

# Ukraine's Minerals

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## Ukraine's Minerals: Strategic Goldmine or Diplomatic Dispute?

### Context

Ukraine's **vast mineral wealth** has made it a key player in the global economy, particularly in sectors such as **defense, clean energy, and electronics**. Given the rising importance of **rare earth elements (REEs) and critical minerals**, Ukraine's resources have drawn significant attention from **major global powers**, including the **United States, China, and the European Union (EU)**.

Former U.S. President **Donald Trump** has now accused **Ukraine of failing to honor an informal deal** that allegedly **granted the U.S. access to 50% of Ukraine's mineral resources** in exchange for **military and economic assistance against Russia**. According to Trump:

- **Ukraine owes the U.S. approximately \$500 billion** worth of resources, including **minerals, fuel, and infrastructure**.
- This demand is far higher than the **\$69.2 billion in U.S. military aid provided since 2014**.
- U.S. officials argue that **economic stakes in Ukraine** (such as mining rights) would serve as a **security guarantee**, ensuring continued U.S. involvement.

However, Ukraine has not confirmed such an agreement, and several **legal, geopolitical, and economic challenges** make such a deal difficult to implement.

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### Importance of Ukraine's Mineral Resources

#### 1. Strategic Significance of Ukrainian Minerals

Ukraine is **rich in minerals essential for modern industries**, including:

- **Defense & Military**: Used in **advanced weaponry, aerospace technology, and military hardware**.
- **Clean Energy & EVs**: Crucial for **electric vehicles (EVs), batteries, solar panels, and wind turbines**.
- **Electronics & Semiconductors**: Required for **processors, chips, and telecommunications**.

These minerals are **rare, difficult to extract, and highly valuable**, making Ukraine a **key global supplier**.

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## 2. Geopolitical Importance

- **China's Dominance:** China holds a significant share of the global **rare earth and critical minerals market**.
  - **US Strategy:** The U.S. seeks to **diversify its supply chain** and **reduce dependence on China**.
  - **Comparison with Greenland:** Trump's **2019 interest in purchasing Greenland** was also influenced by the **island's rich mineral resources**.
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## Key Classifications of Ukraine's Mineral Resources

### 1. Rare Earth Elements (REEs)

REEs consist of **17 elements**, classified into:

- **Lanthanides (15 elements)** - Atomic numbers **57 to 71**.
  - **Scandium (21) and Yttrium (39)** - Found alongside lanthanides.
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### 2. Critical Minerals

- **Defined based on economic and security needs.**
  - **In 2023, India identified 30 critical minerals**, reflecting global efforts to secure these resources.
  - **The U.S. prioritizes minerals like titanium, gallium, lithium, and REEs** due to their importance in defense and technology.
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## The Alleged US Proposal on Ukraine's Resources

### 1. Trump's Demand vs. Ukraine's Perspective

- **Trump's Claim:** Ukraine must **transfer \$500 billion worth of resources** to the U.S. as repayment for past aid.
  - **Ukraine's Likely View:** If such a deal exists, Ukraine may see it as a way to **ensure continued U.S. support** rather than a repayment obligation.
  - **Mismatch in Valuation:** The U.S. has provided **\$69.2 billion in military aid since 2014**, making Trump's **\$500 billion claim significantly higher** than the actual support given.
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### 2. US Justification for Economic Stakes in Ukraine

- **Strategic Investment:** U.S. officials argue that **economic stakes in Ukraine's resources** would serve as a **security guarantee**, ensuring American commitment.

- **Zelenskyy's Preference:** Ukrainian President **Volodymyr Zelenskyy** seeks **direct military and economic guarantees** rather than indirect security through U.S. corporate involvement.
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## Challenges in Granting the US 50% of Ukraine's Mineral Resources

### 1. Legal Restrictions

- **Ukraine's Constitution:** States that **all subsoil resources belong to the Ukrainian people**.
  - **No Official Confirmation:** No public records support Trump's claim of a resource-sharing deal.
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### 2. Uncertainty in Resource Data

- **Outdated Geological Surveys:** Many assessments date back to the **Soviet era (pre-1991)** and lack modern verification.
  - **Challenges in Extraction:** The feasibility of large-scale mining operations is uncertain.
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### 3. Existing EU Agreement

- **Ukraine-EU Strategic Partnership (July 2021):** Ukraine already **signed a deal with the EU on raw materials** before Russia's invasion.
  - **Limits on U.S. Deals:** This agreement complicates any new U.S. deal for exclusive access.
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### 4. Russian Control Over Resource-Rich Areas

- **Occupied Territories:** Russia controls around **20% of Ukraine**, including **major mineral deposits**.
  - **Lithium Reserves at Risk:** Russian forces are reportedly **4 miles away from the Shevchenko lithium deposit**, a key resource for battery production.
  - **Impact on U.S. Access:** If Russia holds these areas, **any U.S.-Ukraine deal may be unenforceable**.
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## Conclusion

Ukraine's **mineral resources are of immense strategic value**, influencing global **geopolitical and economic dynamics**. The **United States, China, and the EU** all seek access to these resources for **national security, clean energy, and advanced technology**.

While **Trump's claims remain unverified**, the broader issue highlights the **complex intersection of economics, security, and global power struggles**. Any future deal on Ukraine's resources must **navigate legal constraints, existing agreements, and the ongoing war with**

**Russia.**

The outcome of this debate could **shape Ukraine's post-war economy, Western strategic interests, and the global supply chain of critical minerals** in the years ahead.

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