

A BACIA DO RIO DOCE

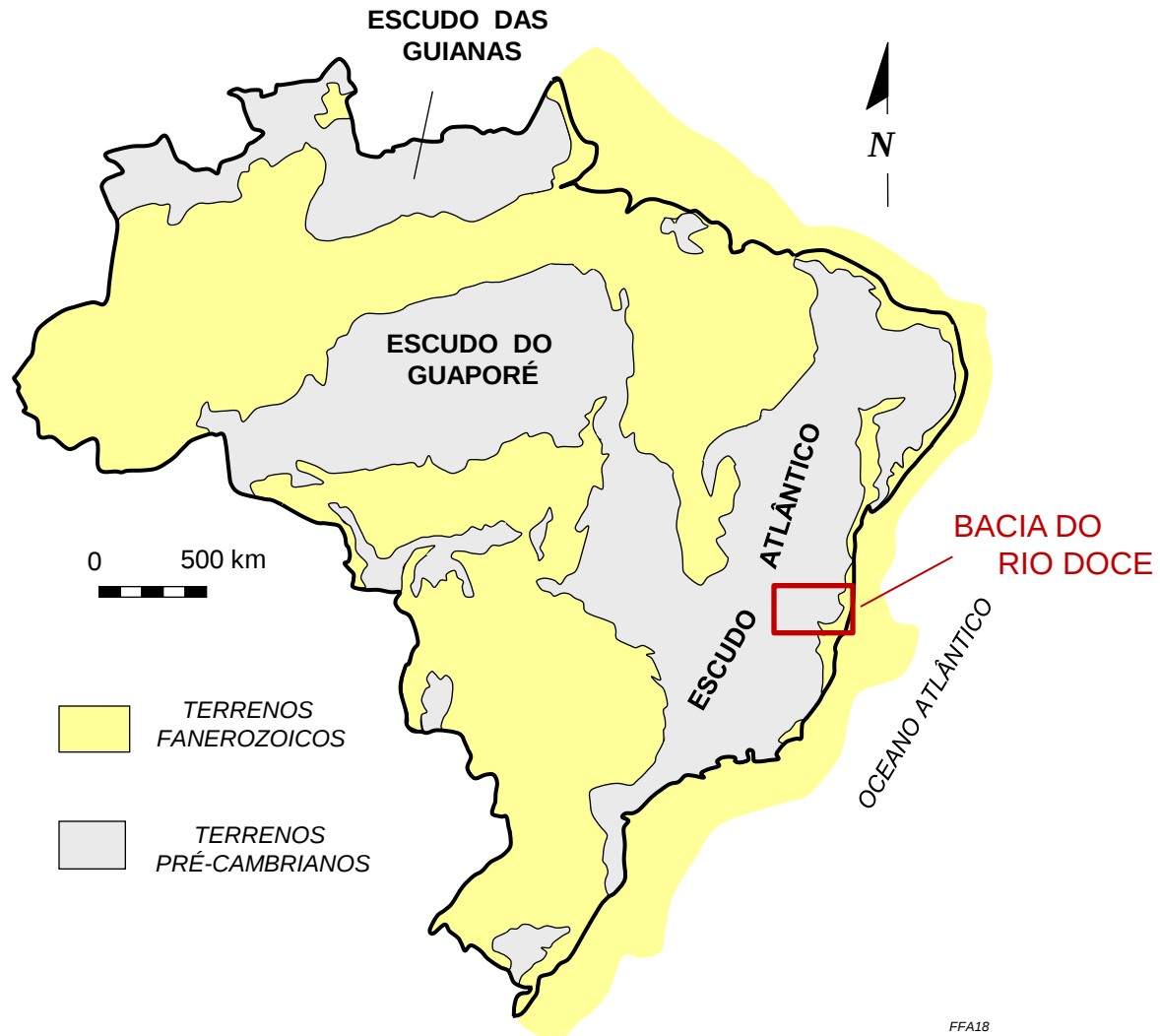
*Aspectos geológicos, geomorfológicos e
geoeconômicos*

F. F. Alkmim

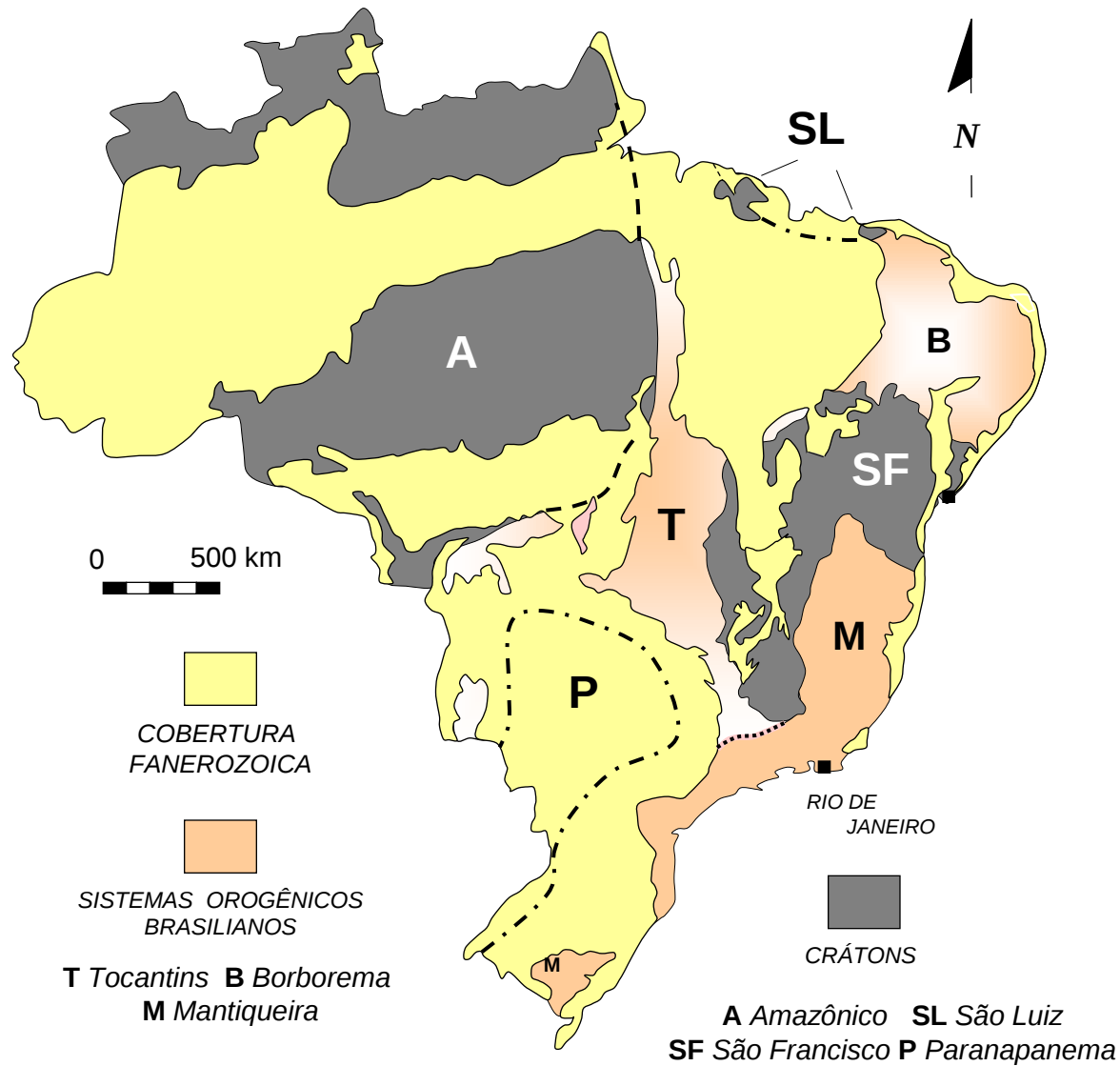


DEPARTAMENTO DE GEOLOGIA
ESCOLA DE MINAS
UNIVERSIDADE FEDERAL DE OURO PRETO

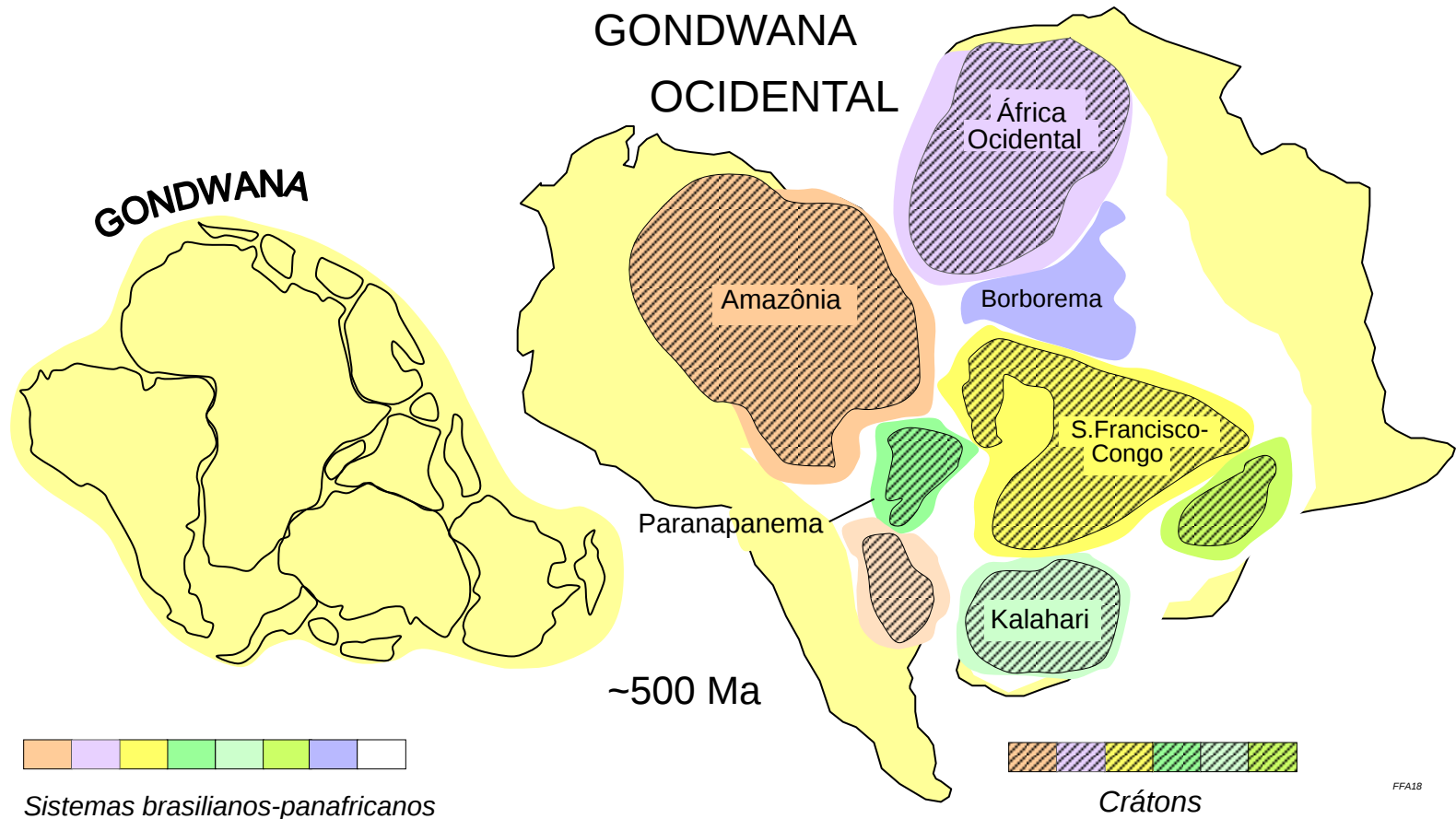
O BRASIL SOB O PONTO VISTA GEOLÓGICO



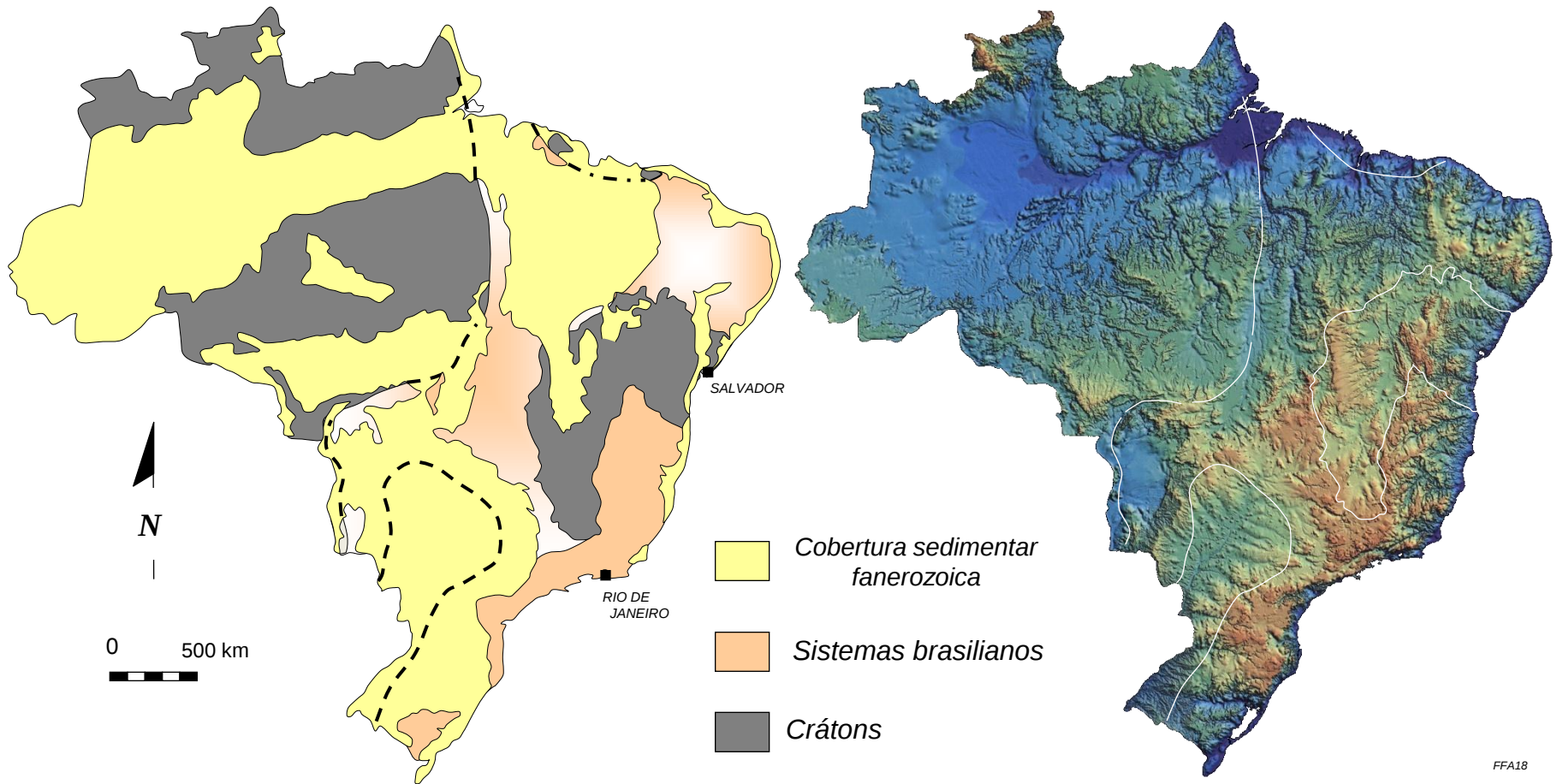
COMPONENTES DOS ESCUDOS CRÁTONS E SISTEMAS OROGÊNICOS BRASILEANOS



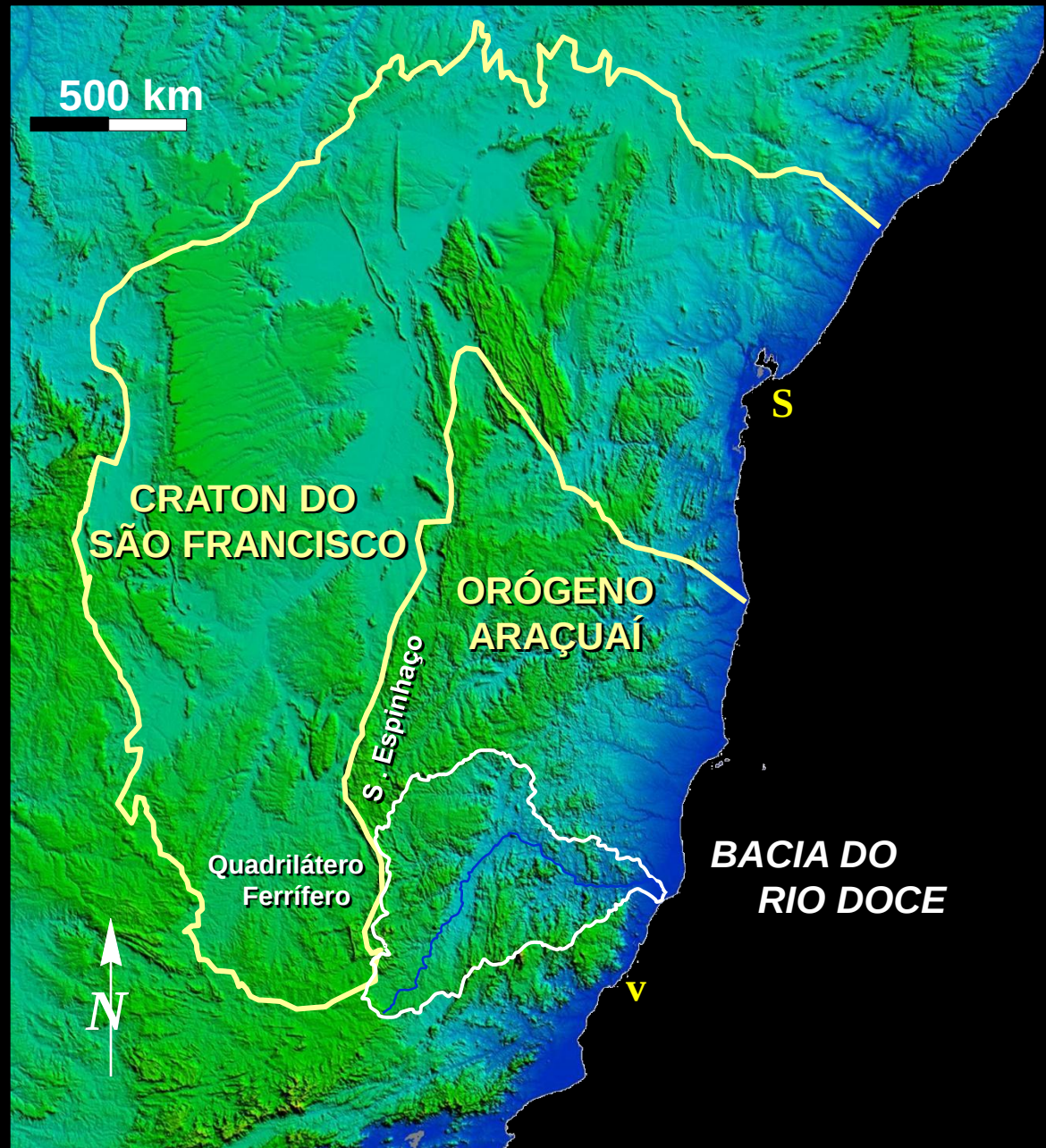
SIGNIFICADO DOS CRÁTONS E SISTEMAS OROGÊNICOS BRASILIANOS



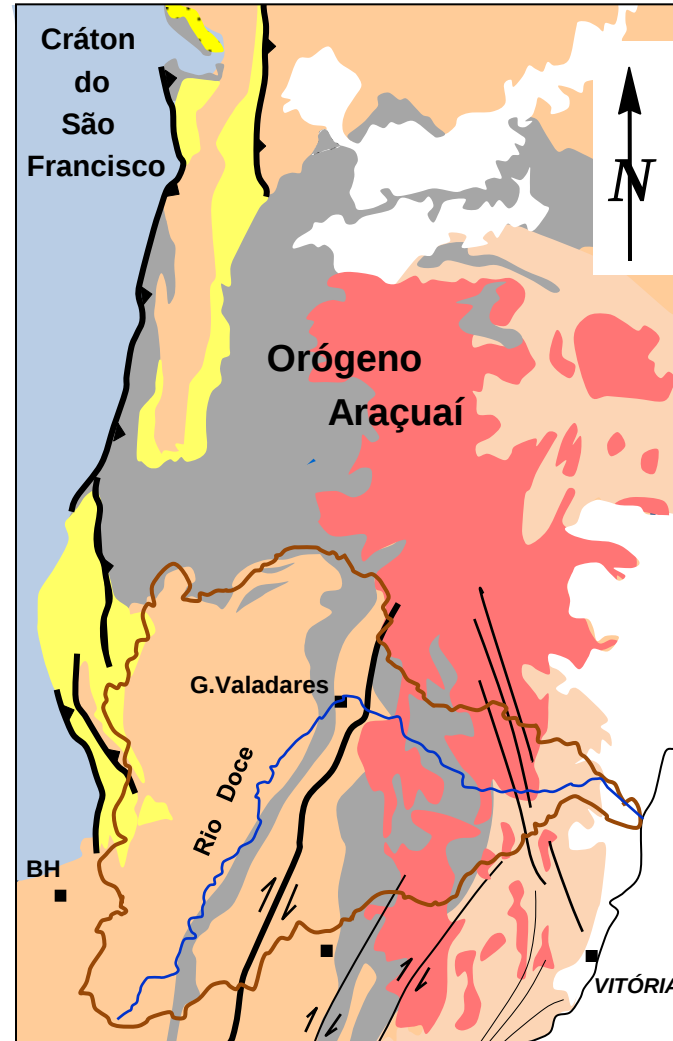
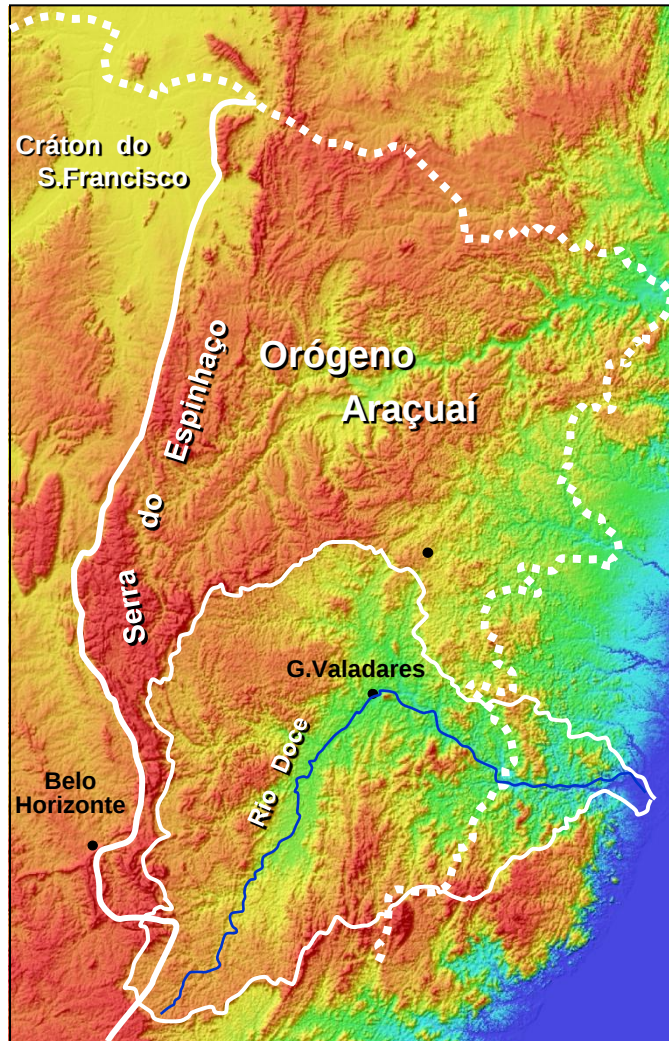
EXPRESSÃO MORFOLÓGICA DOS CRÁTONS E SISTEMA OROGÊNICOS BRASILIANOS



LOCALIZAÇÃO
GEOLOGICA
DA
BACIA DO
RIO DOCE



PANORAMA GEOLÓGICO DA BACIA DO RIO DOCE




Rochas
Fanerozoicas


Granitos
630-5490 Ma

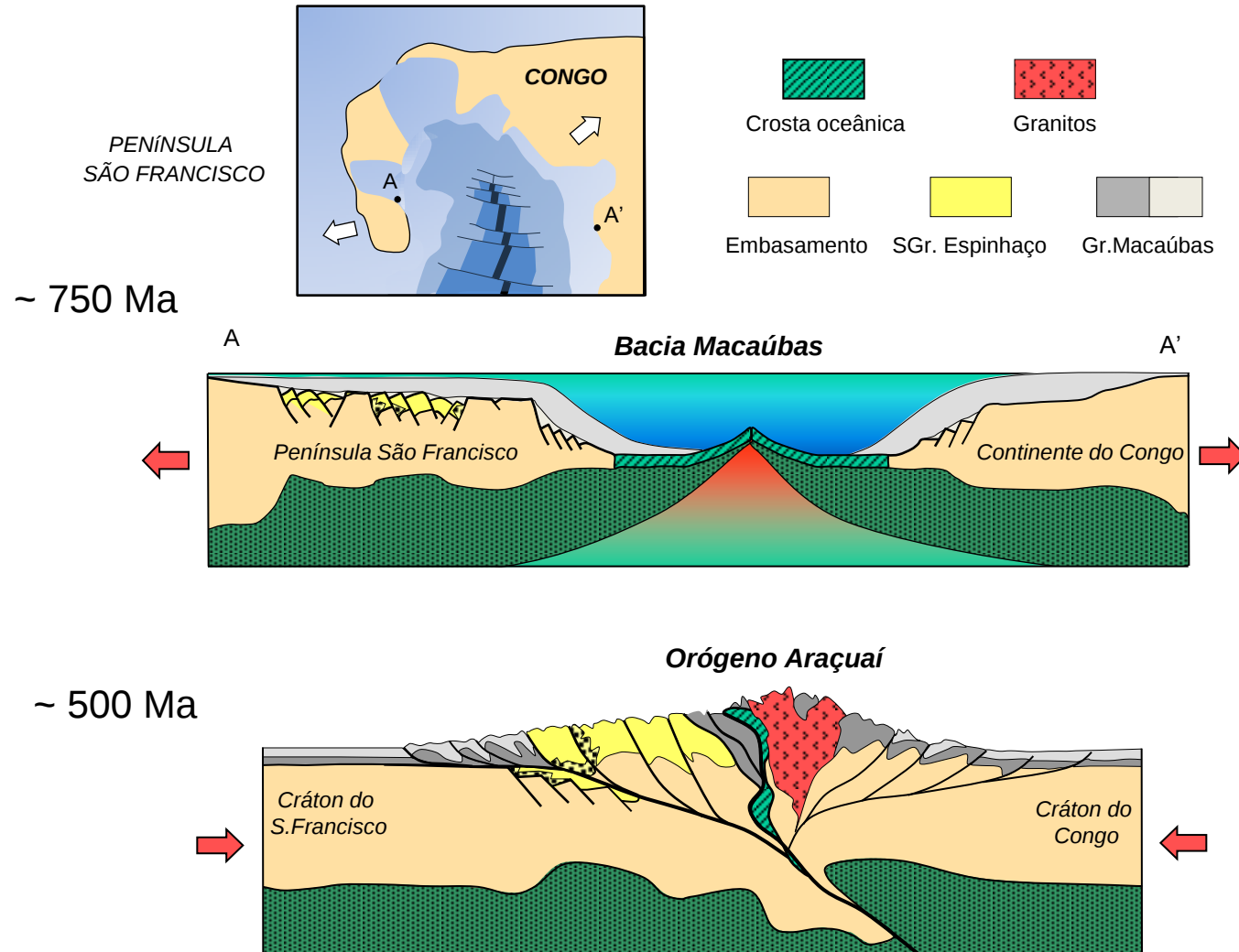
 
Xistos Gnaisses
Rochas
metassedimentares
900 Ma-570 Ma


Rochas
metassedimentares
1.750-1000 Ma


Gnaisses, granitos
Embasamento
(> 1.800 Ma)

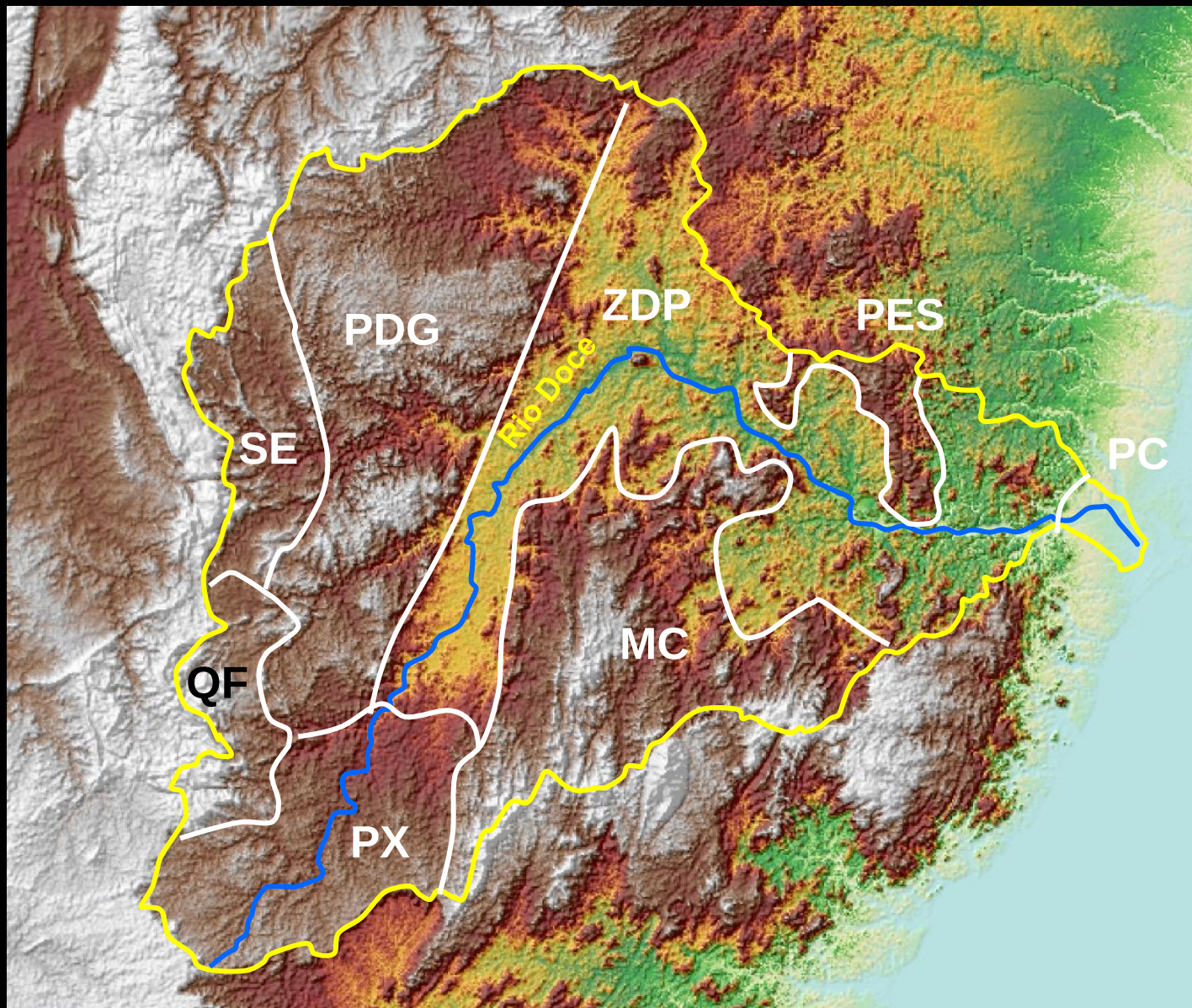
0 50 km


FORMAÇÃO DO ORÓGENO ARAÇUAÍ



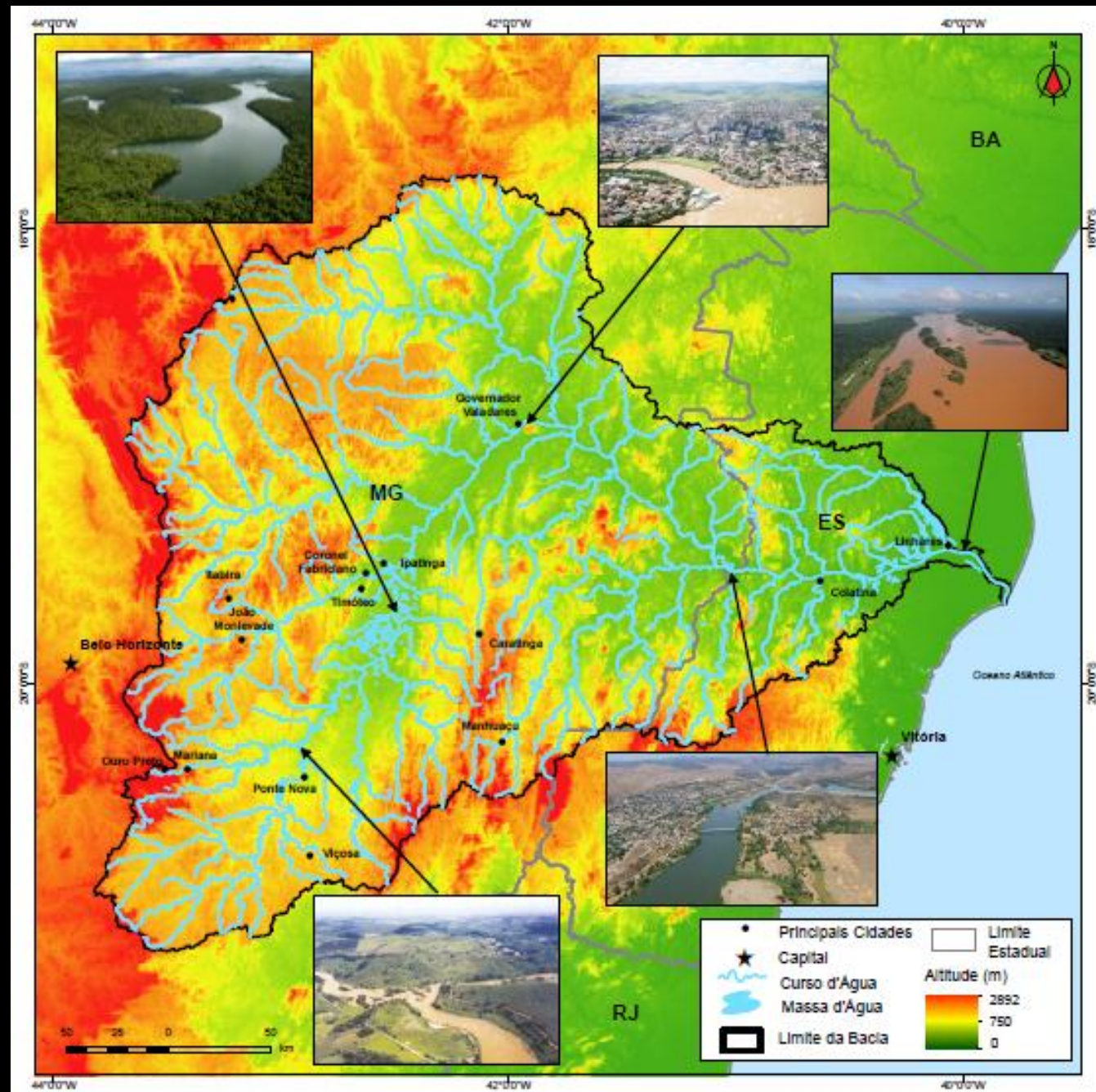
COMPARTIMENTAÇÃO GEOMORFOLÓGICA

- QF**
Quadrilátero
Ferrífero
- SE**
Serra do
Espinhaço
- PDG**
Planalto Dissecado
de Guanhões
- PDG**
Planalto de Xopotó
- MC**
Maciço do Caparó
- ZDP**
Zona de denudação
periférica
- PES**
Pontões Capixabas
- PC**
Planície Costeira



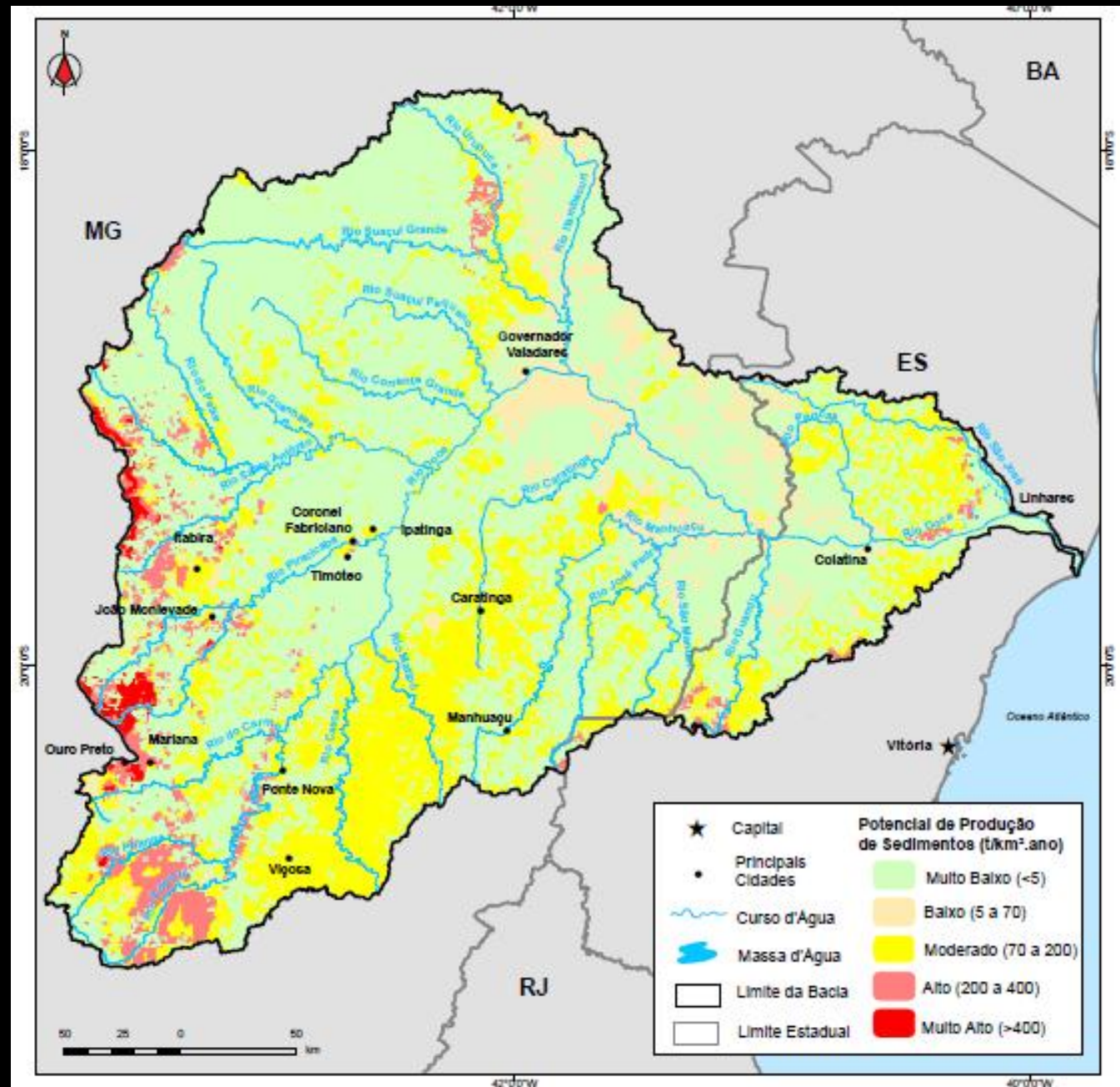
HIDROGRAFIA E FISIOGRAFIA

ANA (2015)



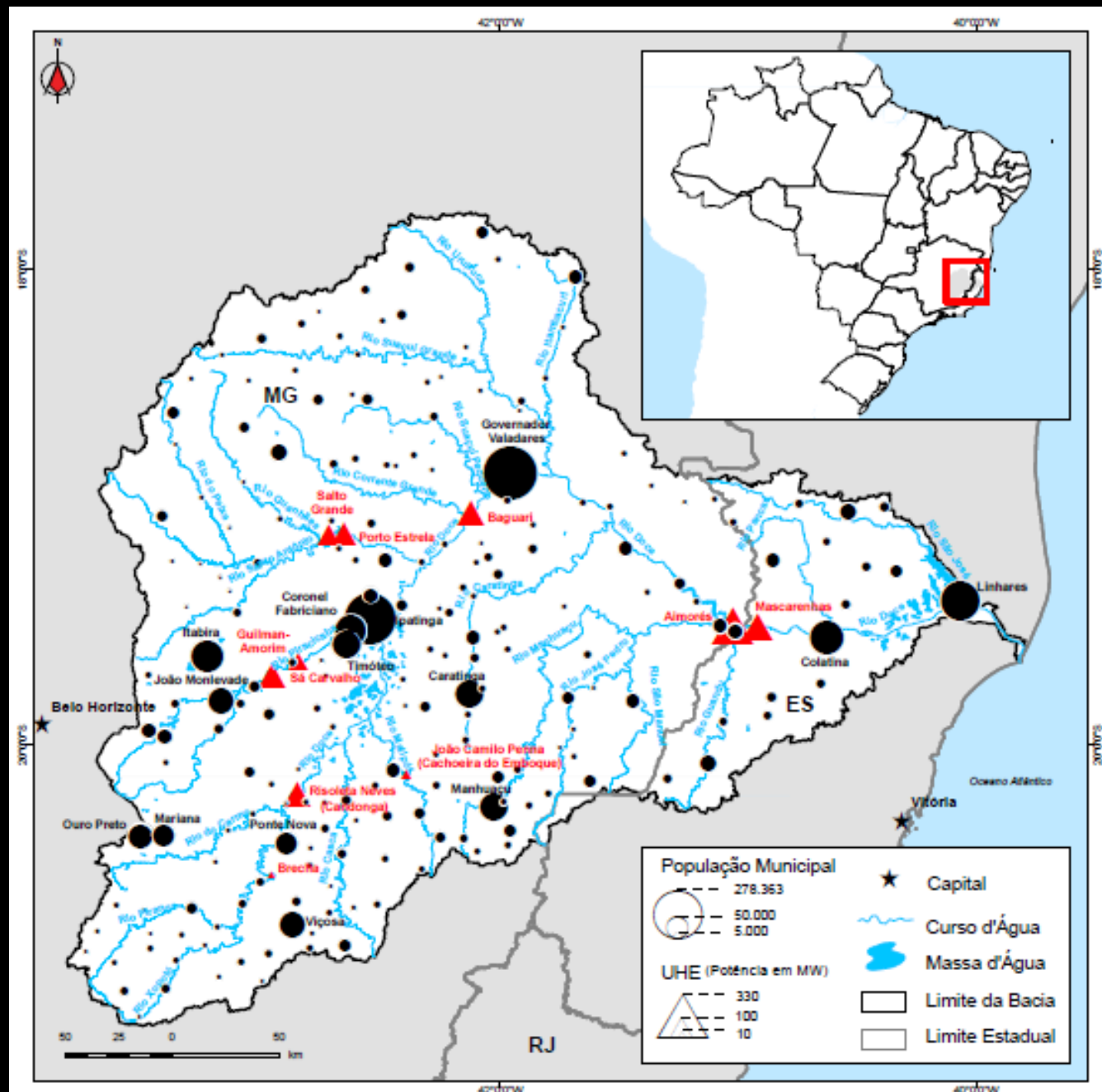
HIDROGRAFIA E POTENCIAL DE PRODUÇÃO DE SEDIMENTOS

ANA (2015)



ALGUNS ASPECTOS SOCIO- ECONÔMICOS

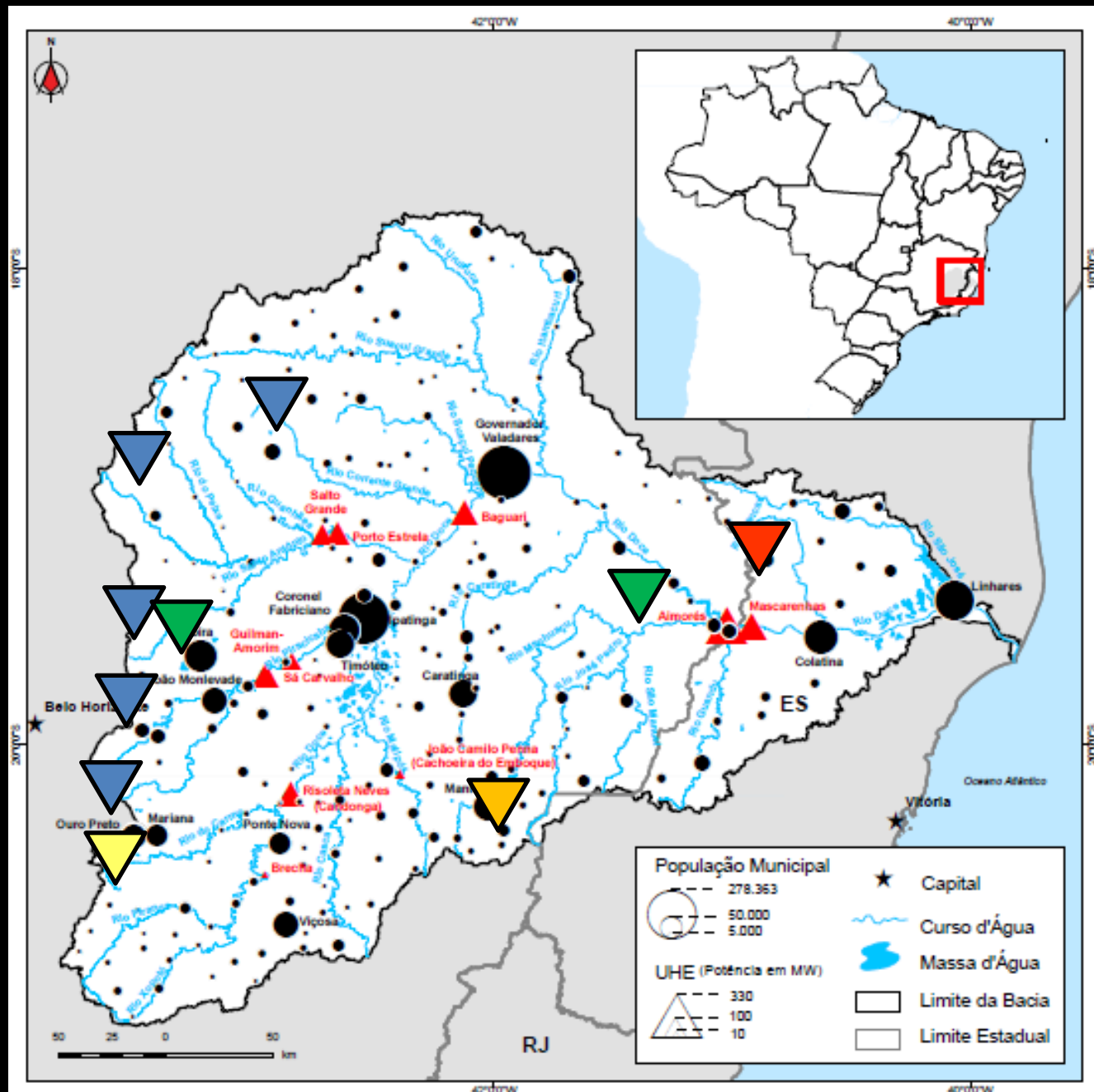
ANA (2015)



RECURSOS MINERAIS E JAZIDAS

-  Ouro
-  Minério de ferro
-  Gemas
-  Rochas Ornamentais
-  Bauxita

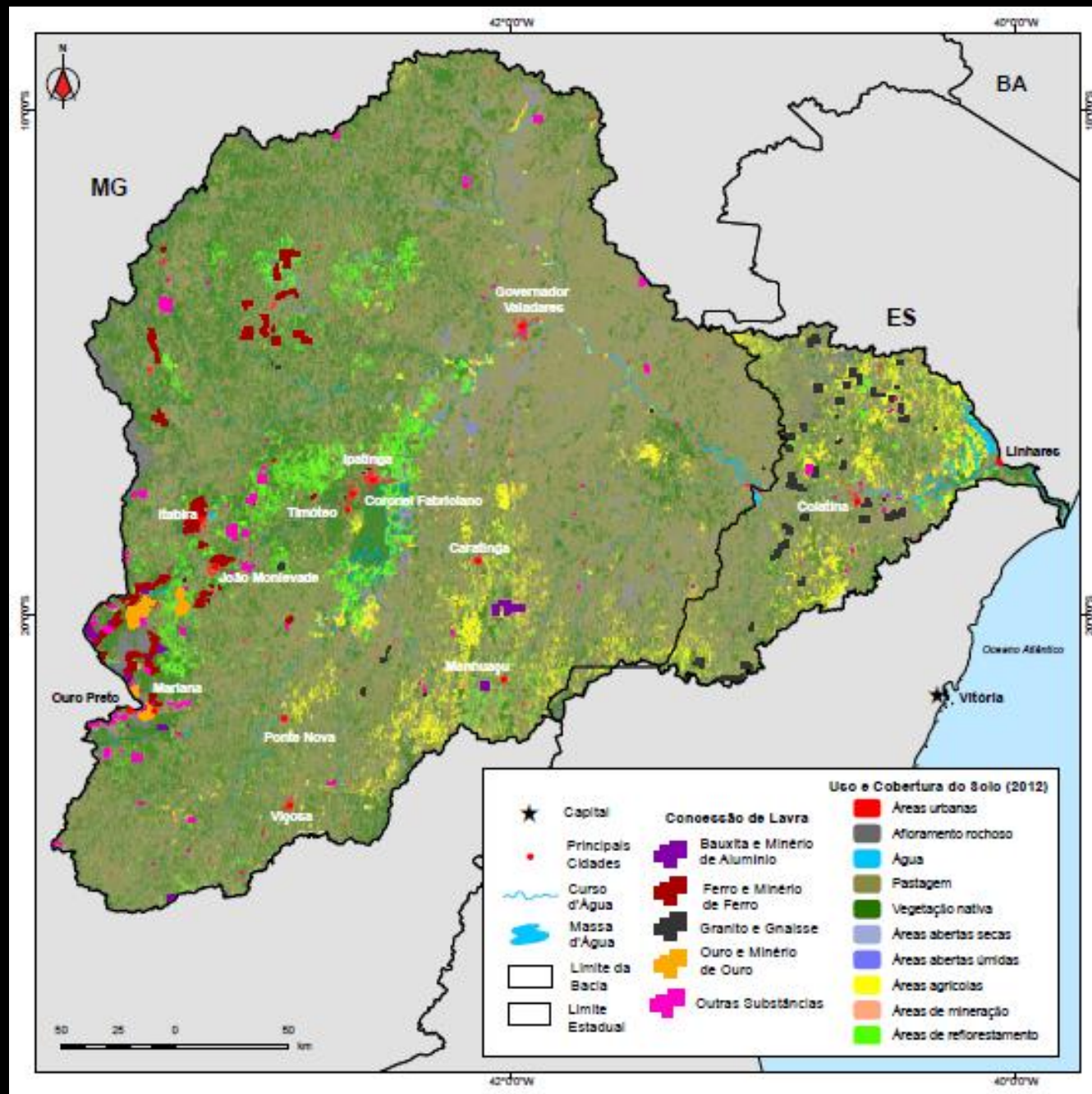
ANA (2015)



RECURSOS MINERAIS E JAZIDAS

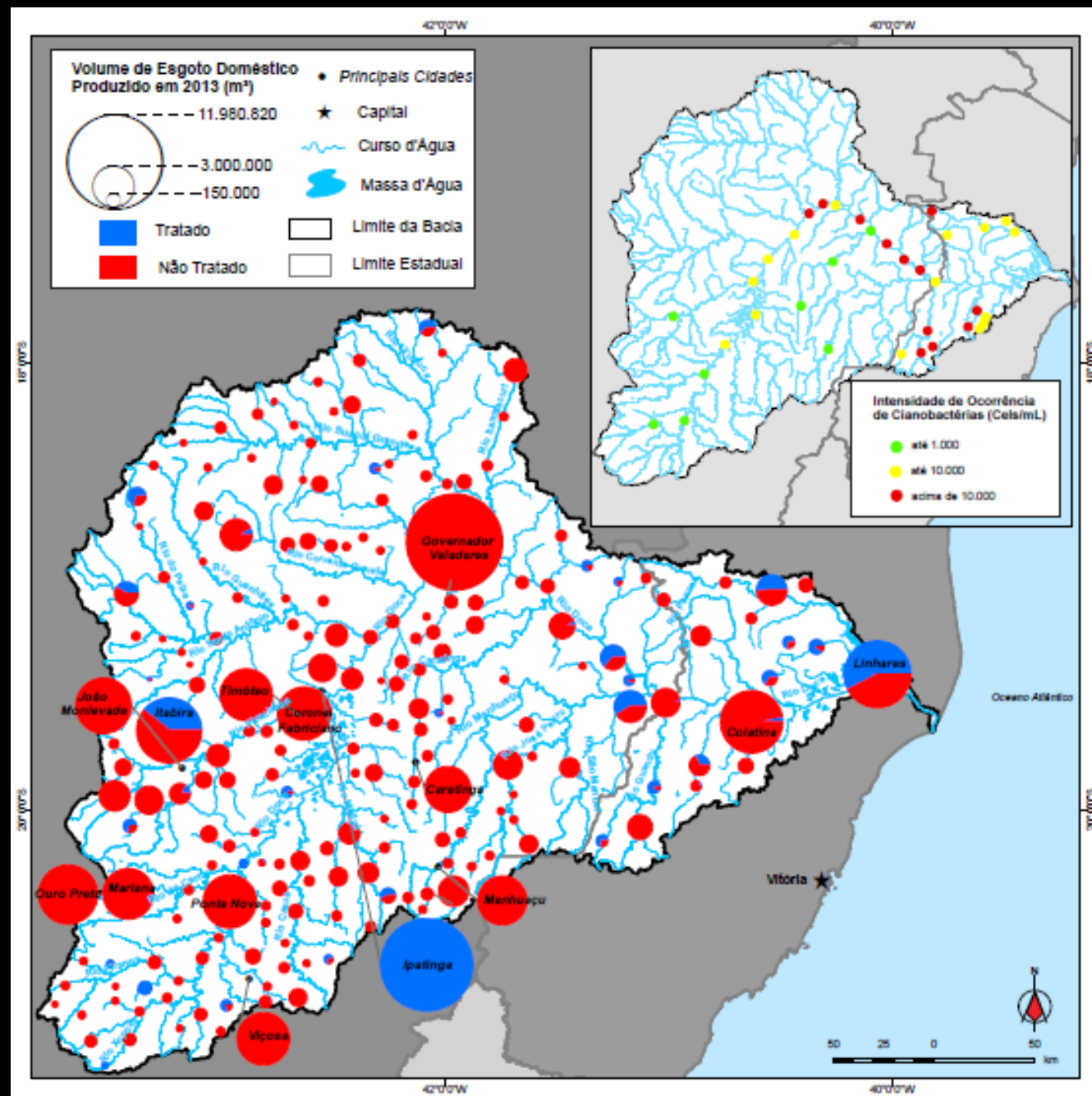
USO E OCUPAÇÃO DO SOLO

ANA (2015)

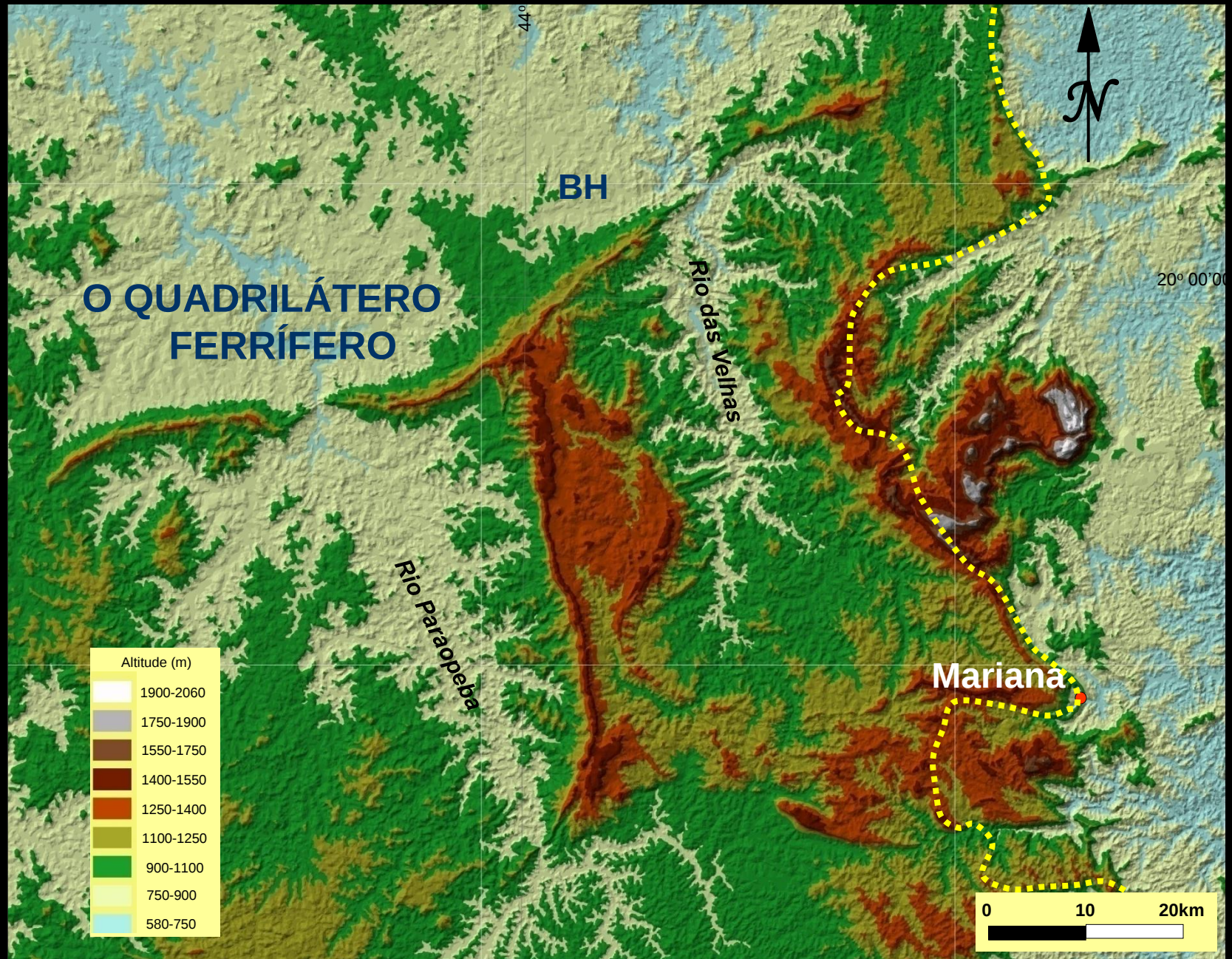


PRODUÇÃO E TRATAMENTO DE ESGOTO

ANA (2015)



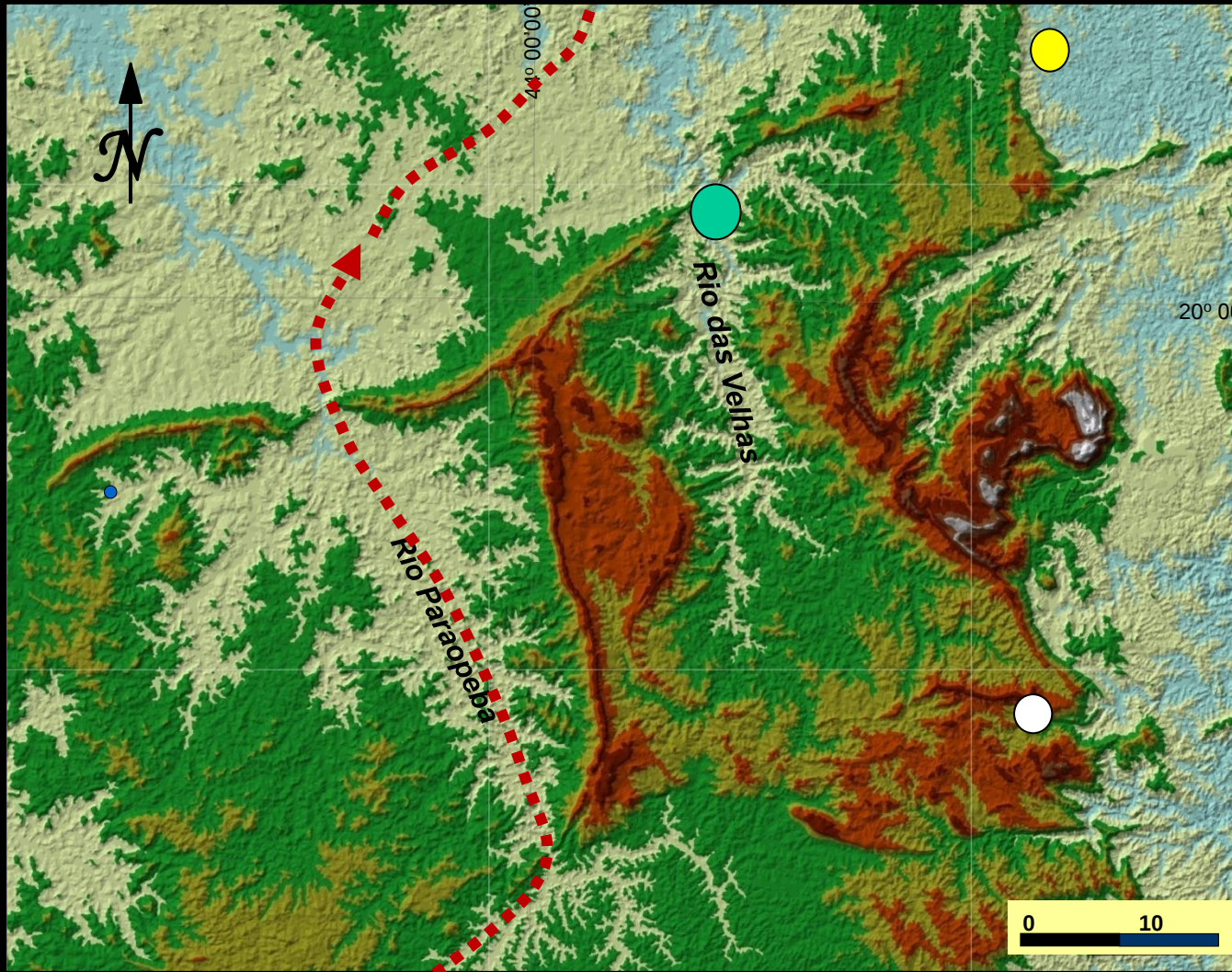
JAZIDAS DE OURO E FERRO



Minas do ouro

Século XVIII

A descoberta



Fernão Dias
Paes Leme
(1674 a 1681)

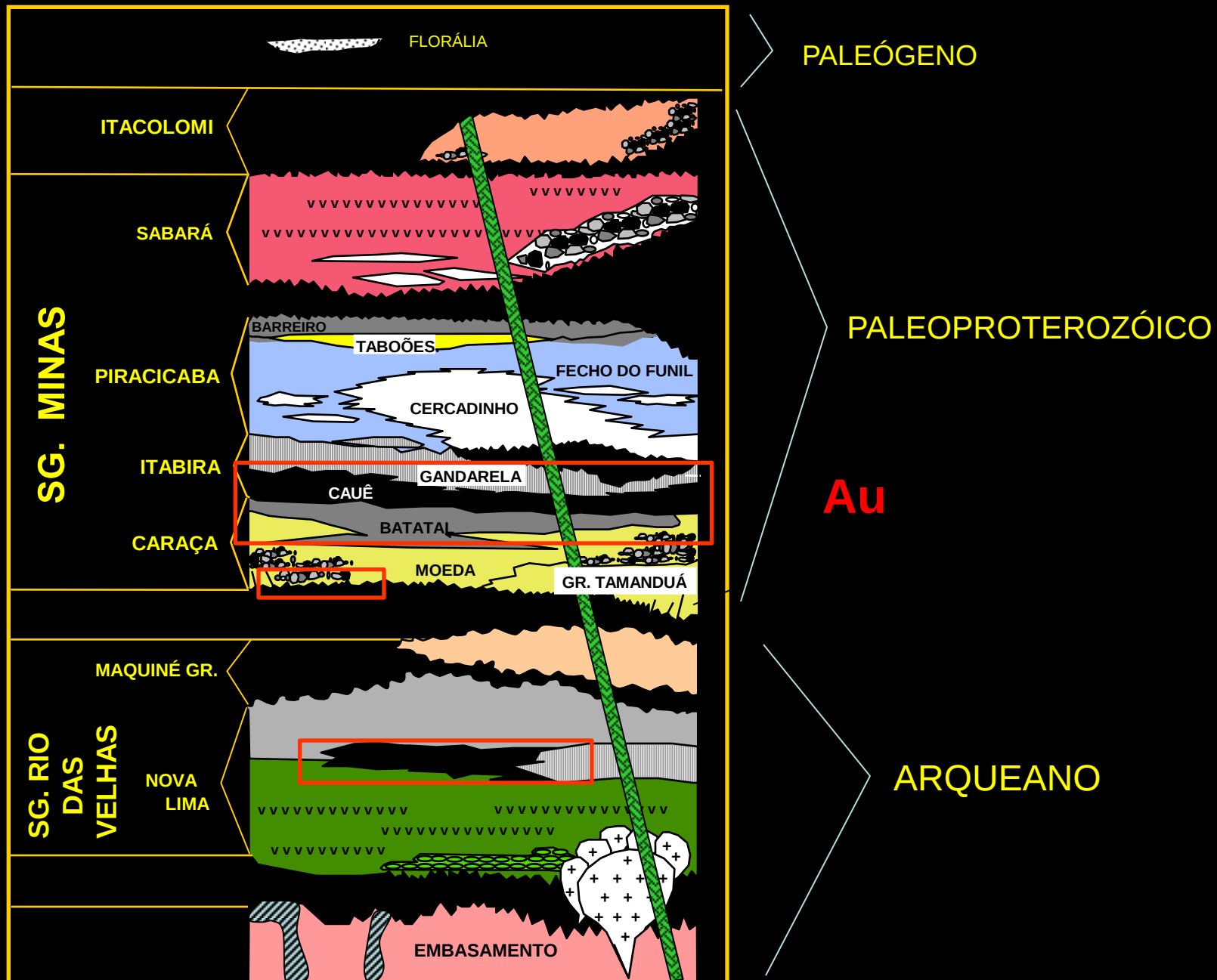
Borba Gato 1680 ?

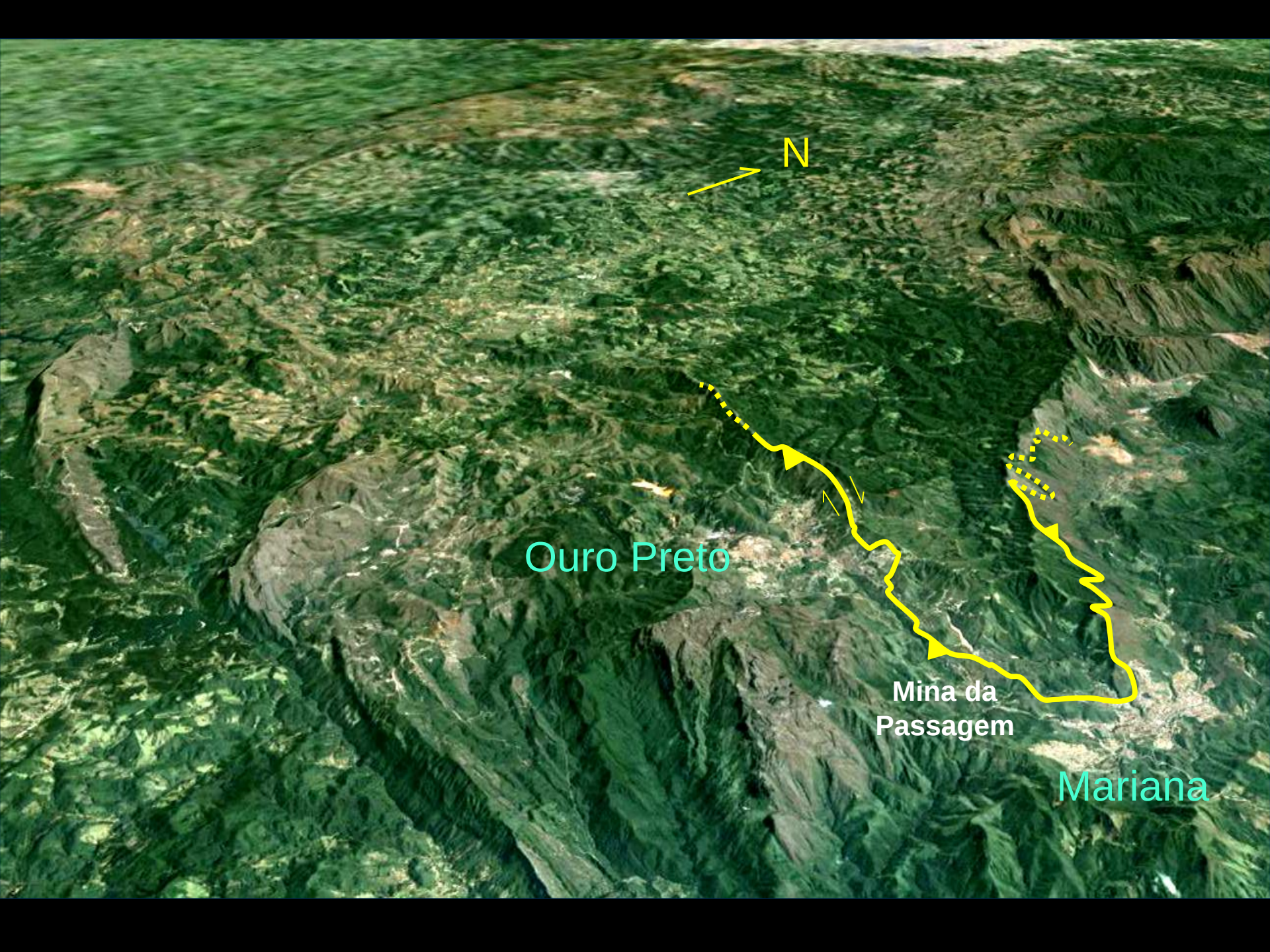
Antônio Rodrigues
Arzão 1693-1694

Duarte Lopes (?)
1694

Antônio Dias
24.06.1698

ESTRATIGRAFIA





N

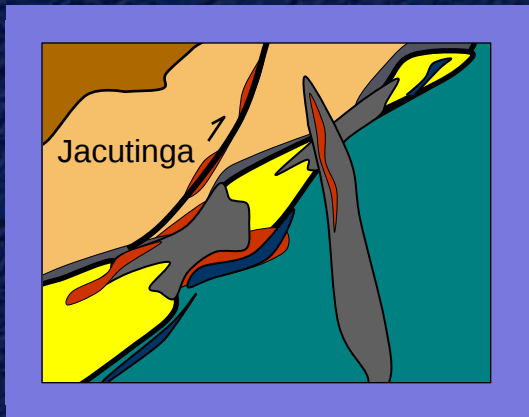
Ouro Preto

Mina da
Passagem

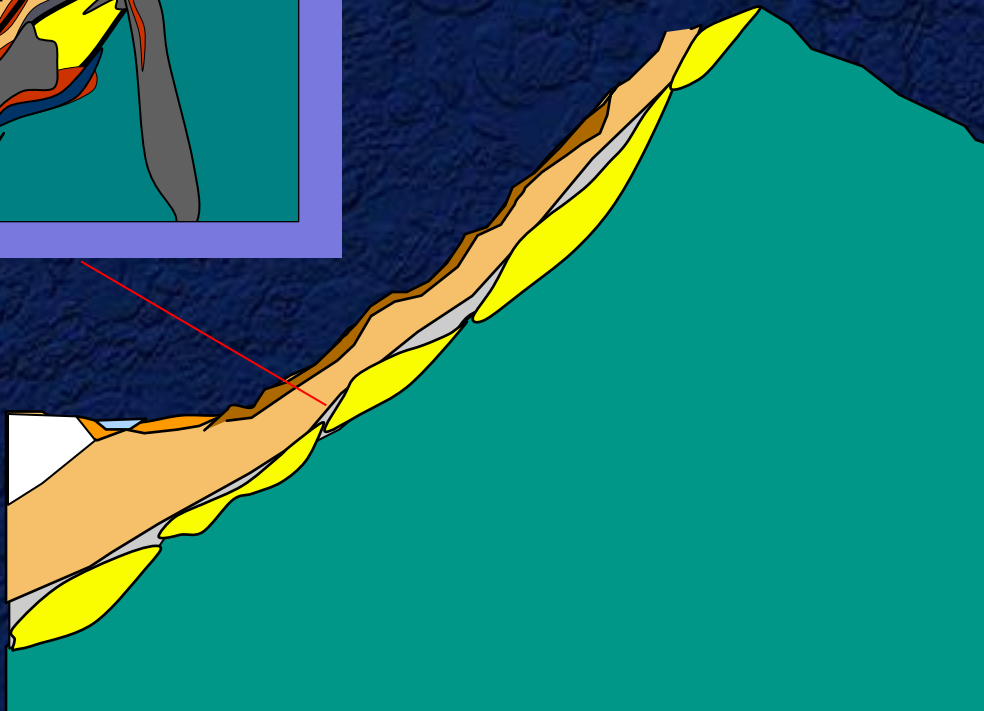
Mariana

Depósitos auríferos

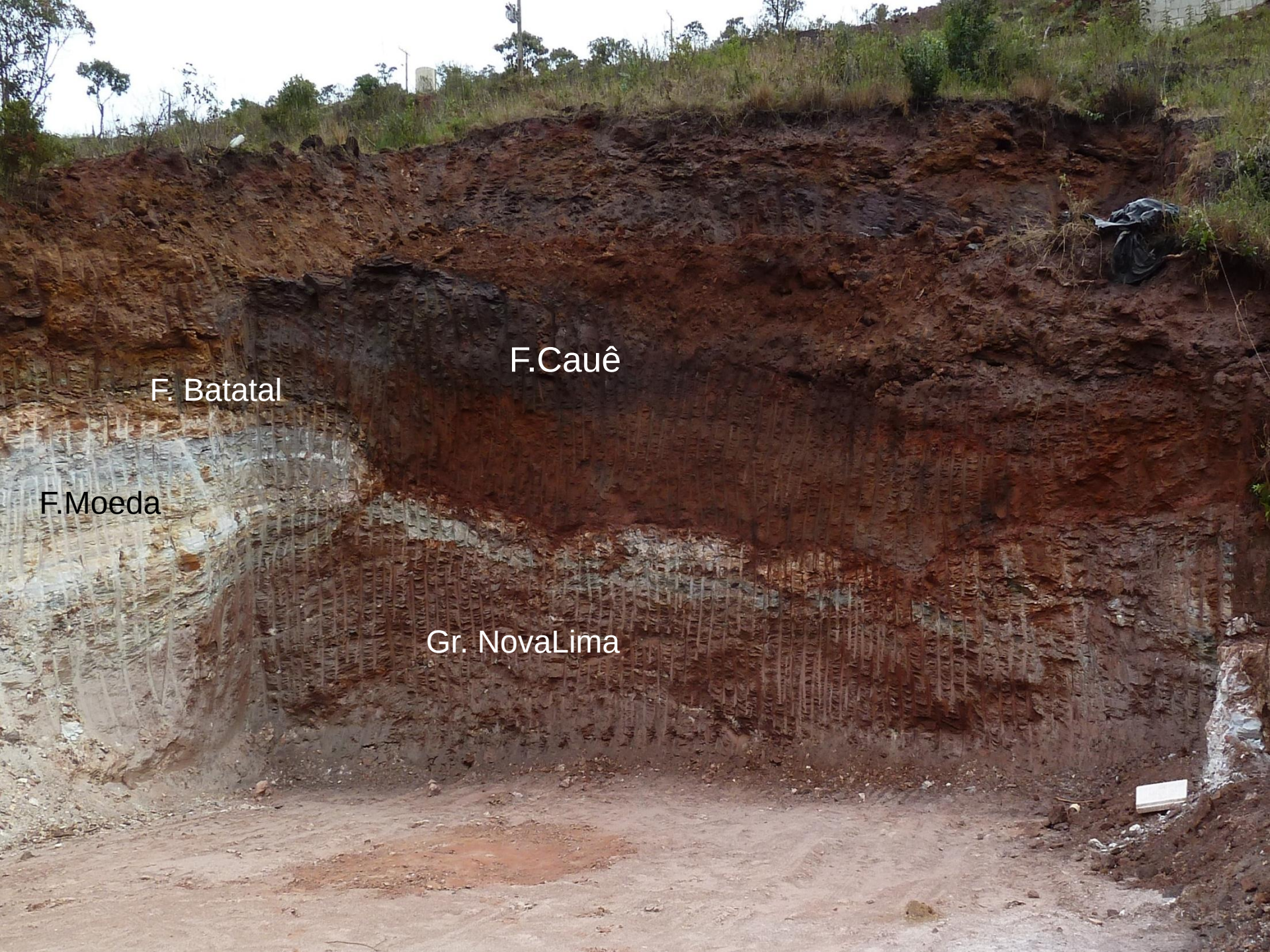
■ Veios ■ Minério



SERRA "DOIRADA"



- Aluvião
- Canga, colúvio
- Itabirito Cauê
- Filito Batatal
- Quartzito Moeda
- Xisto Nova Lima



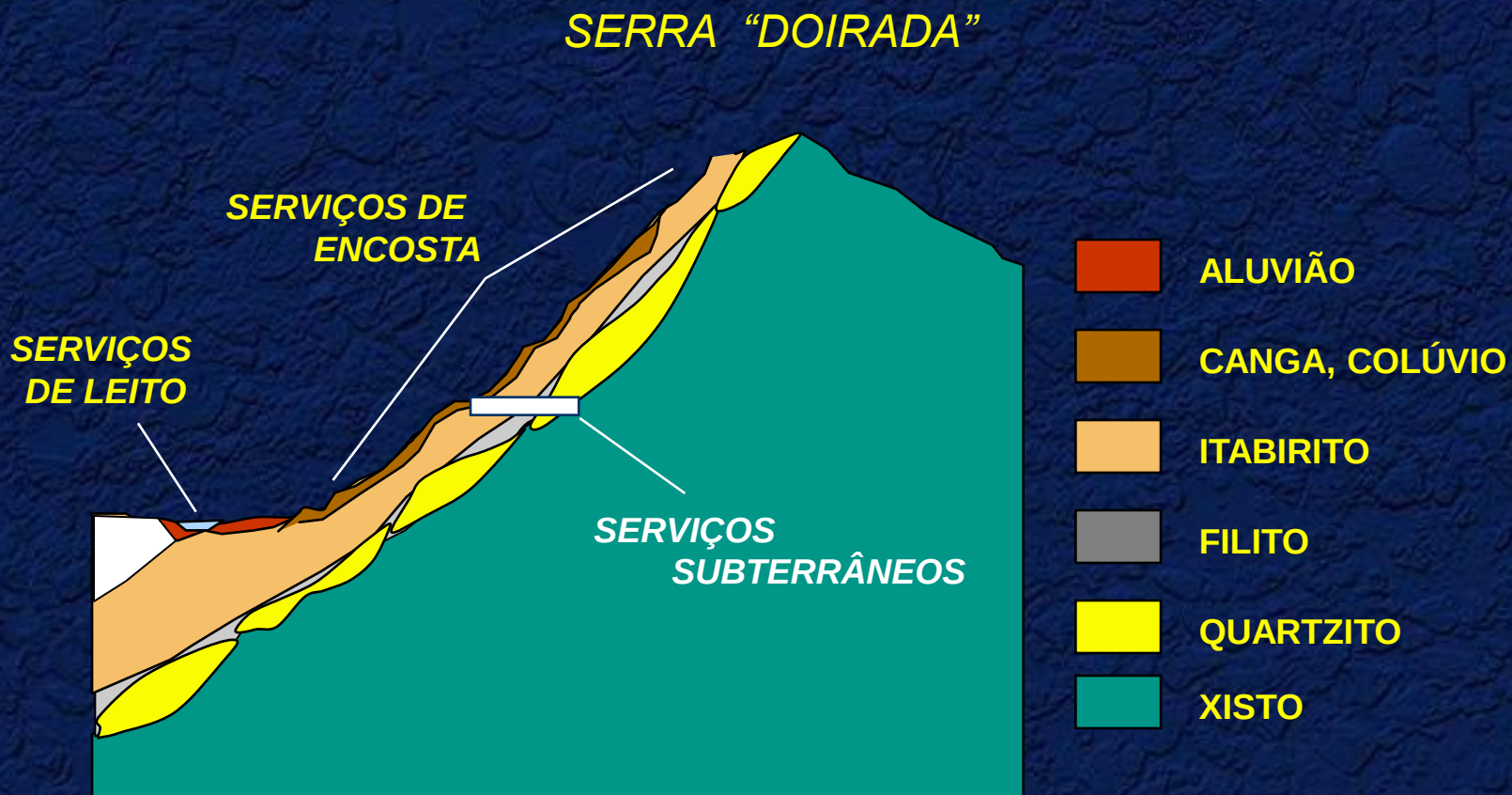
F.Cauê

F. Batatal

F.Moeda

Gr. NovaLima

Depósitos auríferos e “serviços”

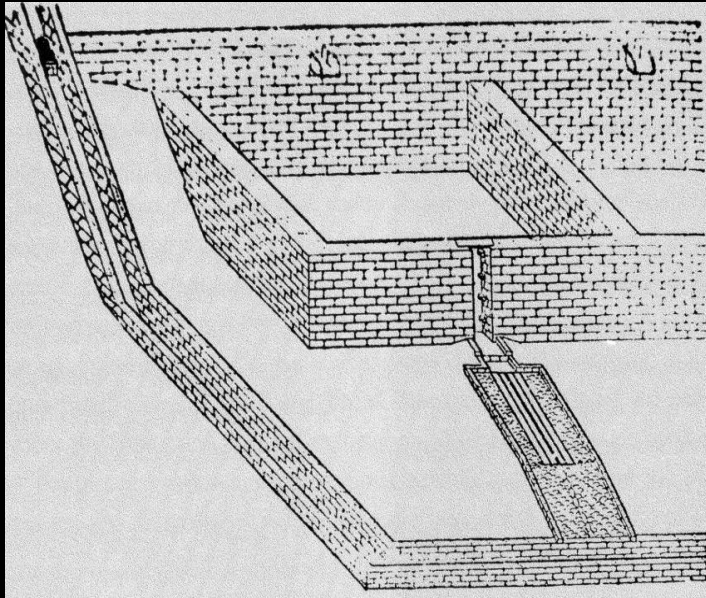


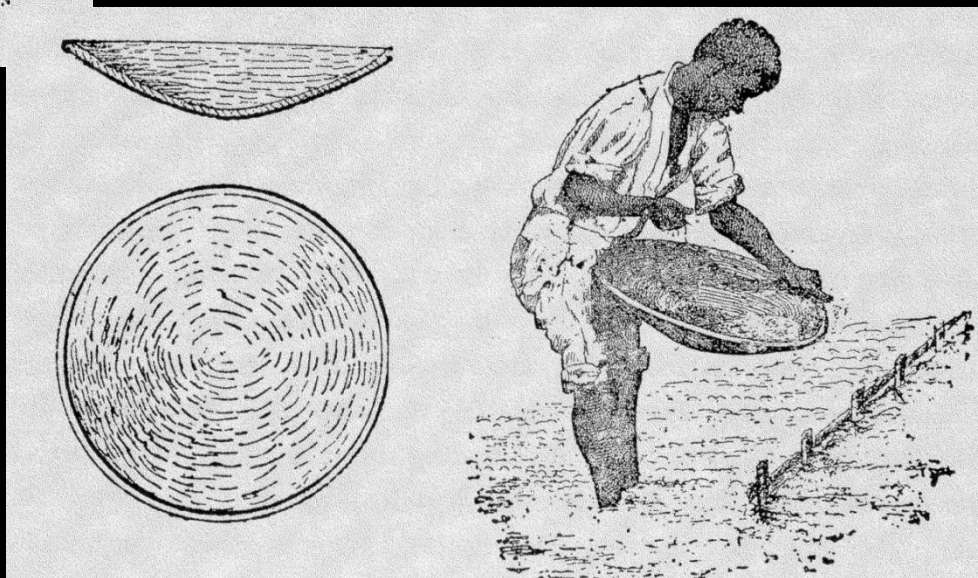
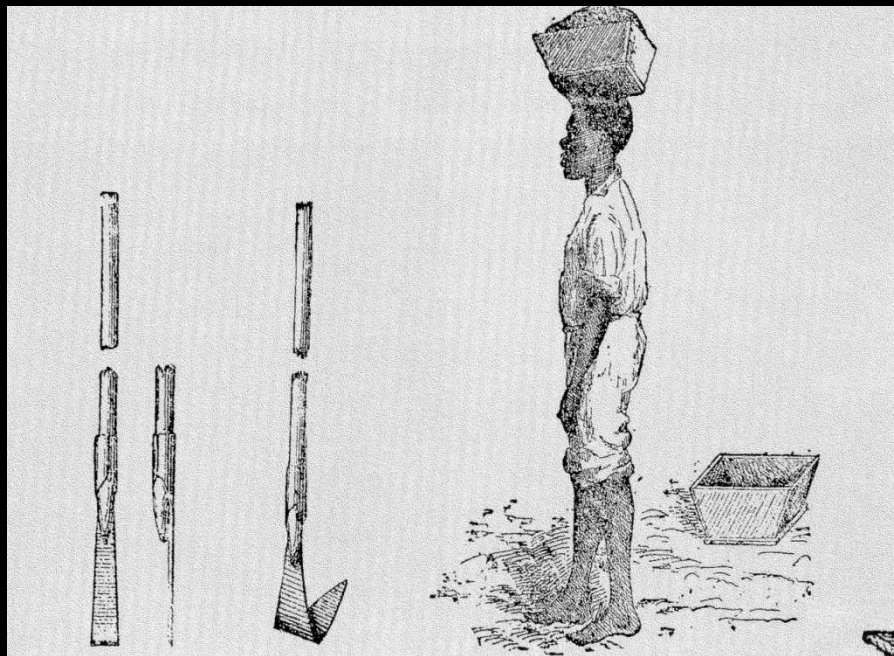


J.M. Rugendas
(1802-1858)

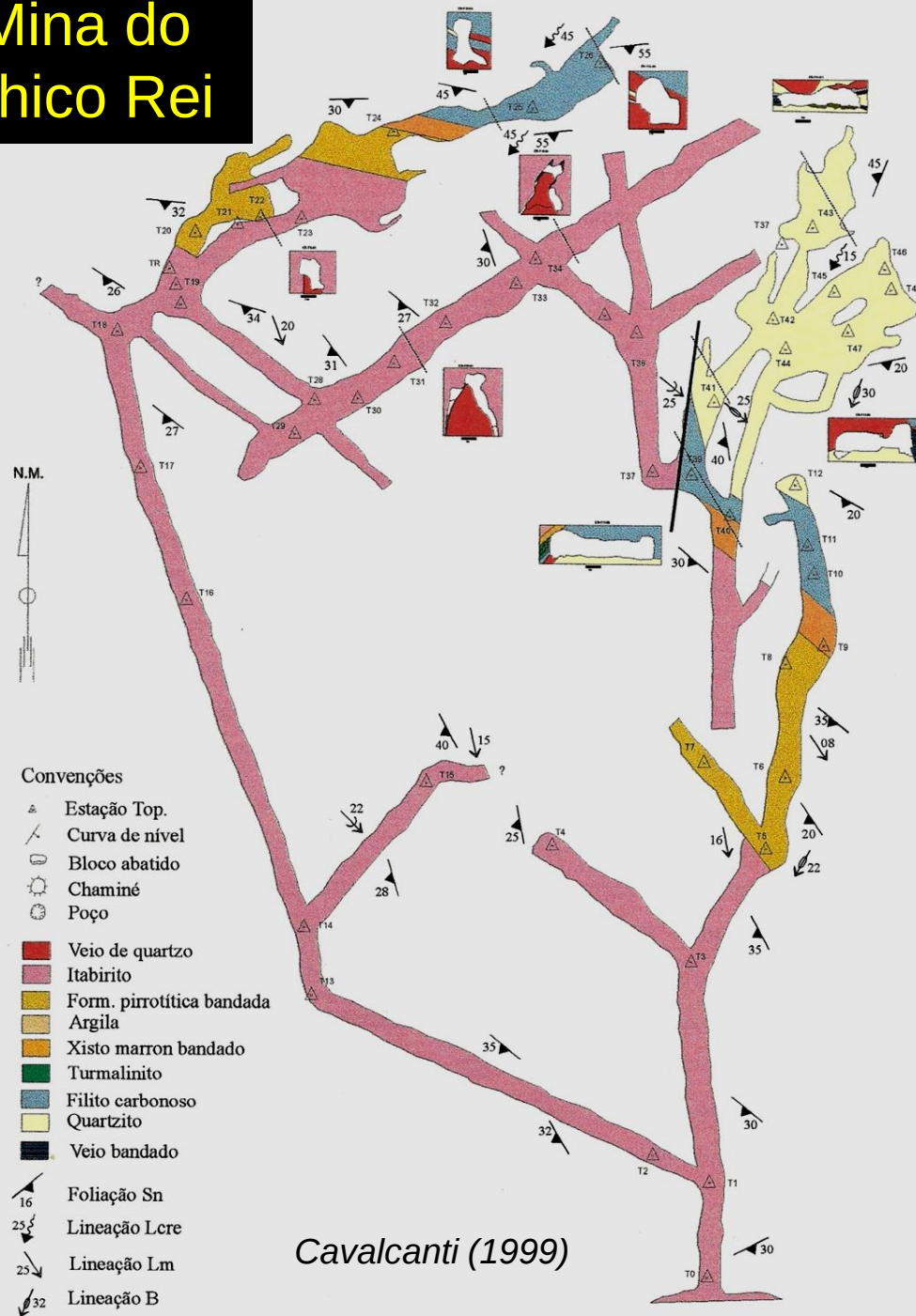








Mina do Chico Rei

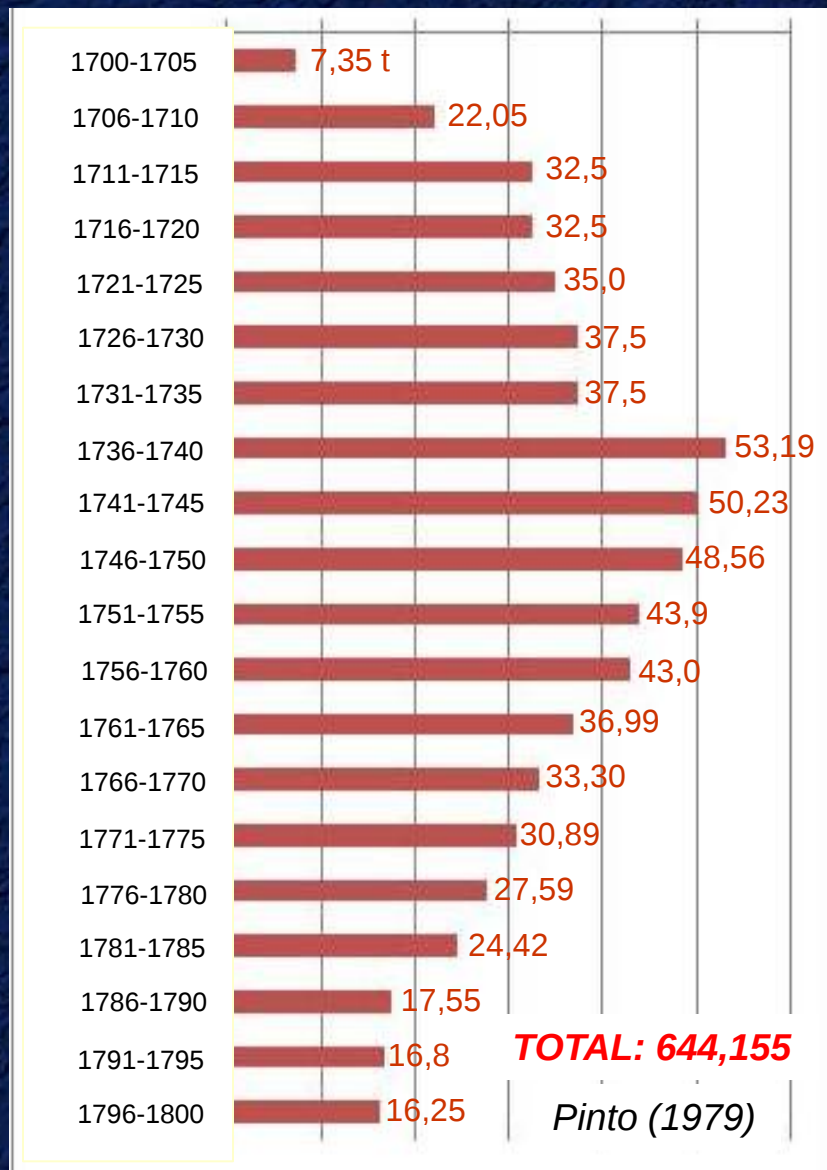


O ouro preto



Roeser & Schürmann (2008)

Estimativa da produção aurífera



Eventos do ciclo do ouro

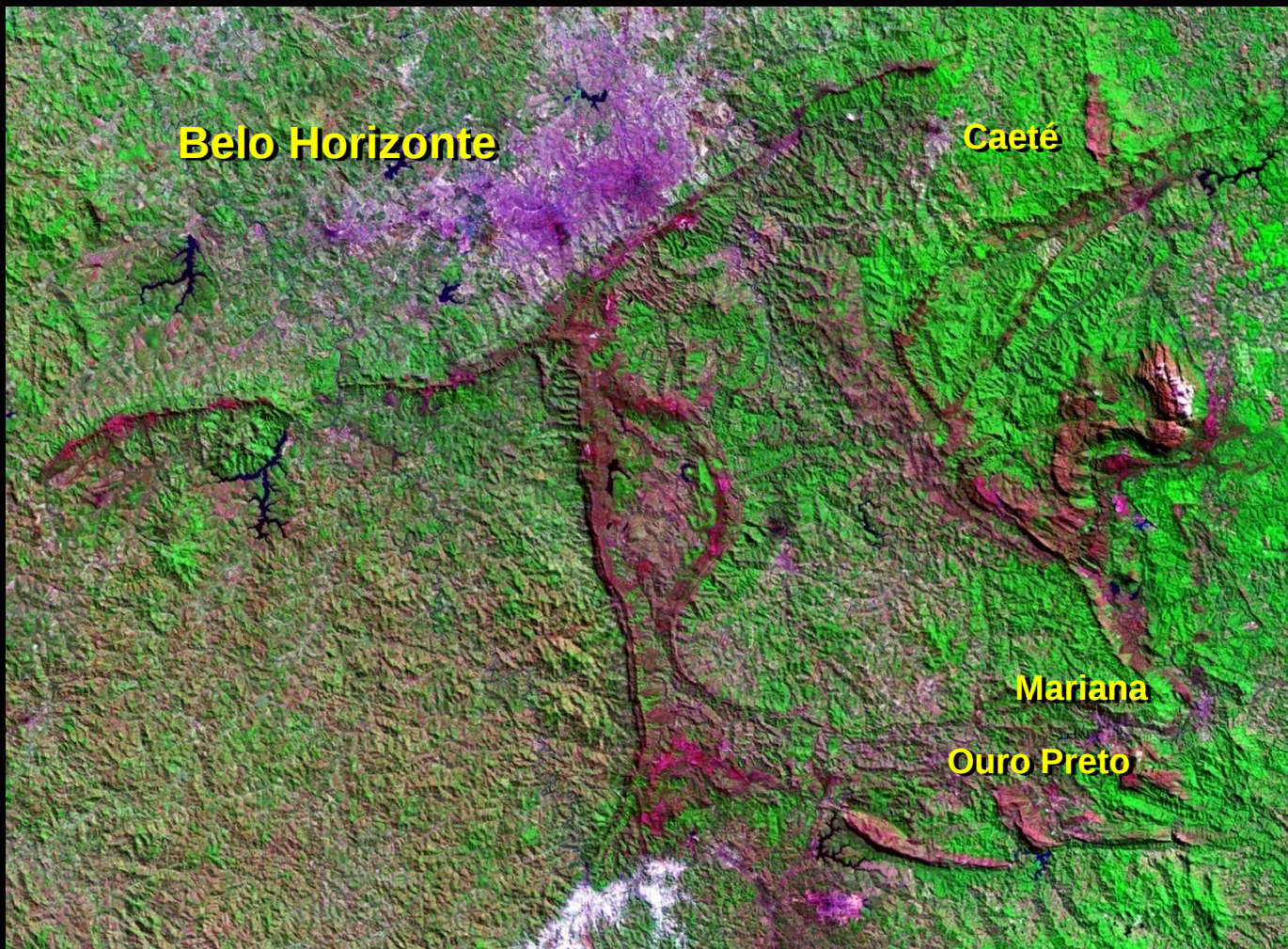
“Auri sacra fames”

- A grande fome de 1697-1701
- A guerra dos emboabas, 1707-1709
- 1711: A vila torna-se Rica
- A revolta de Felipe dos Santos, 1720
- A capitania de Minas Gerais, 1720
- 1755: Um terremoto distante
- A Inconfidência Mineira, 1789



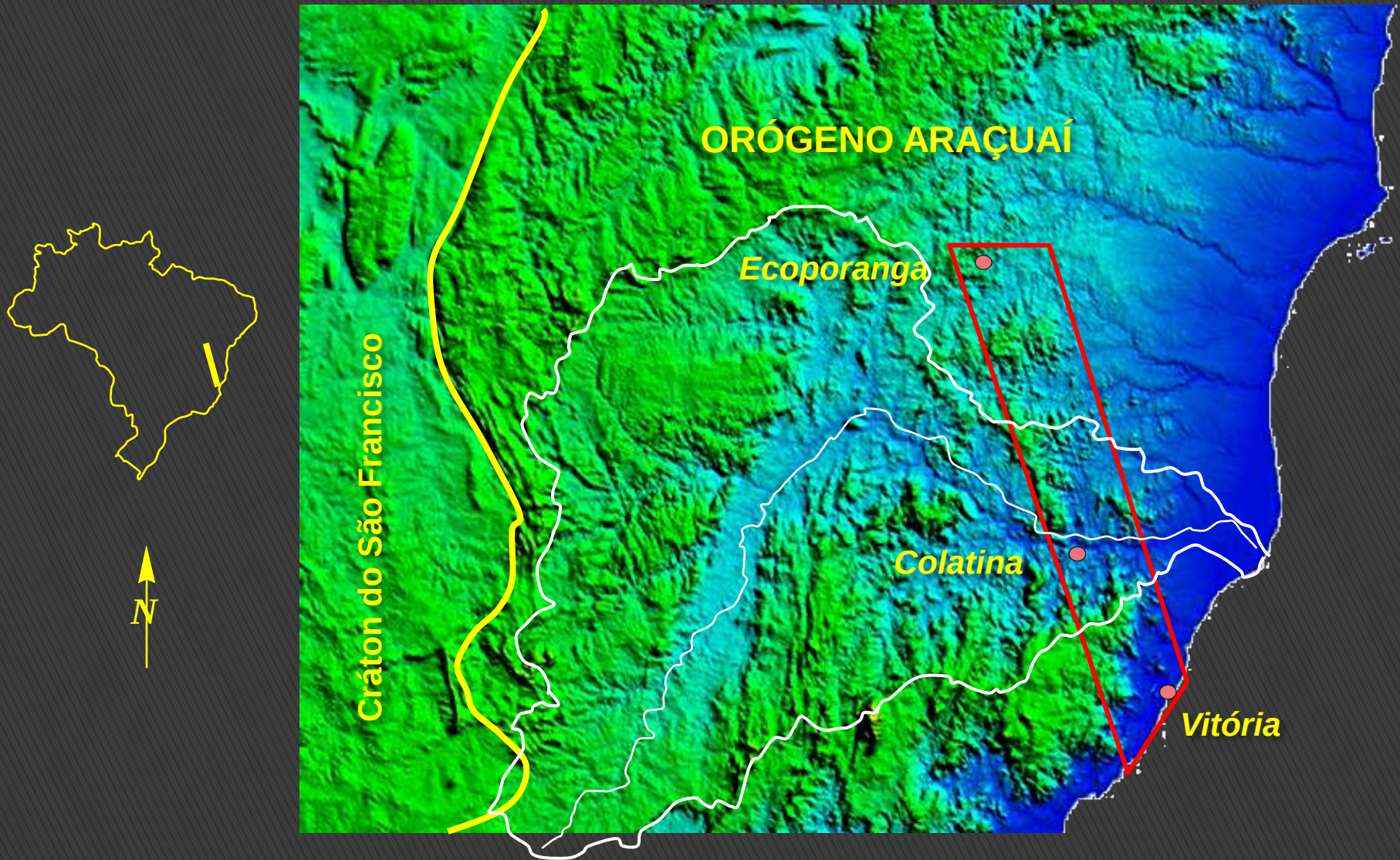
Minas do ferro

Século XX





ROCHAS ORNAMENTAIS DO ESPÍRITO SANTO E A PROVINCIA DE PAES DE AÇUCAR DE PANCAS



O FEIXE DE FRATURAS DE COLATINA







O PARQUE ESTADUAL DOS PONTÕES CAPIXABAS

