

**ORGANIC
DIRECT
APPLICATION
RAW ROCK
PHOSPHATE**

April 2024

NEVADA  **ORGANIC PHOSPHATE**

CSE NOP



*A tipping point has **OCCURRED** in the agricultural industry: **it is called ORGANIC***

NOP intends to become a significant producer of raw organic, direct ship of pit-run phosphate fertilizer to the growing \$121 billion** (2020, pre-covid) “organic food” market in North America.

American farming environmental practices are rapidly moving to a direct application of **REACTIVE** rather than soluble chemical phosphate.

NOP does not have to compete with the conventional chemical agricultural input industry.

** Economic Research Service U.S. Department of Agriculture
in 2021 at 8.7% annual growth rate between 2021 – 2027

MURDOCK MOUNTAIN P₂O₅ IS CURRENTLY UNIQUE IN THE US FERTILIZER INDUSTRY AS ORGANIC

ITAFOS 43-101 States

- All (other) phosphate rock produced in the U.S. is used by similar vertically integrated fertilizer and phosphorous producers (like ITAFOS) and for this reason there are no publicly available commodity price indices for phosphate ore or phosphate rock sold in the southeastern ID region.
- Source: Golder Associates Inc. (NI 43-101 Technical Report on Itafos Conda and Paris Hills Mineral Projects, Idaho, USA, P.3-3, Itafos July 1, 2019)
- Most fertilizers produced are either MAP or DAP, or some like beneficiated product binding P with ammonium to produce a phosphate-ammonium fertilizer. As a result of the chemical reaction, those cannot be certified as organic.
- MAP, monoammonium fertilizer, is on average 50% P₂O₅ and 10% nitrogen.
- DAP, diammonium fertilizer, is the world's most widely used fertilizer, combining 18% nitrogen and 46% P₂O₅.¹
- The phosphorus used in the manufacture of fertilizers comes from phosphate rock, which is mined and then processed to make phosphoric acid. Phosphoric acid is used in turn to make fertilizer. A by-product of this process is phosphogypsum, which is radioactive. For every 1 ton of phosphoric acid produced, 5 tons of radioactive waste is also produced.²

1. <https://www.differencebetween.com> 2010-2018

2. Wendy Taheri, Ph.D., August 2012 issue of Acres U.S.A

MOMENTOUS TIME TO INVEST

Nevada Organic Phosphate's Murdock Mountain Project

- Nevada is a politically safe, mining friendly jurisdiction
- Organic product, **certification pending**
- Situated next to infrastructure (rail & road)
- Strong exploration and development management team
- Experienced consultants in distribution of organic inputs

“Investing in the leading and emerging agricultural input companies with strong management, technology, vision and distribution is to be participating in one of the most momentous aspects of human progress – profitability, and at low risk”

*Don Coxe:
“Basic Points”*

MURDOCK MOUNTAIN GOOGLE EARTH

LEACH MOUNTAINS PROJECT AREA

MURDOCK MOUNTAIN



PROJECT POTENTIAL

NOP Now has 4 BLM Applications – Totaling 7,824 Acres = 12.25 Sq Miles

- The Murdock Property is a nearly flat lying sedimentary rock phosphate exploration target.
- The initial 1,813 acre Application target is believed to host a potential 10 to 46 million tonnes ranging in grade from 3-15% P₂O₅ based on an average thickness of 3.5 metres and a specific gravity of 2.6. *These ranges are based on previous workers and researchers estimates and have not been verified by NOP according to current 43-101 standards of disclosure.*
- Based on this geological model and historic ranges, the 3 additional applications, totaling 6,011 acres, add up to an additional 218 million tonnes of P₂O₅ exploration potential to the Murdock Property. *The reader is cautioned that the potential quantity and grade is conceptual in nature, there has been insufficient exploration to define a mineral resource, and it is uncertain if further exploration will result in the target being delineated as a mineral resource.*
- The Murdock Property Applications are subject to on-going environmental impact assessments (EIAs) conducted by the BLM, potential mitigation strategies, guided by the National Environmental Policy Act (NEPA).

KEY ADVANTAGES

- Nevada is a politically safe, mining friendly jurisdiction
- Management believes this will be direct ship, pit-run, micronized, organic raw rock phosphate (P_2O_5)
- The proposed **Q2 Drilling Program** is designed to confirm phosphate grades and continuity required for a resource estimate
- Environmental and archaeological studies have now been completed and NOP awaits **Q1 Exploration Permit**
- Situated immediately next to power and bush road to highway – 6 km to rail with a rail siding
- Unique direct ship Francolite**, the best kind of raw P (**Francolite is a carbonate rich variety of the mineral fluorapatite)
- Strong exploration and development management team
- Experienced consultants in distribution of organic fertilizers – formerly CEO and President of a quarry operation of a raw rock product used to re-mineralize soils

CAPITALIZATION

Unaudited as at January 16, 2024

Total issued and outstanding common shares	43,317,705
Total options outstanding	4,325,000
Total warrants outstanding	35,297,705
Total issued and outstanding – Fully Diluted	82,940,410

In respect of the Murdock Property, since Spring 2022, NOP has incurred approximately \$255,000 in the preparation of various preliminary filings and studies required for the Murdock Property. These include an exploration programme filing with the BLM, and the commencement of the required cultural and environmental (“EA”) baseline studies by Westland Engineering and Environmental Services Inc. (“Westland”) Westland expects to complete the environmental baseline and cultural studies by April 5th, 2024. Then the EA studies will be posted on the BLM website for 30 days for public comment. Once the comment period is complete, the BLM will issue to NOP a Prospecting Permit, which will allow NOP to start drilling.

THE ADVANTAGES OF MURDOCK MOUNTAIN

Not all phosphate rocks are created equal.

At MURDOCK MOUNTAIN IT'S CLEAN

- Higher surface area and reactivity – insignificant impurities
- Only 5% of world's application of P_2O_5 is pure enough to be applied as direct application, raw rock phosphate
- No processing required to remove impurities or upgrade rock quality
- Limestone hanging/footwalls are calcite-rich
- P occurs as “francolite”, the most reactive crystallite structure of all P_2O_5 minerals

PURITY!



PROVEN CLEAN



Element (ppm)	Max Value (ppm)	Lower Limit	Mean (n=27) (ppm)
Arsenic (As)	30	<10	<10
Cadmium (Cd)	<5	<5	<5
Cobalt (Co)	<5	<5	<5
Mercury (Hg)	5	<5	<5
Molybdenum (Mo)	<5	<5	<5
Nickel (Ni)	55	<5	14.7
Lead (Pb)	20	<10	<10
Zinc (Zn)	170	<10	64.6

Table: Johansing (43-101) states "Inspection of Table 7 (2012 data) and Table 5 (June, 2018 samples) reveals that minor and trace elements values for the limited Murdock Mountain samples are an order-of-magnitude lower than thresholds established by the AAPFCO."


PROVEN CLEAN (CONTINUED)



Element (ppm)	Max Value (ppm)	Lower Limit	Mean (n=27) (ppm)
Chromium (Cr)	356	ND	125.6
Vanadium, (V)	85	<5	24.3
Selenium (Se)	0.30%	<0.05	<0.05
Mercury (Hg)	5	<5	<5
Copper (Cu)	<5	<5	<5
Uranium (U)	0.005%	—	—
Thorium (Th)	0.010%	—	—

*Not specified by OMRI for certification and well below detection limits. ND – not detected

PEER COMPARISON

COMPANY	SYMBOL	SHARES O/S MIL	MARKET PRICE 09/03/24	MARKET CAP MIL	PRODUCT	EST TIME TO PRODUCTION	EST CAPEX
FIRST PHOSPHATE	PHOS	48	\$0.23	\$11	PHOS ACID	EST 2030?	\$1.5 BIL
ARRIANNE	DAN	190	\$0.28	\$53	PHOS ACID	EST 2030?	\$1.5 BIL+
FOX RIVER	FOX	52	\$0.23	\$12	P MAP	CURRENT	
CHATHAM	NZP	85	\$0.08	\$7	P	CURRENT	
VERDE	NPK	52	\$1.23	\$64	K.P	CURRENT	
ITAFOS	IFOS	186	\$1.23	\$228	MAP/DAP	CURRENT	
 NEVADA	NOP	43	\$0.04	\$1.72	ORG.P	EST 2024	

*As of market close March 8, 2024.

PHOSPHATE HISTORIC PRICING

Rock Phosphate Monthly Price - US Dollars per Metric Ton

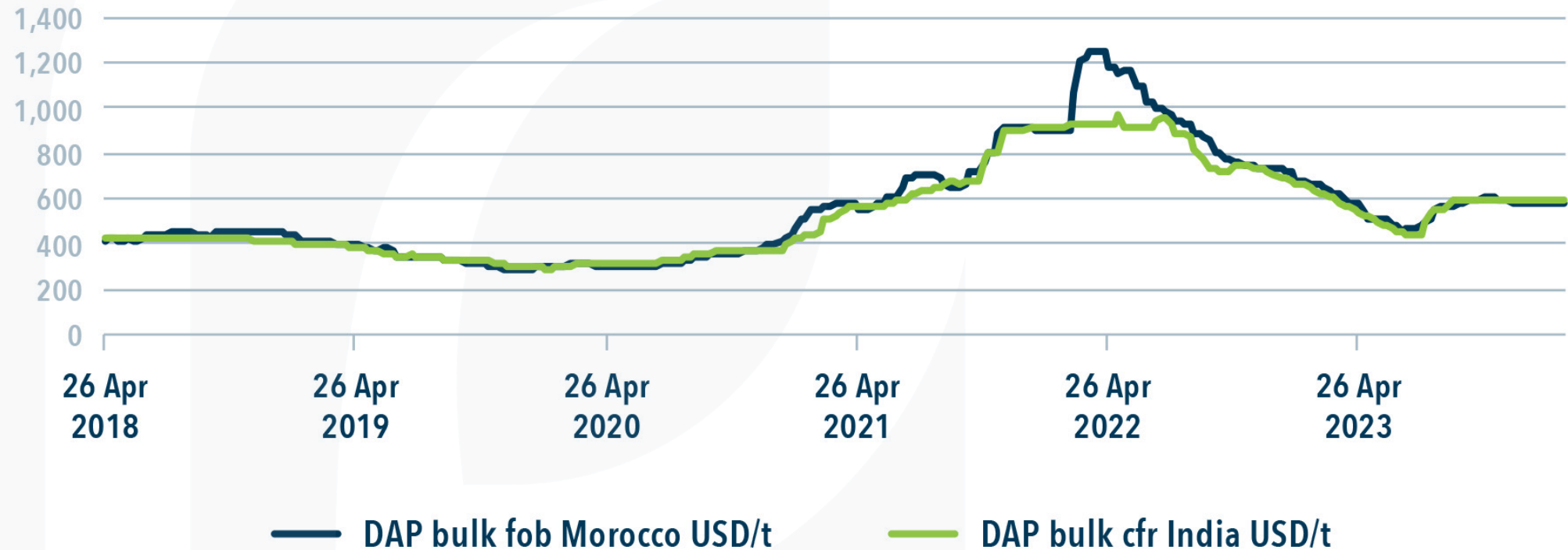
Range

Mar 2014 - Feb 2024: 45.900 (43.06%)



www.indexmundi.com

PHOSPHATE HISTORIC PRICING



Fertilizer Focus, Argus Media – Volume 41, Issue 2, March/April 2024

MURDOCK MOUNTAIN PHOSPHATE NE ELKO COUNTY, NEVADA USA

- Historic geologic mapping has traced the phosphate-rich bed over a strike length of 8km, with a potential average thickness of 3.35 metres at up to 15% P₂O₅
- 6 km from Southern Pacific railway, Hwy SR 30, and the hamlet of Montello
- Direct application phosphate – no significant uranium, thorium, or heavy metals (as are contained within 95% of the worlds P deposits)
- Very rare phosphate hosted by oolitic limestones
- Because of the small grain size of these oolitic sands, there is a lot of surface area to react with micro-organisms in the soils

Qualified Person / Quality Control and Quality Assurance Robert Johansing, M.Sc. Econ. Geol., P. Geo., is a qualified person ("QP") as defined by NI 43-101 and has reviewed and approved the technical content of this document.



THE ELEMENT PLANTS CAN'T LIVE WITHOUT

- Stimulates early growth and root formation
- Necessary for cell division and DNA and RNA formation
- Improves the ability of plants to absorb water and other nutrients
- Stimulates flower blooms and seed development
- Improves plant strength and the ability to tolerate unfavorable environmental conditions
- Aids in photosynthesis and food formation

PHOSPHORUS
IS A
**MACRO
NUTRIENT**



ORGANIC VS COMMON CHEMICAL P

- Organic rock fertilizers are slow release, matching plant adsorption rates
- Plants only utilize about 10% of applied acidulated P in a growing season
- NOP raw phosphate works by matching the life cycle of plant growth
- Use of natural rock reduces soil toxicity – finely ground, it is spread on the soil surface
- Current chemical P usage is only 10-20% per annual application, thus the excess chemical P creates real problems of ground water and surface run-off contamination

Sediment-hosted
Phosphate



DIRECTORS

Robin Dow HBA, MBA, FCSI BC, Canada **CEO & Director**

Mr. Dow has an honours BA in Business and an MBA, both from Western, where he also taught Business, and is a Fellow of the Canadian Securities Institute.

In 1976, he joined Burns Fry in Calgary as a retail and institutional broker, as well as doing research. After 12 years he left brokerage, and created Dow Group Inc. – where he has since built an extensive and successful record as a public venture capital entrepreneur.

For over 35 years, Mr. Dow has been responsible for creating over 30 private and public Companies in mining, energy, cannabis/psilocybin, and technology. The resource operations cover four continents, ten countries, four US States, four Canadian Provinces and three Canadian Territories. Mr. Dow has raised close to \$200 million for these companies.

Eric Szustak, CA ON, Canada **Director**

Mr. Eric Szustak is a Chartered Public Accountant, CA with over 38 years of financial service, business development, marketing, accounting, and CFO experience. Mr. Szustak has worked at both small and large Accounting firms advising mid-sized Businesses. His background includes 14 years with three national brokerage firms Midland Walwyn, Merrill Lynch and BMO Nesbitt Burns in various positions, including private client wealth group, management & securities compliance.

Mr. Szustak holds a B.A. Honors Chartered Accountant Studies and Economics from the University of Waterloo and received his Chartered Accountant designation in 1985. Mr. Szustak is the former President and now Chairman of Board of Quinsam Capital Corporation. Quinsam is a Public merchant bank based in Canada. The merchant banking business encompasses a range of activities including acquisitions, advisory services, lending activities and portfolio investments. His experience in the Public Markets includes being a Director of various Public Companies.

NOP'S TECHNICAL TEAM

Garry K. Smith, P.Geo ON, Canada Director

Mr. Smith has provided exploration management and services to mining companies for over 30 years, and has served as President, VP Exploration, Director, and Consultant to numerous boards. Notable milestones were participating in the discovery of the Hemlo world class gold mine, and co-founding the second junior to list on the TSE. Garry is a registered Professional Geoscientist of Ontario (PGO) and provides Qualified Person consulting on project acquisition, 43-101 technical reporting, resource estimation, general exploration contracting and reporting, computer-based 3D geological modelling and data compilation, and metal ion soil geochemistry.

Paul W. Pitman, B.Sc Geology P.Geo ON, Canada Director

Mr. Pitman is a field hardened veteran with extensive experience in all areas of geological exploration for a number of metals and materials. He has over 55 years' experience as an exploration geologist. Since 1983 he acted as a geological consultant to over 70 clients; providing a full range of services (geological, corporate, and administrative); including being a former Director, Officer (VP or President) of several junior resource companies. Paul is semi-retired but directs his geological expertise as an advisor to several fertilizer companies.

Marco Montecinos NV, USA Project Manager, Murdock Mountain

Marco Montecinos has over 38 years of experience in mineral exploration and business development projects in the Americas—and currently works as Business Development Consultant with several junior exploration companies in the western US. Marco was instrumental in the discovery of the Marlin Deposit in Guatemala and other gold deposits in Nevada, Mexico, and Central America. He is President of Tigren, Inc., a Nevada based Exploration Services Company, which has provided technical services to the mining industry for 28 years.

OFFICERS

Keith Li, CPA, CA ON, Canada CFO

Mr. Li is an experienced Chartered Professional Accountant (CPA, CA) with over 15 years of corporate accounting and finance experience. He specializes in financial reporting advisory, and also provides services in accounting and regulatory compliance, and strategic business consulting to both public and private companies from a wide number of industries including junior mining, merchant banking, health and wellness, and cannabis.

Mr. Li began his career in the public accounting sector as an auditor and had also held a senior-level position at Sears Canada. Mr. Li is currently the Chief Financial Officer and a partner of Branson Corporate Services Ltd., a boutique accounting and corporate secretarial services firm through which he serves as the CFO of several reporting issuers listed on the TSXV, the CSE and on the Nasdaq Composite Index. He also holds a Bachelor of Commerce degree from McGill University.

Andrew Brown BC, Canada Corporate Secretary

Mr. Brown serves as the President of Ardent Corporate Services Inc., bringing extensive experience in Corporate Governance, Corporate Secretarial, Corporate Finance, and Business Development. Having held roles as an officer and director for companies listed on both the TSX Venture and Canadian Securities Exchange, he possesses valuable insights into navigating complex regulatory environments.

FORWARD LOOKING STATEMENTS

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This presentation contains information with respect to adjacent or similar mineral properties in respect of which the Company has no interest or rights to explore or mine. The Company advises US investors that the US Securities and Exchange Commission's mining guidelines strictly prohibit information of this type in documents filed with the SEC. Readers are cautioned that the Company has no interest in or right to acquire any interest in any such properties, and that mineral deposits on adjacent or similar properties are not indicative of mineral deposits on the Company's properties.

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Robin Dow CEO

604 355 9986

robin@dowgroup.ca

Jack Weatherell

Manager, Communications

778 926 4317

info@nevadaphosphate.com

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