

# West High Yield (W.H.Y.) Resources Ltd.

## Your Future Supplier of Magnesium Products

Contained 10,590,000 Metric Tonnes Mg



[www.whyresources.com](http://www.whyresources.com)

TSXV: WHY

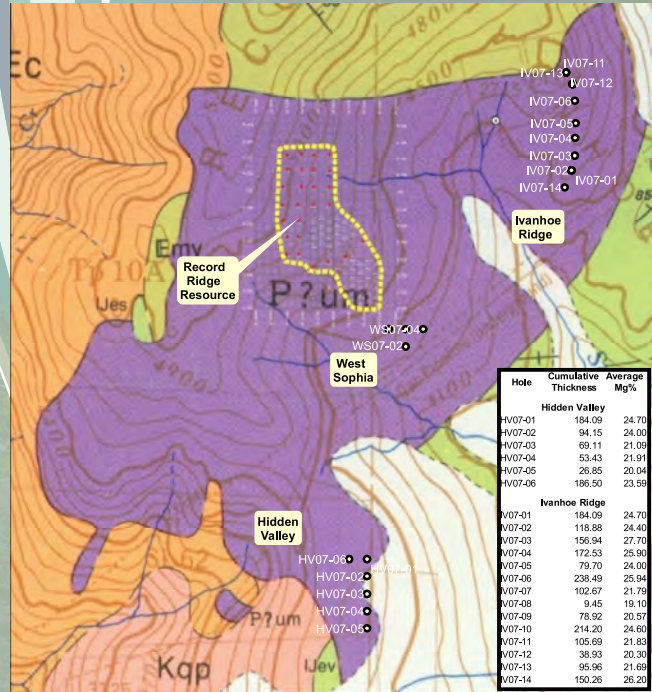
**Location:** Record Ridge South Property is 10 km SW of Rossland, British Columbia, Canada

**Deposit:** Ultramafic deposit –hosting an average of 24.61% Magnesium over a drilled area of 1000m X 600m on the Company’s 7.5 km<sup>2</sup> outcrop discovery property.

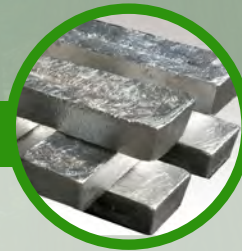
**Ownership:** 100% ownership of 8,972 contiguous hectares which could support open pit mine and processing facility.

**Infrastructure:** Full infrastructure including established roads/highways, electrical power, water and natural gas. Supporting industries in close proximity, close to Canada/US border, nearby rail access and closest port is Vancouver, B.C.

**Status:** 10,590,000 Metric Tonnes Measured & Indicated of contained Magnesium based on completed P.E.A., NI 43-101 by SRK Consulting Engineers of Denver Colorado. Submitted Amended Mine Permit Application on February 15, 2022



### Your future Magnesium supplier



## RR PROJECT TIMELINE

Advanced stage project

**EXPLORATION**  
Between 2007 and 2011 WHY conducted exploration including 10,000 metres drilling, 77 holes, all mineralized.



2007

**RESOURCE ESTIMATE**  
WHY produced NI 43-101 Technical Report initial resource estimate of 39 Million tonnes M&I



2009

**PEA STUDY**  
WHY completed NI 43-101 Technical Report PEA Study and updated resource estimate of 43 Million tonnes M&I.



2013

### PFS REPORT

PFS-Stages-1 and 2 presented an optimized proprietary HCl process with higher product purity and recoveries, thus substantially improving project economics.

WHY completed PFS report with demo/commercial plant designs and economic analysis



2019-22

### MINING PERMIT

2019 - The Company completed Environmental Assessment and Environmental Baseline Study and submitted its Mine Plan Permit Application.

Permit is expected in 2023



2019/23

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# Strategic & Critical Minerals

Magnesium 24.6%    Nickel .26%    Silica 38%    Iron 8%

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## PFS Highlights Based on Products/Pricing <sup>1</sup>

Product		>99% MgO	>98% MgO	Mg Ingot
	Unit	US\$	US\$	US\$
Product Price		\$2,200	\$1,500	\$6,000
NPV 5% PreTax	\$ Million	\$1,417	\$994	\$1,636
IRR Pre Tax	%	73.5	80	53
NPV 5% Post Tax	\$ Million	\$1,254	872	1,139
IRR Post Tax	%	64.5	72	41
Initial Capex	\$ Million	325	250	275
LOM Average Annual Production	Mt	90K	90K	50K
LOM Average Mineralization Mined	MT	300	300	
LOM Strip Ratio	Waste/Ore	0.8	0.8	
Mine Life	years	172	172	172
Payback	Years	<2	<2	<2
Net After Tax Income Year 1	\$ Million	90	74	160

<sup>1</sup> Pre-Feasibility Study by KPM and Burnigeme, November 2022

## West High Yield Resources Ltd. Completed Postive Pre-feasibility Study in November 2022 For Magnesium Production Plant

### Key Pre-feasibility Study ("PFS" or the "Study") highlights:

- **Robust Project Economics:** Post-tax net present value ("NPV") (discount rate 5%) of \$871.8 million and post-tax internal rate of return ("IRR") of 72.03% using a long-term magnesia ("MgO") baseline price of \$1,500/metric tonne ("Mt") and an exchange rate of CAD\$1.00 = US\$0.73.
- **Production profile:** Annual average production of 86,500 tonnes of 98% purity MgO product at capacity.
- **Low capital intensity:** Initial capital expenditures ("CAPEX") of \$205.4 million including mine preproduction, processing, and infrastructure (access roads and site preparation)
- **Competitive cost profile and rapid payback:** All-in-Sustaining Cost ("AISC") of \$375/Mt of MgO product, a post-tax payback of 1.5 years, with \$1,489 million cumulated cash flow and \$871 million discounted cumulated cash flow over 20-year projected life of the project for the purposes of the PFS.

\*Based on 250K tonnes per annum of ore throughput.

## Applications of Magnesium

### Magnesium Alloys

- Automotive and Aircraft Industries: over 100 different components due to light weight components of magnesium that lead to better fuel economy.
- Aerospace and Defence Industry: Lightweight properties of magnesium improve performance of aircrafts, vehicles, armor and equipment.
- Consumer Goods Industry: electronics (mobile phones, laptops, flat screen TVs) and sporting goods (bicycle frames, ski bindings and tennis rackets).

### Magnesium Oxide - MgO Board - Magnesium Batteries -Magnesium Metal Ingots for Electic Vehicles

- Factory-made, non-insulating sheathing board product used in the construction industry.
- 99% Purity. Pharmaceutical Grade - Food Grade

### Magnesium Soil Re-minerailizer Fertilizer

### Magnesium Battery Chemistry

- On the cusp of Commercialization

## Risks and Disclaimer

W.H.Y. is an exploration & development company with risks pertaining to, among other things, commodity price and foreign exchange fluctuation, geological factors, reliance on third parties and services and access to markets. The information contained was obtained from sources the Company believes to be reliable. We do not represent that such information is accurate or complete and it should not be relied upon as such. Any opinions expressed herein reflect our judgement at this date and is subject to change. This is not to be construed as an offer to sell or a solicitation to buy securities in the USA or Canada.