

Berm

Rare Earth Terminology Edition / Chipewyan



Heavy Minerals

Pyrometallurgy

Hybrid Car

Alloying

Mackenzie Valley :

Benign

Flotation

Organic Reagent

Solvent Extraction

Diverse languages and cultures in the North mean interpreters and translators have an important and challenging job. Whether it is explaining what has been said or what has been written, superior translation and interpretation helps people understand and it is important to good decision-making.

The Mackenzie Valley Environmental Impact Review Board strongly believes by building the capacity of interpreters and translators, communities, industry, government and regulators can be more confident that what is being communicated has been accurately translated.

At the Review Board's interpreter/translator workshops, the participants discuss English words and ways to explain them in their aboriginal language. The result is a glossary of terms, which contains the English concepts and ideas and the aboriginallanguage equivalents. This glossary of terms is the result of the Review Board's sixth translator workshop, which focused on developing terminology for the rare earth minerals industry. The Yellowknives Dene, with the support of the Canadian Northern Economic Development Agency (CanNor) generously sponsored the workshop.

The translations included in this glossary may require further revisions depending on how the words are used during interpretation and translation. Because the Review Board has not been able to work with and record each dialect, translators are encouraged to speak to elders and community experts for translations. The glossary provides spaces for interpreters and translators to write in their own translations, correct errors, or add general notes.

This glossary can be downloaded from the Review Board's website, in the reference library, at **reviewboard.ca**.

Introduction

main you to the following interpreters, translators and Enders for their contributions to this insert of term		
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Decline or Ramp Tunnel going underground starting from surface and gradually going deeper, at an angle that allows trucks to go up and down.	Tįlu ní yághe yonizá Back Translation Underground open road to mine.	Notes:
Conveyor A continuous belt running on wheels, often from underground and running up the ramp to bring material to the surface. Also used to move materials around a plant/mill. <i>e.g.: a bit like an escalator without steps.</i>	Théth naretł'el Back Translation Belt turning around.	Notes:
Metallurgy The engineering work that processes rock to obtain the valuable materials – minerals and metals. Also the engineering work to make alloys (mixtures) of metals or other elements.	The ts'į 2ełk'éch'a satsáné xałé́ Back Translation Rock, by it, different metal is made.	Notes:

Hydrometallurgy Extraction of valuable elements from minerals using liquid like water and acid.	Tu, chú nódi slíne cotiu héťa the ts'į łásíe náltsí	Notes:	
	Back Translation With water and acid, something is taken from metal.		
Pyrometallurgy Extracting of valuable elements from minerals using fire.	Back Translation	Notes:	
	The páltkiör ghálada kiá	Notes:	
Mill/Plant A part of a mine operation where metallurgy is done – the rock is crushed (milled) like wheat, and then the flotation occurs to separate the minerals.	The náltł'ës ghálada k'é Back Translation Rock crush work place.		
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Fuel e.g.: gasoline, diesel	Ni yághet ts'í tł'ës Back Translation	Notes:
Flotation Using special compounds, a bit like soaps, that make bubbles, that minerals selectively float on.	Haxos bet'e satsán the dazúl Back Translation By bubbles, metal is taken.	Notes:
Refining Taking a mineral, compound or element, and purifying it – taking out the material that does not belong.	Satsáne tthe selzį kųę́ Back Translation Metal is fix place.	Notes:
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Solvent Extraction Removing something (like metal) from a solution by putting a different solution in a contact with it, where the thing (like a metal) prefers to be.	pasie bet'á satsáne tthe pełta hálye Back Translation Something to separate the metal.	Notes:
Recycling	>ak'ek'ëré bet'á nahát'í	Notes:
Convert waste into reusable material.	Back Translation	
Mineral Concentrate Material consisting of the valuable minerals in a rock separated from minerals that have little or no value.	Satsane tthe bets'į ⁊asíe dedliné hIchu	Notes:
	Back Translation Taking the purity from a metal.	
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Heavy Minerals Minerals that are heavier than a typical mineral. Technically, the same volume of a heavy mineral maybe as much as twice as heavy as a typical common minerals.	The bet'óré⁊a nedáth Back Translation Valuable metal, heavy.	Notes:
Fault A crack through the earth where two bodies of rock have moved relative to one another.	Ni 2eltál nádą Back Translation	Notes:
	Ground crack, moved.	
Acid	?asíe dënits'į	Notes:
Water (solution), which has an excess of hydrogen ions. Can dissolve some substances. Can be strong or weakly acid. <i>e.g.: Lemon juice is acid, coca cola is acid.</i>	Back Translation Something that's bitter. Poison that is used to burn.	
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Neutral pH (water) Water (solution) where there is an exact balance between acid (for example, coca cola) and alkali (for example, salt).	Tu/ku betá pH húlye hųli. Bet'á náídį słįne huldzáy Back Translation Water that has a pH in it.	Notes:
Organic Reagent A chemical, usually liquid, that is made from a compound that has used to have it origin in a living material but now means that the main building block of the compound is carbon atoms.	?asíe bek'ųde ts'į Back Translation Something from something that was once alive.	Notes:
Inert or benign A substance that, in less or more quantities, has a harmful effect on life (animal or plant). Toxicity may vary with amount. Some substances are toxic at almost any levels; others are only toxic at high amounts.	 ?asíe dáną beťá burełoíle Burłioíle Back Translation 	Notes:

Development A project (industry or civil) that is advancing through studies or building. Usually implies that actual physical activity is taking place, such as building.	pasíe hałé bek'e peghálada Back Translation To work to make something.	Notes:
Environmental Stewardship Taking responsibility for the environment to ensure that a physical activity (building, mining exploration) does not have undue negative effect on the environment. It suggests taking into account environmental issues all the time.	Ní ts'įdhir ch'á badi Back Translation Watching the land from damage.	Notes:
Hybrid Car A car that has two motors – a normal gasoline motor, plus an electric motor and can be on the electric motor to save gasoline.	Tłës chu ⁊įdí kó chu t'a tłës beschëne hekóth Back Translation	Notes:
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Renewable Energy Any naturally occurring theoretically inexhaustible source of energy, as biomass, solar, wind, tidal, wave, a hydroelectric power that is not derived from fossil or nuclear fuel.	Harelyų 2anáré ts'į 2įdí k'ón hełtsi Back Translation From all around energy is made.	Notes:
Solar Energy Energy derived from the sun in the form of solar radiation.	Sa nághe t'á ⁊įdi koné ⁊ełtsį Back Translation From the sun eye rays energy is made.	Notes:
Stockpile A supply of material in mining, usually a large supply of some rock or concentrate held in reserve for use during a shortage or during a period of higher prices. May be lower metal content than the normal mined rock.	The nates bet'ánahat'į xa tthën ts'ën nílye	Notes:
	Back Translation Rock is piled up for use later.	
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Wind Turbine A turbine powered by the wind. Turbine: any various machines having a rotor, usually with vanes or blades, driven by the pressure momentum, or reactive thrust of a moving fluid, as steam, water, hot gases, or air, either occurring in the form of free jets or as fluid passing through and entirely filling a housing around the rotor.	Satsán niłtş t'á hegoth Back Translation Making power by wind.	Notes:
Alloying To mix (metals or metals with non metals) so as to form an alloy.	?ełk'éch'a satsáne >ełta>į Back Translation Mixing different metal together.	Notes:
Barge A capacious, flat-bottomed vessel, usually intended to be pushed or towed, for transporting freight or passengers.	Ts'l káré Back Translation Flat boat.	Notes:

Berm Bank of earth in mining usually placed in order to contain a body of water, tailings or other similar material. Often to prevent drainage from the material into the natural environment or to prevent water flowing into the body.	Tu niłbën ch'á benáre 261 hałé Back Translation From the water leaking a dam is built around it.	Notes:
Corduroy (as in drill trails, roads, etc.) Constructed of logs laid together	Dechënlëlú tịlu nízel k'e (néné) nánizá	Notes:
transversely, as a road across swampy ground.	Back Translation Log road across the swamp.	
Driller/Helper	The heldëth dëne	Notes:
The person in charge of a drill at an exploration project or mine.	The heldëth dëne ts'éni	
	Back Translation Person that drills Person that helps the driller.	
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Energy Efficient Using energy (electricity, fuel) in such a way as not to waste it.	?įdí k'ón bek'enet?á Back Translation Conserving energy.	Notes:
	Conserving energy.	
Environment	Harelyų́ 2anáre 2asíe dána	Notes:
Ecology, the air, water, minerals, organisms, and all other external factors surrounding and affecting a given organism at anytime.	Back Translation Everything around that is alive.	
Gases of Air Quality	T'a bet'á ts'ejí / nįłts'l búldzáy	Notes:
A measurement of the pollutants in the air; a description of healthiness and safety of the atmosphere.	Back Translation What you breathe is measured.	
e.g.: Smog is a mixture of pollutants, principally ground-level ozone and produced by chemical reactions, that greatly affects air quality.		
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Grind To reduce to fine particles, as by pounding or crushing, bray, triturate, or pulverize.	Pasíe náldeth Back Translation To grind.	Notes:
Limestone A sedimentary rock (formed in water, not in volcanoes) consisting predominantly of calcium carbonate, varieties of which are formed from the skeletons of marine microorganisms and coral; used as building stone and in the manufacture of lime.	?etech'ądíe gu tth'éné tsị the netế Back Translation From underwater dead animals rock is made.	Notes:
Permanent Magnet A magnet that retains its magnetism after being removed from an external magnetic field. Magnet; a body, as a piece of iron or steel that possesses the property of attracting certain substances, as iron.	Satsáne pełerílt'us pat'í Back Translation Metal that stick together became.	Notes:
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Reagent A substance that, because of the reactions it causes, is used in industrial processes and chemical analysis.	?asíe ?ełta ?į ?ëne ?edų́ ?at'í Back Translation Substance mix together to make change.	Notes:
Spill Kit Tools and equipment, organized into a bag or case, used to clean up spills of industrial materials such a diesel fuel, grease, etc.	?asíe n'įtl'ir bek'alde xa ts'etáy thela Back Translation Something to wipe up spill is there.	Notes:
Supply Chain Any sequence of processes involved in the production and distribution of a commodity – for example iron, is mined, then transported to a steel mill where it is made into steel, and then the steel is sold to a car body and finally the car is sold to the final customer.	T'ą bet'át'atu beghą na?ót'e ts'ën beghálada Back Translation By the people how work is done until it's complete.	Notes:

Benunishą Back Translation To know.	Notes:
Tu bek'enel⊅á Back Translation Careful of water in order not to waste it.	Notes:
Back Translation	Notes:
	Back Translation To know. Tu bek'enel2á Back Translation Careful of water in order not to waste it.

Communications Means of sending messages, orders, etc., including telephone, telegraph, radio and television.	?ełts'ën dáyáts'élti Back Translation Talking to each other.	Notes:
Control Technician (in the mill) The person in the mill part of a mining operation, who controls the operation, usually sitting at a computer screen where there is information about everything that is happening in the process.	Dëne betł'azį satsáne hetł'él Back Translation The person in charge of running the mill.	Notes:
Crush To squeeze or pound into small fragments or particles as ore, stone, etc. – at a mine there is usually equipment with large steel plates ("jaws") that smash the rock into small pieces, from where it goes into the rotating mill.	Náltz'ës Back Translation To crush.	Notes:

Detonators	Bet'á ⁊ałk'iníłk'éth	Notes:
Device, as percussion cap, used to make another substance explode. The detonator	Back Translation	
just makes a small exploration, which causes the big one.	Something that cause explosion.	
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