

**ORGANIC  
DIRECT  
APPLICATION  
RAW ROCK  
PHOSPHATE**

**MURDOCK  
MOUNTAIN  
LOCATION**

**January 2024**

**NEVADA**



**ORGANIC PHOSPHATE**

**CSE NOP**



MURDOCK MOUNTAIN

# NORTH EAST ELKO COUNTY

NEVADA USA

6 KM FROM SOUTHERN PACIFIC RAILWAY,  
HWY SR 30, AND THE HAMLET OF MONTELLO



# MURDOCK MOUNTAIN GOOGLE EARTH



LEACH MOUNTAINS PROJECT AREA

MURDOCK MOUNTAIN

MONTELLO

Google Earth

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NOAA, U.S. Navy, NOAA, GEBCO  
U-Columbia, NSF, NOAA

NEVADA ORGANIC PHOSPHATE

4 km

# MURDOCK MOUNTAIN GOOGLE EARTH

LEACH MOUNTAINS PROJECT AREA

MURDOCK MOUNTAIN

MONTELLO

## 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!



# HAMLET OF MONTELLO



## GRAVEL ACCESS ROAD TO OUTCROPS



## OUTCROPPING OF OÖLITIC P BEARING CARBONATE ROCK





## CARBONATE HANGING WALL/FOOTWALL OUTCROP



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**NEVADA**  **ORGANIC PHOSPHATE**

**CSE NOP**

