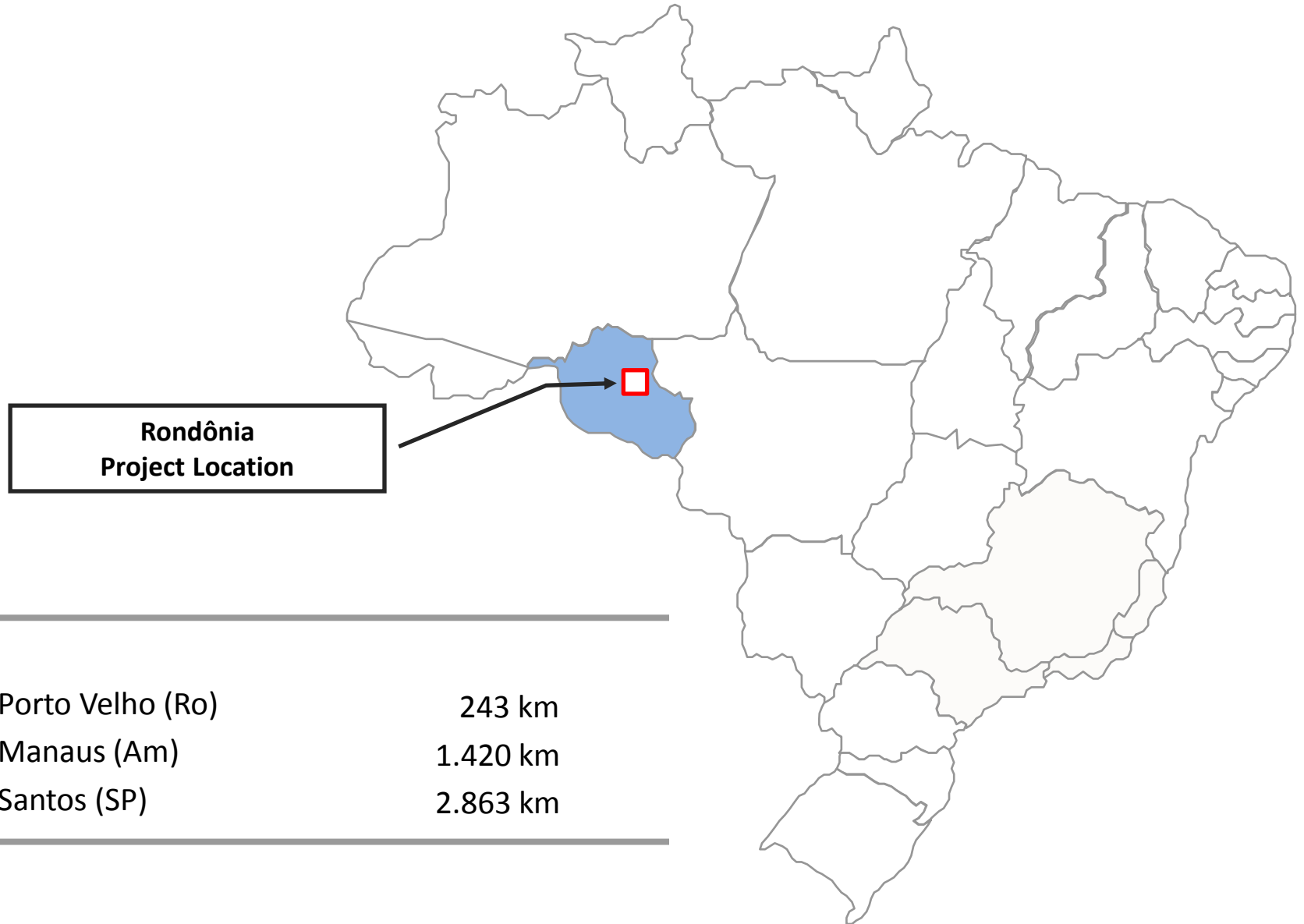


Polimetals (tin, tungsten, tantalum, niobium and gold) and REE Project

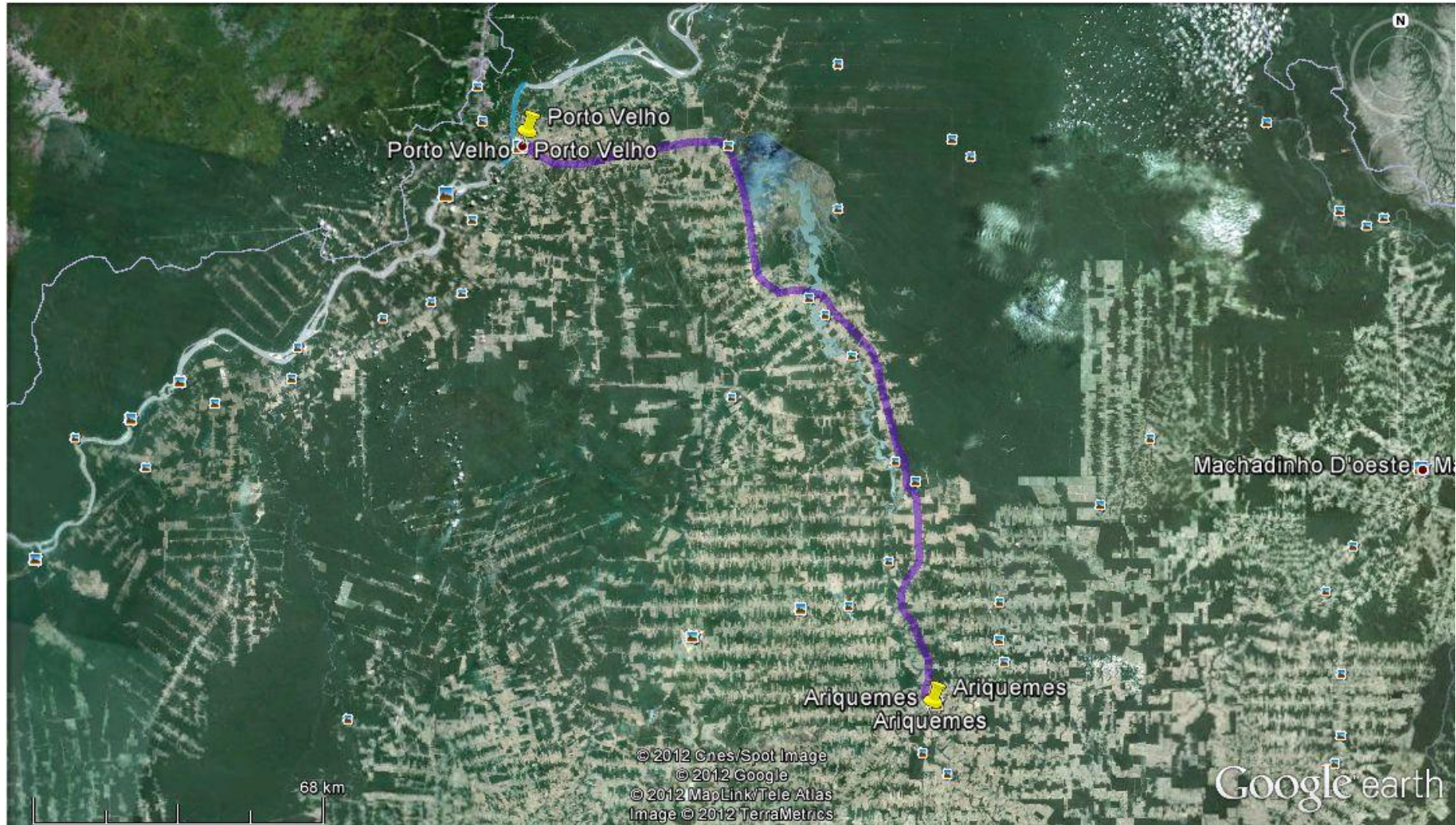
Ariquemes, Rondônia - Brasil



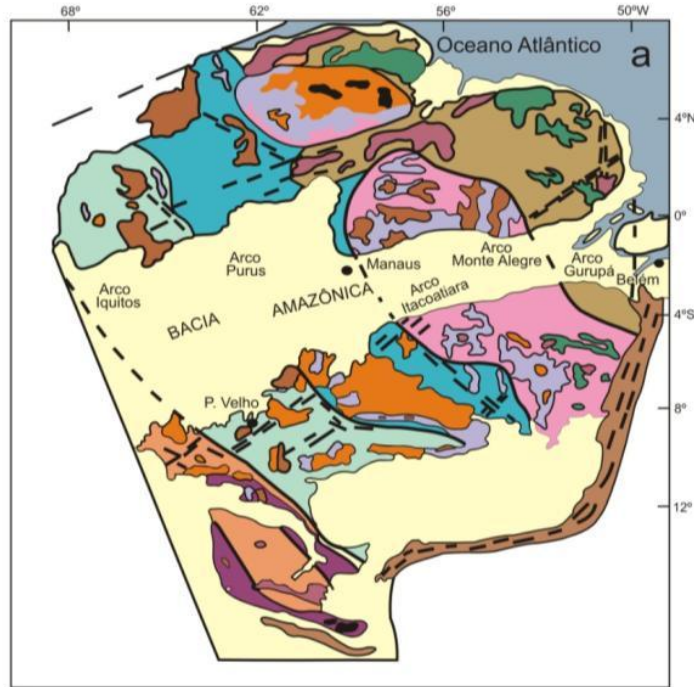
Location



Infrastructure and Federal Highway Access

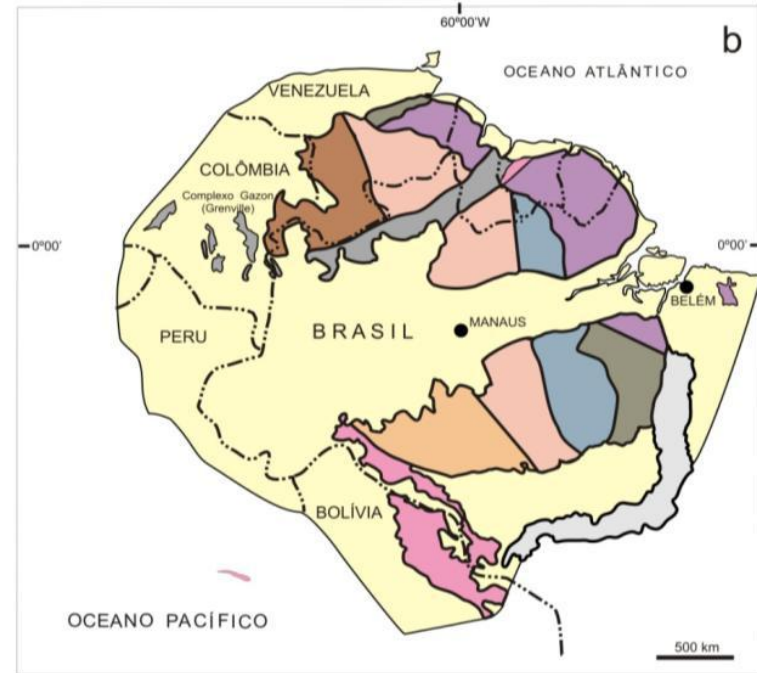


Geology – Geochronological Architecture of the Amazonic Craton



PROVÍNCIAS GEOCRONOLÓGICAS UNIDADES GEOLÓGICAS

- | | |
|---------------------------------------|---|
| Amazônia Central >2,3Ga | Cobertura Sedimentar Fanerozoica |
| Maroni - Itacaiúnas 2,2 - 1,9Ga | Granitóides |
| Ventuari - Tapajós 1,9 - 1,8Ga | Cobertura Sedimentar Pré-Cambriana |
| Rio Negro - Juruena 1,8 - 1,55Ga | Cobertura Vulcânica Ácida-Intermediária |
| Rondoniana - San Ignácio 1,45 - 1,3Ga | Vulcanismo Básico |
| Sunsas 1,25 - 1,0Ga | Greenstone Belts |
| | Complexo Granulítico |
| | Cinturões Móveis Neoproterozóicos |



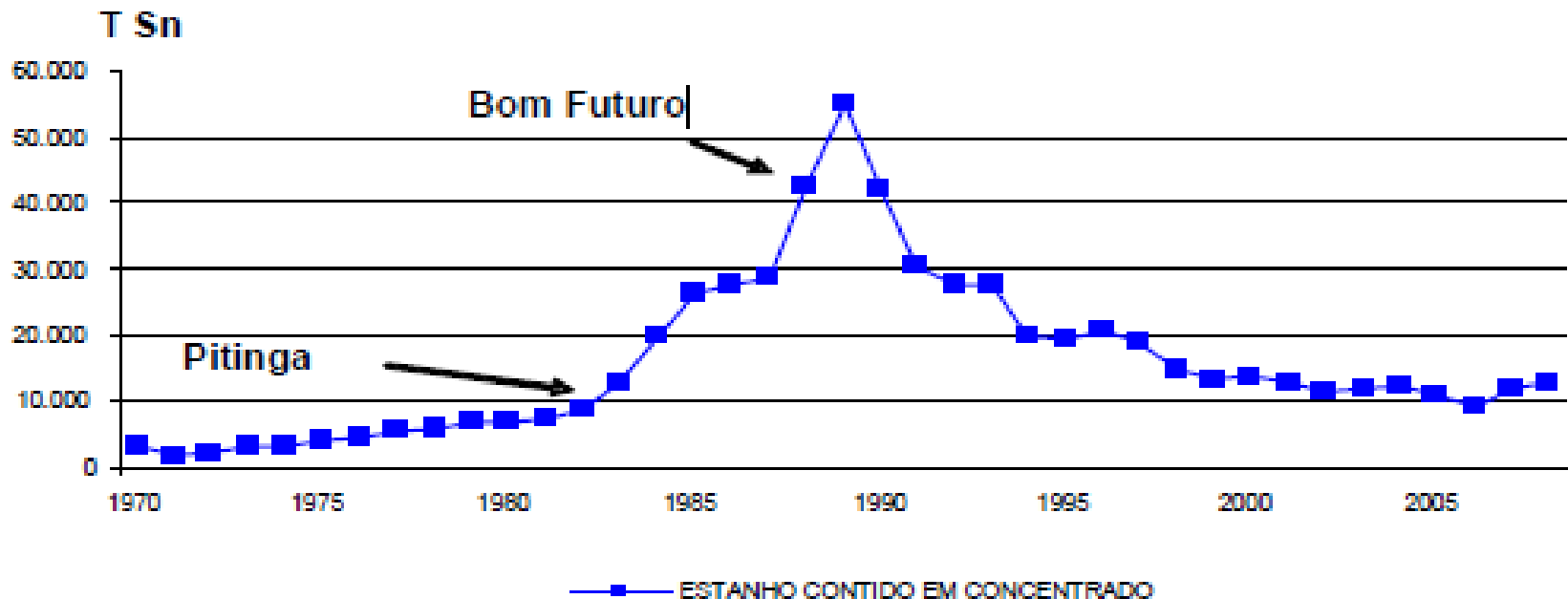
PROVÍNCIA GEOTECTÔNICAS DO CRATON AMAZONAS

- | | |
|---|--|
| Província Sunsas (1,20-0,99 Ga) | Província Transamazônica (2,25-2,00 Ga) |
| Província K'Mudku (1,25-1,10 Ga) | Província Carajás-Imataca (3,10-2,53 Ga) |
| Província Rondônia-Juruena (1,74-1,47 Ga) | |
| Província Rio Negro (1,86-1,52 Ga) | OUTRAS UNIDADES GEOTECTÔNICAS |
| Província Amazônia Central (1,88-1,70 Ga) | Faixa Araguaia |
| Província Tapajós-Parima (2,10-1,87 Ga) | Cobertura Fanerozoica |

CASSITERITE (TIN) Brazilian Production



Gráfico 1 - Produção Brasileira de Cassiterita



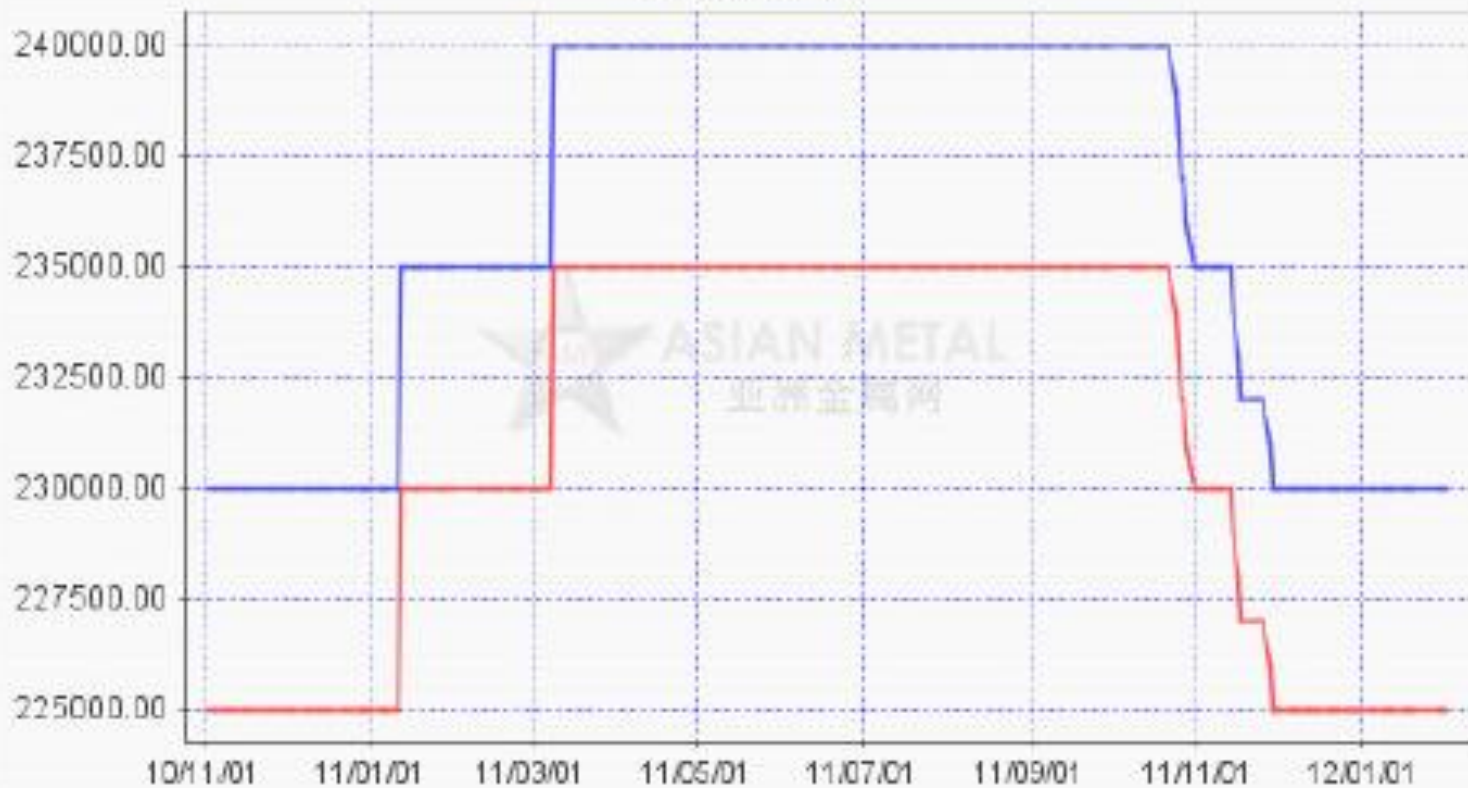
WOLFRAMITE (TUNGSTEN)



COLUMBITE (NIOBIUM)



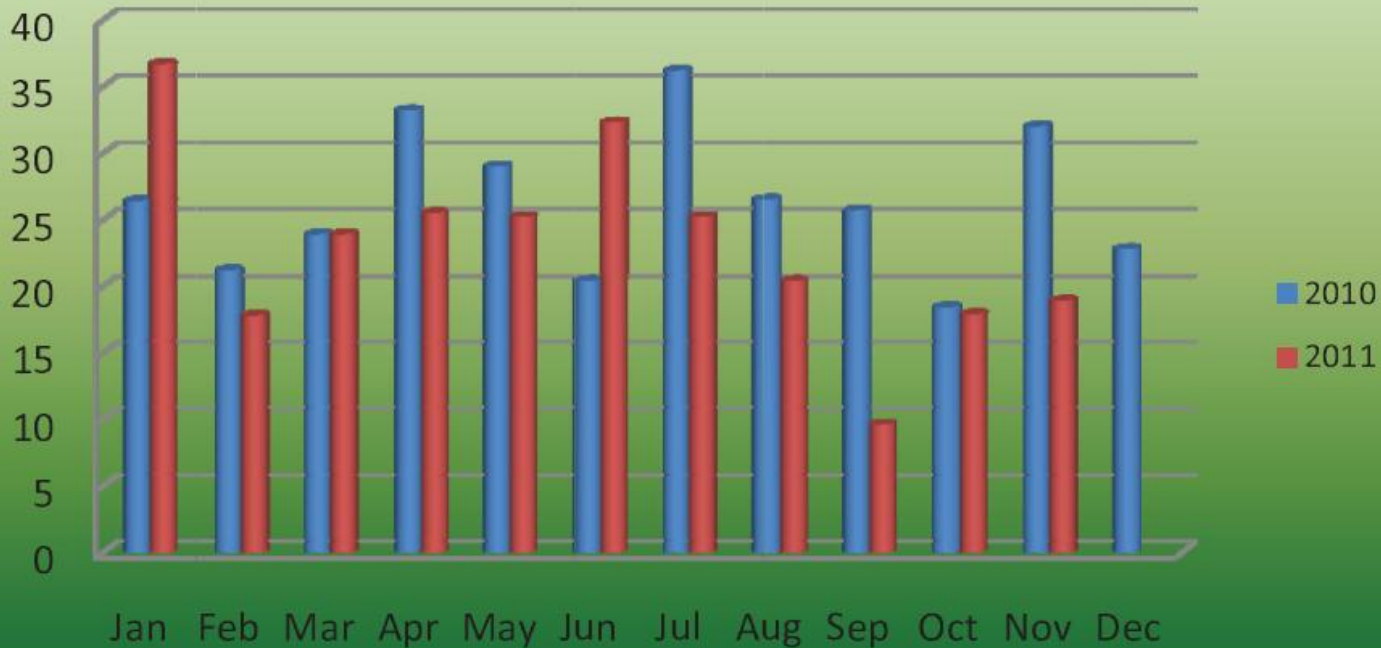
Price Image



TANTALITE (TANTALUM)



Tantalum powder monthly export volume from 2010 to Nov 2011
(unit:t)

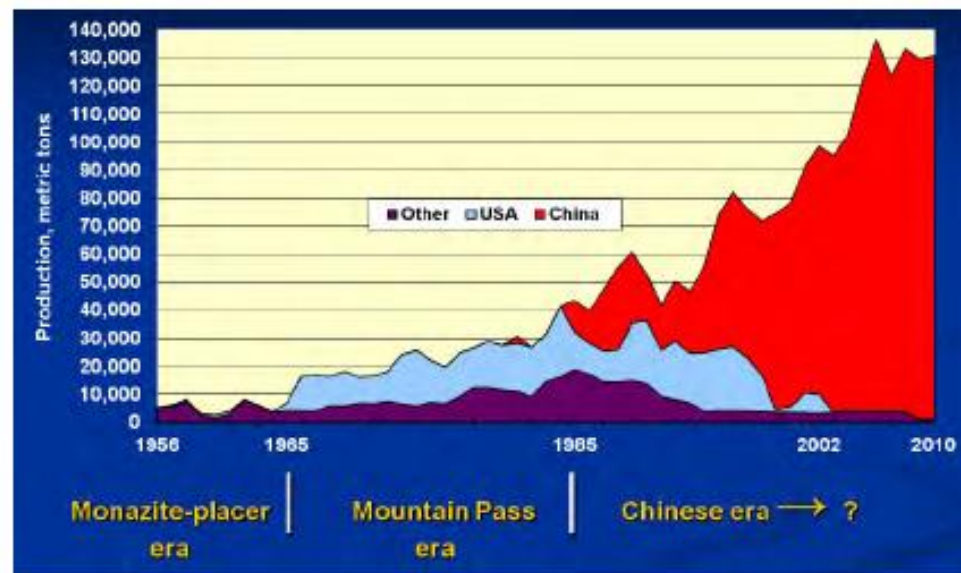


GOLD



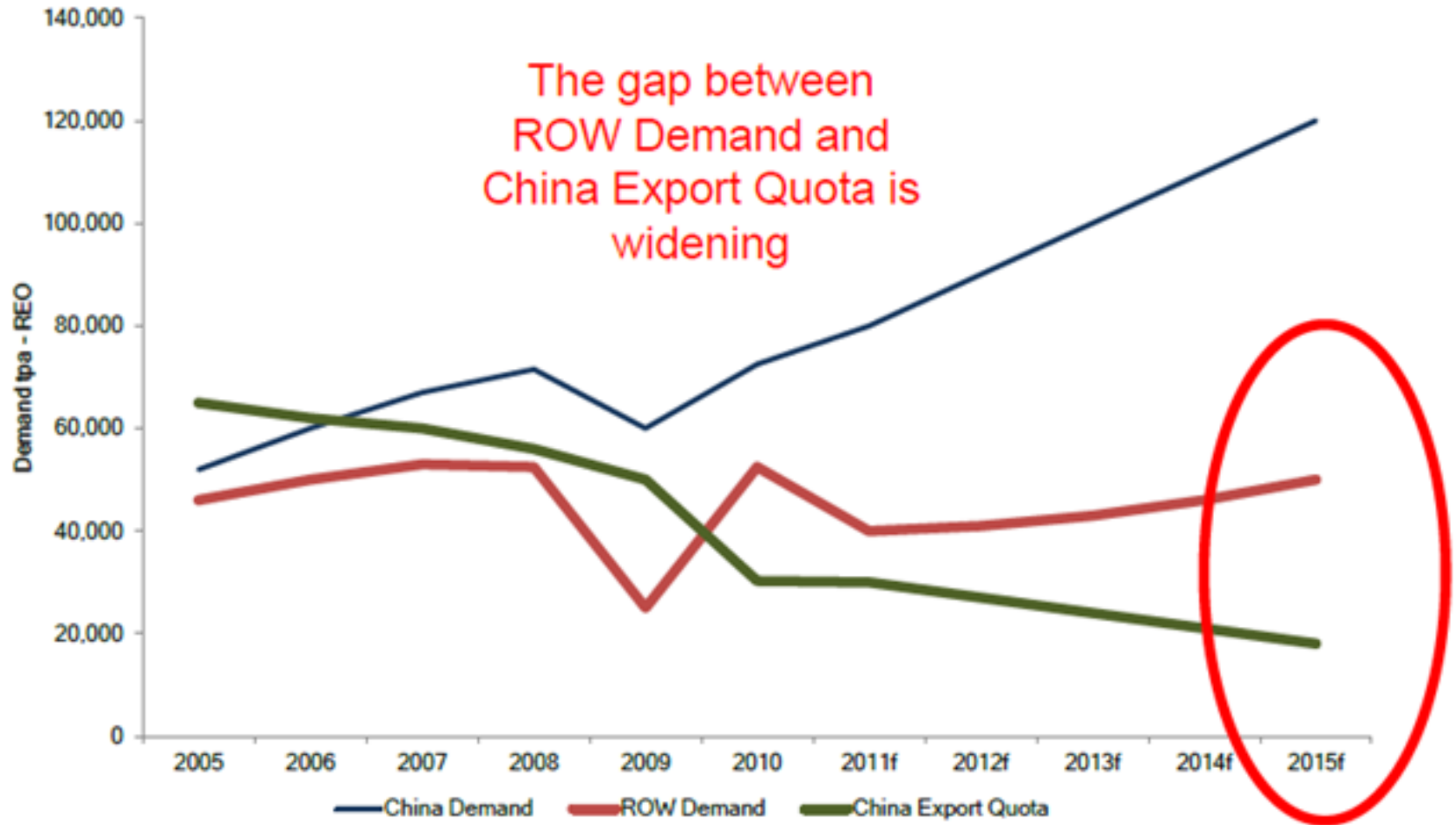
RARE EARTH ELEMENTS Market

- China produces >95% of the world's rare earths
- China will soon consume 60-70% of the world's rare earths
- In the next 5-10 years, China may import heavy rare earths (HREE)
- China has been working to control its REE supply and improve environmental practice
- China is limiting exports of rare earths
- 2012 export quota allocations tied to environmental compliance
- Illegal mining and exports (mainly HREE) are being curbed



Experts believe that 2-3 HREE projects outside China will come into the market in the next 5-6 years and will grow with the market

REE - Market



Preliminary Exploration - Photos - 2011



Preliminary Exploration – Outcrops - 2011

Ba - ppm



Sn - ppm



Preliminary Exploration – Trenches – February 2012

