

Voyage to Osorezan

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# Mineral & Exploration

Dr. Krassmann



A voyage into a different world in the far northern realm of Honshu / Japan to experience a unique volcano, where geology and theology intermingle.

A journey into the Japanese hell to experience an outstanding and unique gold deposit „in the making“...





Travel route - blue : for Osorezan,  
red : for Tokyo





Map of Osorezan on the Shimokita Peninsula / Northern Honshu

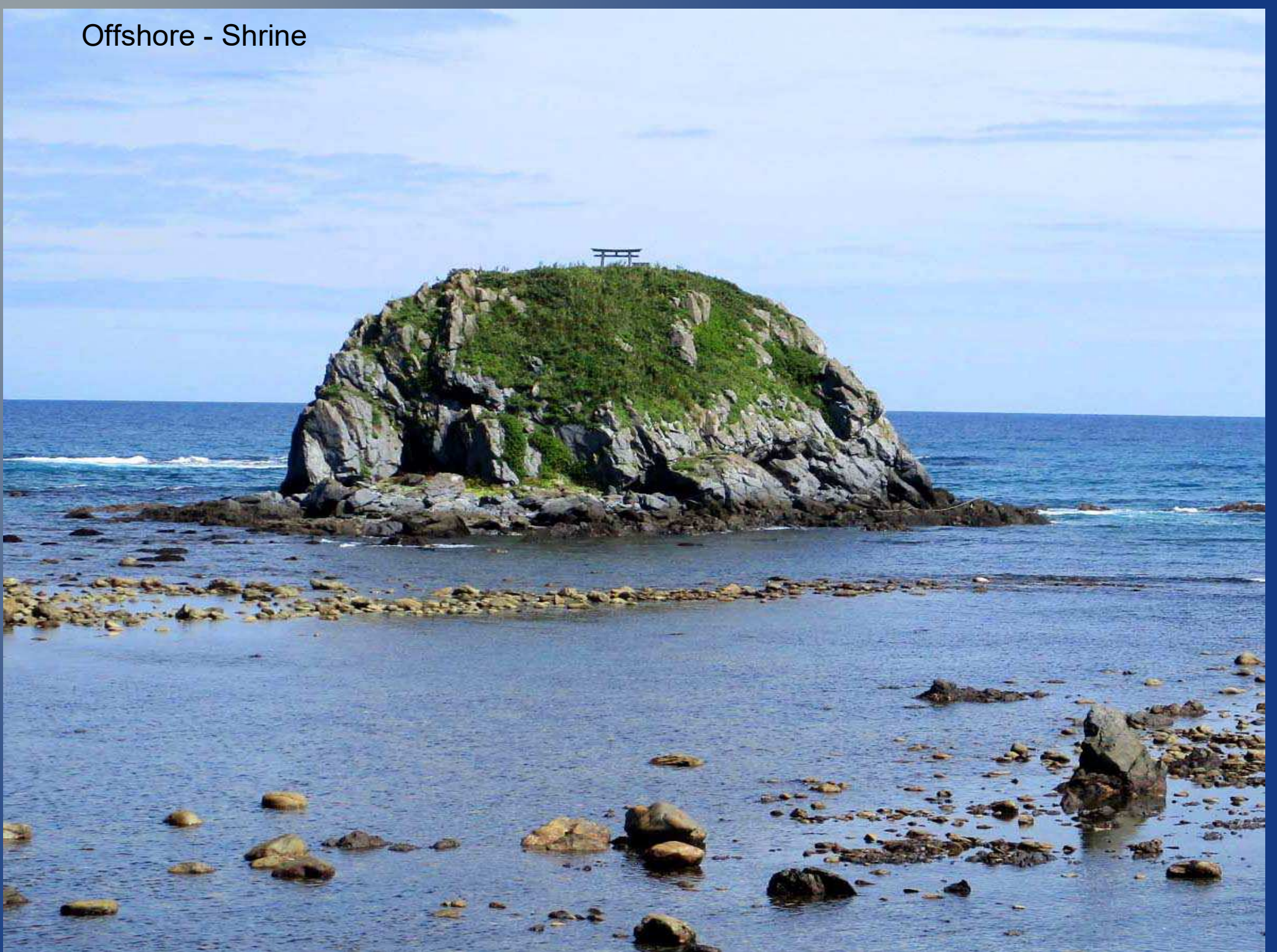


Expedition vehicle  
Nissan Bongo  
Campervan





Offshore - Shrine







Inatoshiiso Rock Arches





Daikannon in Kamaishi





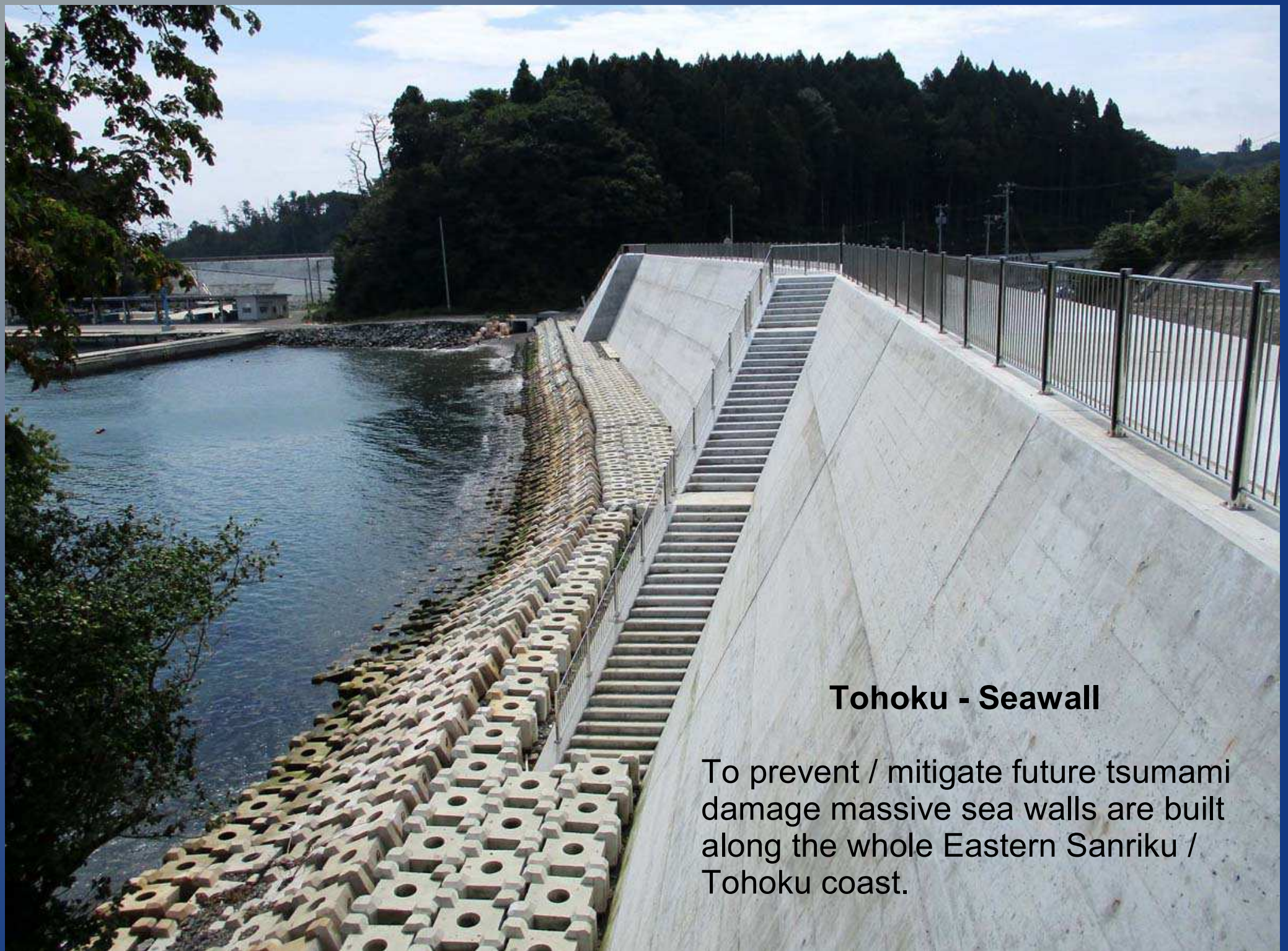
Sanriku – Ghost Forests  
devastated trees created by the  
Great Tsunami 2011



Sanriku – Great Tsunami  
2011







## **Tohoku - Seawall**

To prevent / mitigate future tsumami damage massive sea walls are built along the whole Eastern Sanriku / Tohoku coast.





Fumaroles with emerging „Sulphur Castles“  
Tamagawa Hot Springs



Entering the Osorezan caldera





# Osorezan Buddhist Monastery





Rest Rooms





## Osorezan Hell !



**400.000 japanese pilgrims visit Osorezan every year, mourning and seeking contact to their deceased beloved children.**





**Exhalations of arsenic  
sulfides : yellow orpiment  
and orange realgar**





Colourful shore near the crater lake





Recent formation of orpiment (yellow) and realgar (orange) in beach sands with gold content around 10 grams per ton





Orpiment „Picassos“ at  
Osorezan lake shoreline







„Picassos“ - bright yellow orpiment underwater exhalations  
along the Osorezan lake shoreline



Settling tanks for orpiment – used as natural painting pigment in the nearby monastery







Thank you and Glück Auf