

TSX-V:UCU
OTCQX:UURAF



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RARE METALS

for US
Dysprosium
Self Sufficiency



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Disclaimer

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Presentation Structure

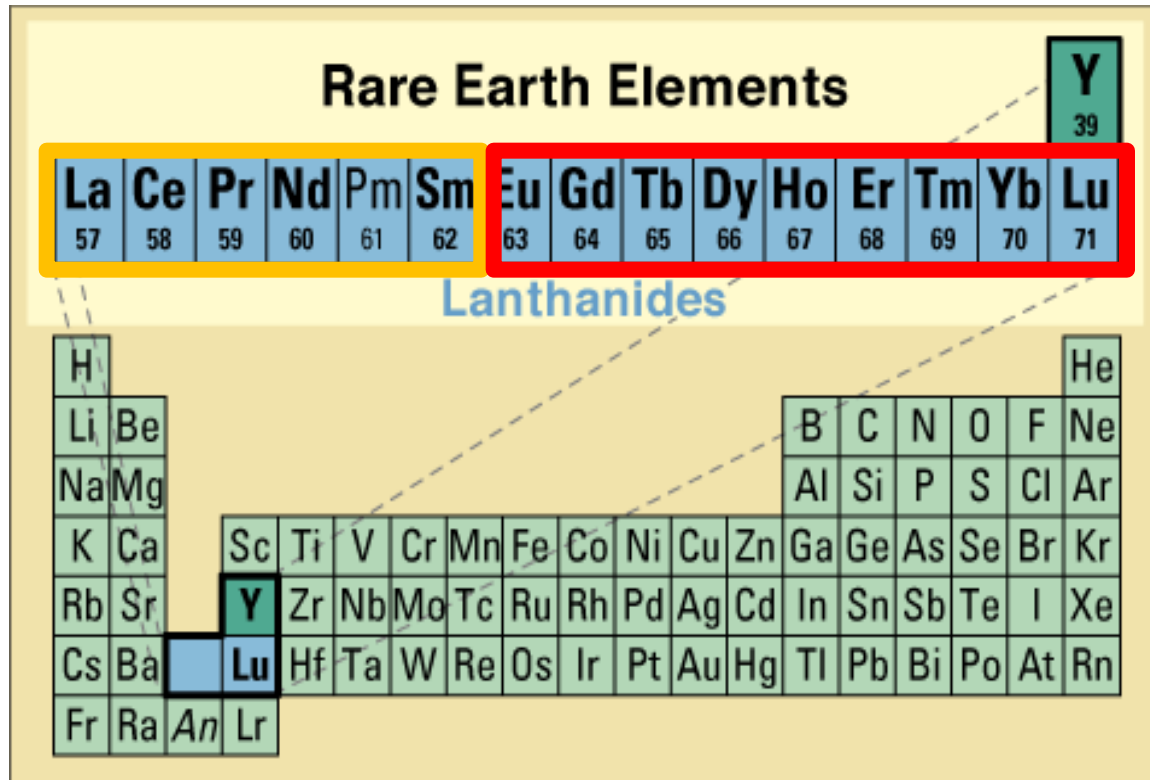
- **Introduction**
- Ucore Rare Metals Inc. overview
- Bokan Mountain Project Details
- Summary

RARE EARTH: not rare, not earth!

Rare Earth Elements

La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71

Lanthanides



Light REE

Lanthanum
Cerium
Praseodymium
Neodymium
Promethium
Samarium

Yttrium + Heavy REE

Europium
Gadolinium
Terbium
Dysprosium
Holmium
Erbium
Thulium
Ytterbium
Lutetium

Rare Earth Elements

15 “Lanthanoids” + Y

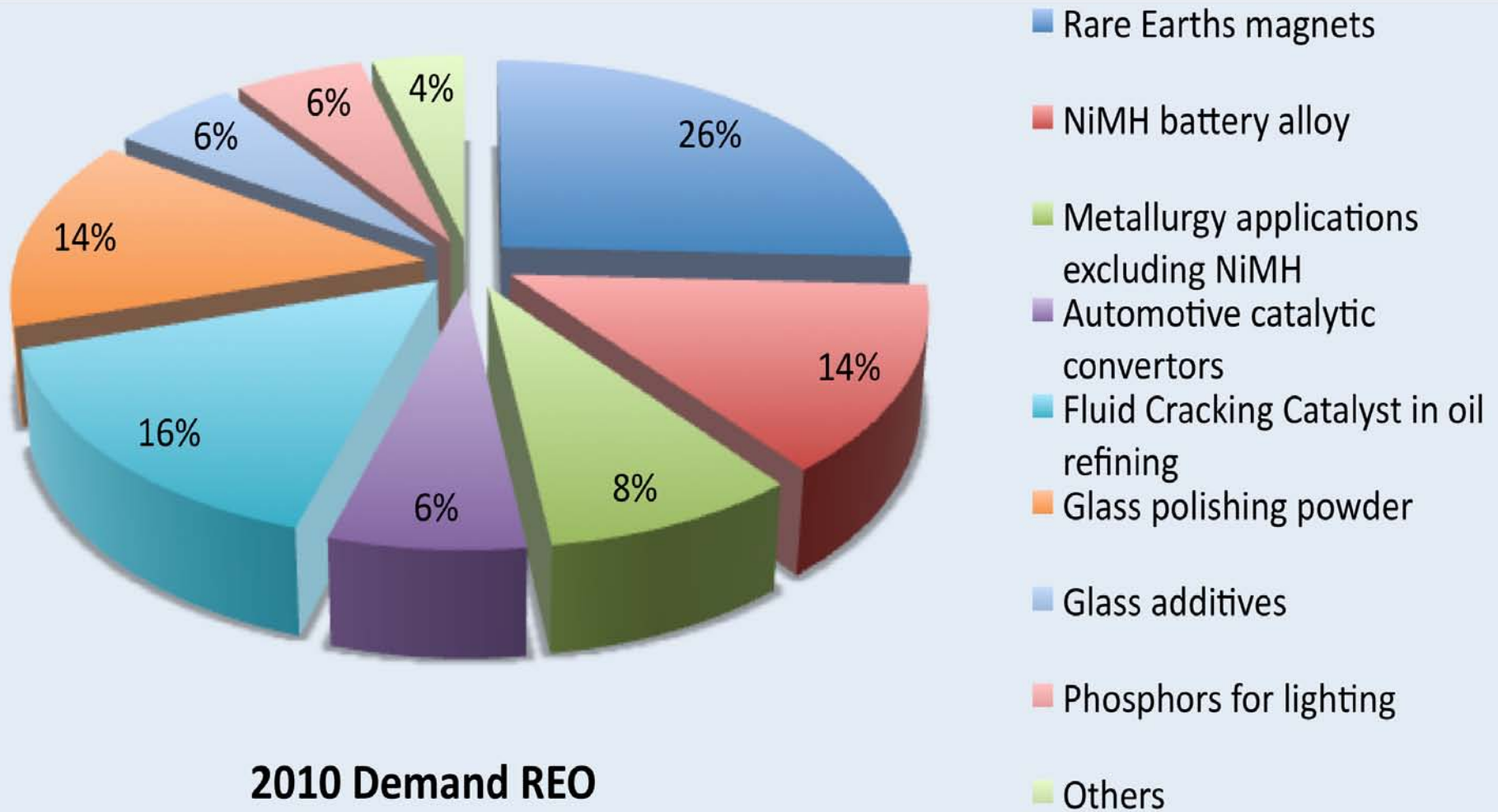
- Unusual electronic, magnetic and optical properties
- We can divide the uses of REEs into two categories:
 1. Technology process enablers *e.g. catalysts, glass polishing*
 2. Technology “building blocks” *e.g. rare earth magnets for “cleantech” / green energy applications*





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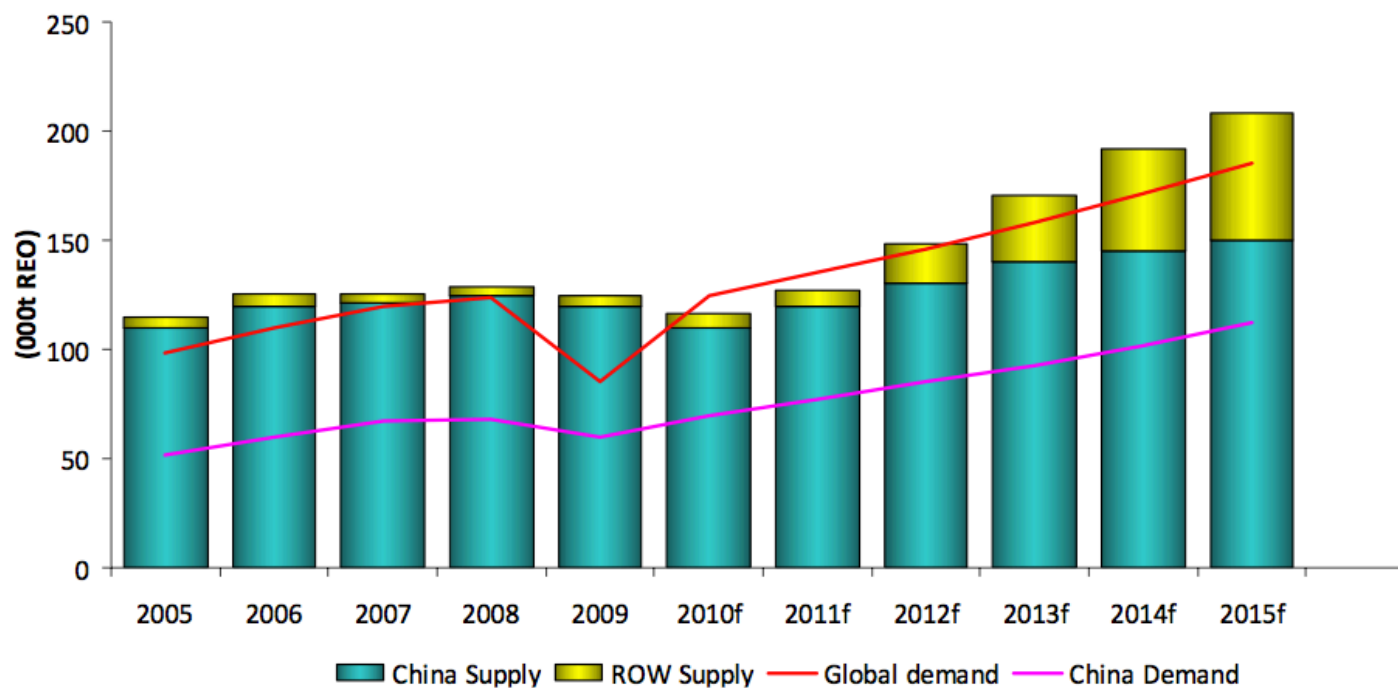
Rare Earth Use



2015 Global Forecast Supply and Demand

Rare Earth Oxide	Demand @ 180,000tpa REO	Supply @ 208,500tpa REO
Cerium	65-70,000t REO	75-80,000t REO
Neodymium	35-40,000t REO	30-35,000t REO
Europium	725-775t REO	575-625t REO
Terbium	450-500t REO	375-425t REO
Dysprosium	2,750-3,000t REO	1,750-2,000t REO

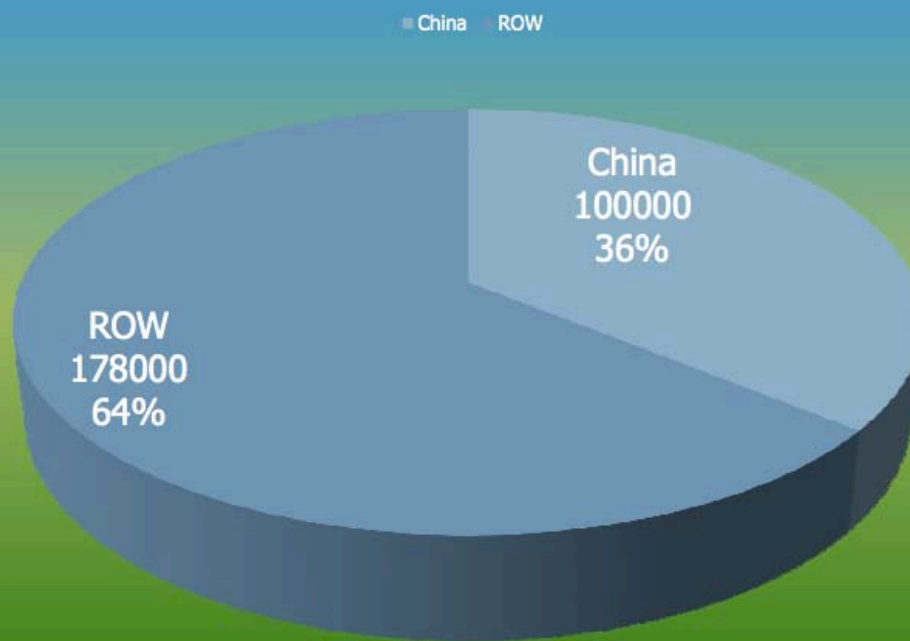
2015 – Surplus or Deficit



Source: IMCOA, Roskill

China's View of Supply

Forecast on Target Supply after 2015



Critical for clean energy

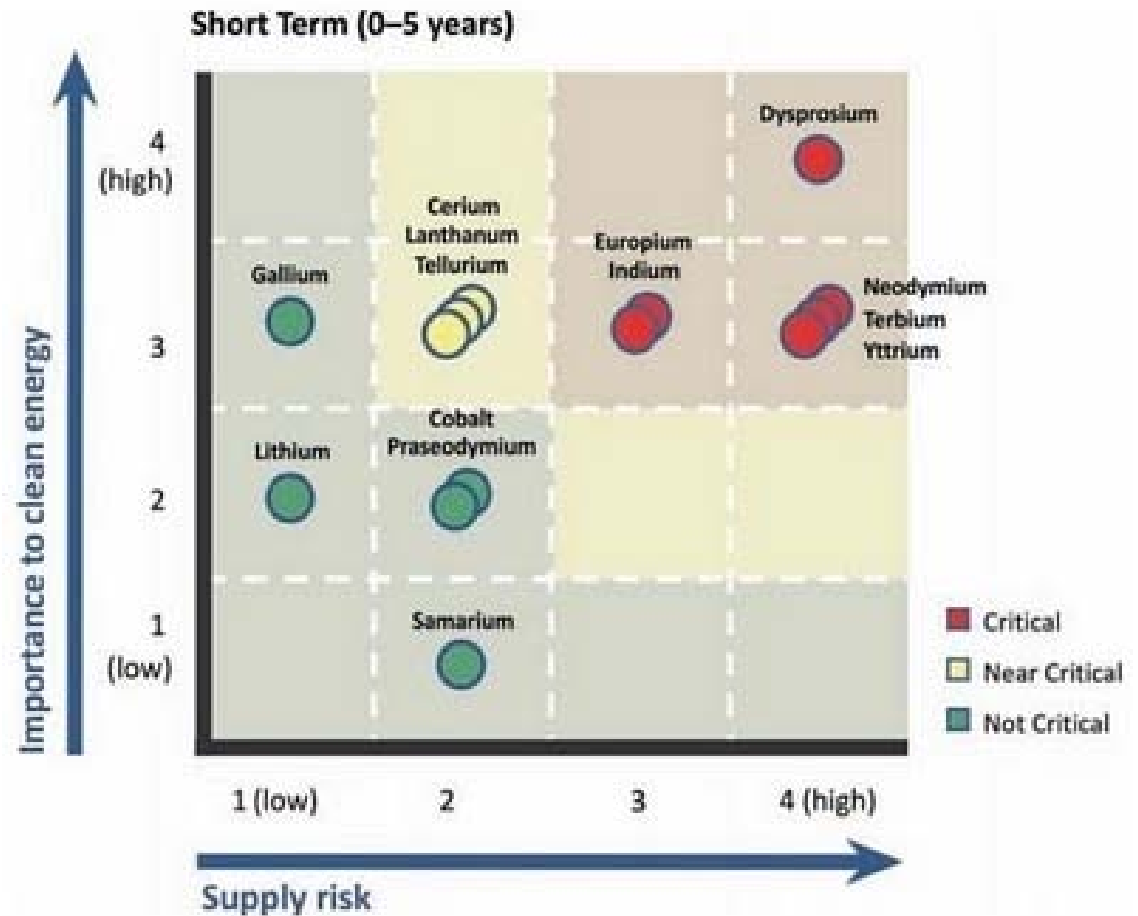
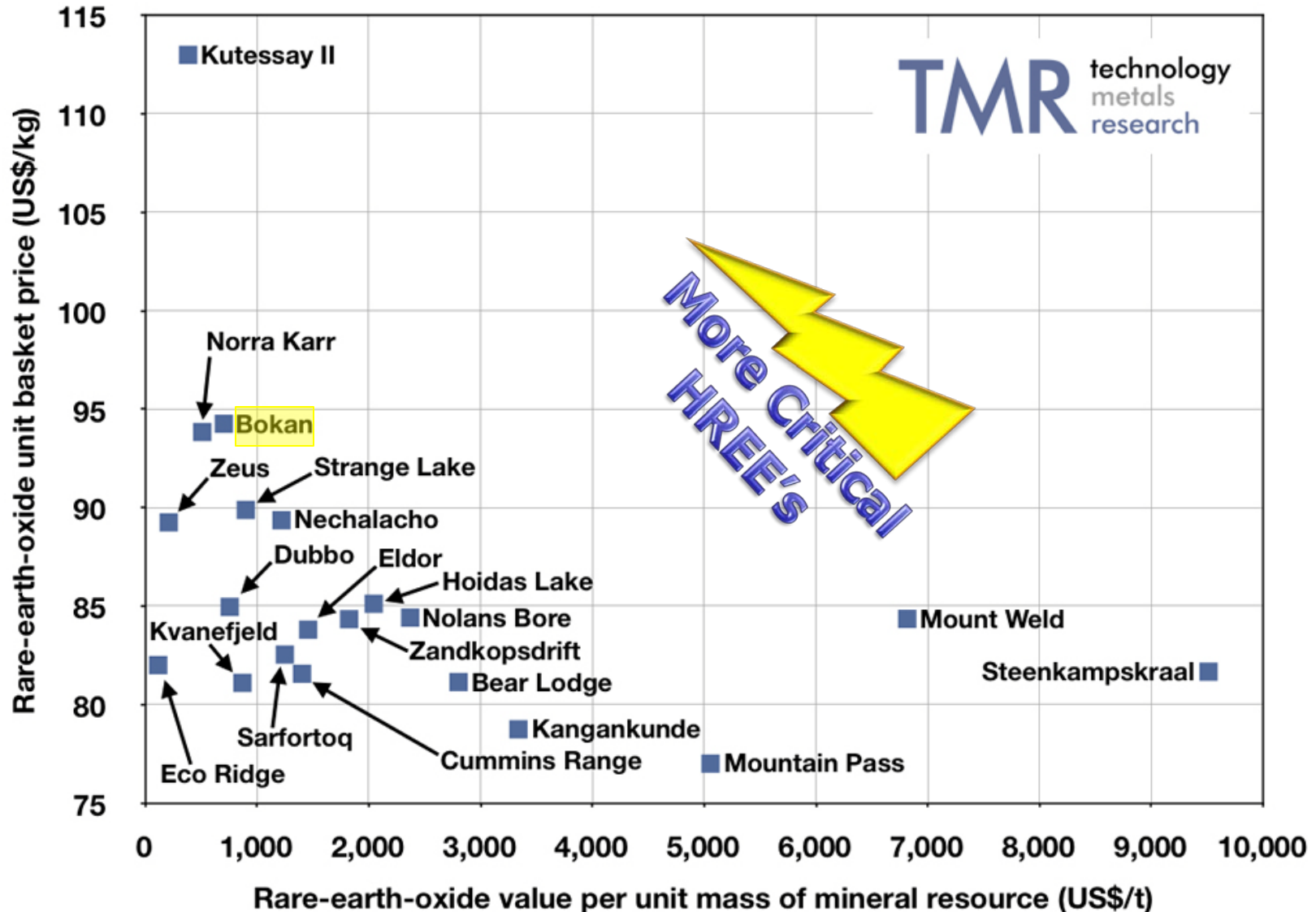


Figure ES-1. Short-term criticality matrix

Technology Metals Research / Bloomberg Rare Earth Index

Value Metrics for Advanced Rare-Earth Projects (based on Feb 2011 average market pricing)



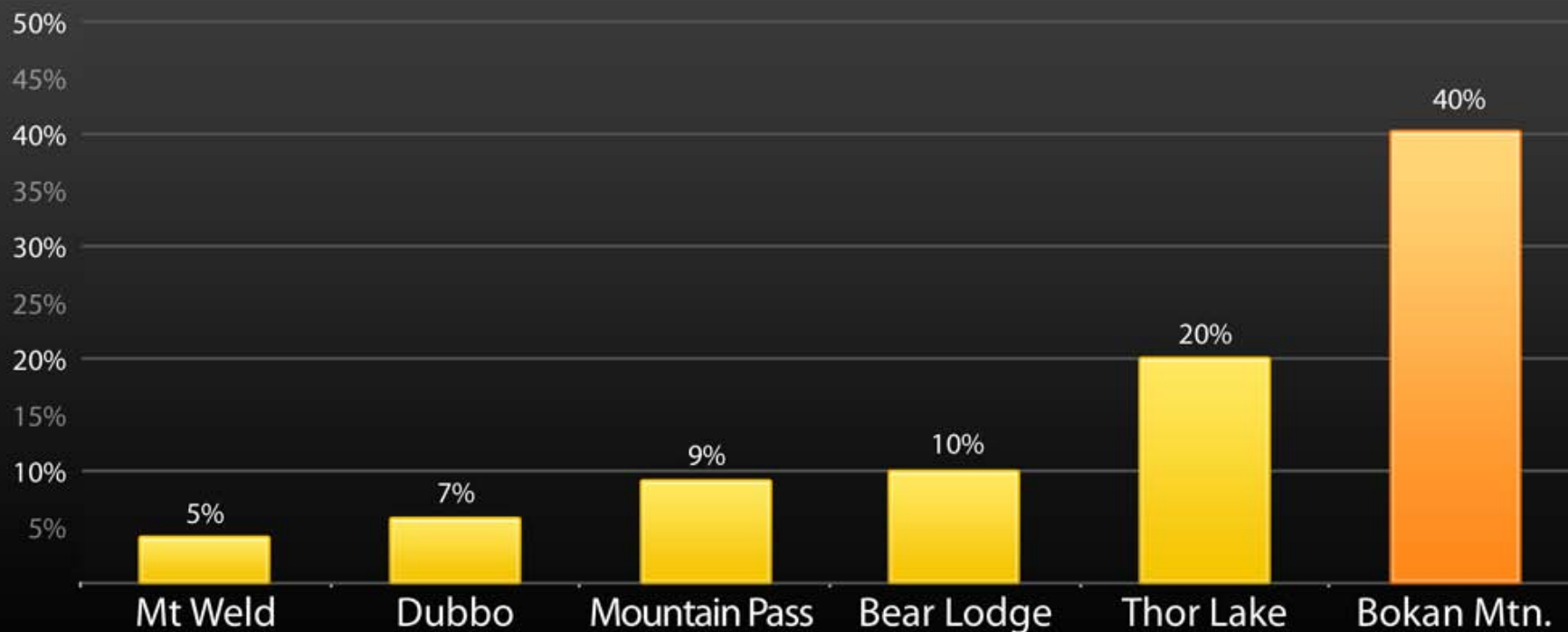
**What you
need to know
about Bokan
Mountain /
Dotson Trend**

- Bokan: 19 Rare Earth prospective zones
- Dotson Resource: 3.7 Mt @ 0.75% TREO, 39% HREE (NI 43-101); Q2 Hazen metallurgy report
- Most critical US deposit for Dysprosium, Terbium & Yttrium
- Unusually rich in Heavy Rare Earth
- Excellent logistics: located on Pacific Seaboard: only 55° N latitude
- Expect 3-5 year to production
- Alaska State and US Senate support

Heavy vs Light REE's "wealth in the ground"

Heavy vs Light Rare Earth Elements

HREO Content (as a percent of TREO)



Rare Earth Values

Heavy vs Light Rare Earth Elements

	Pure Metal Oxide	Principle Uses	Price US \$ / kg *
light	Lanthanum Oxide	Re-chargeable batteries	\$ 95
	Cerium Oxide	Catalysts, glass, polishing	\$ 95
	Praseodymium Oxide	Magnets, glass colourant	\$ 155
	Neodymium Oxide	Magnets, lasers, glass	\$ 172
	Samarium Oxide	Magnets, lighting, lasers	\$ 92
heavy	Europium Oxide	TV colour phosphors: red	\$ 830
	Terbium Oxide	Military: Guided missiles, smart weapons	\$ 820
	Dysprosium Oxide	Military: Lasers, high powered magnets	\$ 522
	Gadolinium Oxide	Magnets, superconductors	\$ 140
	Yttrium Oxide	Phosphors, ceramics, lasers	\$ 120

* Rounded from source: metal-pages.com; Mar 2011

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Ucore Overview

- TSX-V: UCU / OTCQX: UURAF
- Recent Market Cap - \$100 M
- Issued & outstanding shares – 140 M
- Cash - \$12 M
- 100% control of Bokan
- Insider Position: 12%

Management Team

Jim McKenzie, CEO

Peter Manuel, CFO

Mike Power, VP Exploration

Nick Vermeulen, VP Corporate
Development



World class Knowledge Team

Jim Barker, Bokan project geologist
Alaska's Mr. Rare Earth; ex USGS –

Dr. James Clark, Consultant
REE specialist & exploration geologist

Dr. Jaroslav Dostal, Board member
Prof. Emeritus Saint Mary's University; recipient of
2009 USGS Research Grant to study Rare Earths at
Bokan - USGS has been tasked with researching
mineral deposits of economic importance to the US.

Harmen Keyser, VP Project Development
P.Geo 30 Years Experience in Exploration Geology

Jack Lifton, Consultant
Leading authority on global metals market

Dr. Anthony Mariano, Consultant
Leading authority on Rare Earths
(Molycorp, Neo Materials)

Ucore Forward Business Strategy

- Mine-to-Magnet strategy
- Develop Bokan deposit towards Final Feasibility
- Find strategic partners for vertical integration
- Aim to deliver product closer to magnets higher up the value chain
- Create 100's to 1000's of high value "cleantech" jobs in Alaska or Pacific NW
- Put Alaska on the "Cleantech Frontier"

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U.S. based Bloomberg Index Rare Earth Projects

 **Bokan (HREE)**

- Bokan : Dotson Resource one of 19 REO prospective zones

- Intercepts of up to 95% HREO

 **Bear Lodge (LREE)**

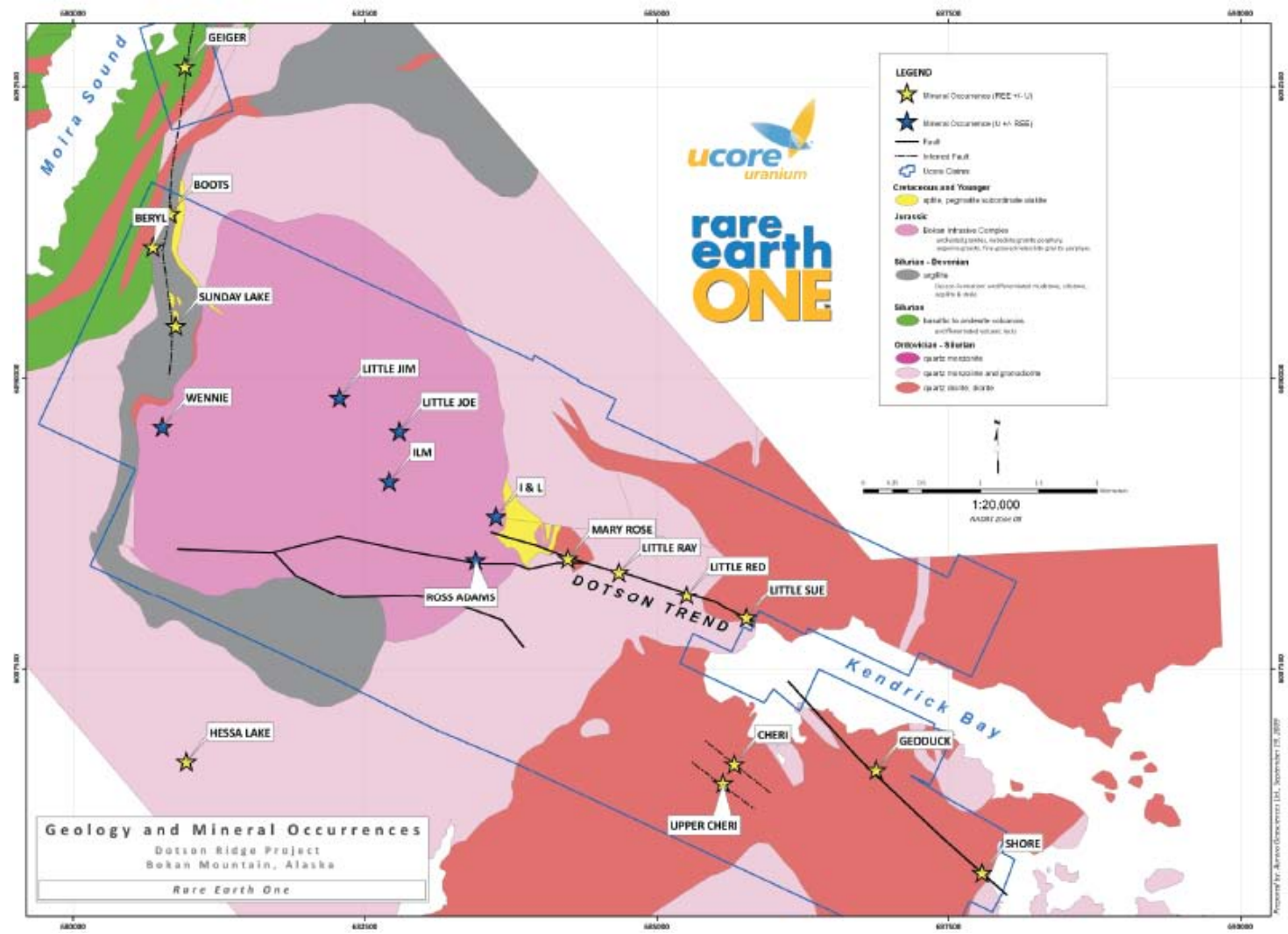
- Most critical US Dysprosium deposit

 **Mountain Pass (LREE)**

- EXCELLENT logistics



Bokan Geology



**Bokan /
Dotson Trend
Project Phase**

- NI 43-101 resource published
- Permitting for underground exploration
- Permitting for production
- Development of US based REO processing & metal making strategy
- Q2 - '11: metallurgy study
- Q2-3: 6-9km drill program

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Summary

- Bokan US most Dysprosium Critical deposit
- Location, location, location: Bokan is ON Pacific Seaboard, only 55° N latitude
- 43-101 Resource published, Hazen Research Metallurgy Report Q2
- Expect 3-5 years to production
- Looking for strategic partners to build US based separation & refining facility





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Thank you!

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