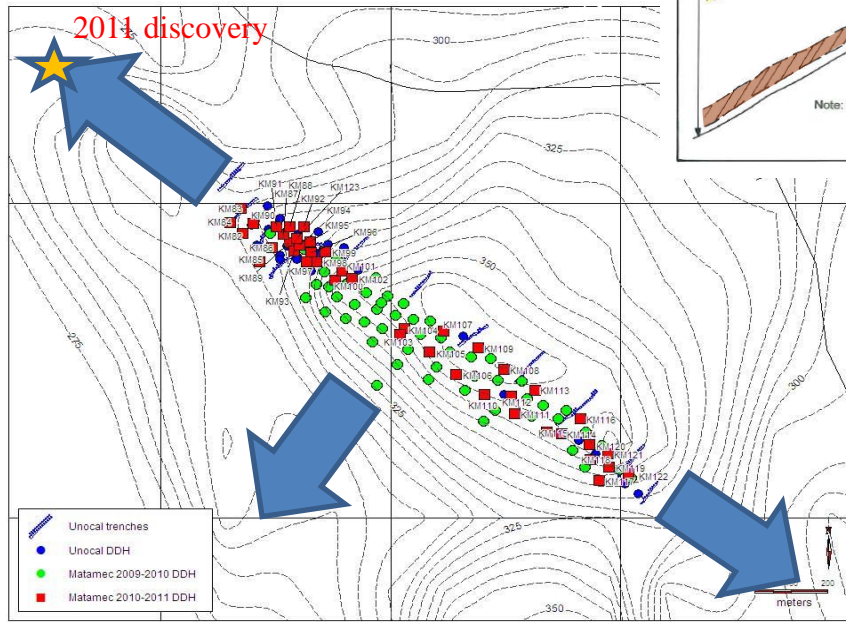
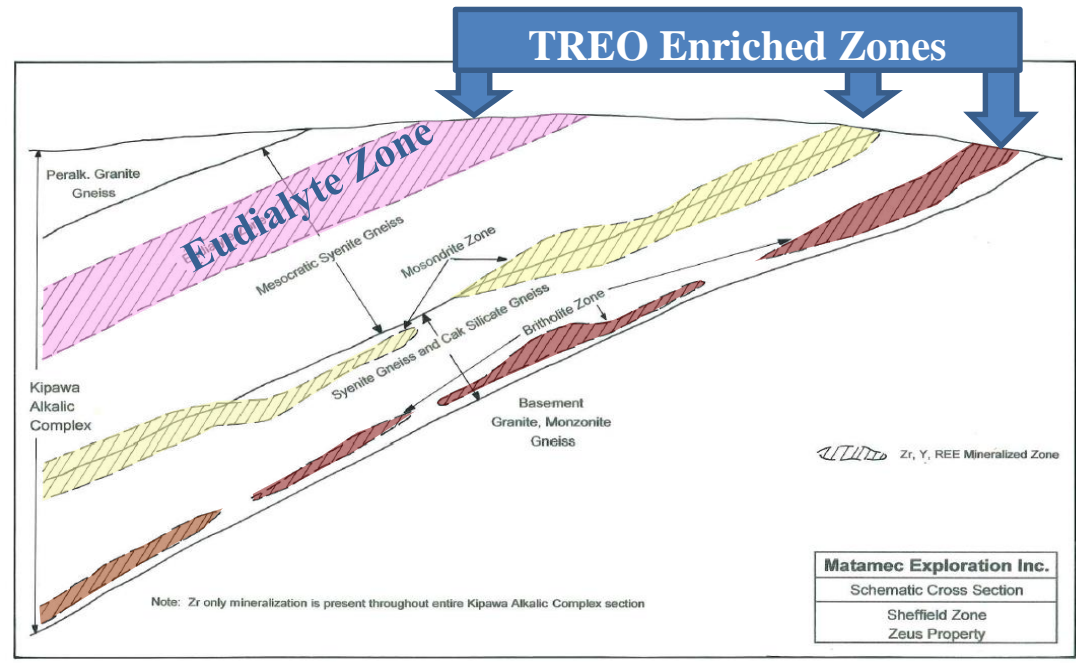
NEW MINERAL RESOURCE UPDATE

Schematic Cross-Section with TREO enriched envelopes

SW

NE

Mining – open pit, low strip ratio, small opex

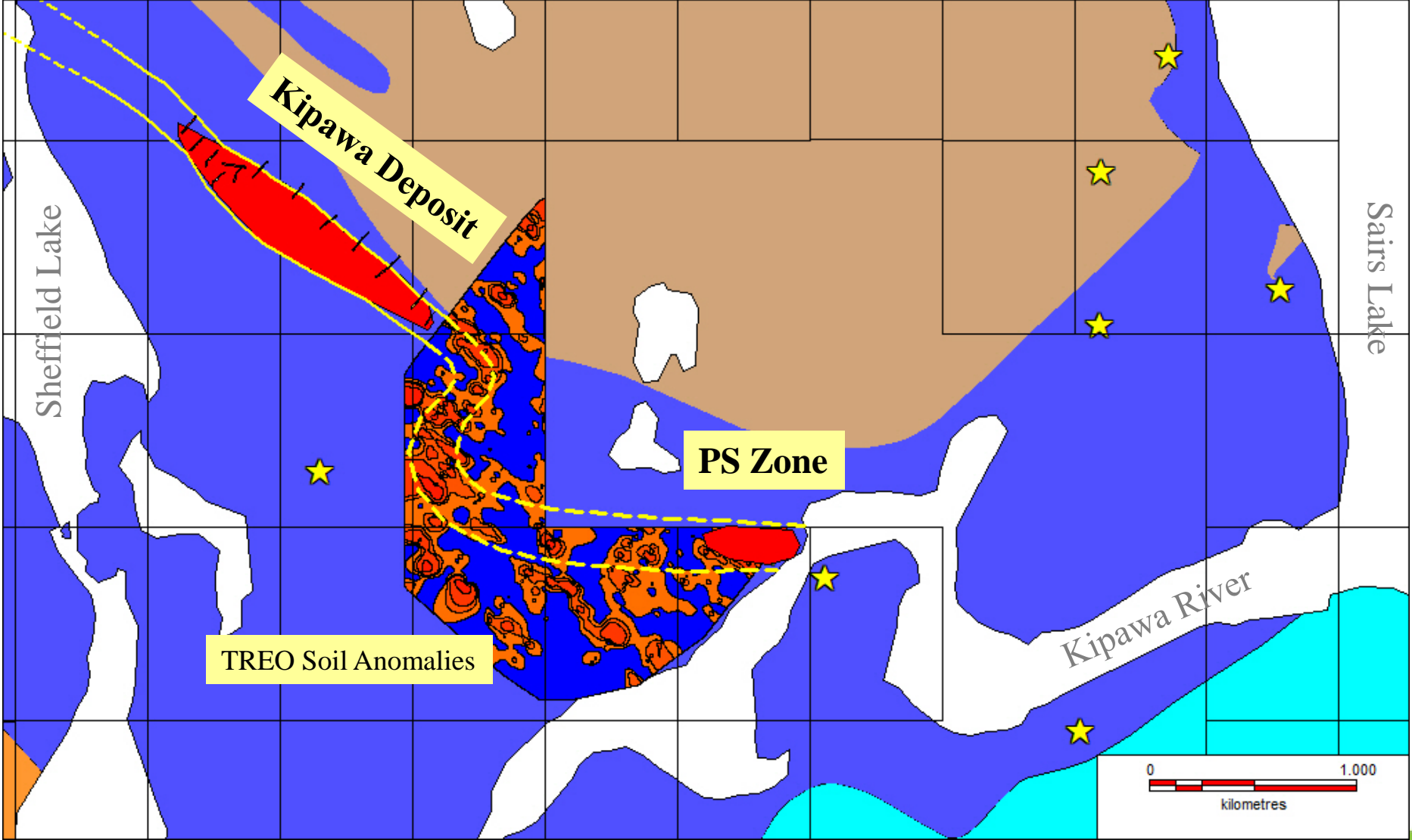


Deposit Open Laterally and at Depth

M A | A M E C

MHREF LISTED ON OTC QX
MAT LISTED ON TMX TSX Venture Exchange

ZEUS POTENTIAL – NEXT GROWTH PHASE

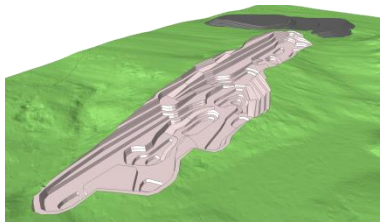
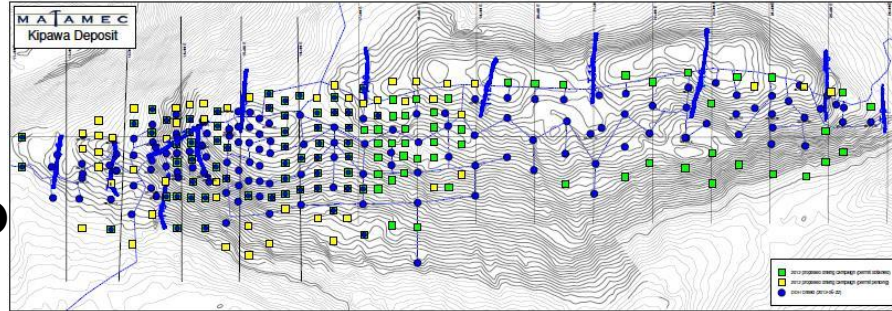


KIPAWA HRE PROJECT: SIMPLE PROCESS



1 Eudialyte - Mosandrite Minerals: 90% RE contents

**2 Mineral Resources:
19MT @ 0.428% TREO**



**3 Open Pit – Mine Life
15 Years**

**5 Heavy and Light rare earth
concentrates**

**4 Process Plan:
2 Steps**



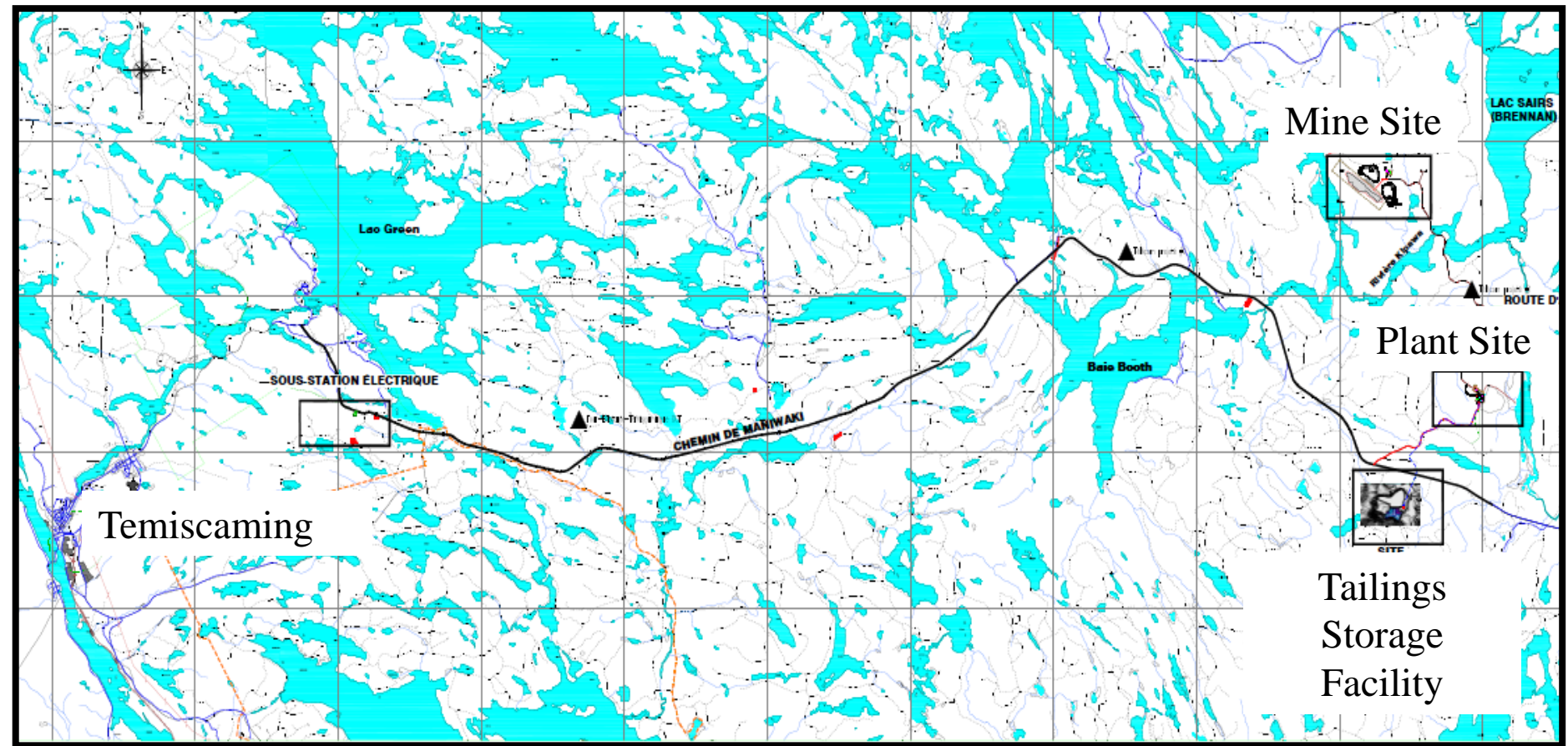
M A T A M E C

MHREF
LISTED ON
MAT
LISTED ON
OTC QX
TMX
TSX Venture
Exchange

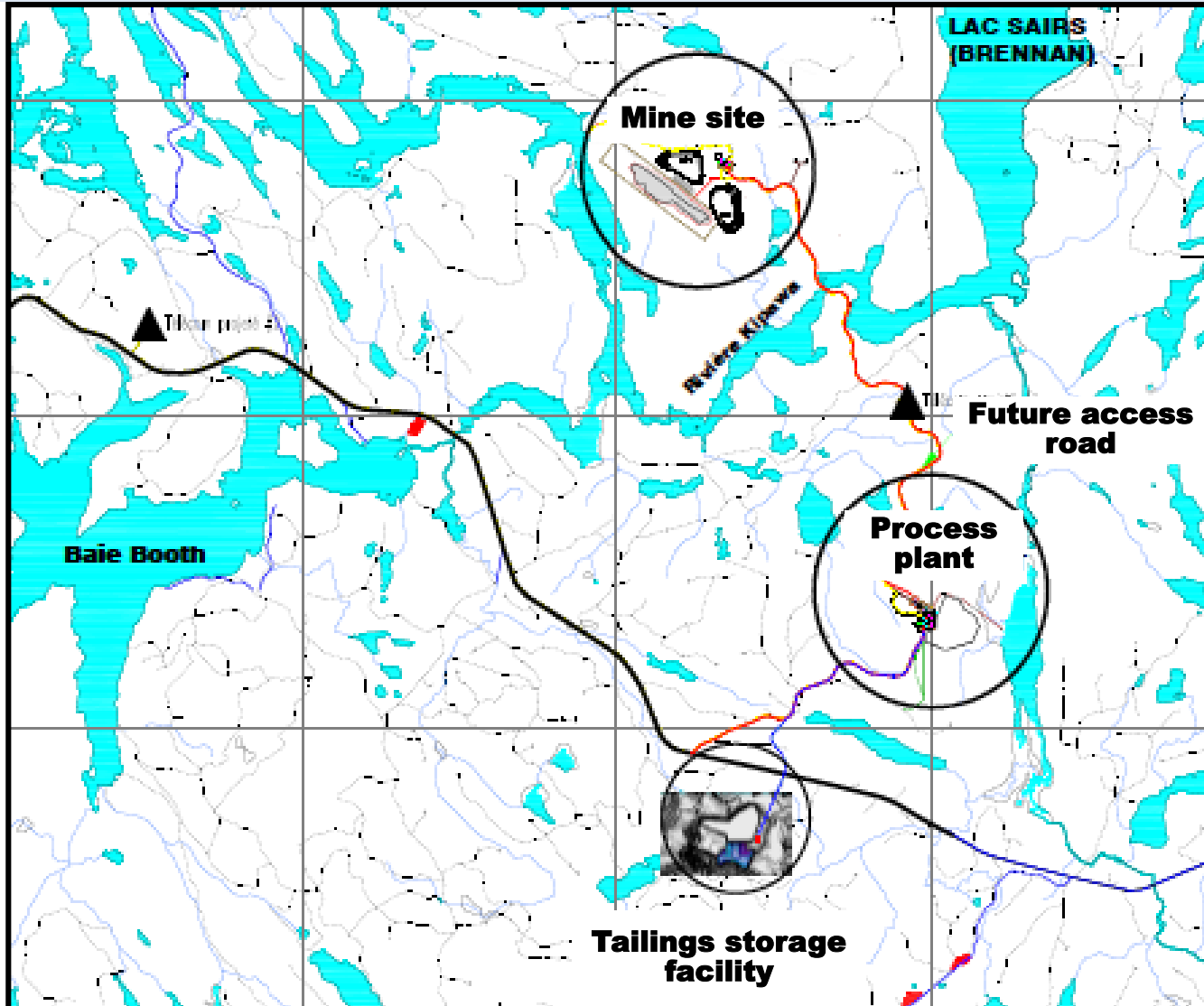
KIPAWA FEASIBILITY STUDY

RESULTS AVAILABLE - END OF JULY

KIPAWA MINE PROJECT - LOCATION



KIPAWA MINE PROJECT - LOCATION



INFRASTRUCTURE – PROCESS PLANT SITE



M A T A M E C

MHREF
LISTED ON
MAT
LISTED ON

OTC QX
TMX
TSX Venture
Exchange

- Study started in June 2012 by ROCHE-GENIVAR
- Delivery of the study scheduled for summer 2013
- Partners will analyze the study
- Study will be used to produce an NI 43-101 regulatory summary report, published 45 days later
- Necessary for the environmental impact assessment
- Subsequent steps will depend on study findings and analysis



ATTRACTIVE MARKET OPPORTUNITY

POTENTIAL AT KIPAWA

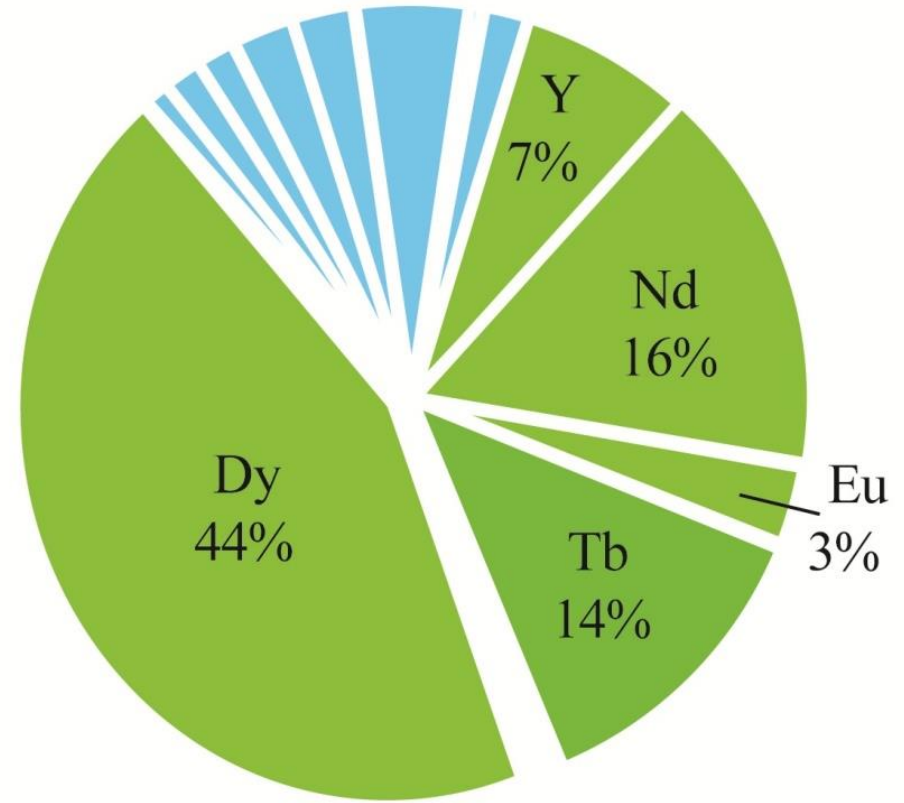
66 Dysprosium	65 Terbium	60 Neodymium	59 Praseodymium
Dy	Tb	Nd	Pr

Magnets



Toyota Prius
~60lbs of rare earths

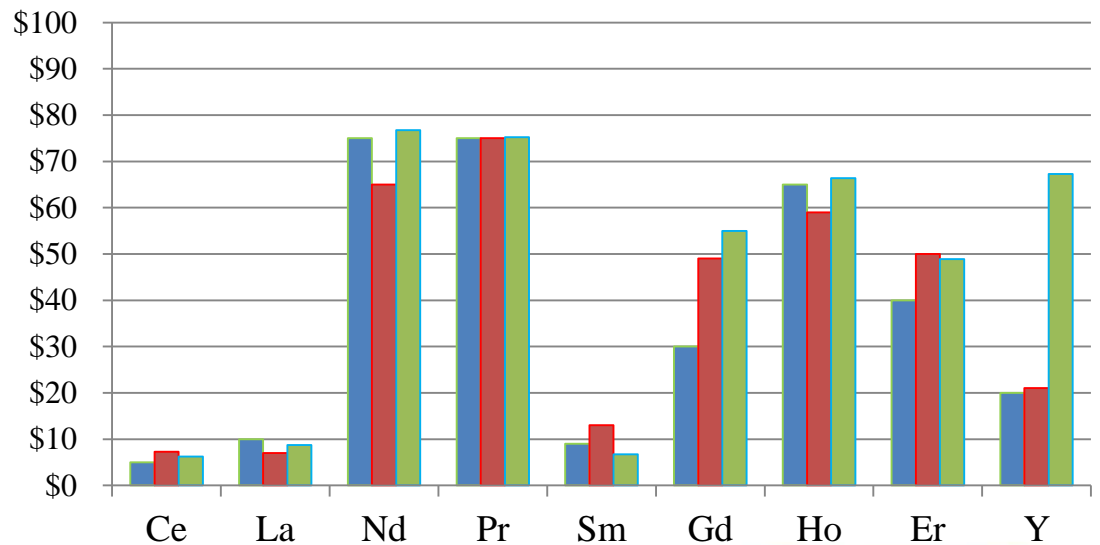
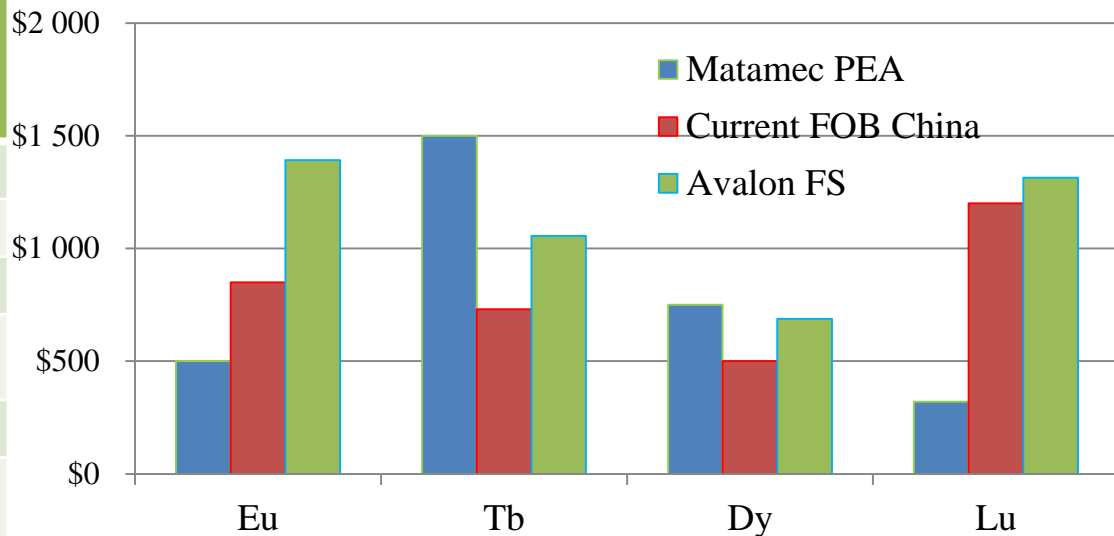
■ 5 Critical Elements (DOE)
Revenue: 84%



Source: Matamec PEA Study – ⁽¹⁾ Forecasted Prices 2020, March 14, 2012

KIPAWA PRICE FORECAST

Rare Earth Oxide	MAT PEA Price Est. 03/03/2012	AVL FS Price Est. 04/17/2013	Current RE Price*
Cerium	\$5	\$6.23	\$7.30
Lanthanum	\$10	\$8.75	\$7
Neodymium	\$75	\$76.78	\$65
Praseodymium	\$75	\$75.20	\$75
Samarium	\$9	\$6.75	\$13
Europium	\$500	\$1,392.57	\$850
Gadolinium	\$30	\$54.99	\$49
Terbium	\$1,500	\$1,055.70	\$730
Dysprosium	\$750	\$688.08	\$500
Holmium	\$65	\$66.35	\$59
Erbium	\$40	\$48.92	\$50
Lutetium	\$320	\$1,313.60	\$1,200**
Yttrium	\$20	\$67.25	\$21



* \$USD/kg REO (FOB China, source Metal Pages June 20, 2013)

**Matamec's estimation of current Lutetium oxide price



MATAMEC: AN ATTRACTIVE OPPORTUNITY

Companies with HREE deposits > 20% and have completed PEA

	Stock Price June 26, 2013 (\$CAN)	Shares Outstanding (M)	Market Cap (\$M CAN)	Indicated & Inferred Resource (Mt)	JVA End-User Signed	Annual Target Production Rate (Tonnes TREO)	HREO (as %TREO)	Basket Price* (\$USD)
Matamec Explorations	\$0.16	120.3	19.24	24.46	Toyota	5,000	36.40%	\$59.37
Ucore Rare Metals	\$0.265	172.63	45.7	5.23	-	2,250	41.44%	\$60.41
Quest Rare Minerals	\$0.51	61.9	31.7	229.90	-	13,500	43.10%	\$61.50
Tasman Metals	\$0.58	60.7	35.3	59.6	-	6,800	53.60%	\$61.85
Avalon Rare Metals	\$0.58	103.6	60.2	114.84	-	10,000	22.20%	\$50.57
Alkane Resources	\$0.27	372.5	132.3	73.20	-	4,170	23.32%	\$41.78**

*Based on current prices found in Metal Pages and Asian Metals (June 20, 2013); Tm and Yb pricing were estimated by Matamec. The Basket Price provided are from Matamec's estimates derived from the available public documents and may not reflect the most recently released public information.

**Based on Matamec estimate of Er, Yb, Ho, Tm and Lu distribution in the deposit.



RARE EARTH MARKET INDEX



UPCOMING MILESTONES

- Feasibility study completion.....Summer 2013
- Environmental and social impact study.....Summer 2013
- Financing CAPEX process.....Q3 to Q4 2013
- Approval process.....From now to 2014
- Detailed engineeringFall 2013 to mid-2015
- ConstructionLate 2014 to mid-2016
- Start-up of mining operationSummer 2016

TO BECOME
THE NEXT
GLOBAL
HEAVY RARE
EARTH
PRODUCER

- Focused on **green energy applications – hybrid and electric vehicles**
- Positioned to be the 1st mover in N.A. with production expected in Q3 2016
- Strategic partnership with Toyota to help achieve our goals

QUESTIONS?

M A T A M E C

