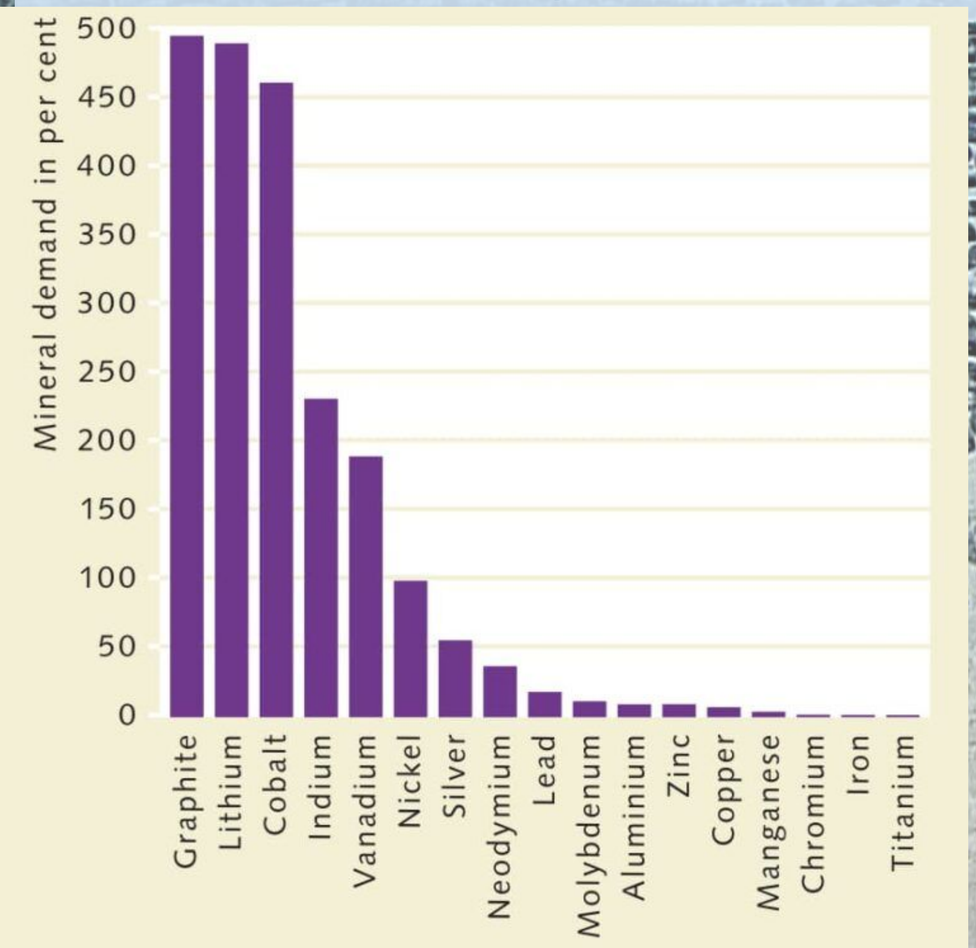
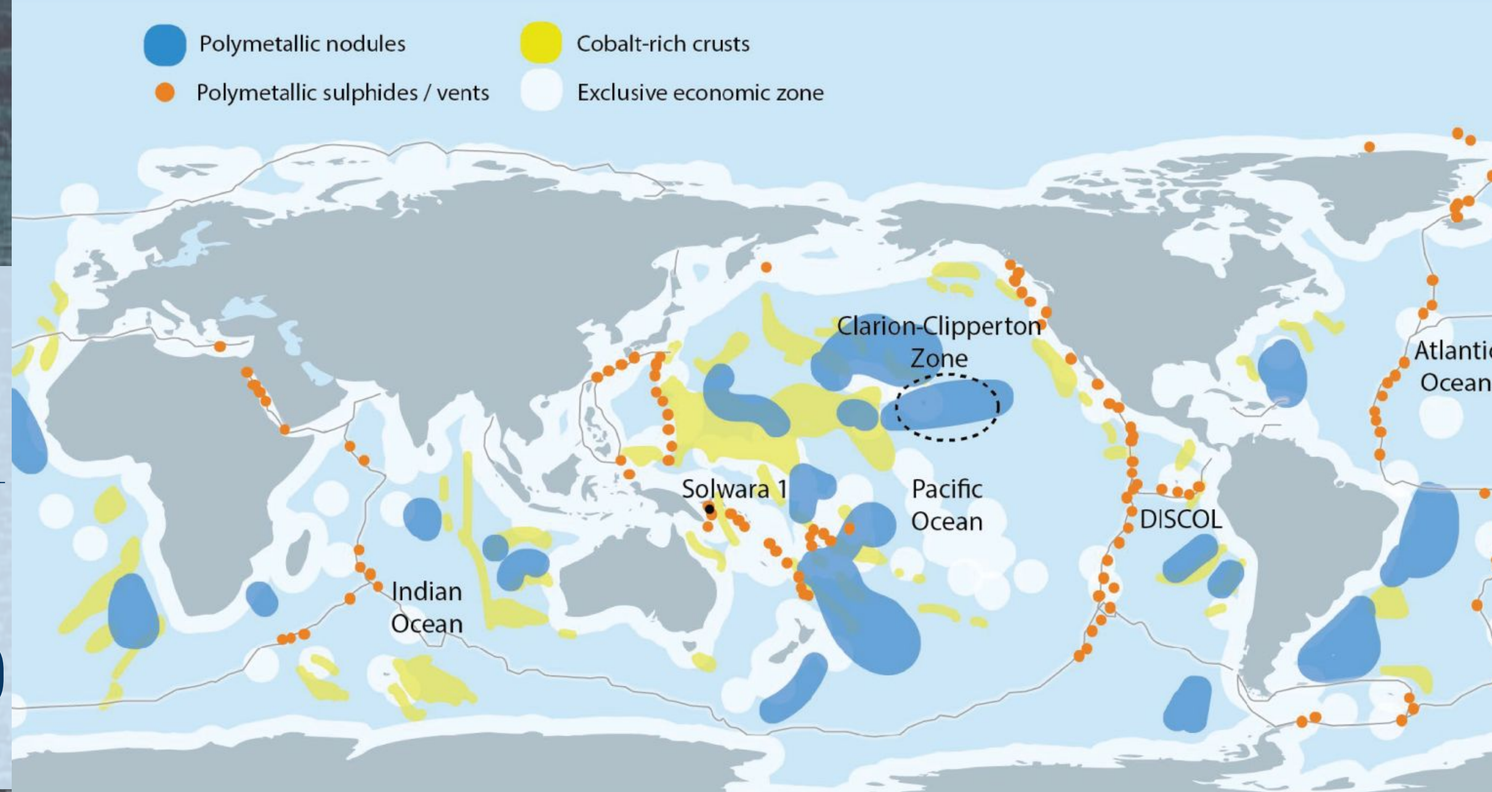
# Deep Sea Mining

GES 100 Fall 2023 Daelin Barney

## What is it?

- The process of mining mineral deposits from deep seafloor
  - Copper, nickel, aluminum, manganese, zinc, lithium, and cobalt
- Caused by desire for metals to increase production of wind turbines, smartphones, solar panels, and batteries
- Usually takes place on abyssal plains (3,500 to 6,500m deep)
- Uses robotic machines to strip-mine the seafloor




https://www.mining-technology.com/features/deep-sea-mining-explained/

https://worldoceanreview.com/en/wor-7/energy-and-resources-from-the-ocean/deep-sea-mining-plans-are-taking-shape/

## Negative Effects?

- Formation of sediment plumes could smother animals, harm filter-feeders, and cause respiratory, auditory, and visual problems
- Pollution from light & fuel leaks could create toxic ecosyster
- Changes in community emigration & mortality, & decreased reproduction
- Could cause harm to fisheries and harm coastal communitie
- May impact ocean's carbon cycle and speed up global warming

Sources:
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https://go.hawaii.edu/yqp,
https://go.hawaii.edu/vqy,
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