



BRINGING ALASKA'S CORE-CM POTENTIAL INTO PERSPECTIVE

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VISION & MISSION

Vision: Bring Alaska's CORE-CM potential into perspective

Mission: Establish a CORE-CM industry in Alaska by working with industry and other stakeholders to ID opportunities (create a basinal assessment database) and establish plans for a TIC for addressing barriers inhibiting investment



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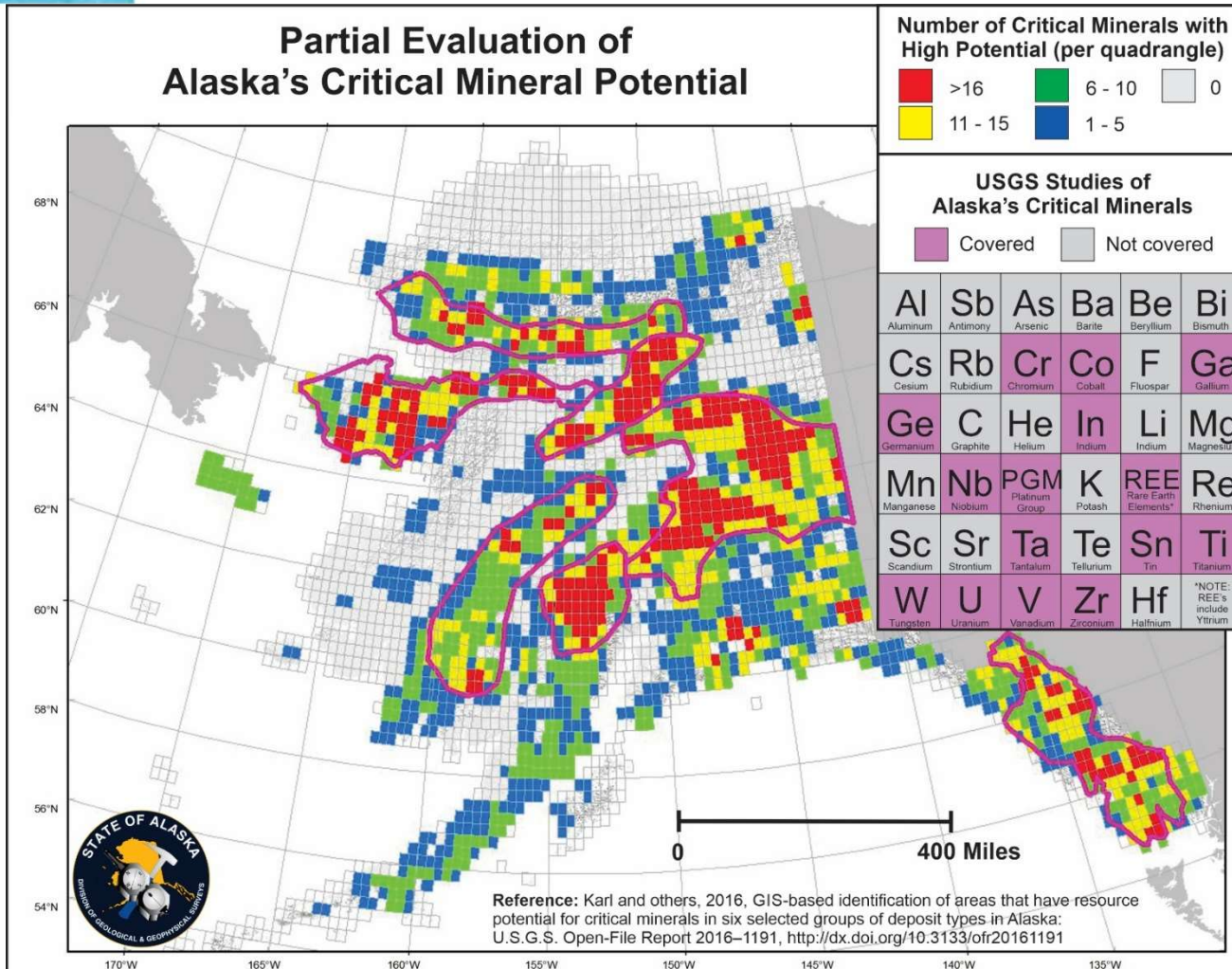


WHAT IS OUR REGION?



CRITICAL MINERAL BELTS

Partial Evaluation of Alaska's Critical Mineral Potential





KEY ELEMENTS (DATASET)

Unlike the continental U.S., characterization of carbon ores for their REE/CM content in Alaska's many basins is still in its infancy

Therefore, an essential component of this project is to create a robust statewide dataset on the REE/CM content of carbon-based ores, centering on three principal sources

- 1) existing published and unpublished data
- 2) new data from archived legacy samples
- 3) new data from newly acquired field samples

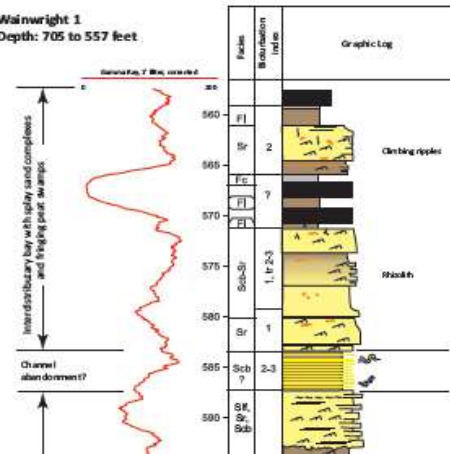


KEY ELEMENTS(GMC)

- 3096 Alaska energy wells
- 26,500,000 feet of energy strata drilled
- 16,700,000 representative feet of energy core and cuttings
- 76,000 linear feet of energy core
- 22,000 Alaska minerals boreholes
- 766,000 feet of mineral rock drilled
- 617,000 representative feet of mineral core and cuttings
- 354,000 linear feet of mineral core
- 250,000 processed slides and thin sections
- 507,000 surface samples



Wainwright 1
Depth: 705 to 557 feet





KEY ELEMENTS: PRIVATE SECTOR INVESTMENT



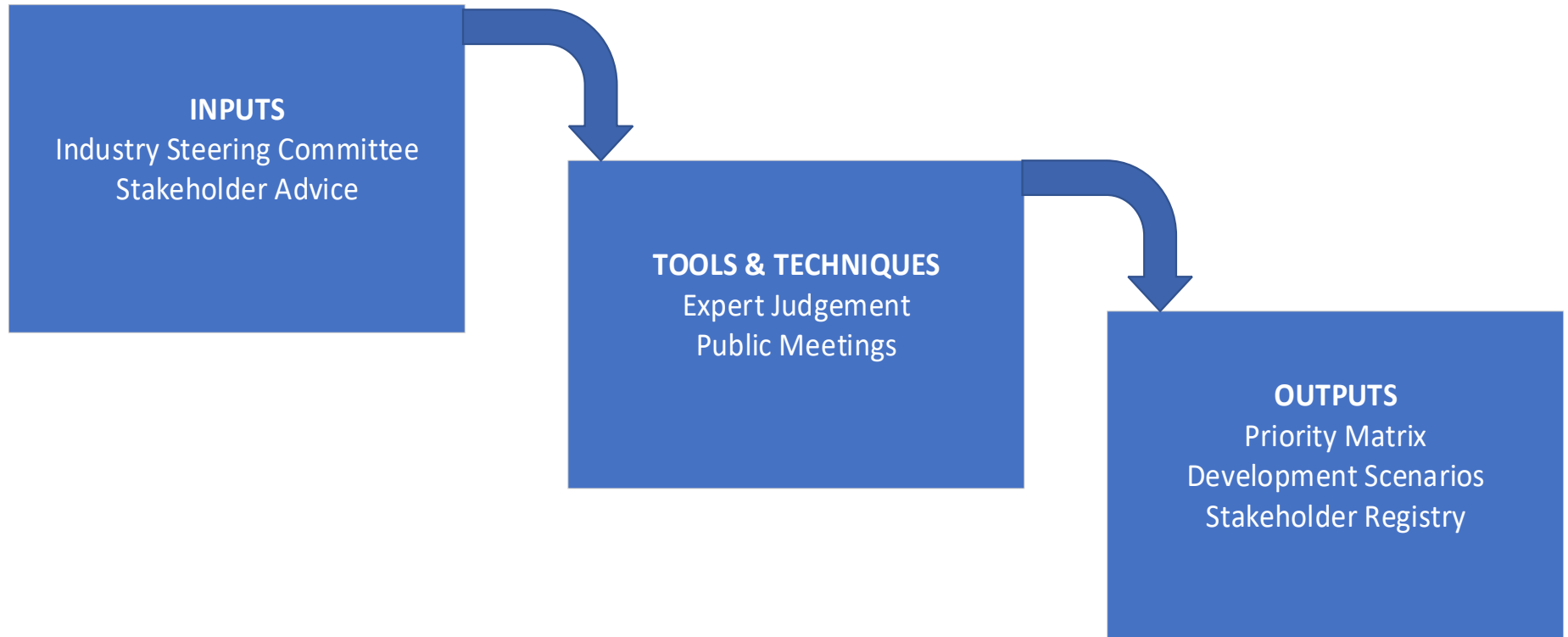
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KEY ELEMENTS (PUBLIC INVOLVEMENT)





TEAM MEMBERS



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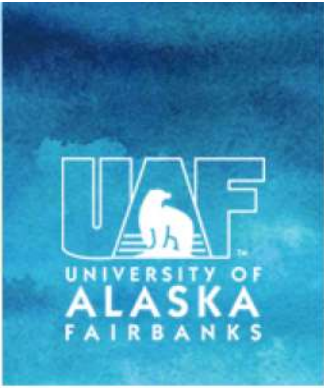
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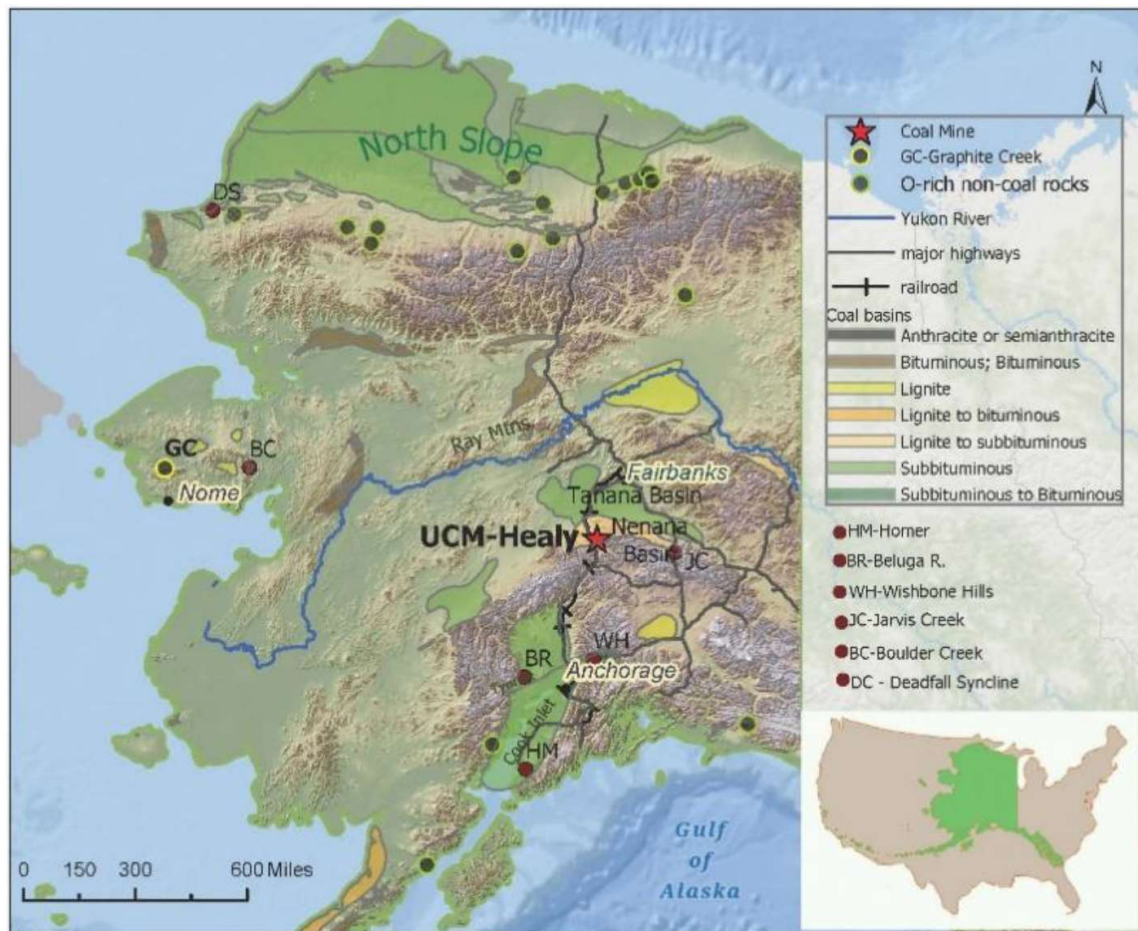
REDLEAF
RESOURCES



WHY THIS PROJECT IS IMPORTANT TO ALASKA?

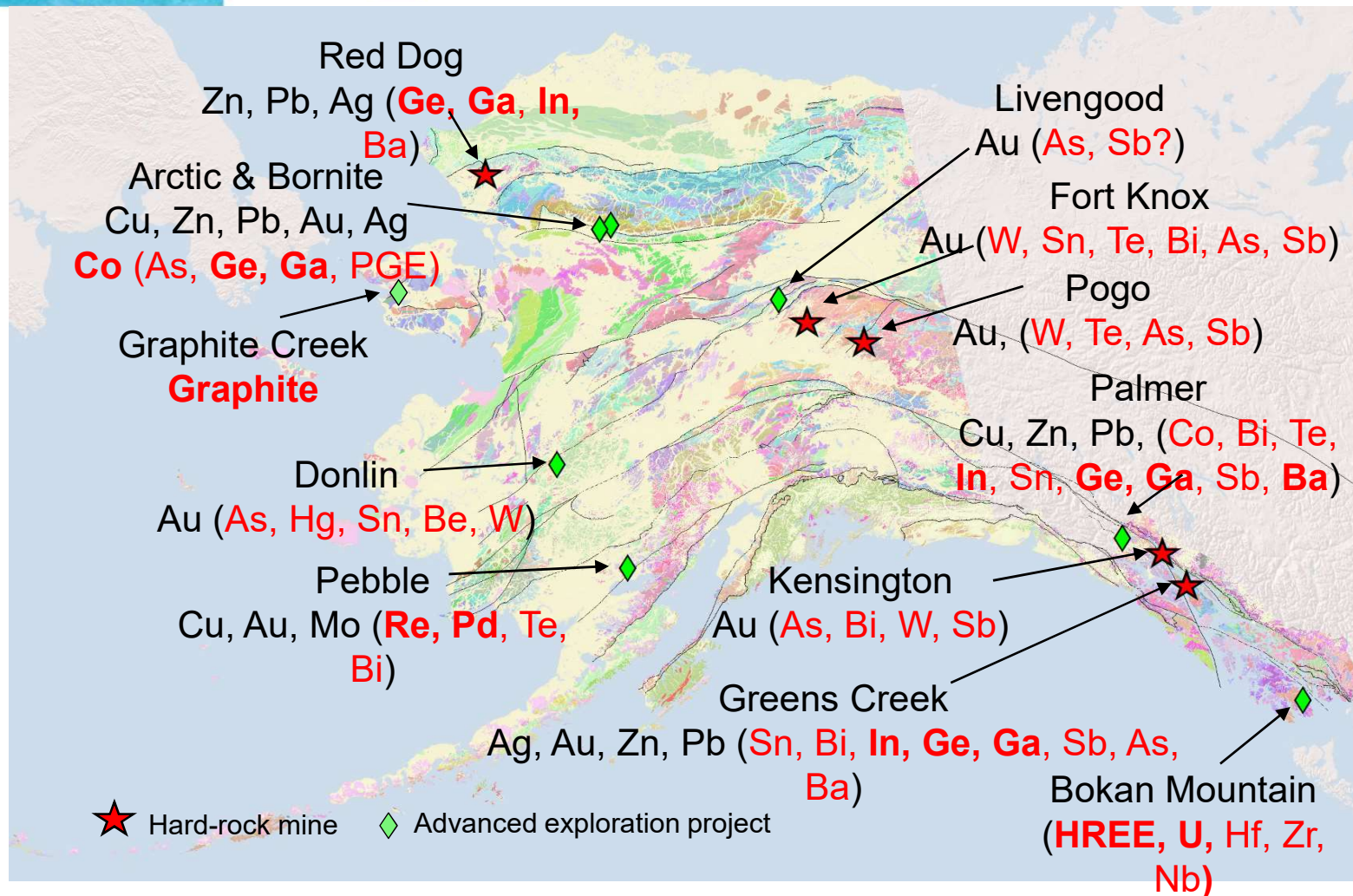
Coal

- Estimated to contain more than 5 trillion short tons of coal--more than half of the estimated resource in North America
- 50+ coal fields deposited in a variety of tectonic settings
- 95% is found in Cook Inlet, Central Alaska, and North Slope provinces





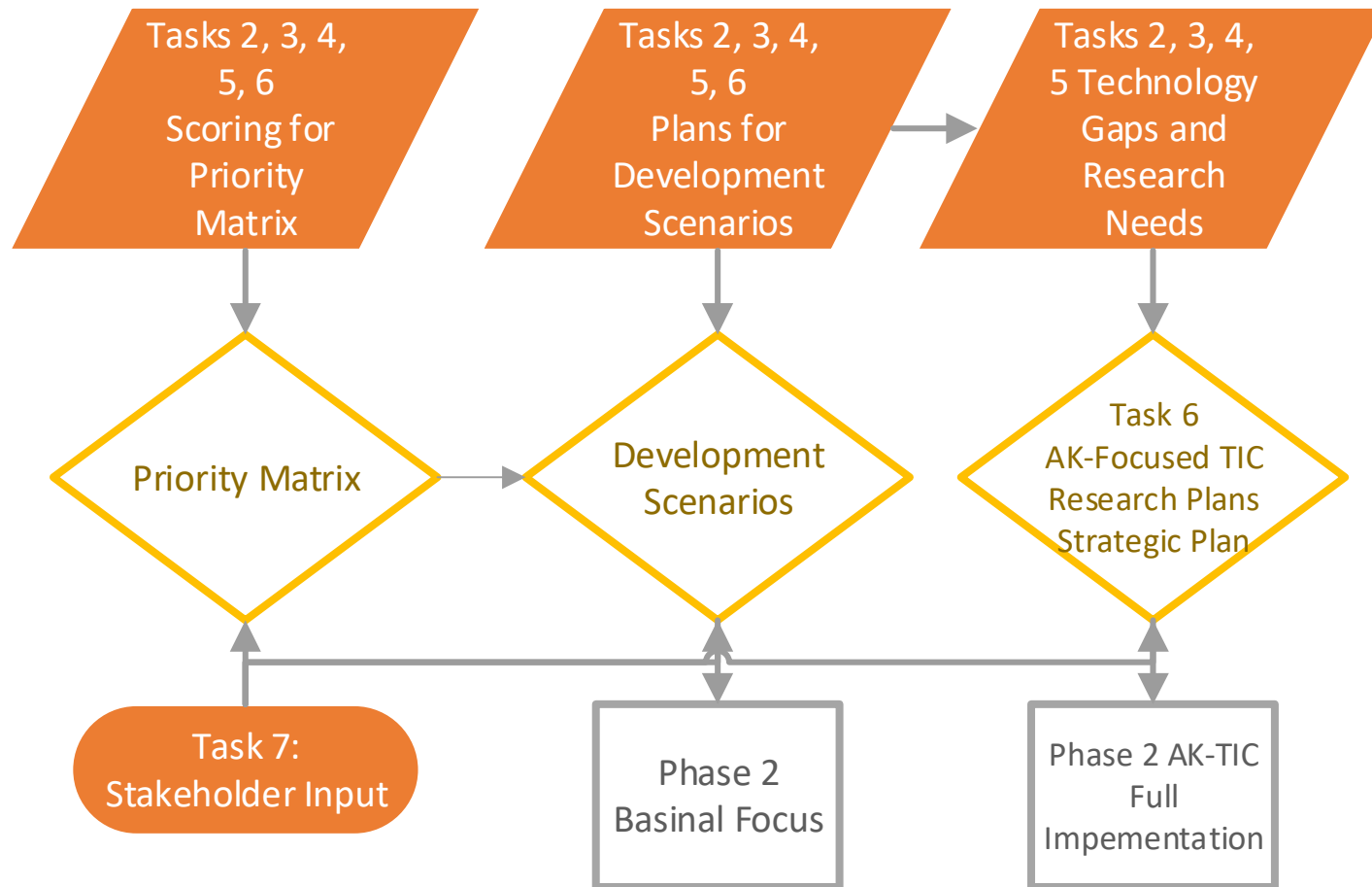
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STAKEHOLDER ENGAGEMENT

Period of Performance





EXAMPLE: PRIORITY MATRIX

Definition 1	Metric Description	Site 1	Site 2	Site 3	Site 4	Site 5
	Available Data	200	110	100	120	
D1	Cores available to study?	100	55	50	60	
D2	REE-CM in opening mine?	100	55	50	60	
	Mining	500	335	130	385	
M1	Concentrations	400	275	40	225	
M5	Overbuden	100	60	90	160	
	Environmental	500	110	250	300	
E1	Env. Justice	250	55	125	150	
E2	Resue of Waste Streams	250	55	125	150	
	Technology					
T1	Suitable mining technology exist?					
T3	Technology gaps to address					
	Manufacturing Value/Potential					
V1	Carbon-based products					
V2	REE-CM based products					
	Infrastructue & Workforce					
I1	Access (roads, rivers, bridges)					
	Regulatory					
P1	Permits required					
P2						



THANK YOU

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