

# Nauru Dolomitic Limestone

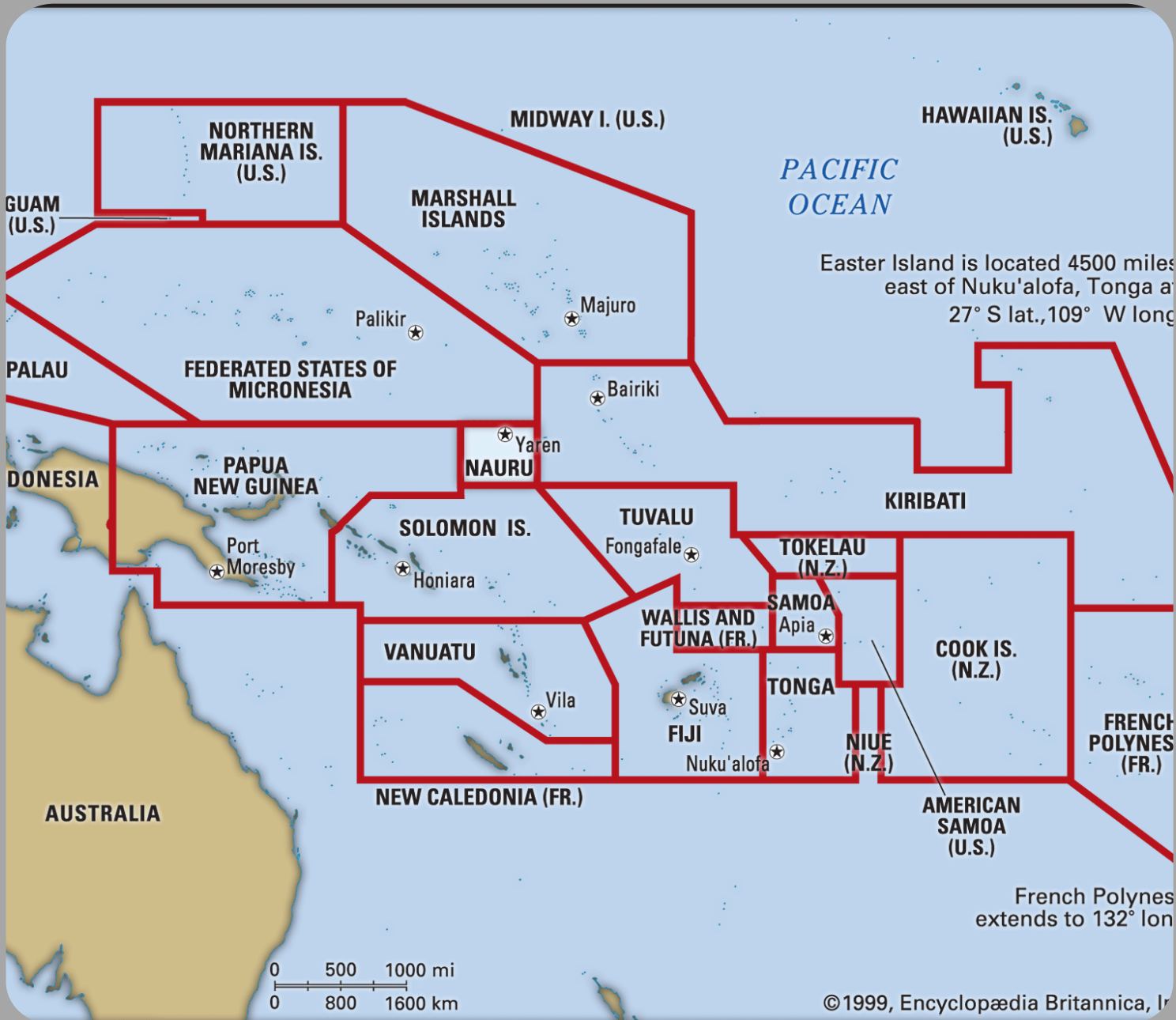


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## History, From Phosphate to Dolomite

- Nauru's phosphate industry is the world's second oldest and at its peak supplied **14% of the global market**
- **Close to 90% of the island has been mined**, leaving the central "Topside" uninhabitable and covered with dolomitic limestone pinnacles rising 4 to 15 metres
- In 2005, Nauru launched the **Nauru Sustainable Development Strategy (NSDS)**, which included plans to reclaim "Topside" by cutting and crushing dolomitic limestone pinnacles and backfilling the land with soil
- In 2020, Nauru introduced the Higher Ground Initiative (HGI), a **100-year plan to relocate the population and infrastructure to "Topside,"** with Phase 1 beginning within the next decade
- Nauru's aggregate industry has since emerged as a by-product of these reclamation and sustainability initiatives, supporting the country's long term future



# Aggregate In a Pacific Context - Rising Demand, Heavy Imports

- Demand for aggregates in the Pacific is rising for seawalls, ports, and coastal protection, driven by major donor investments in climate adaptation, resilience and infrastructure
- Large volumes of aggregates are still imported from outside the region, including as far away as Dubai & The Philippines
- Geographically central in the Pacific, Nauru is well placed to supply future regional projects



## A Proven Resource for Civil Works & Coastal Protection

- Estimated **90 million tonnes** of dolomitic limestone reserves available for long-term supply
- Tested to be **high strength, low absorption, and low salts**, a durable material suited for civil works and coastal protection
- Independent QA test confirms Nauru aggregates align with **Australian and WSAA standards** for bedding, backfill, and hardfill applications
- Already proven in major projects including the ADB funded **Nauru International Port, Nauru Airport Redevelopment, Majuro Airport** and numerous local seawalls



## Aggregate Range & Use Cases

- **5–20 mm (Clean & To Dust):** bedding, concrete mixes, pipe surrounds
- **40 mm Road Base:** roads, hardstand, subbase fill
- **100–300 mm Boulders:** seawalls, revetments, breakwaters, reclamation, and rock bags
- **Armour Rock & Large Boulders 4 to 12mt:** heavy coastal protection, port works, reclamation bunds



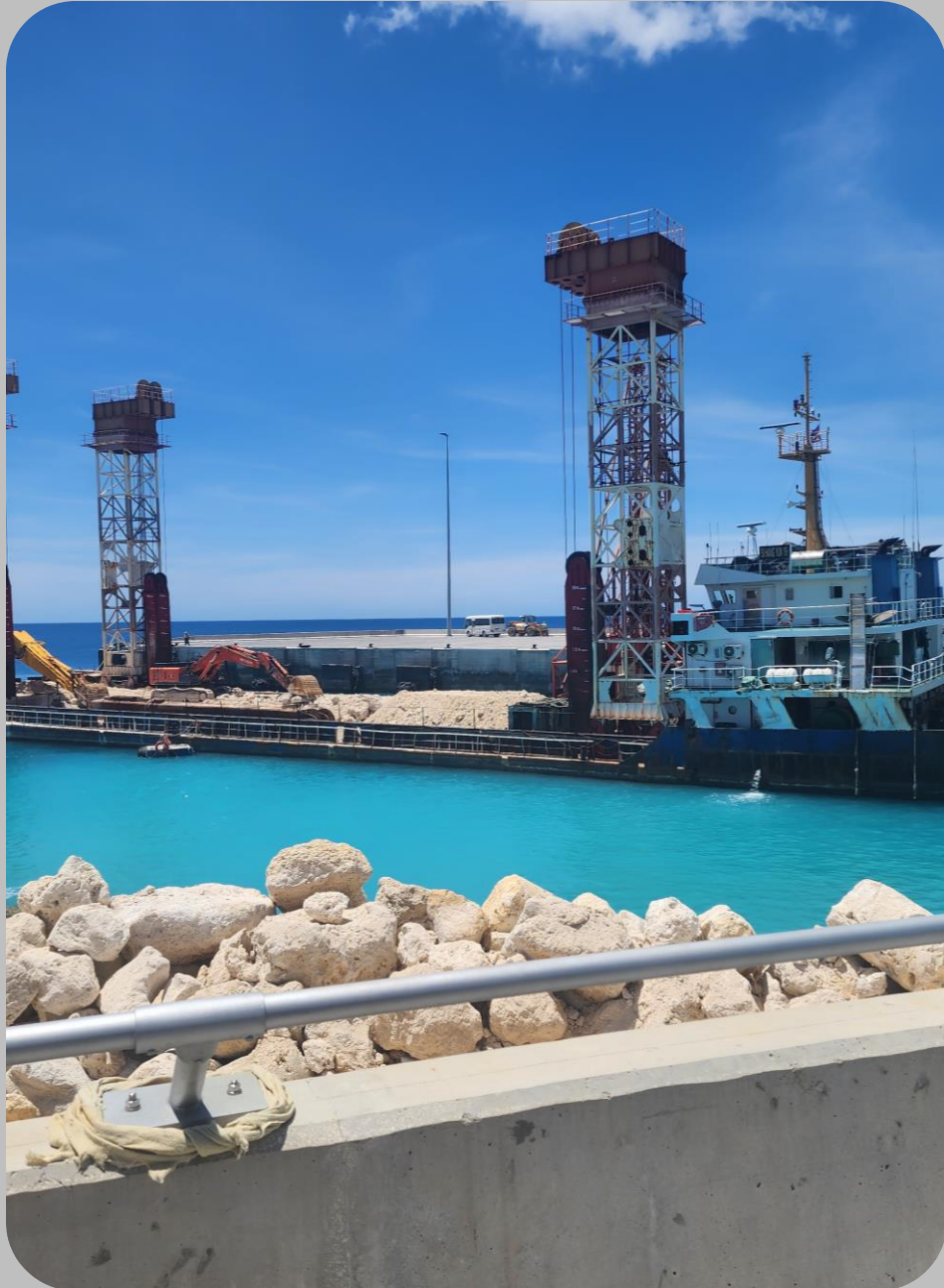
# Nauru International Port

**Armour rock & rock bags  
protecting Nauru  
International Port**



**Stockpiles of 4–12t boulders ready for heavy works**

**Concrete blocks produced with Nauru dolomite**



## Logistics & Delivery Capacity

- **Current operations:** loading via tugboat and barge, proven effective for supplying boulders and aggregates to projects in the region
- **Ongoing upgrades:** adapting our current cantilevers and conveyor belts to handle **direct bulk vessel loading** in future
- **CPS investment:** importing a **mobile conveyor loader** to Nauru to further streamline vessel loading and bulk supply



## Connecting Projects with Aggregate Supply

- **CPS has ongoing partnerships** with SOE run quarries in Nauru, CPS also provides logistics and shipping solutions for loading and delivery
- **Nauru has proven capability** supplying donor funder projects regionally
- **Stockpiles available now** for immediate export to regional projects
- **Private sector channel** avoids export tariffs, ensuring competitive pricing and smoother transactions

# CPS

CENTRAL PACIFIC SOLUTIONS

## THANK YOU

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