

Brasil Round 5

Areas Offered

Sandro Rosito Mercio
Blocks Definition
Agência Nacional do Petróleo

- Selection criteria:
 - Blocks
 - Sectors
- Data package
- Presentation of areas

- **Basins included in Brasil Round 5**

- Pelotas
- Santos
- Campos
- Espírito Santo
- Jequitinhonha
- Recôncavo
- Potiguar
- Barreirinhas
- Foz do Amazonas

		Deep waters
	Shallow waters	Deep waters
	Shallow waters	Deep waters
Onshore	Shallow waters	
		Deep waters
Onshore		
Onshore		
	Shallow waters	
	Shallow waters	

- **Brasil Round 5**
 - 21 sectors
 - grouped in 12 data packages
- **Total area offered**
 - total: 195,217 km²
 - offshore: 186,006 km²
 - onshore: 9,211 km²

- Number of blocks offered

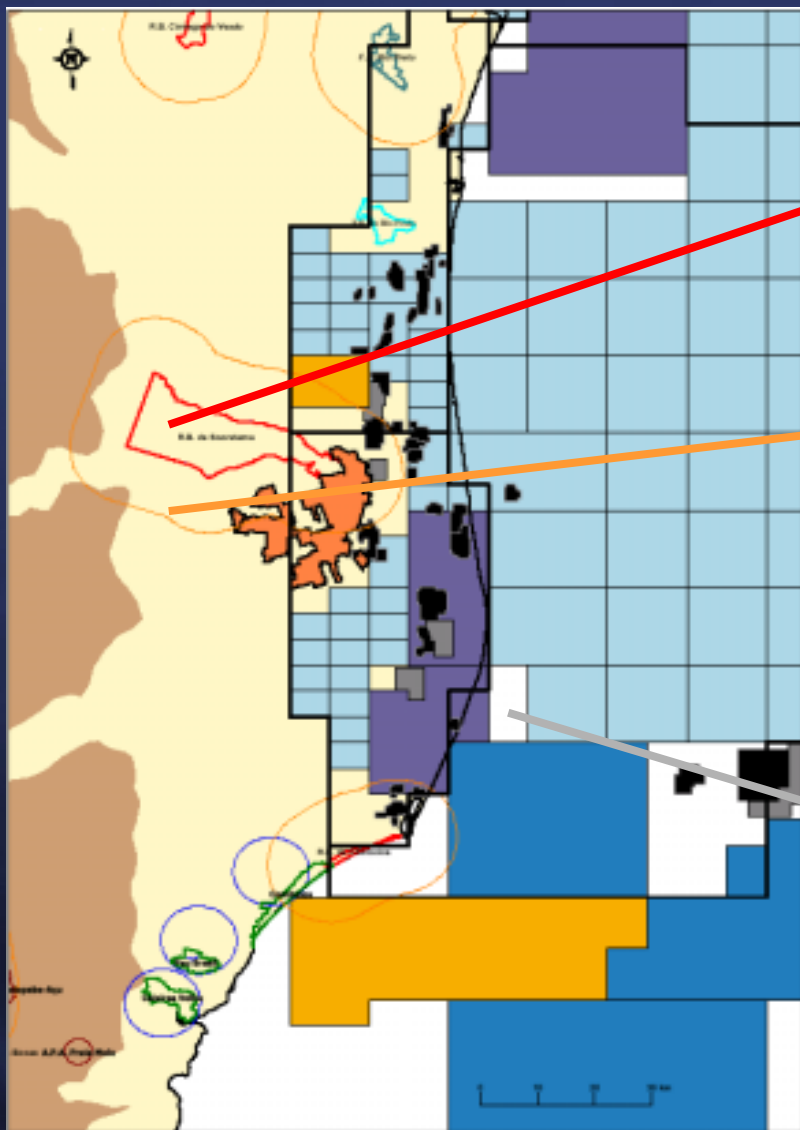
- offshore: 824

– Foz do Amazonas AR:	156
– Barreirinhas AR:	62
– Jequitinhonha AP:	12
– Espírito Santo AR:	191
– Pelotas AP:	33
– Santos AP:	20
– Santos AR:	306
– Campos AR:	38
– Campos AP:	6

- onshore: 282

– Espírito Santo:	76
– Recôncavo:	41
– Potiguar:	165

Reasons for the Exclusion of Blocks



- Environmental Conservation Units
- Buffer zones
- Urban Areas > 25,000 inhabitants
- Overlapping with Concessions

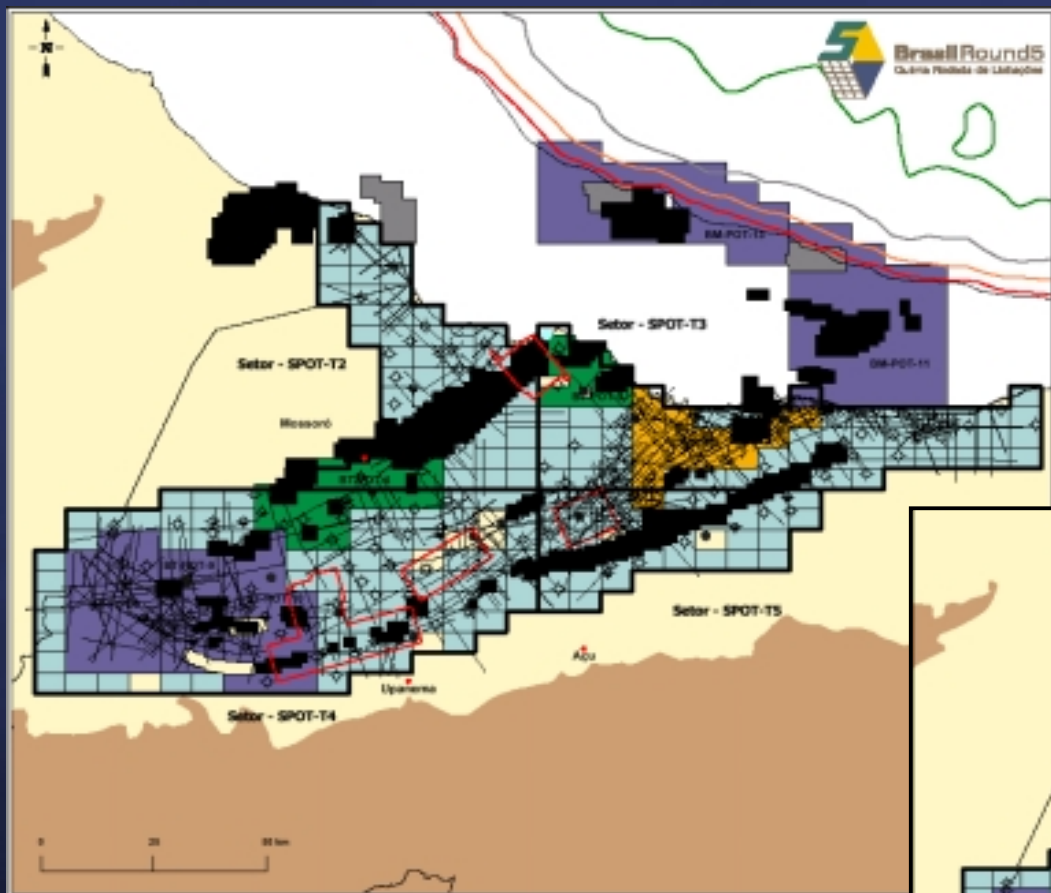
ANP Commitment:

- Rigorous quality control
- Availability for clarifications
- Rapid solution to problems
- Extensive data content:
 - seismic, log curves, well files, composite logs, geochemistry

Data Package Content

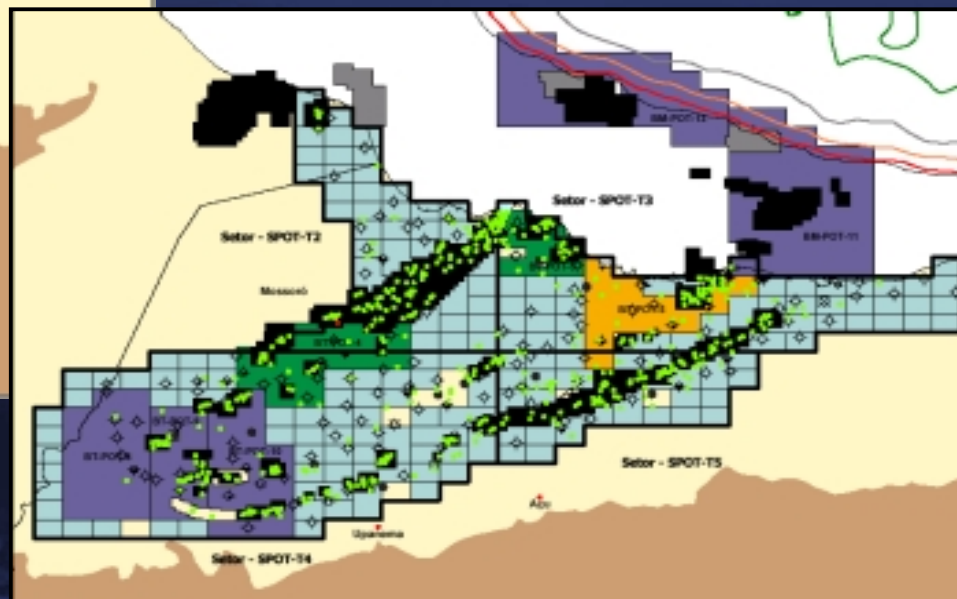
- **Basic package defined by ANP + quota**
 - Flexibility, focus, adaptation
- **Criteria for data selection**
 - age, quality and significance
- **Environmental sensitivity mapping**
 - IBAMA
 - Included in the Data Package
 - 6 months before bidding

Content - Onshore Basins Data Packages

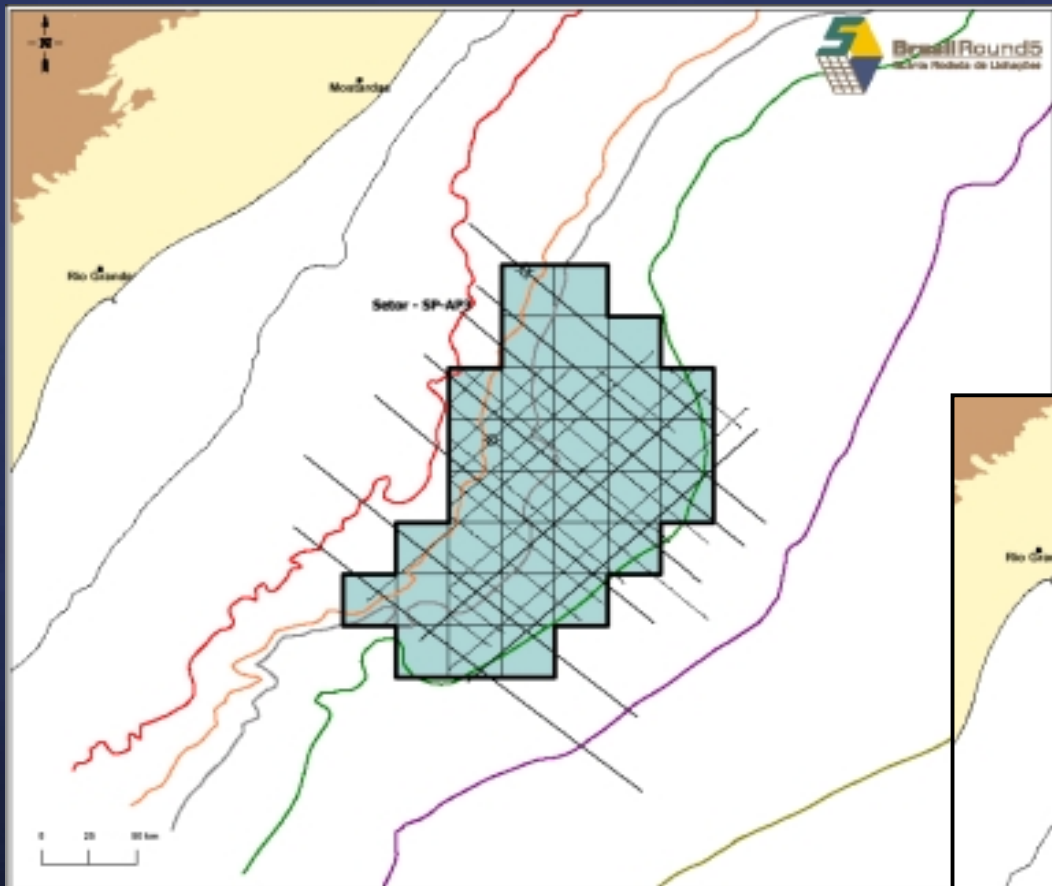


- Complete seismic
– 2D and 3D
- Selection of wells

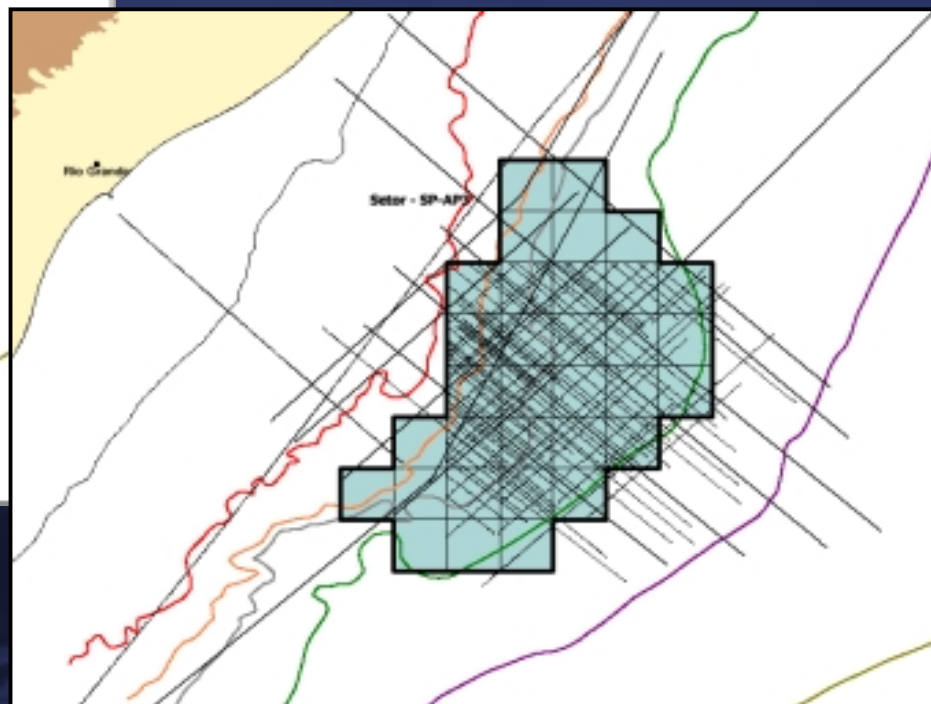
- Quota:
– Additional wells



Content - Offshore Basins Data Packages



- All wells
- Selected seismic



- Quota:
 - Additional seismic



anp
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Petróleo

Geological Environments

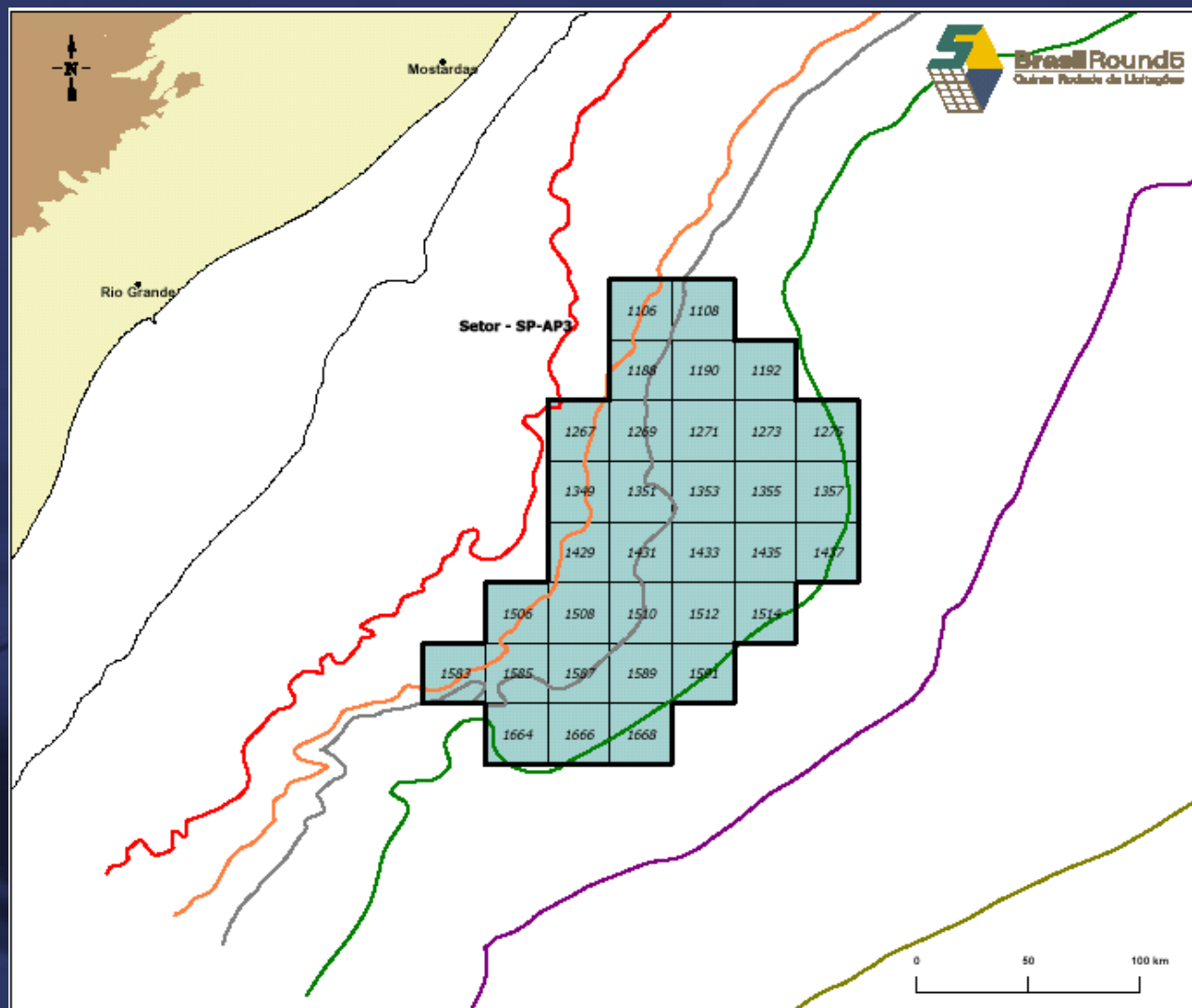


Brasil Round5
Quinta Rodada de Licitações



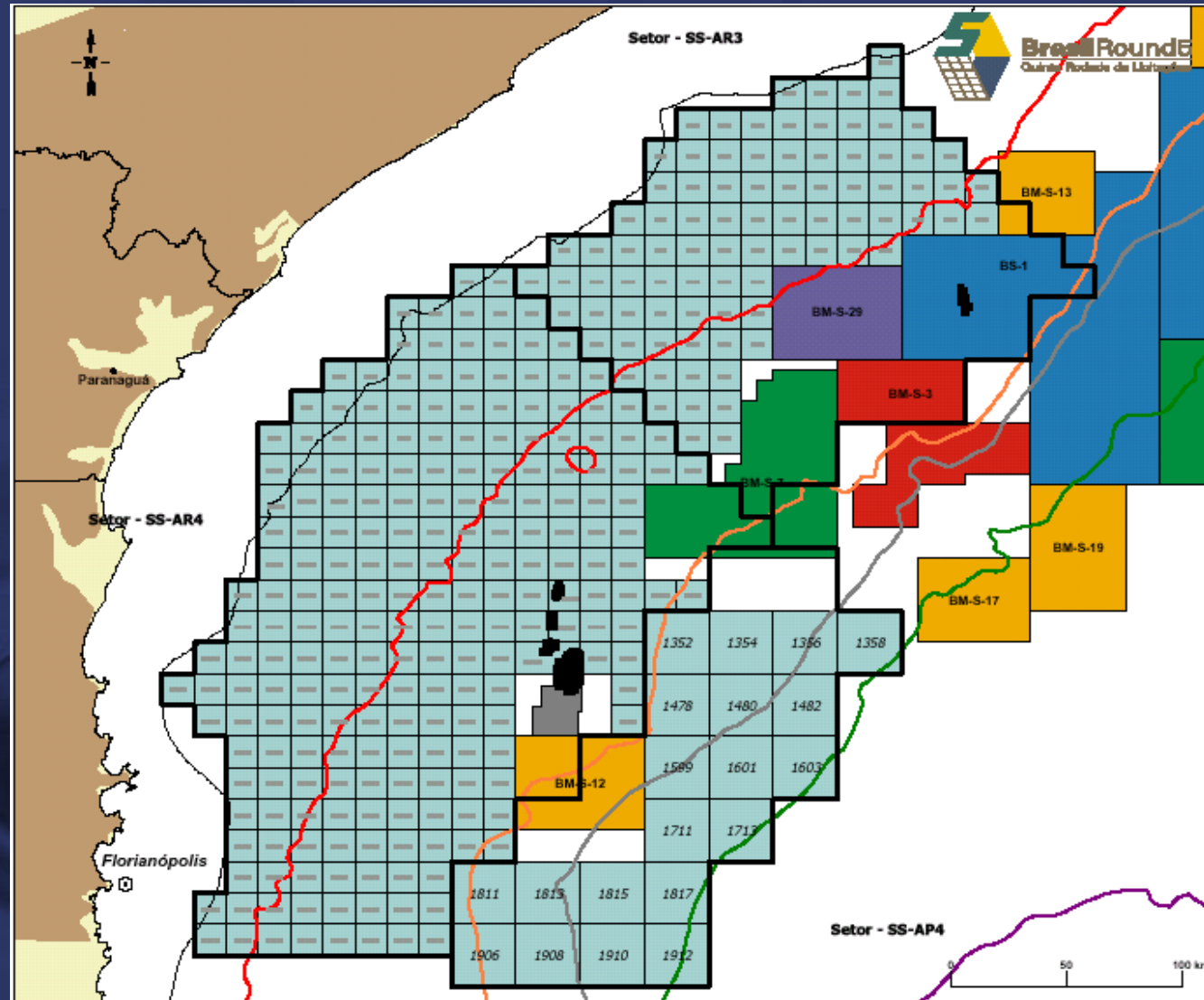
Pelotas Basin

- Non-Productive
- 1 Sector
 - deep waters
 - 33 blocks
 - 21,360 km²
- Rio Grande Cone
- Tertiary Turbidites
 - Fm. Imbé
- Shale sliding
- Gas hydrates



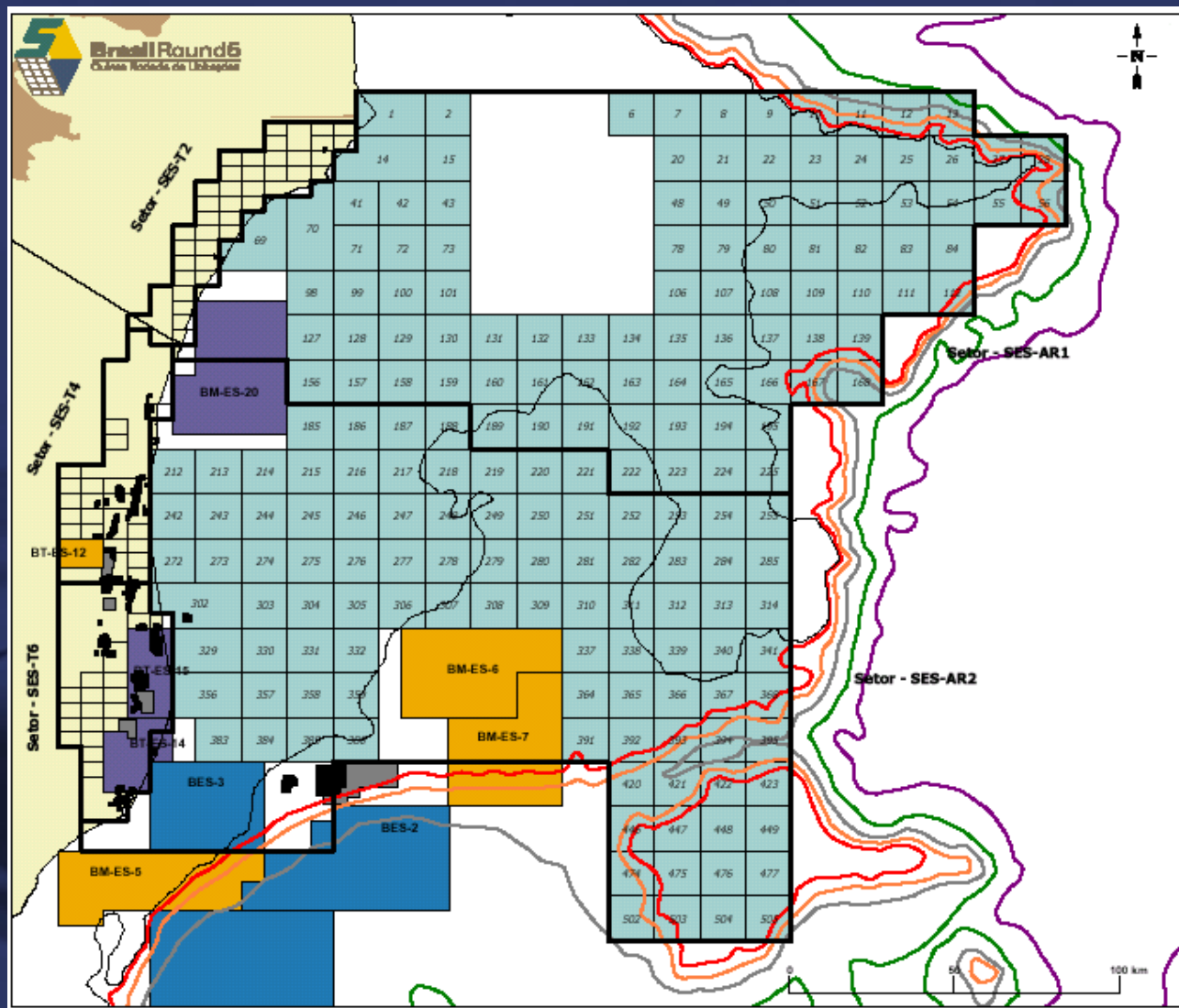
Santos Basin

- 2,500 boe/day
- 2 Sectors
 - shallow waters
 - 306 blocks
 - 52,946 km²
- Albian
Carbonates
- Sandstones
- 1 Sector
 - Deep waters
 - 20 blocks
 - 13,715 km²
- Turbidites
 - Cretaceous
 - Tertiary

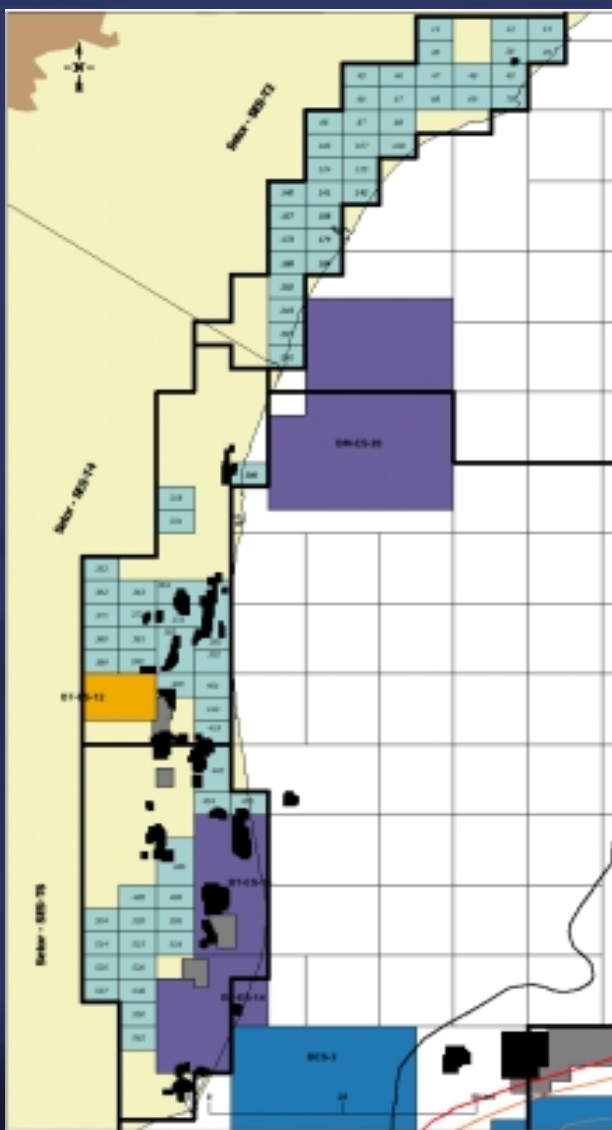


Espírito Santo Basin - Offshore

- Production
- 2 Sectors
 - shallow waters
 - 191 blocks
 - 35,729 km²
- Turbidites
 - Cretaceous
 - Tertiary
- Carbonates
 - Fm. Regência
- Sandstones
 - Fm. São Mateus



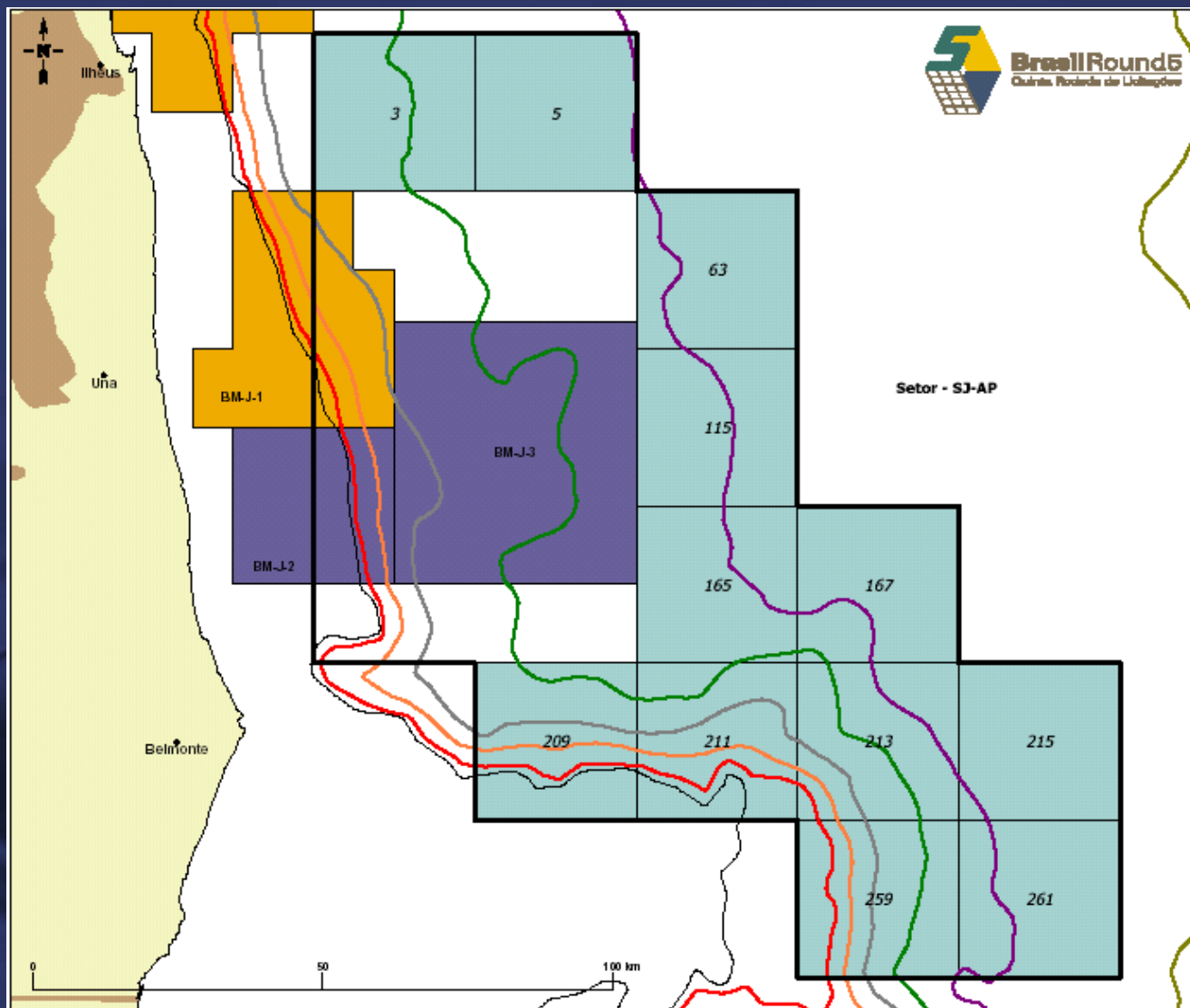
Espírito Santo Basin - Onshore



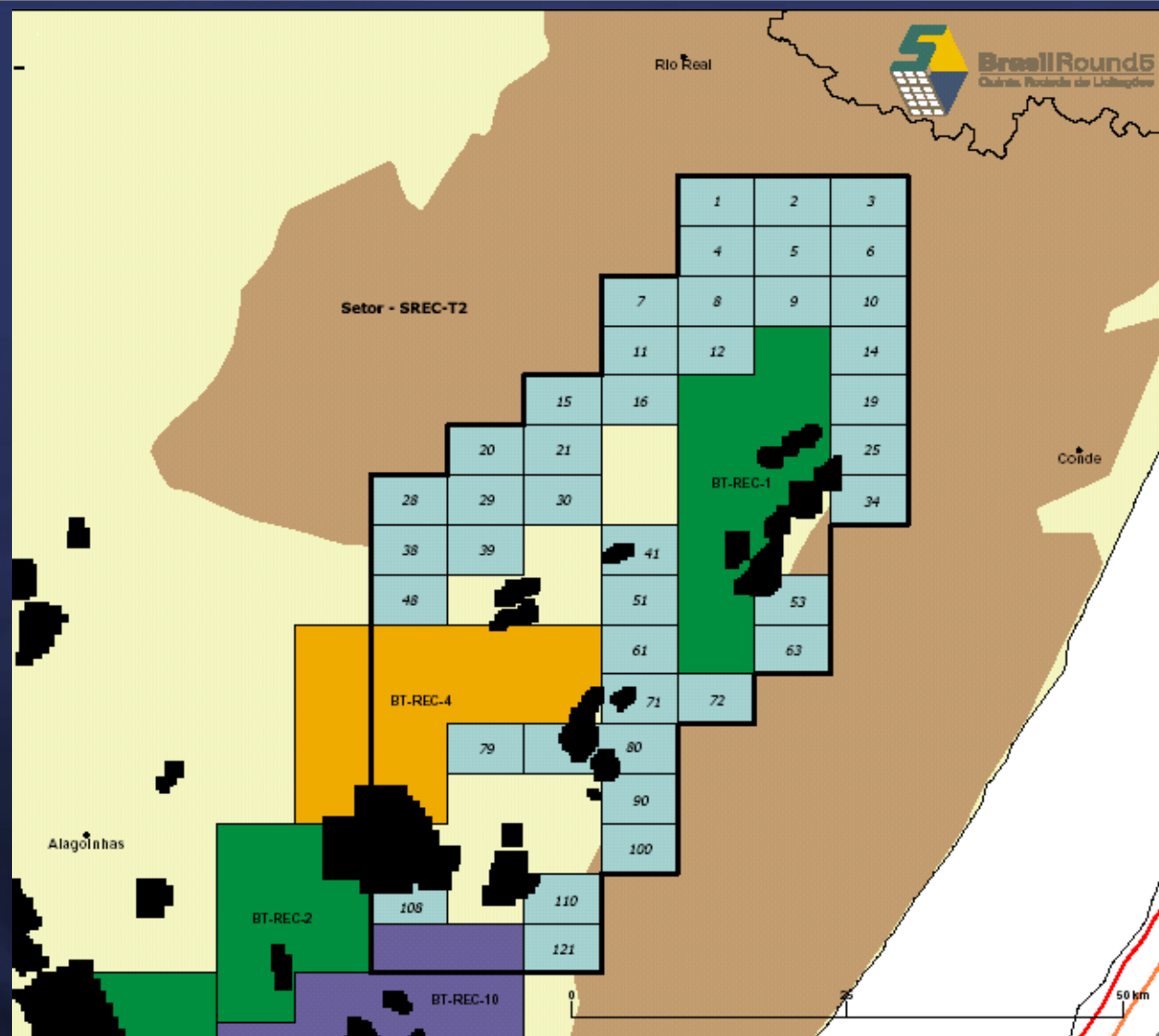
- 26,000 boe/day
- 3 sectors
 - 76 blocks
 - 2,357km²
- Sandstones
 - Fm. Mariricu
 - Gp. Barra Nova
- Turbidites
 - Fm. Urucutuca

Jequitinhonha Basin

- Non-productive
- 1 Sector
 - deep waters
 - 12 blocks
 - 8,900 km²
- Turbidites
 - Cretaceous
 - Tertiary
- Salt Tectonics



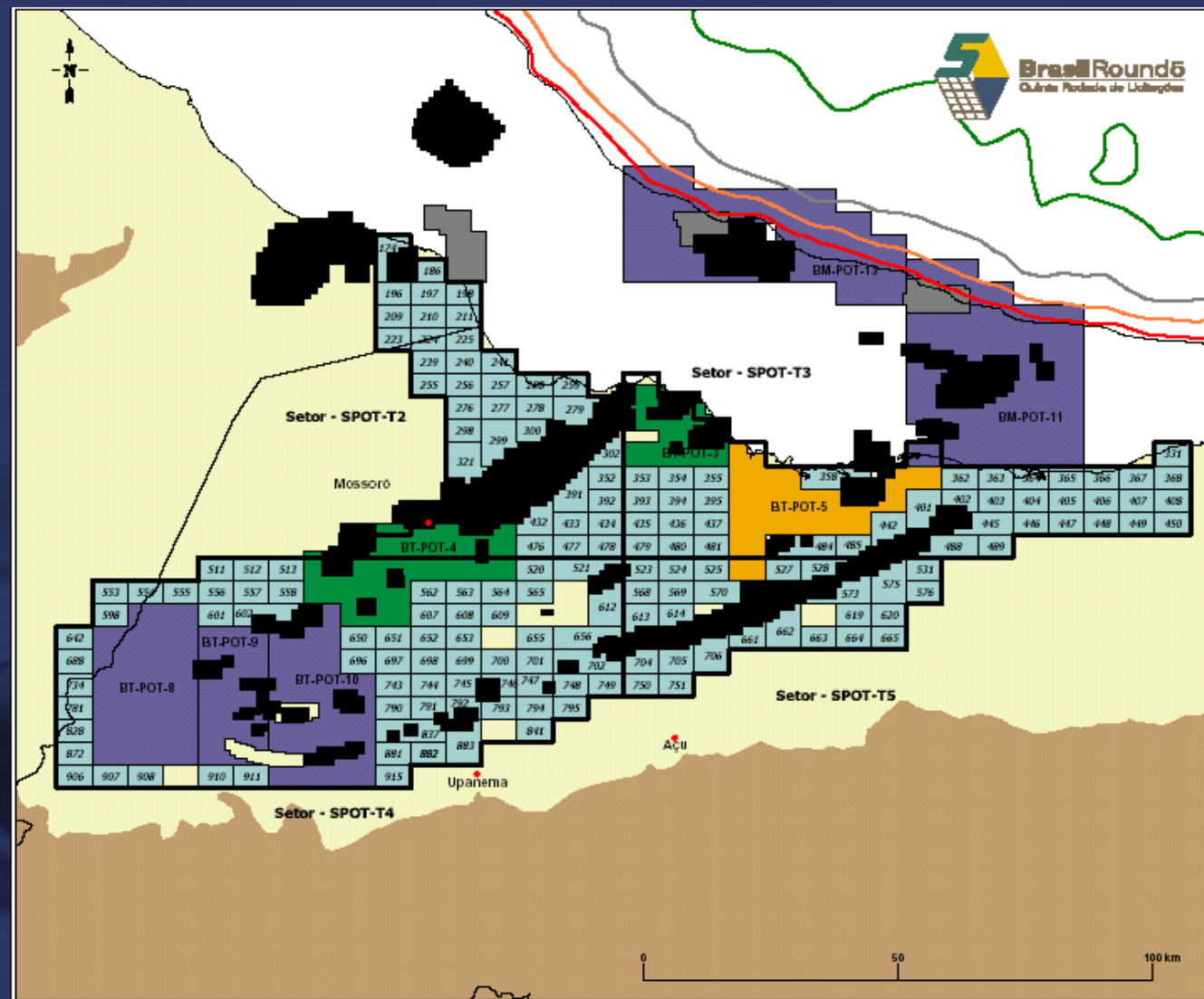
Recôncavo Basin



- 50,000 boe/day
- 1 Sector
 - 41 blocks
 - 1,246 km²
- Pre-Rift
 - Fm. Sergi
 - Fm. Água Grande
- Lacustrine Turbidites
 - Fm. Candeias
- Fluvial-Deltaic Sandstones
 - Fm. Maracangalha
 - Fm. Marfim
 - Fm. Pojuca

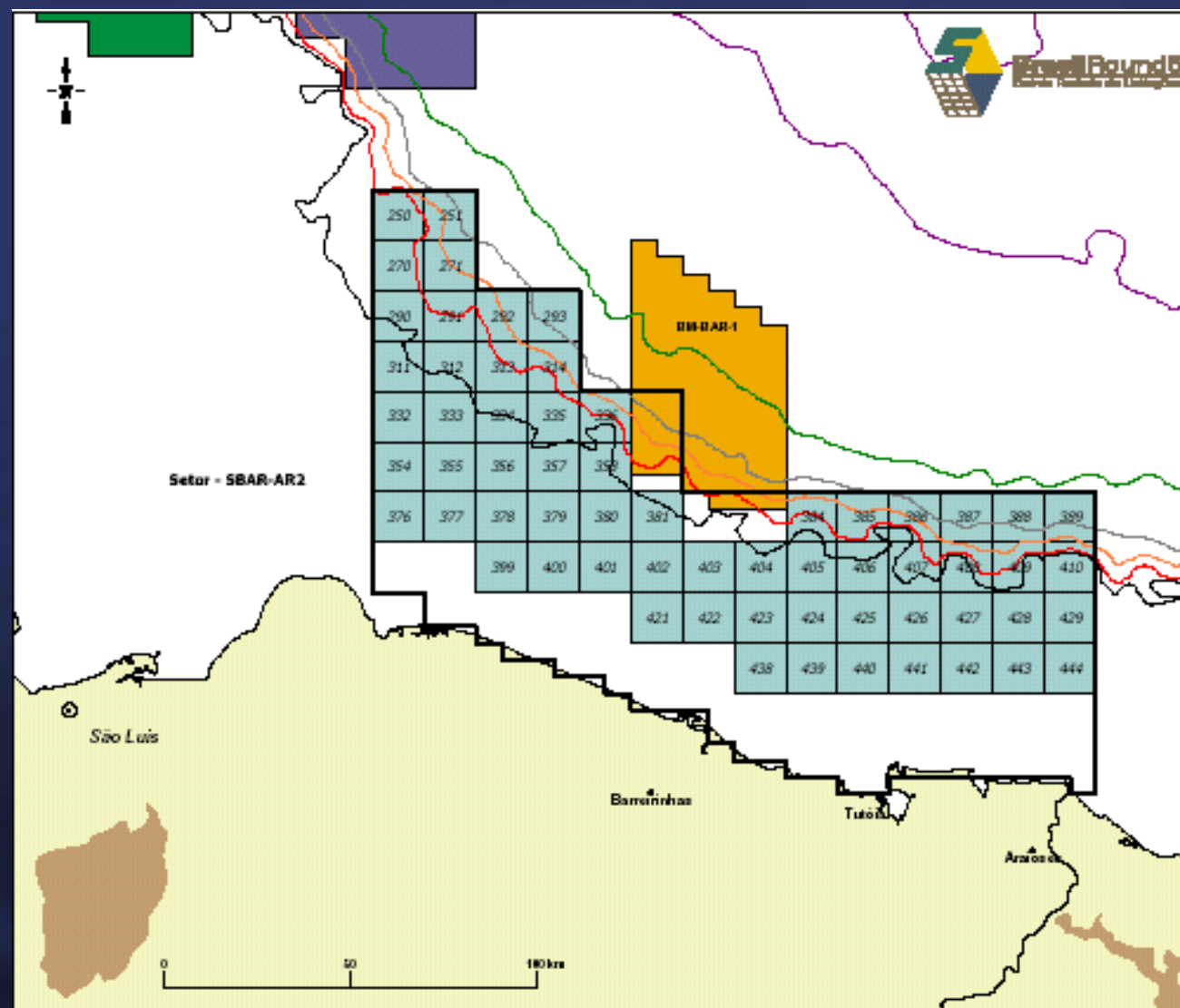
Potiguar Basin

- 70,000 boe/day
- 4 Sectors
 - 165 blocks
 - 5,608 km2
- Trends
- Sandstones
 - Fm. Açú
 - Fm. Pendência
 - Fm. Alagamar
- Traps
 - Structural
 - Stratigraphic
 - Mixed



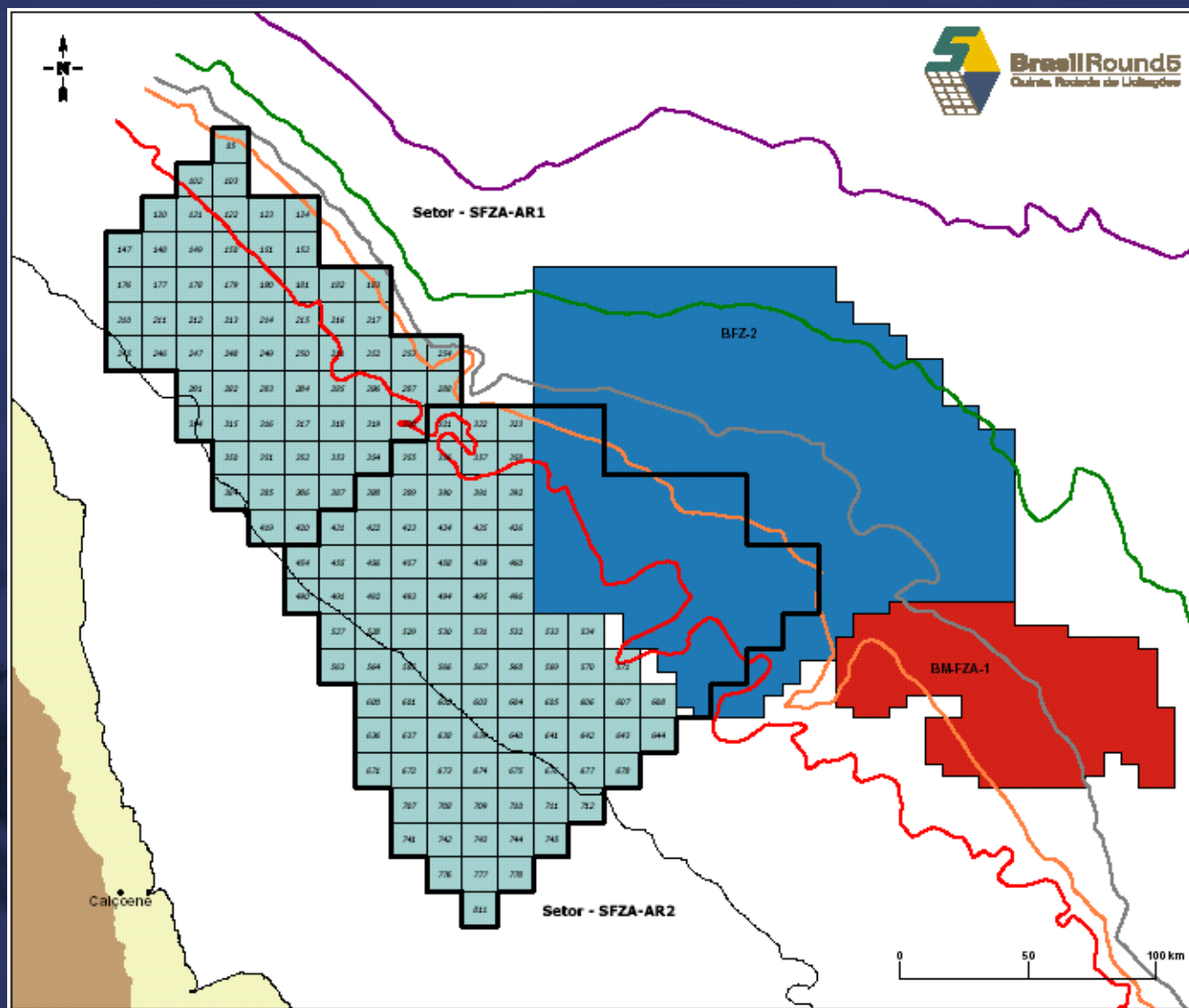
Barreirinhas Basin

- Non-productive
- 1 Sector
 - Shallow waters
 - 62 blocks
 - 11,917 km²
- Sandstones
 - Gp. Canárias



Foz do Amazonas Basin

- Non-productive
- 2 Sectors
 - Shallow waters
 - 156 blocks
 - 29,937 km²
- Rift Clastics
- Carbonates
 - Reefs
- Traps
 - Structural
 - Stratigraphic
 - Canyons



- Onset of a new phase
- Decreasing access restriction to blocks
 - cumulative offer of new sectors
- Flexibility
- Competitiveness and equal conditions
- Diversified offers
 - Onshore, Shallow Waters, Deep Waters
 - Varied Plays
- Significant Potential

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