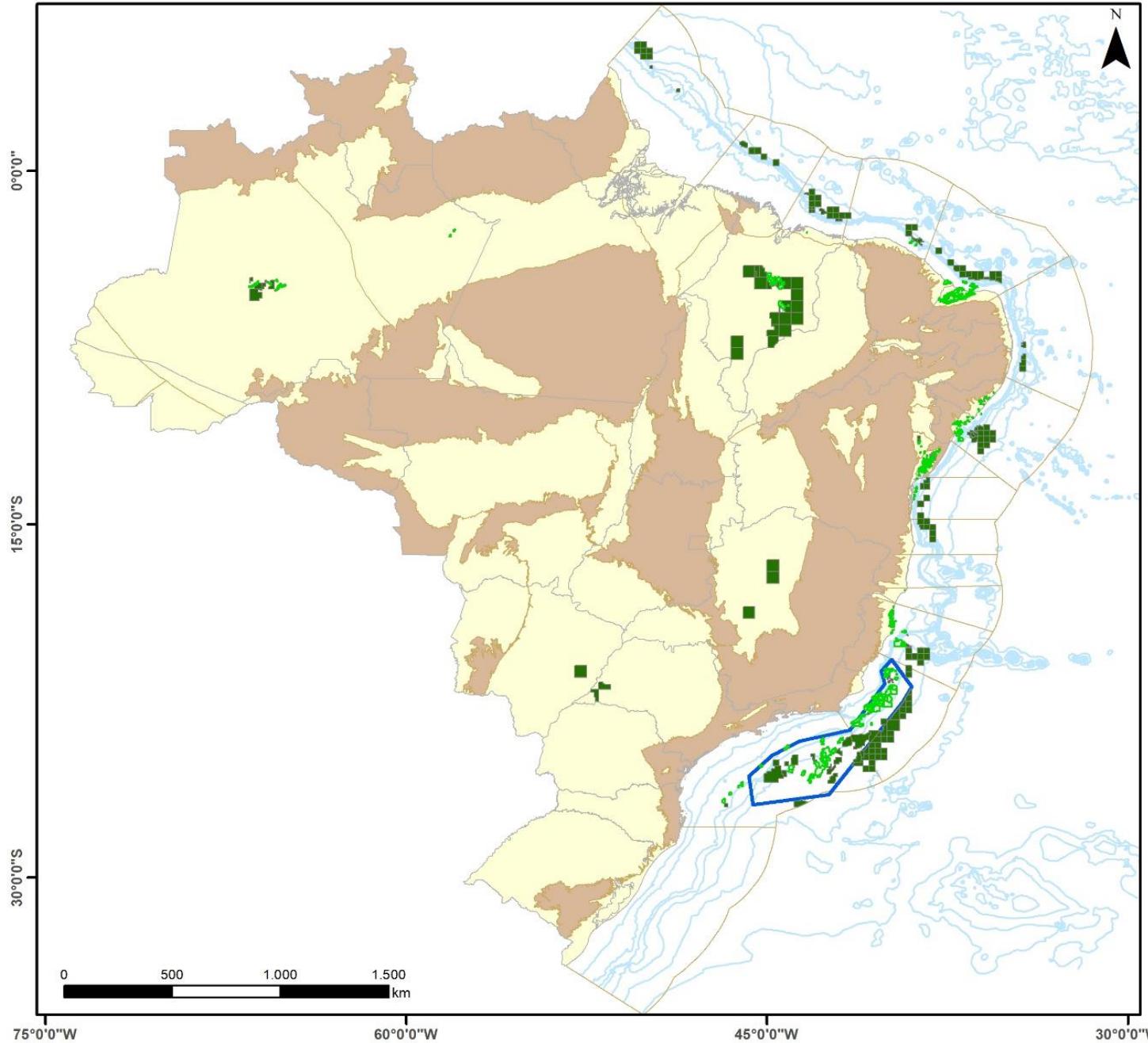




Potencial Petrolífero das Áreas na Oferta Permanente

Ronan Ávila

23/08/2021, Rio de Janeiro



Área Sedimentar
7.5 milhões de km²
< 5% Contratada

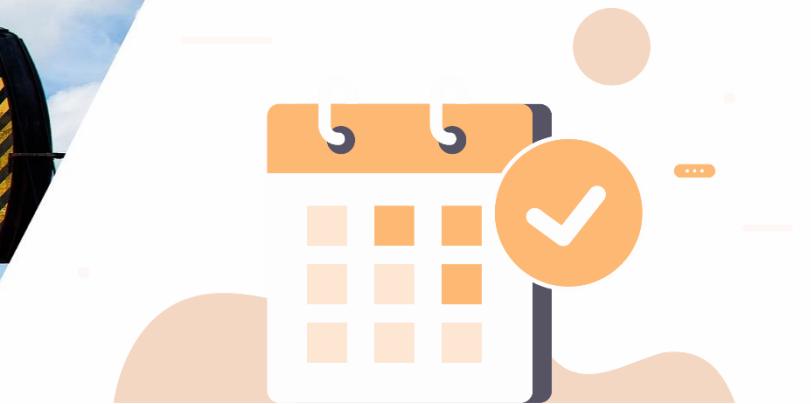
OPORTUNIDADES EM TODOS AMBIENTES

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

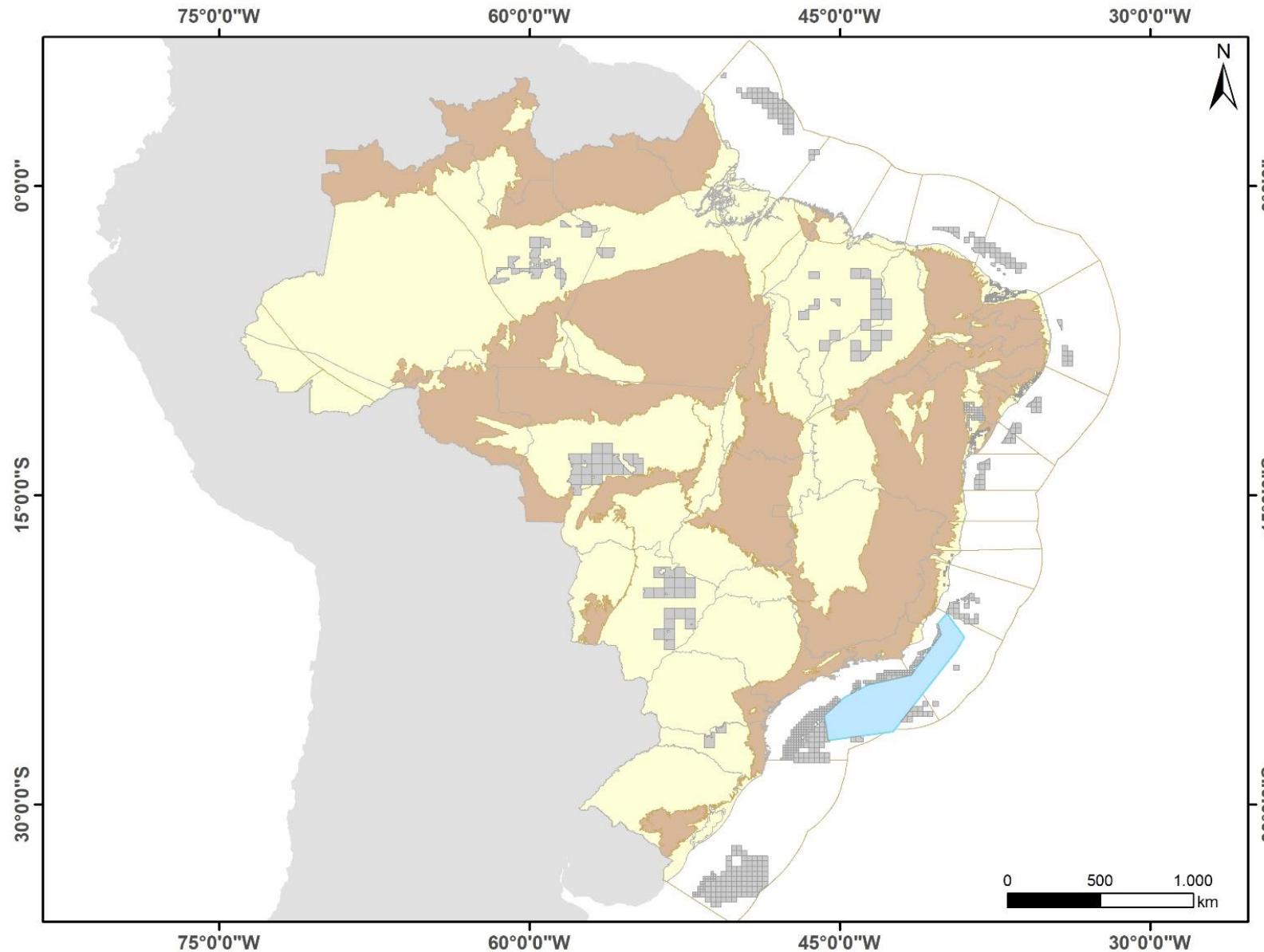
 anp



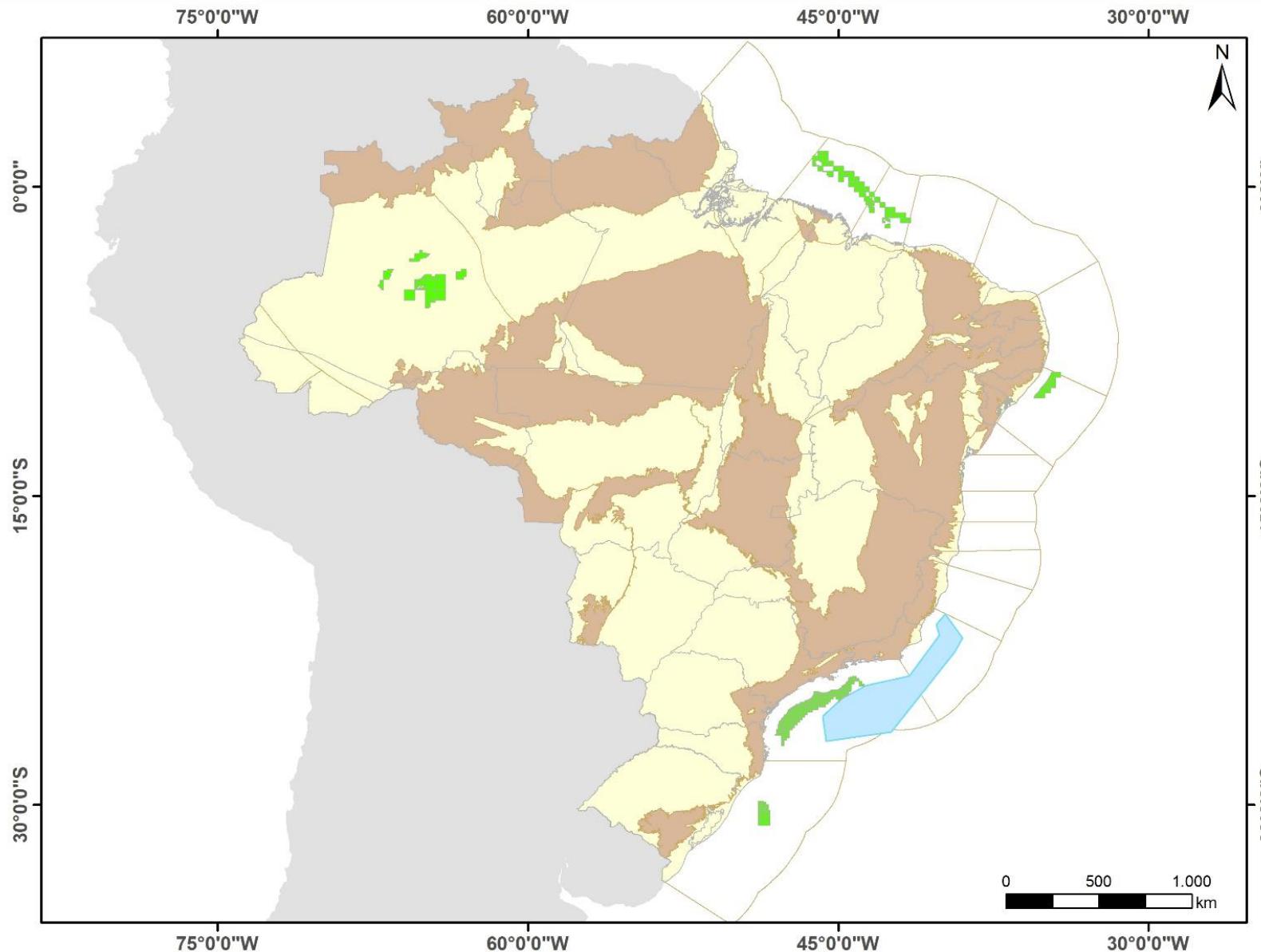
3º CICLO SE INICIARÁ A PARTIR
DA DECLARAÇÃO DE
INTERESSE



BLOCOS EM OFERTA



BLOCOS EM ESTUDO



 Blocos em Estudo

350
Blocos

Terra **78**
Mar **272**

RESOLUÇÃO ANP Nº 837/2021
NOMINAÇÃO DE ÁREAS

Bacias Terrestres

Dados exploratórios públicos
gratuitos, disponíveis e de fácil acesso

<https://reate.cprm.gov.br/anp/>



BACIAS MADURAS TERRESTRES



**Boas condições de infraestrutura e avançado
conhecimento geológico**

**Dados exploratórios públicos gratuitos,
disponíveis e de fácil acesso**

<https://reate.cprm.gov.br/anp/>

Bônus de assinatura mínimo (R\$ 50.000)

Descobertas recentes reportadas

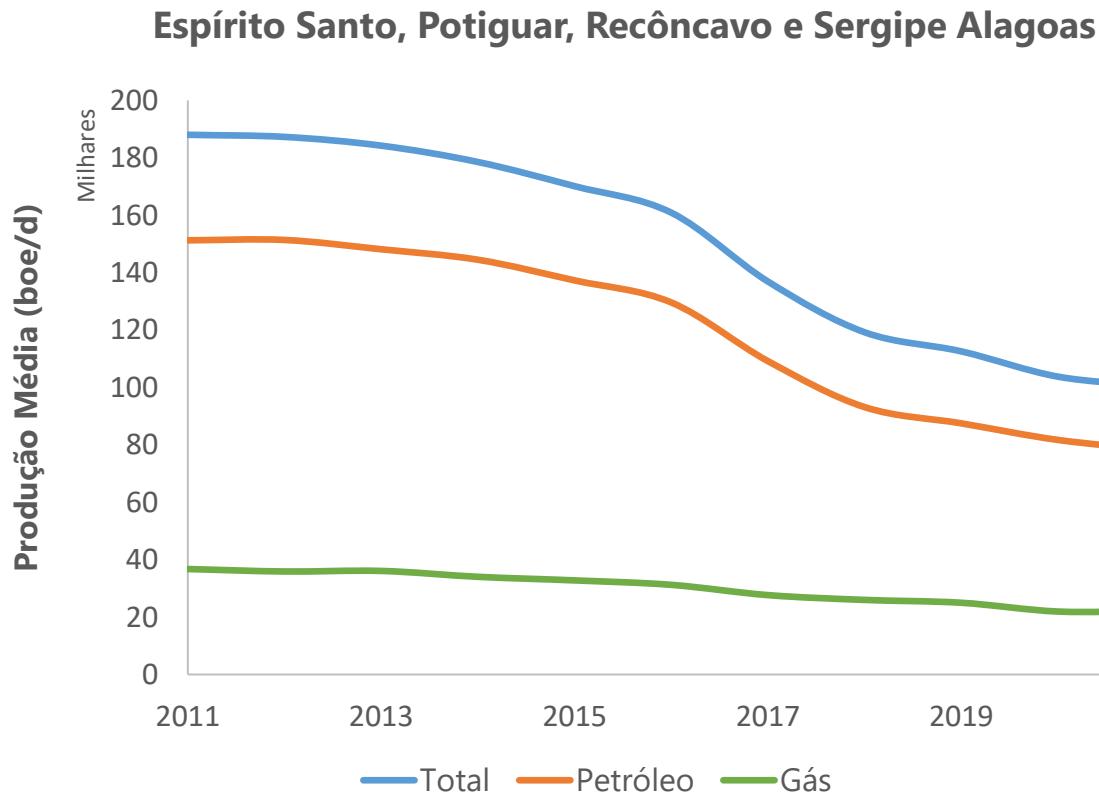
Desinvestimento (BR)

Oferta Permanente (ANP), < Royalties, etc.

BACIAS MADURAS TERRESTRES

2011 - 2021

▼ 47%



PRODUÇÃO NA ÚLTIMA DÉCADA (TOTAL DAS BACIAS MADURAS)

Gás

3,1

Milhões m³/dia

▼ 40%

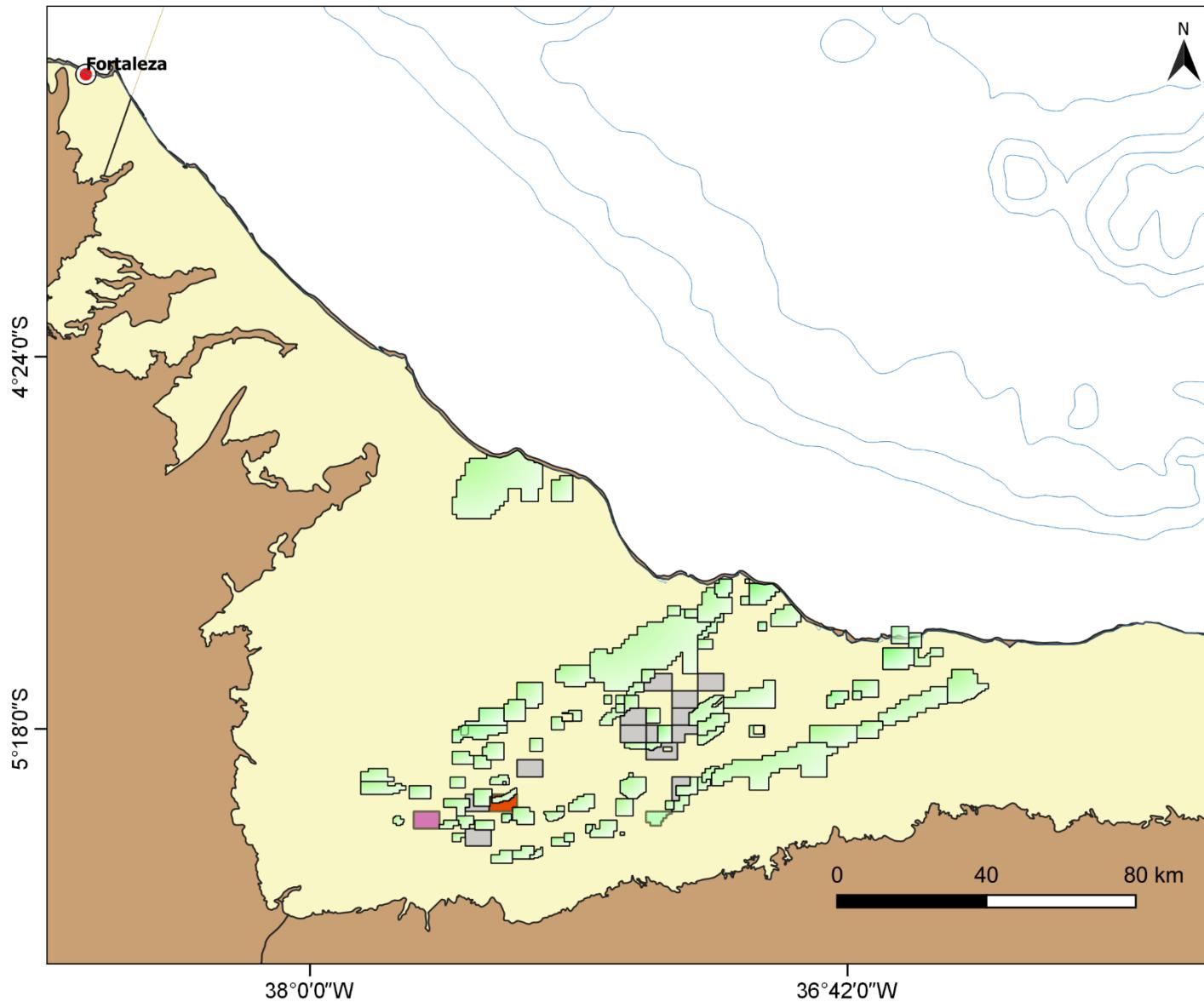
Petróleo

70

Mil bbl/dia

▼ 48%

BACIA DE POTIGUAR - TERRA



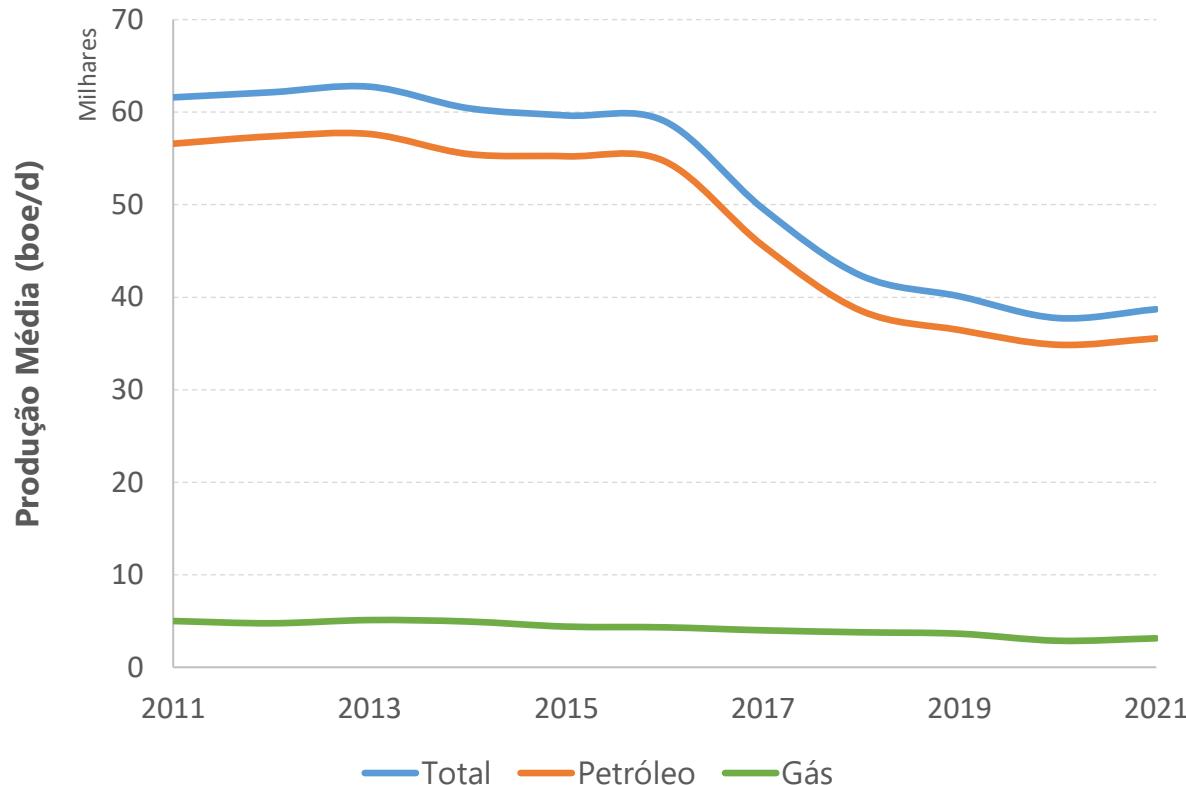
Blocos em concessão

- R7
- R13
- R14
- 1º e 2º Ciclo Oferta Permanente
- Campos em Produção



BACIA DE POTIGUAR - TERRA

2011 - 2021  37%



PRODUÇÃO NA ÚLTIMA DÉCADA (BACIA DE POTIGUAR TERRA)

Gás

477

Mil m³/dia

Petróleo

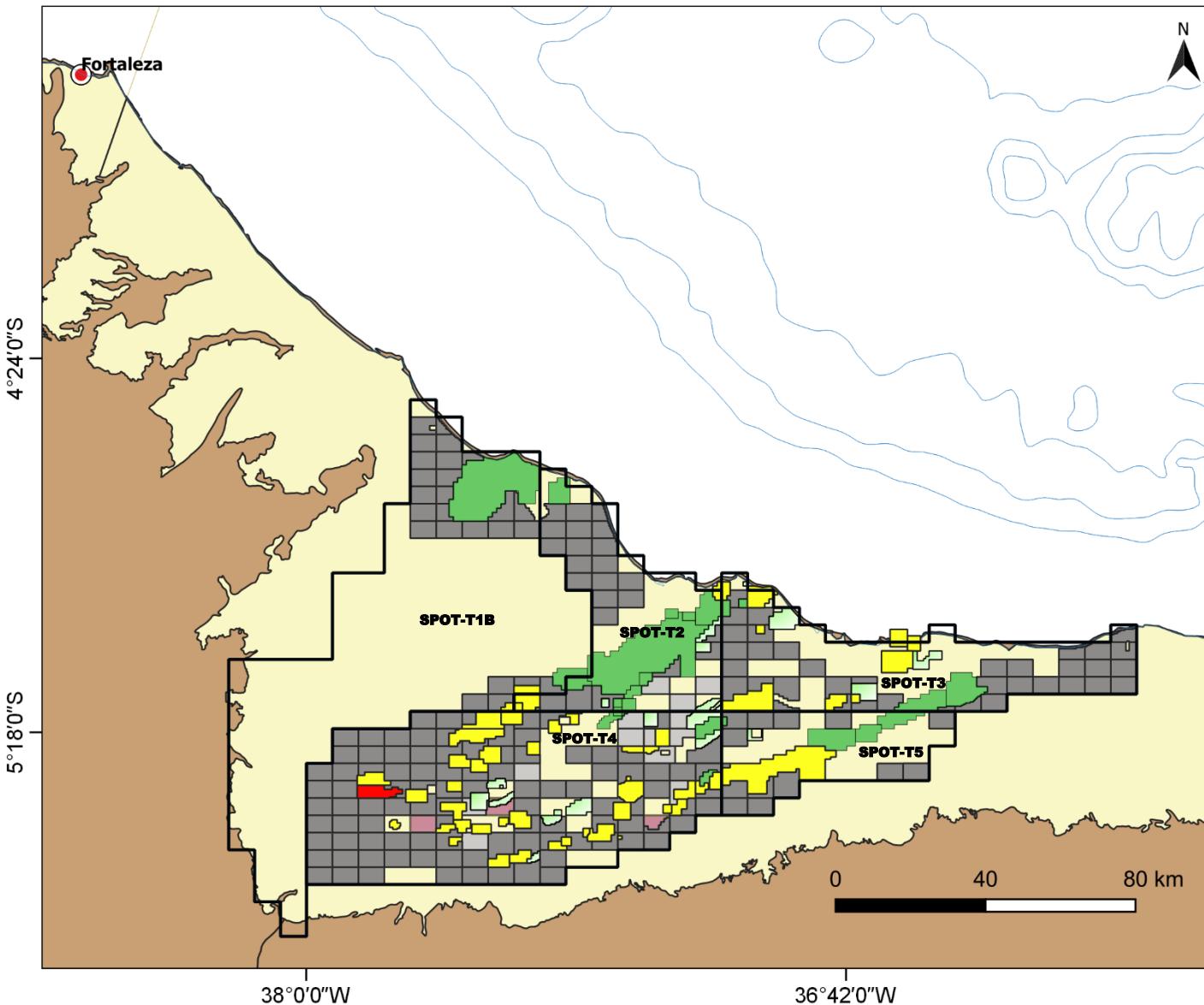
36

Mil bbl/dia

▼ 37%

▼ 37%

BACIA DE POTIGUAR - TERRA



 **Blocos em Oferta**

 **Blocos em concessão**

R7/ R13/ R14

 1º e 2º Ciclo Oferta Permanente

 **Campos em Produção**

 Acum. Marg. Oferta Permanente

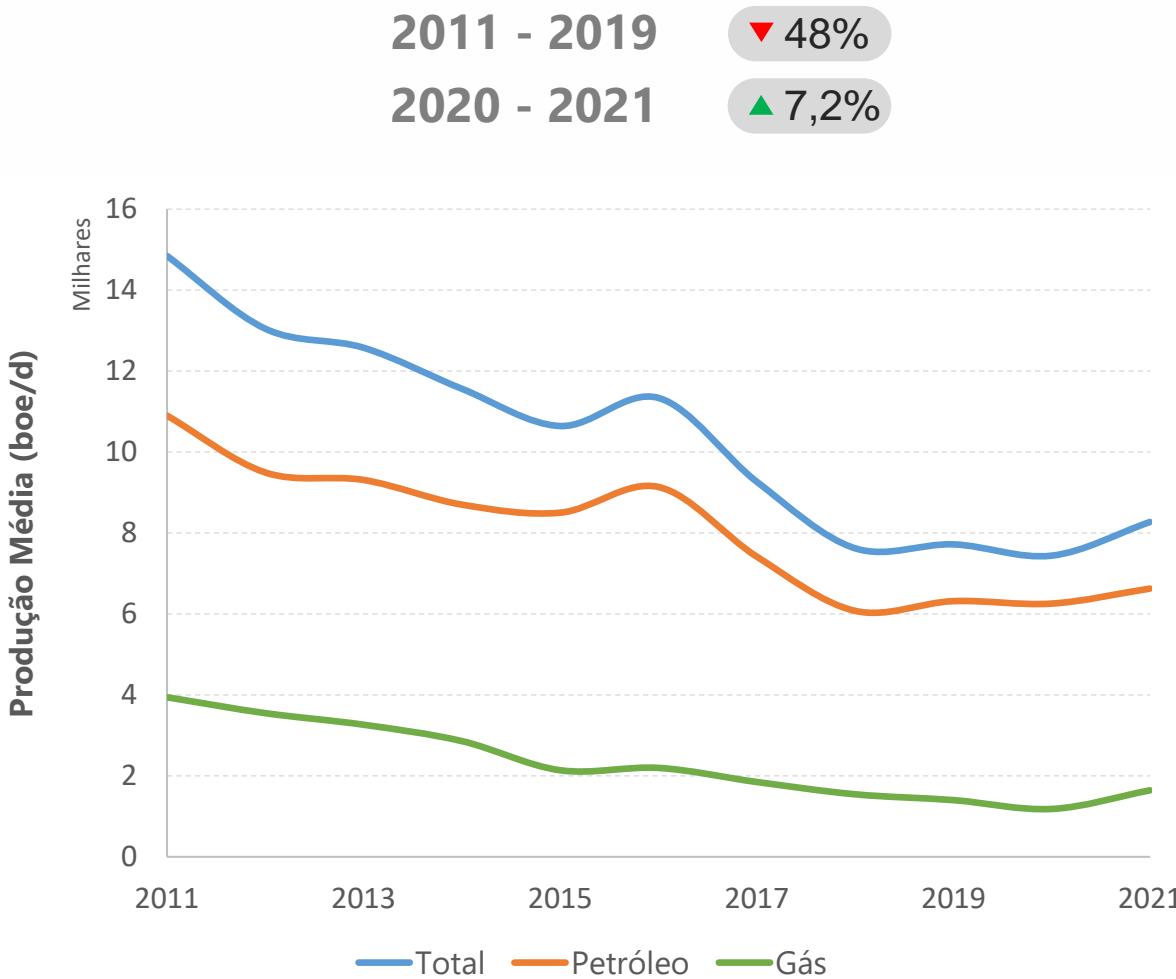
Desinvestimento BR

 Teaser BR

 Cedidos à outras empresas



BACIA DE POTIGUAR - Polo Riacho de Forquilha



2019

Gás

213

Mil m³/dia

Petróleo

6,3

Mil bbl/dia

2021

Gás

250

Mil m³/dia

Petróleo

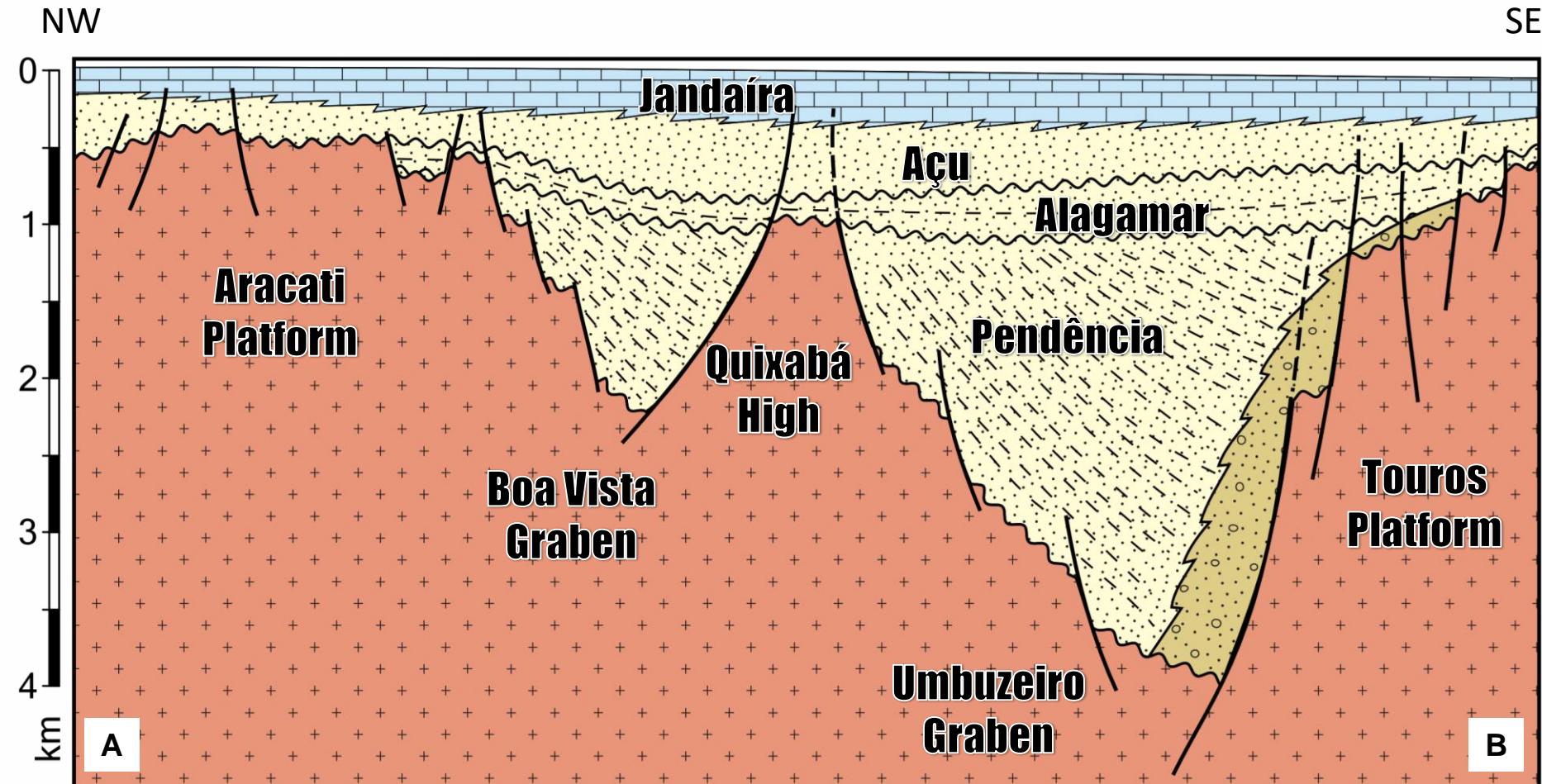
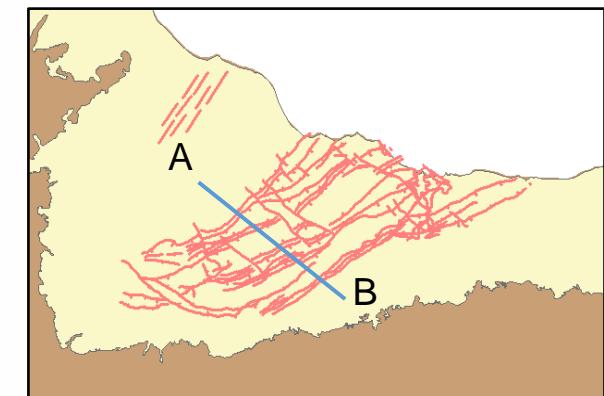
6,6

Mil bbl/dia

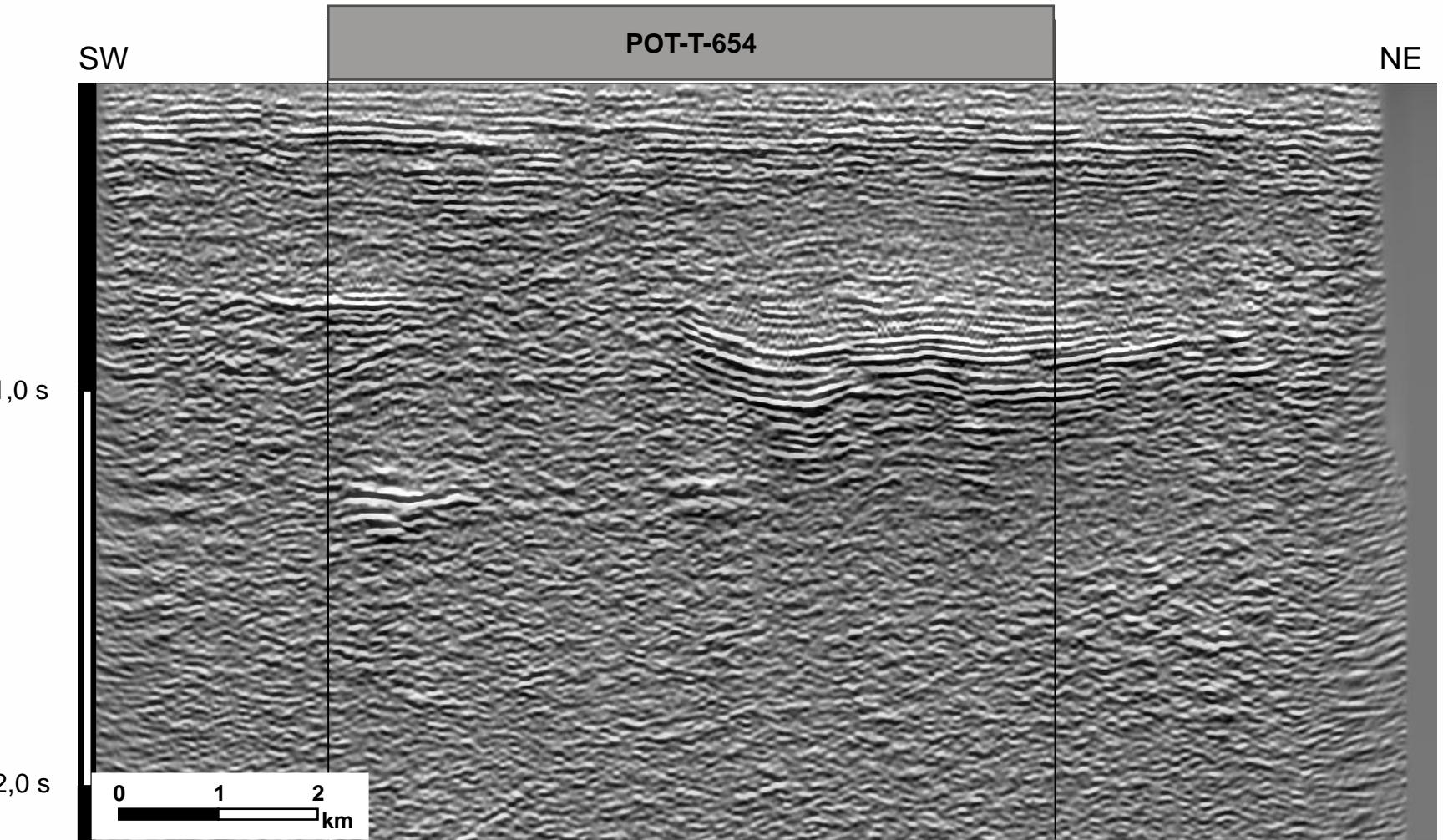
 17%

 5%

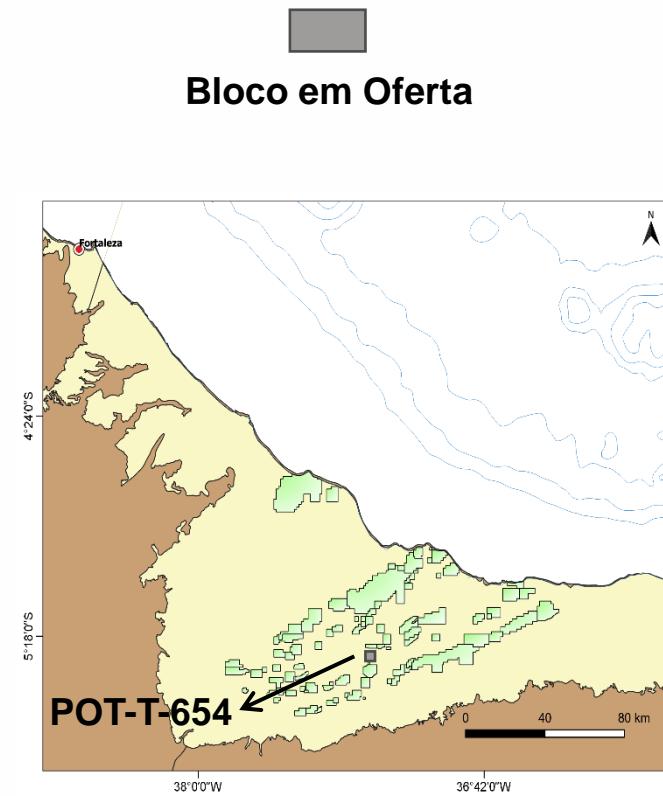
POT – SEÇÃO GEOLÓGICA ESQUEMÁTICA



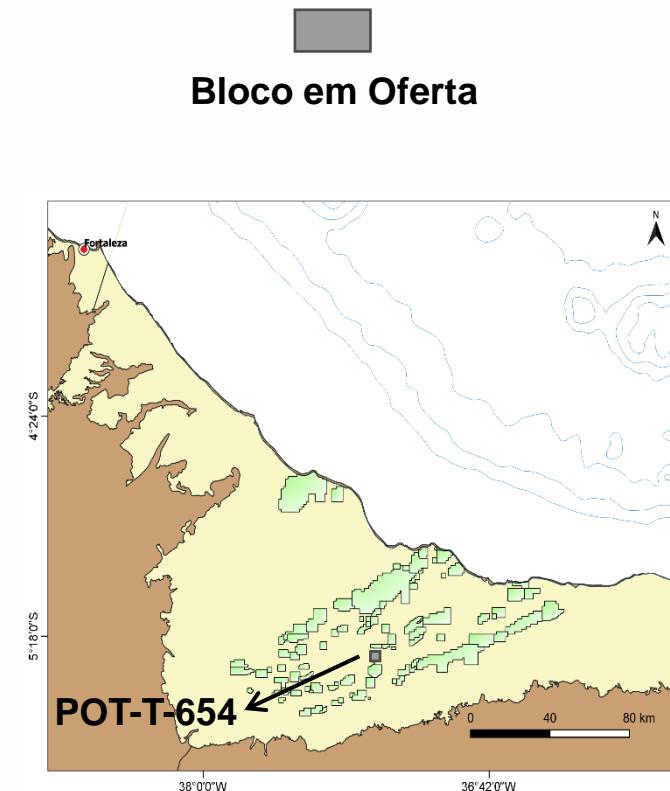
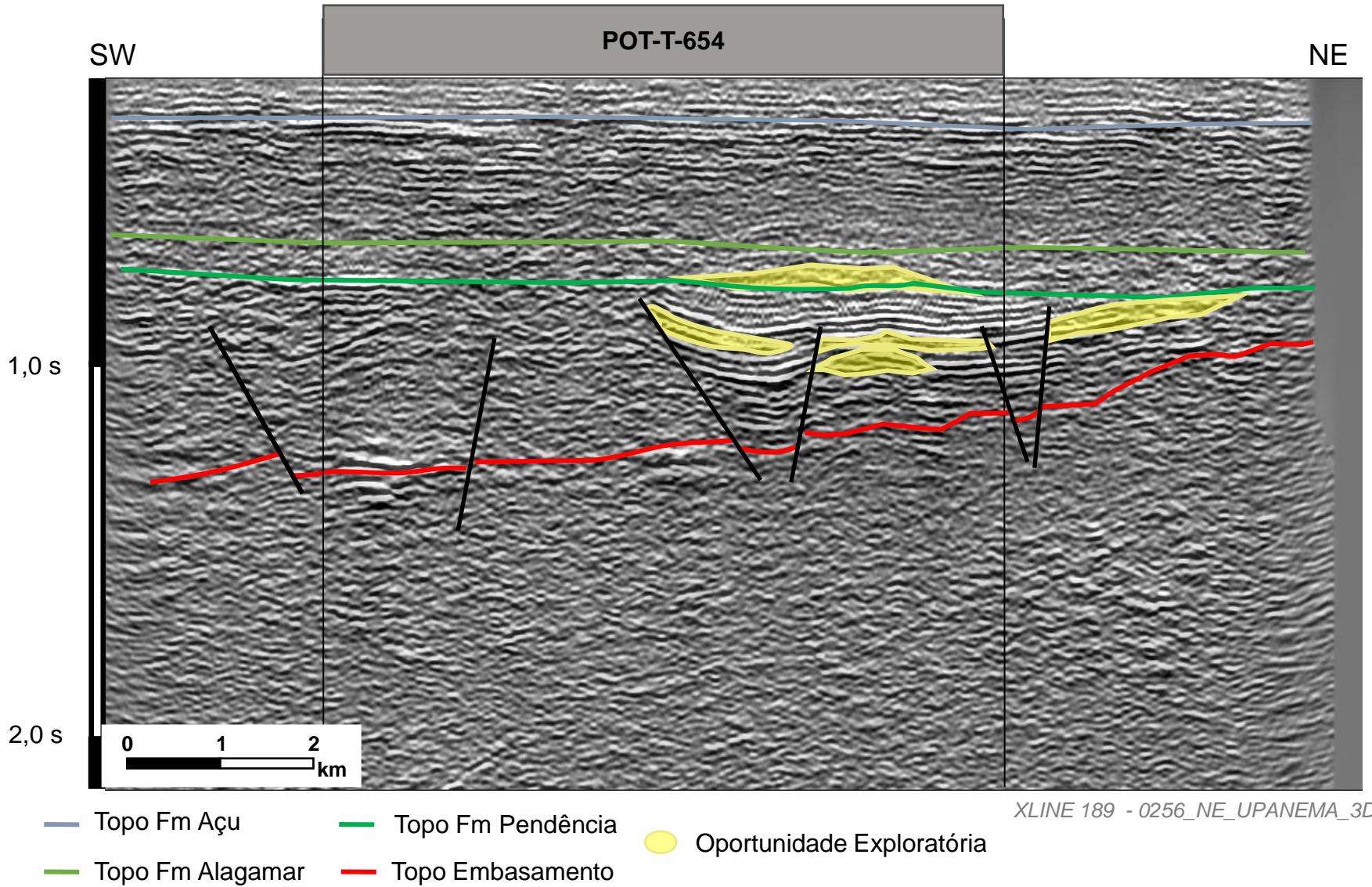
BACIA DE POTIGUAR - TERRA



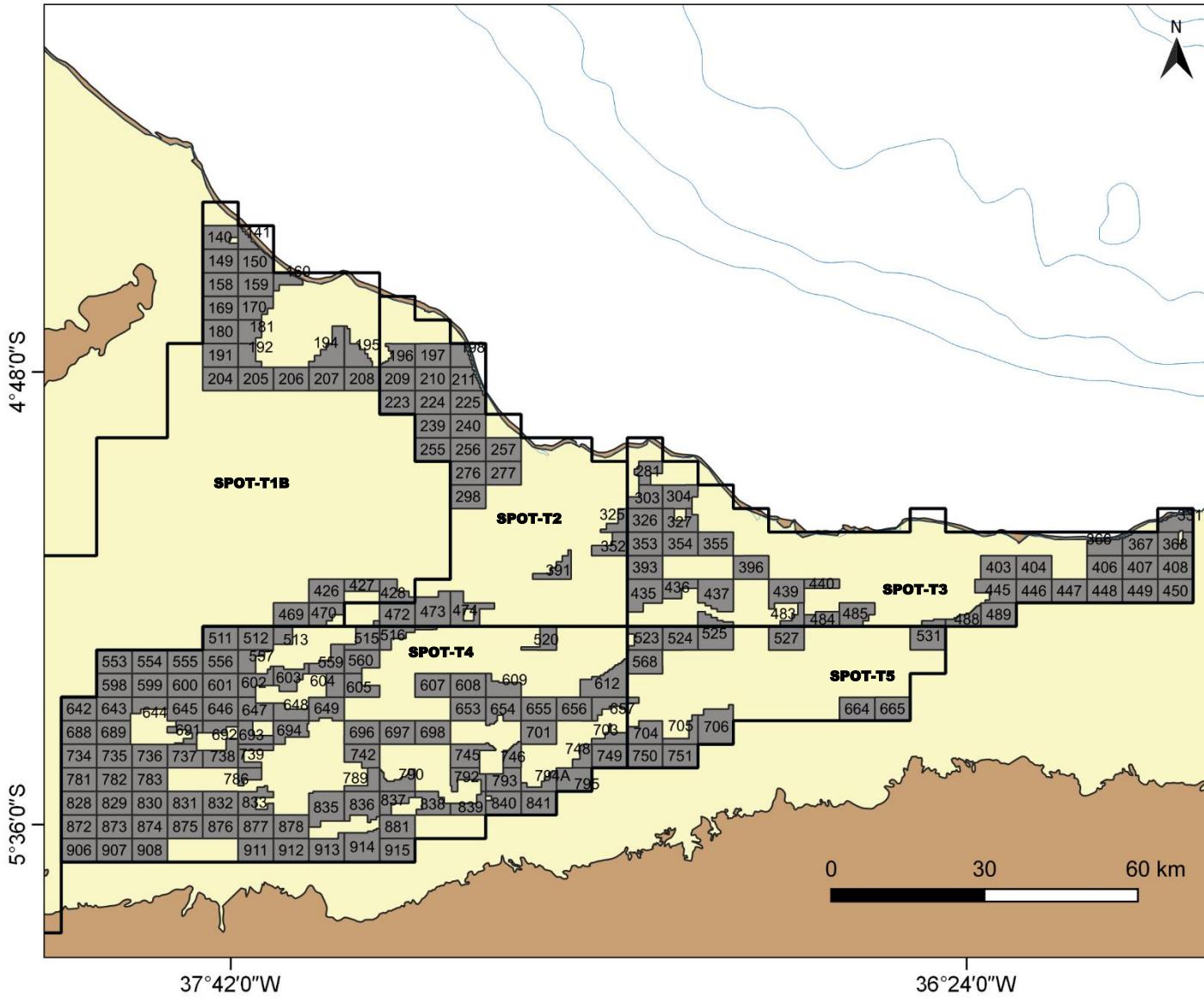
XLINE 189 - 0256_NE_UPANEMA_3D



BACIA DE POTIGUAR - TERRA

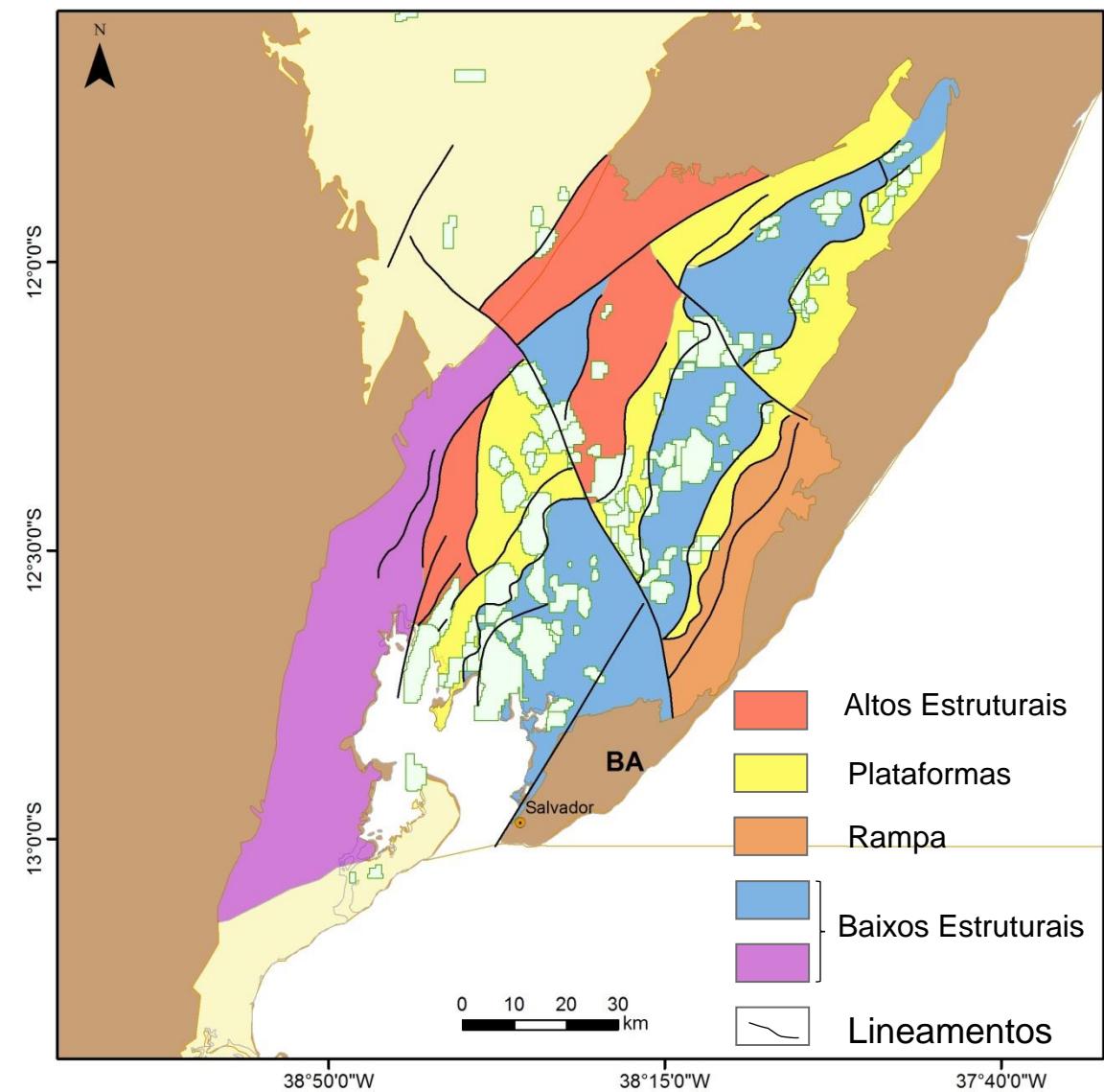


BACIA DE POTIGUAR - TERRA

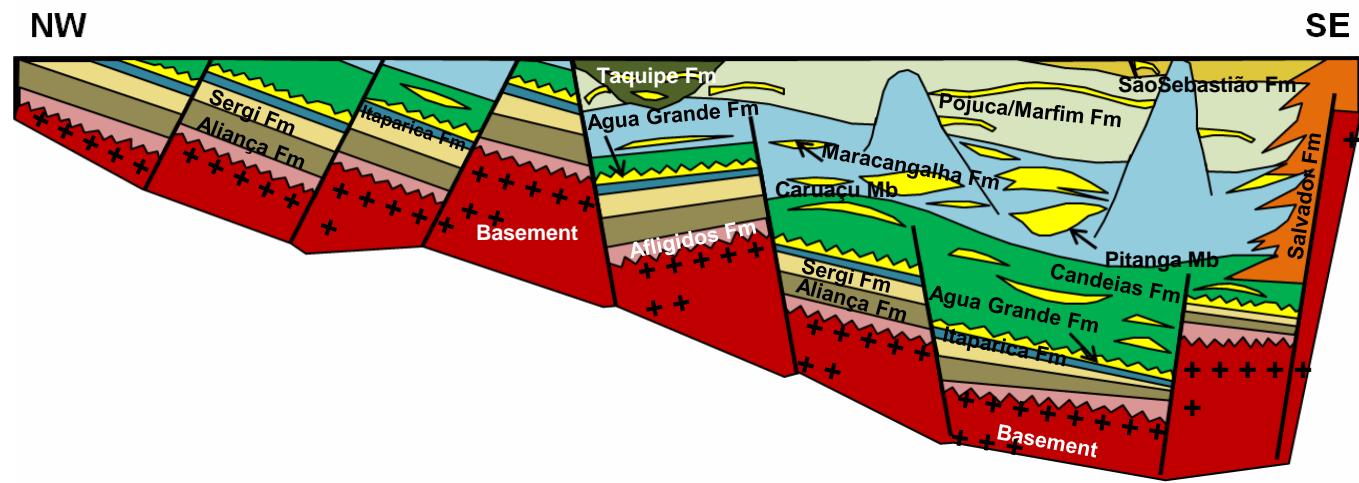


201 Blocos em Oferta

BACIA DO RECÔNCAVO

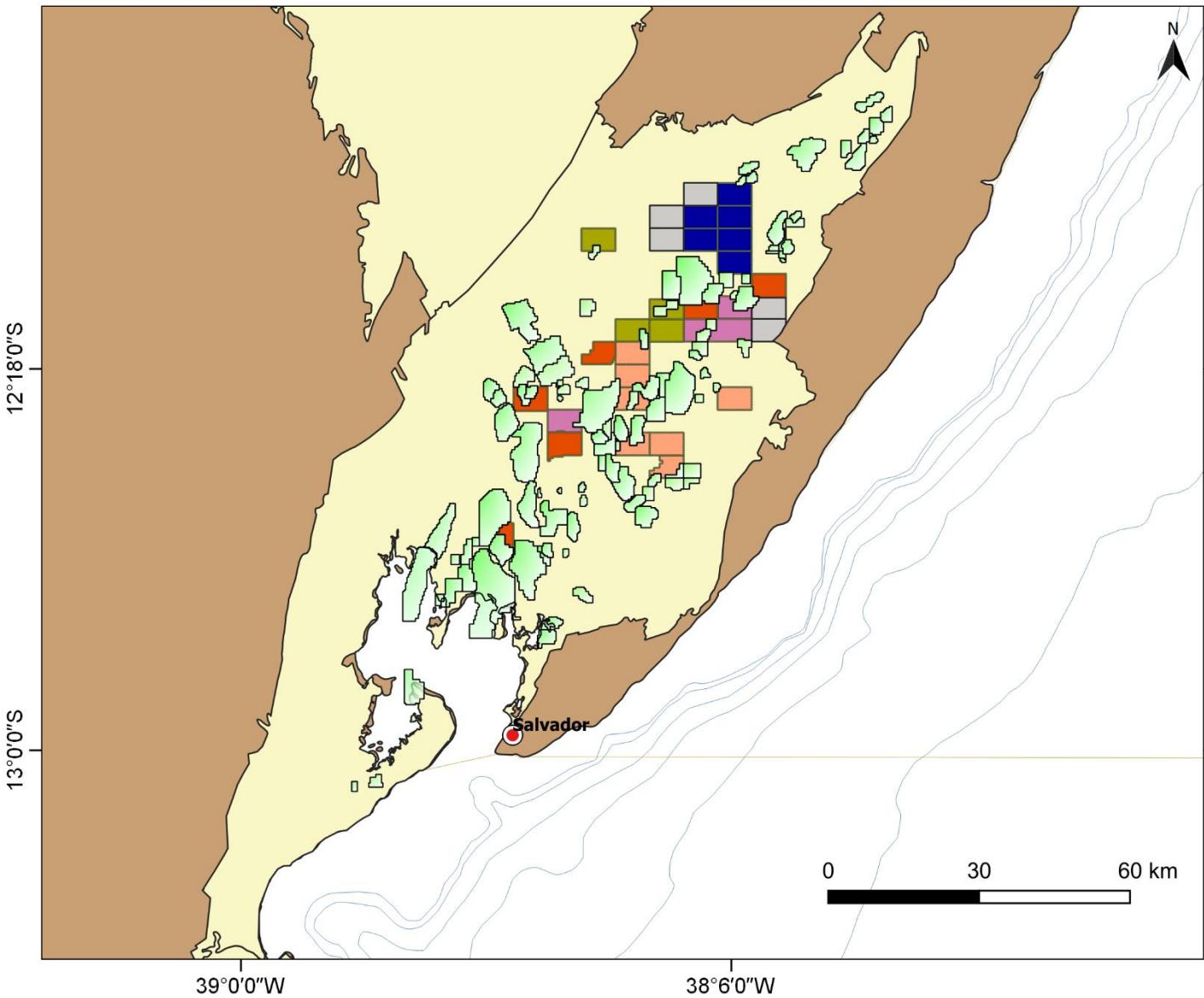


Seção Geológica Esquemática



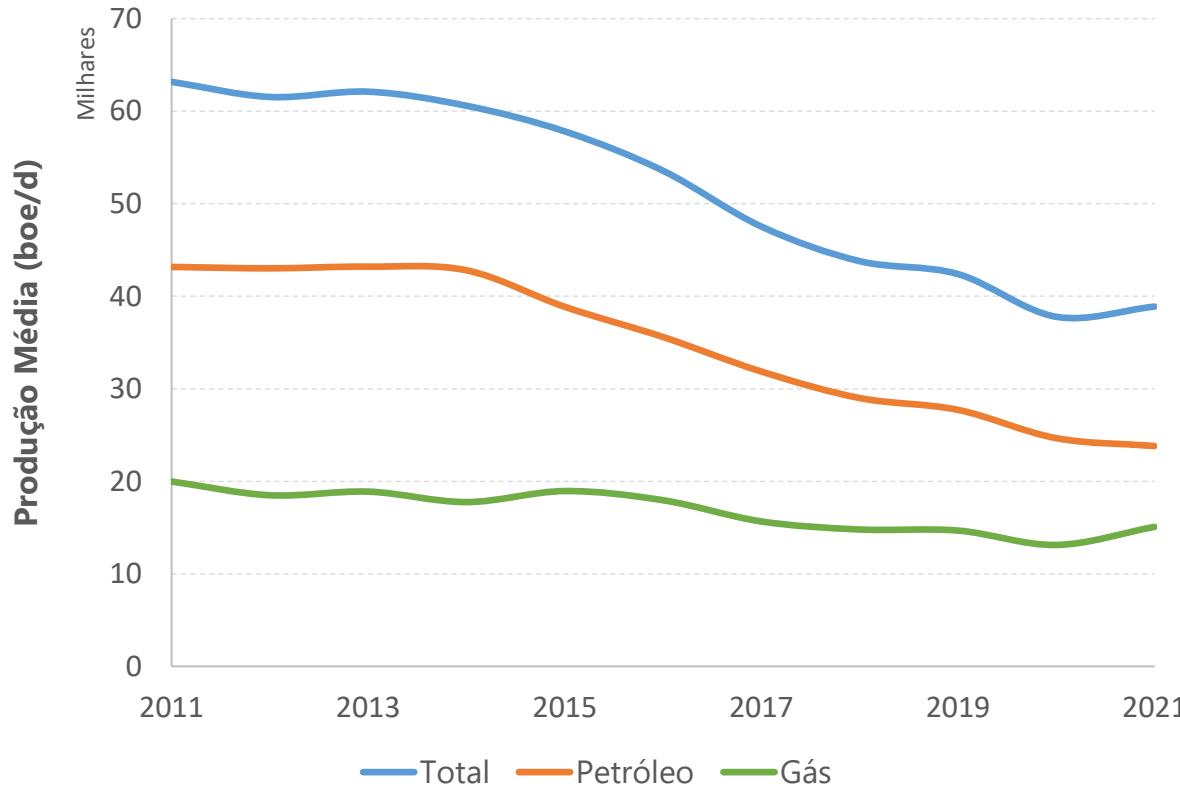
Source: Milhomem et al., 2003

BACIA DO RECÔNCAVO



BACIA DO RECÔNCAVO

2011 - 2021  38%



PRODUÇÃO NA ÚLTIMA DÉCADA (BACIA DO RECÔNCAVO)

Gás

2

Milhões m³/dia

Petróleo

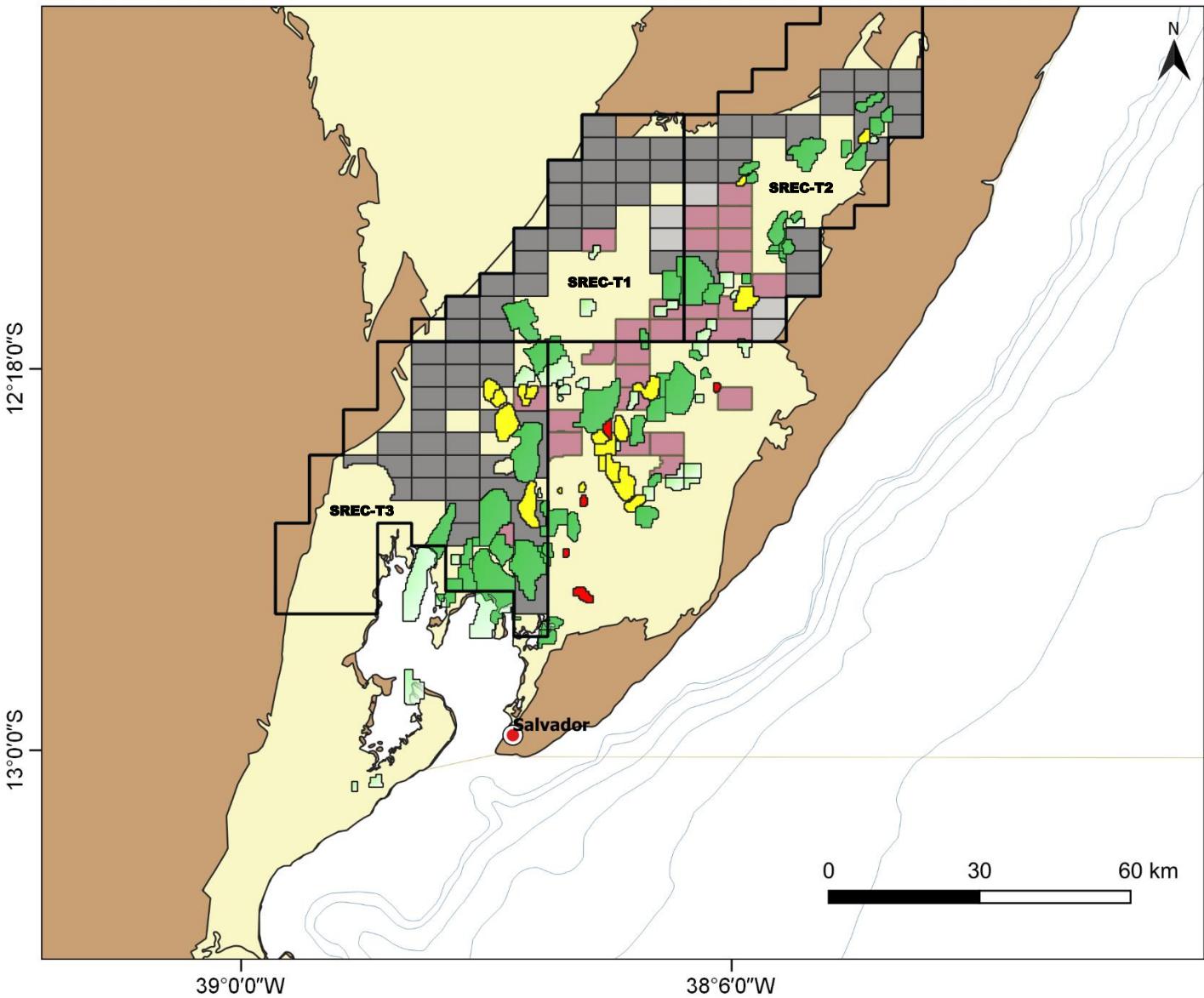
24

Mil bbl/dia

 25%

 45%

BACIA DO RECÔNCAVO



 **Blocos em Oferta**

Blocos em concessão

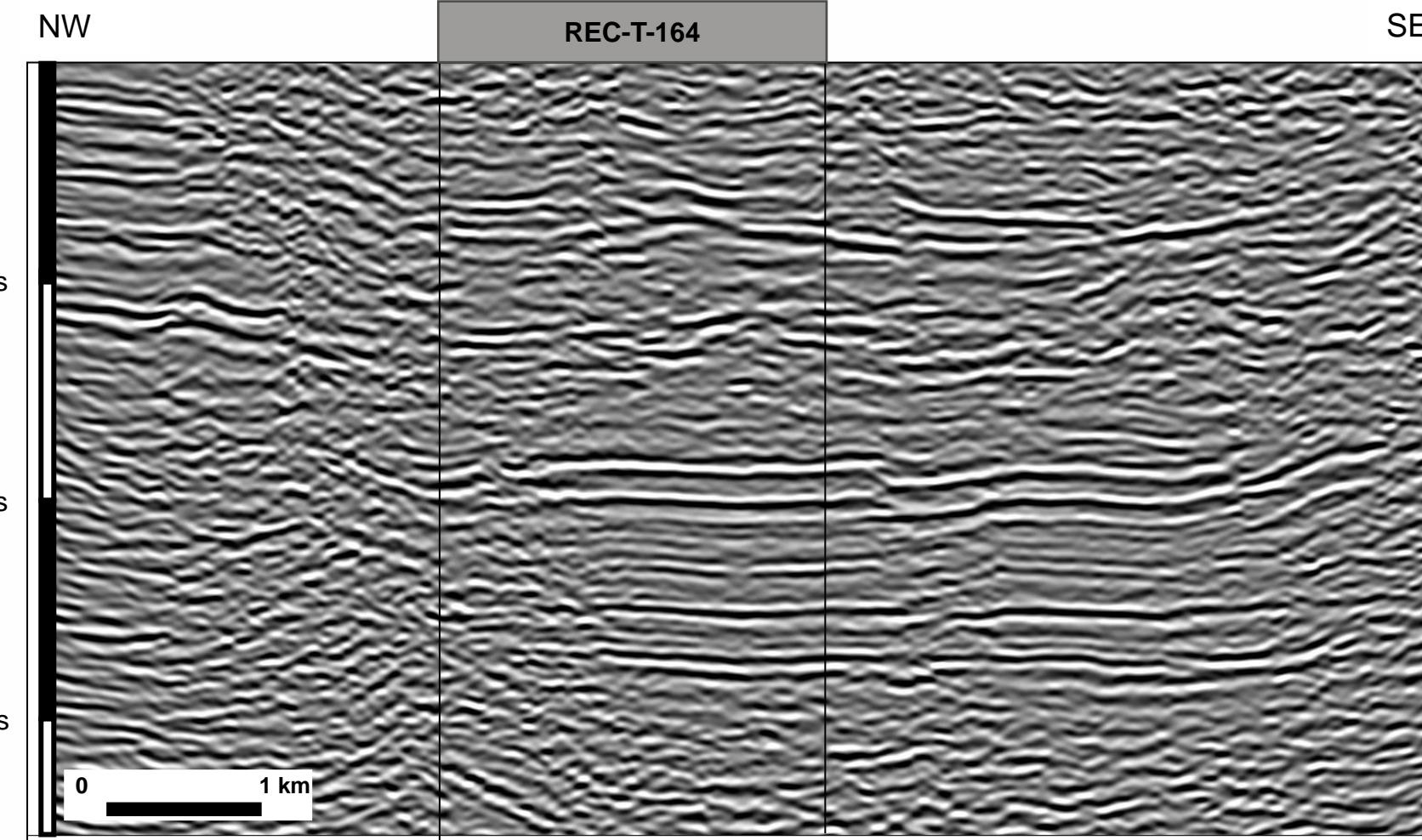
-  R9/ R11/ R12/ R13/ R14
-  1º Ciclo Oferta Permanente

 **Campos em Produção**

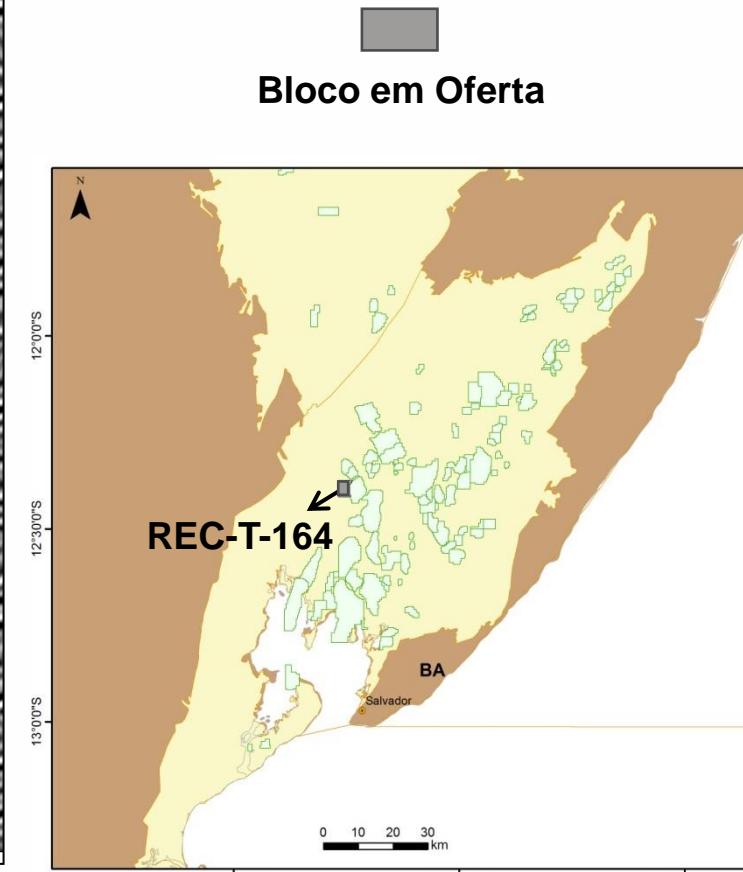
-  Acum. Marg. Oferta Permanente
- Desinvestimento BR*
-  *Teaser BR*
-  *Cedidos à outras empresas*



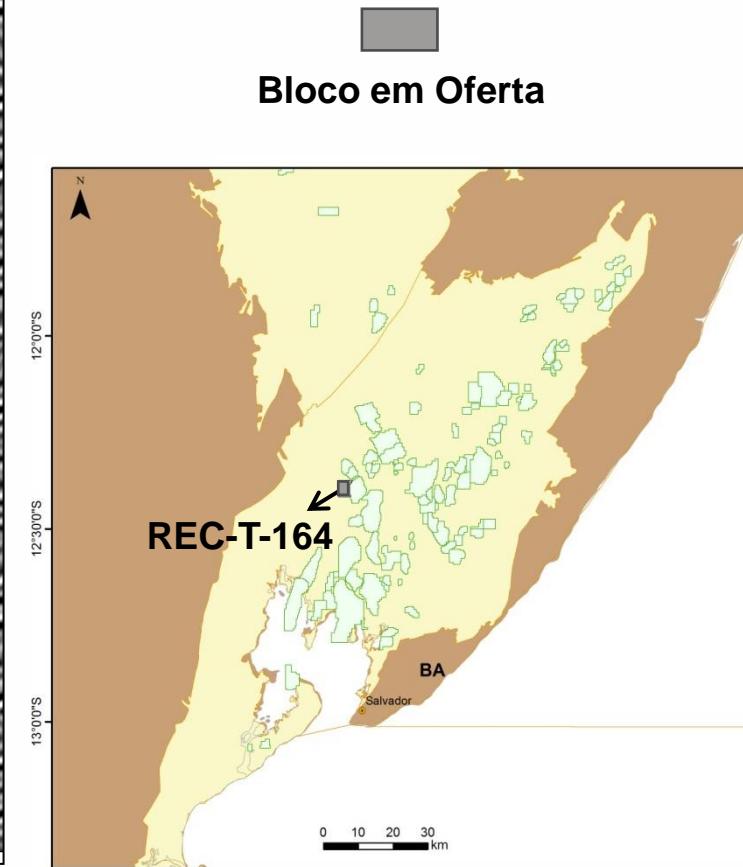
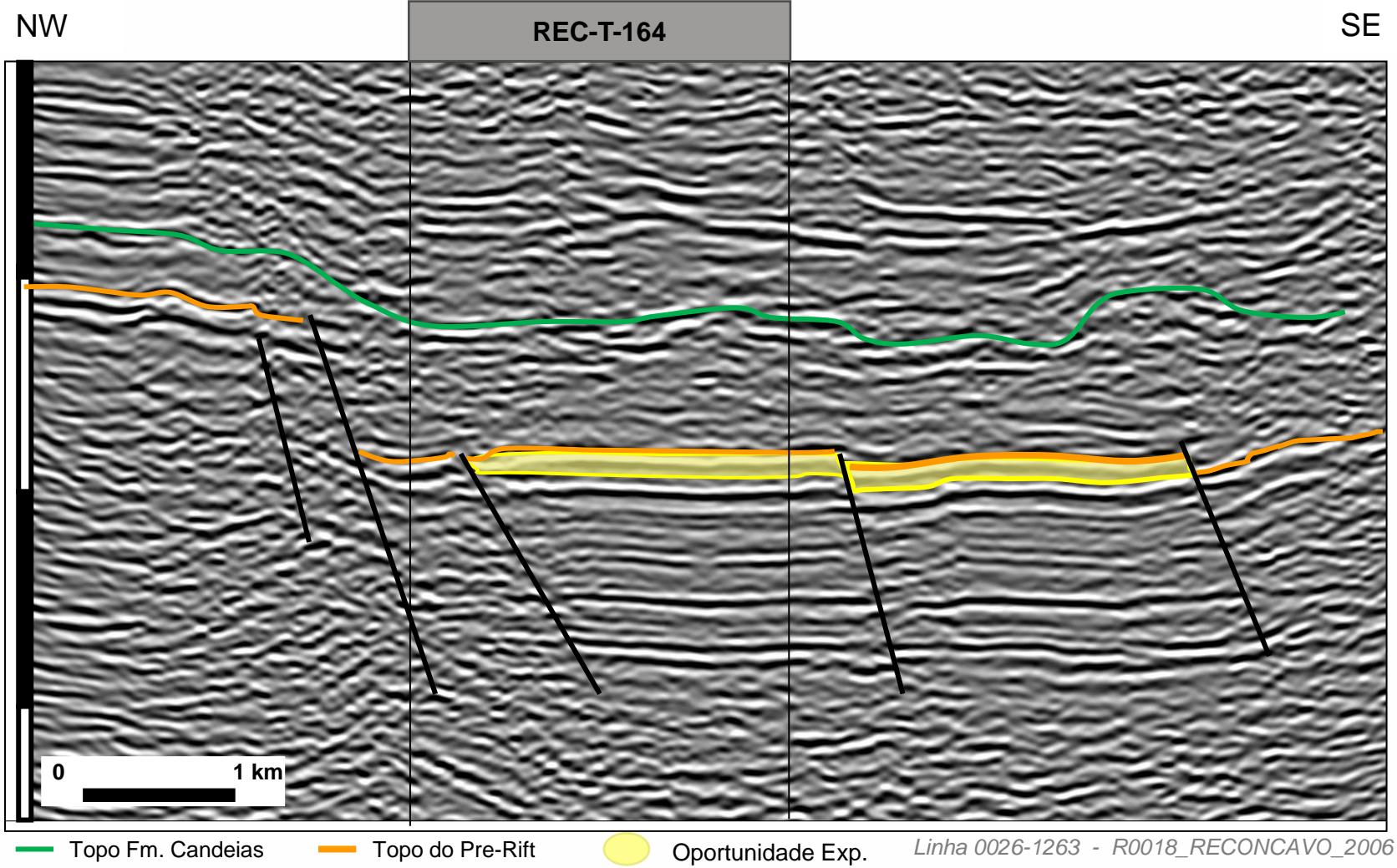
BACIA DO RECÔNCAVO



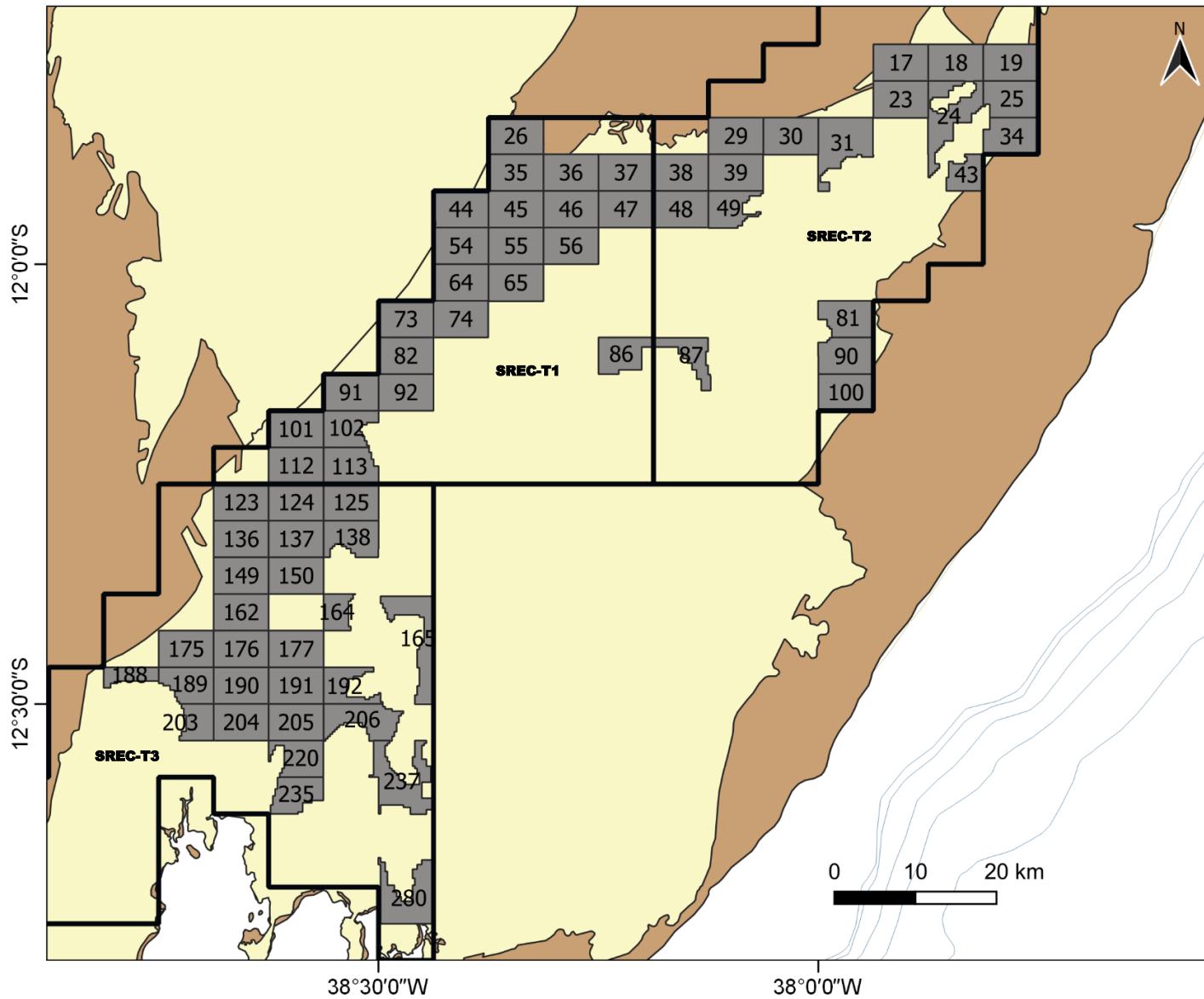
Linha 0026-1263 - R0018_RECONCAVO_2006



BACIA DO RECÔNCAVO

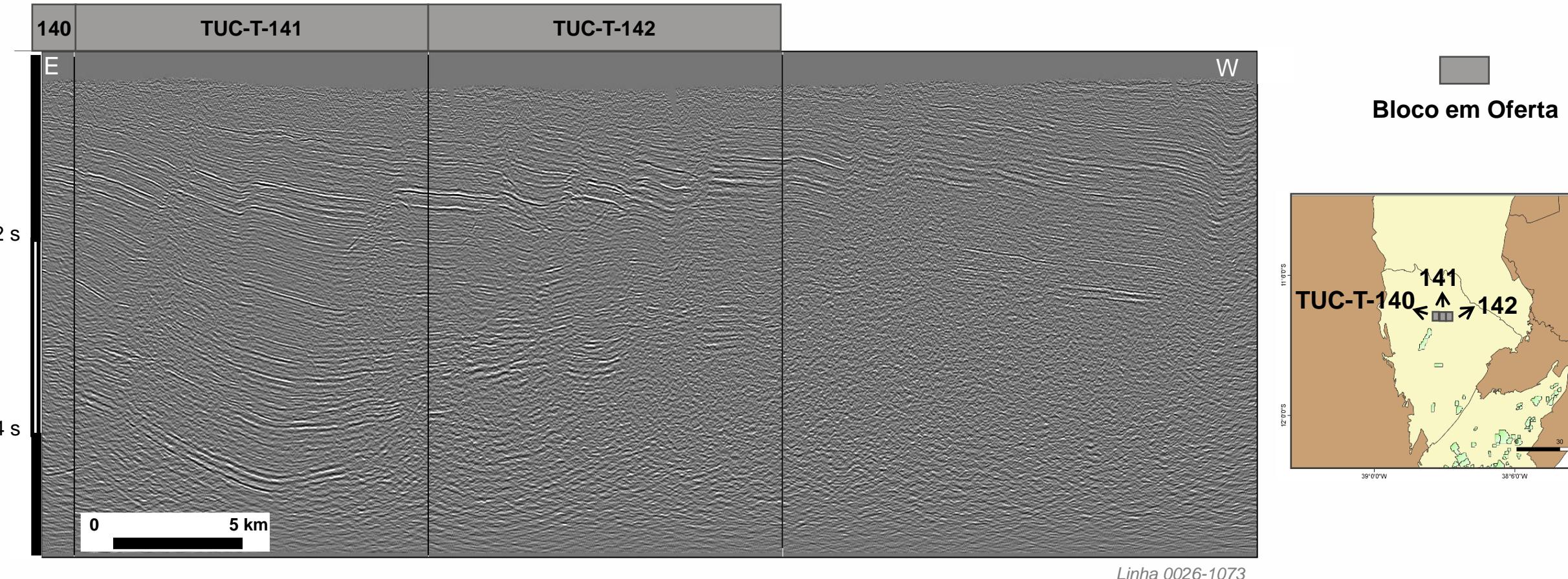


BACIA DO RECÔNCAVO

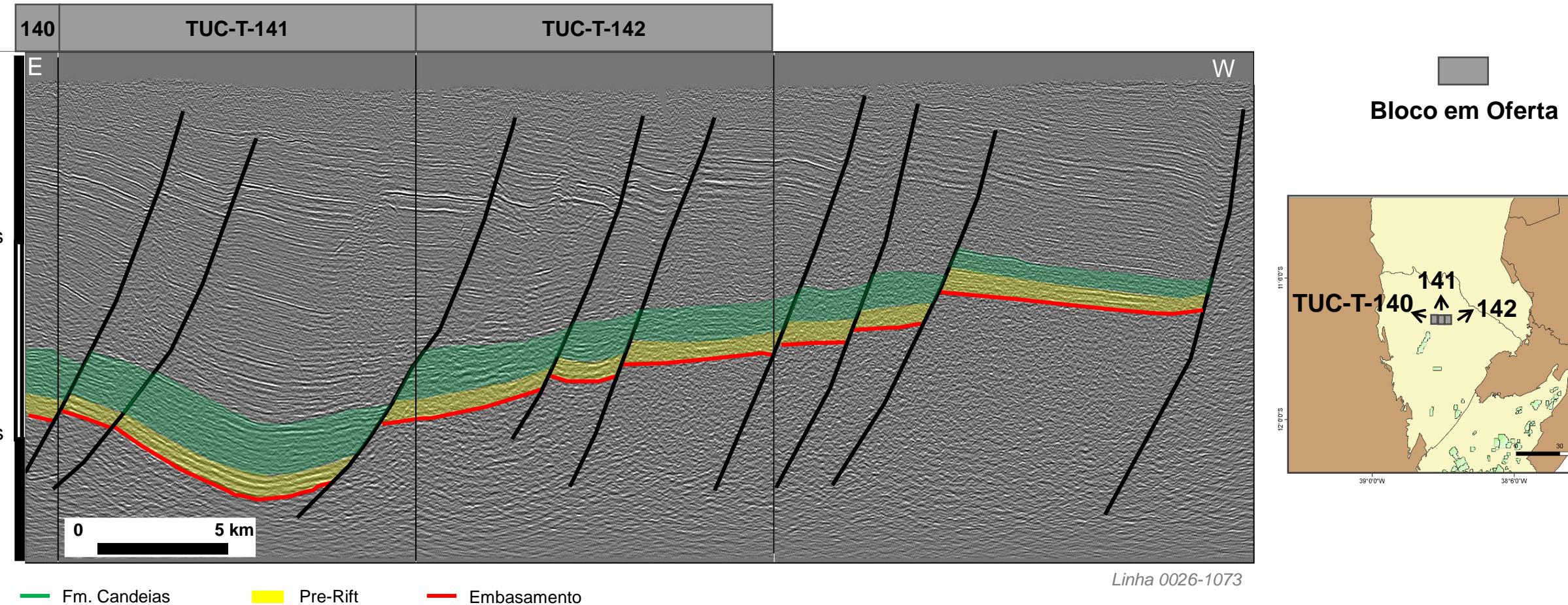


74 Blocos em Oferta

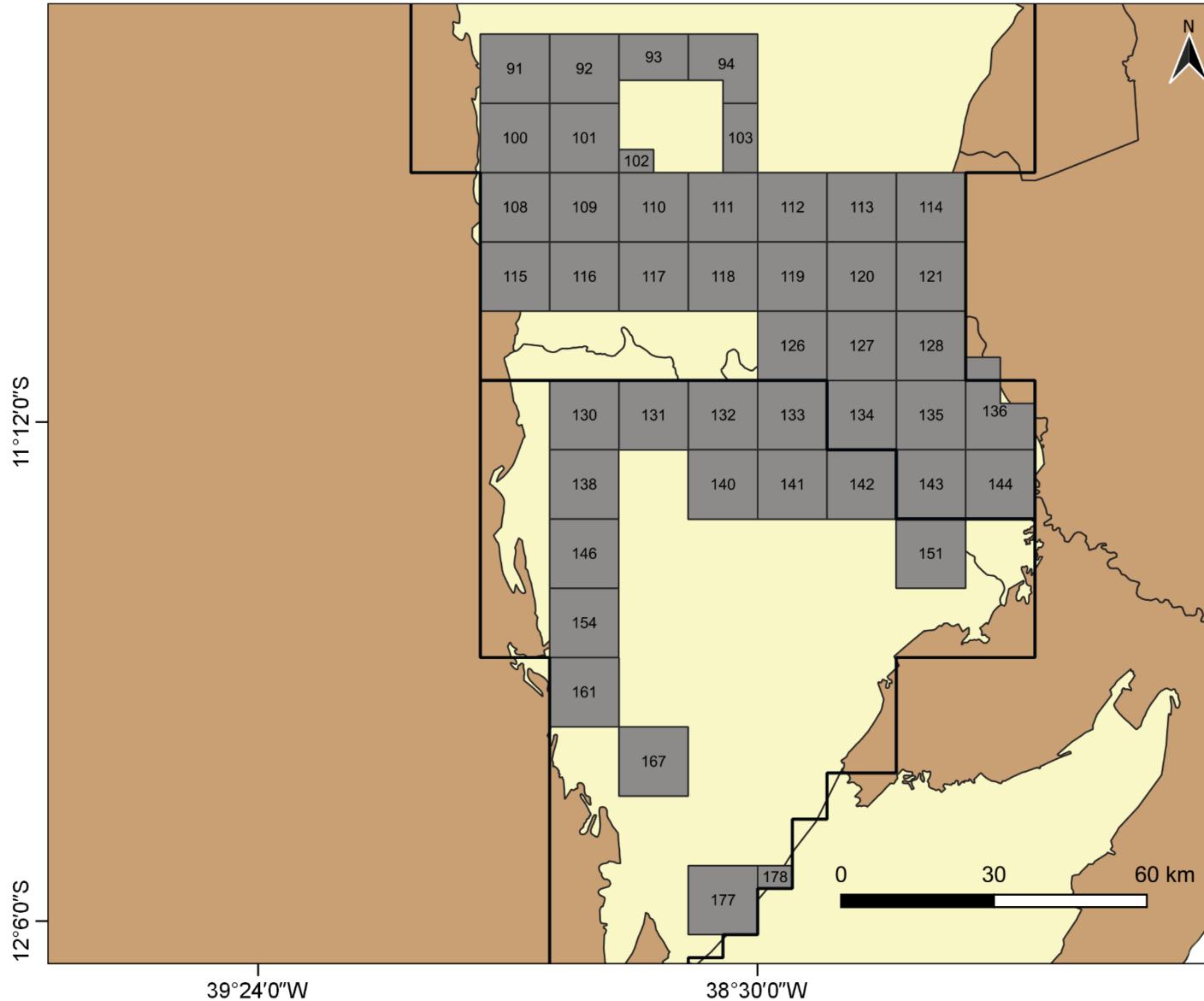
BACIA DE TUCANO (Fronteira)



BACIA DE TUCANO (Fronteira)



BACIA DE TUCANO *1

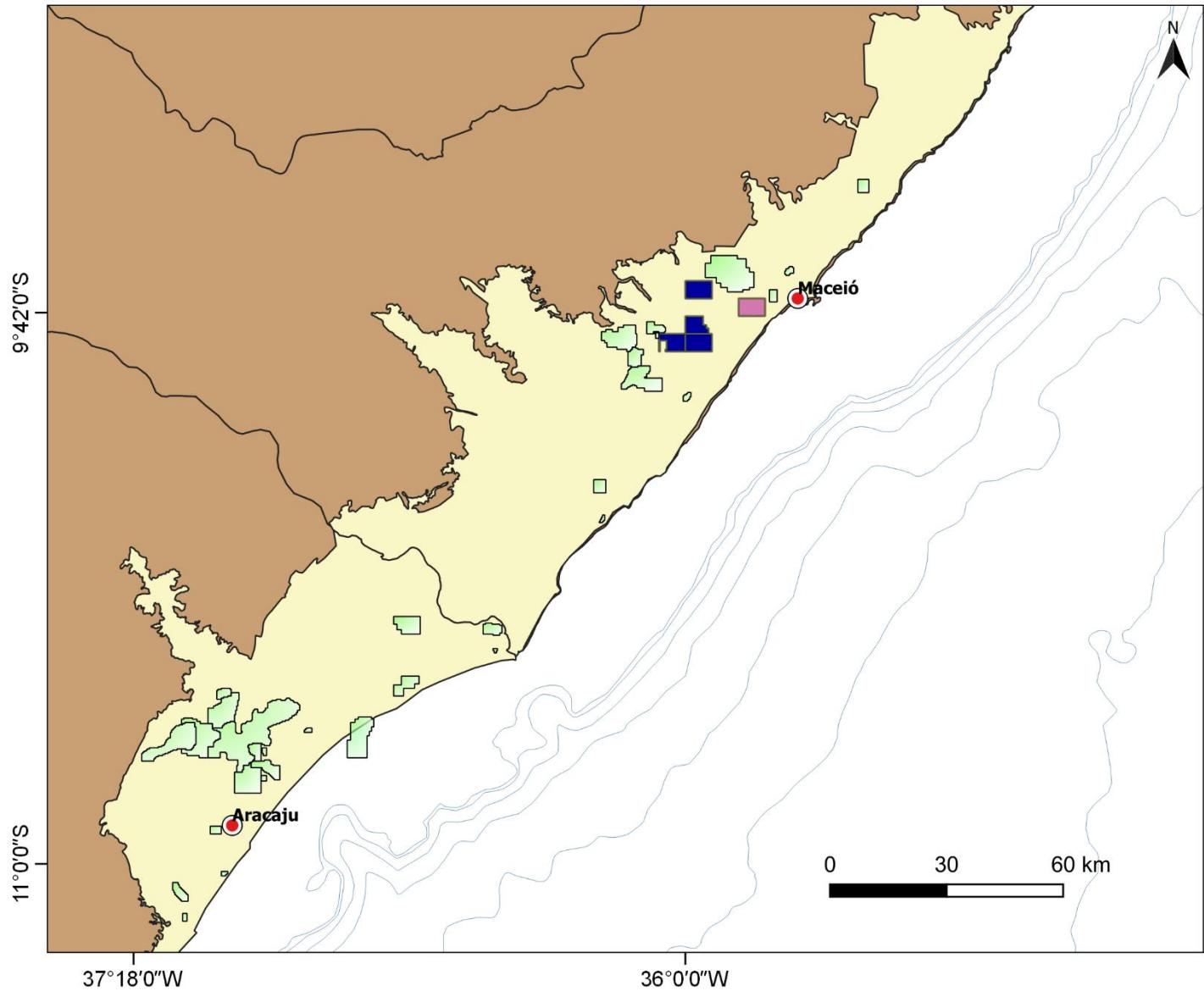


45 Blocos em Oferta



TUCANO: *1 Produtora, mas não madura

BACIA DE SERGIPE-ALAGOAS - TERRA



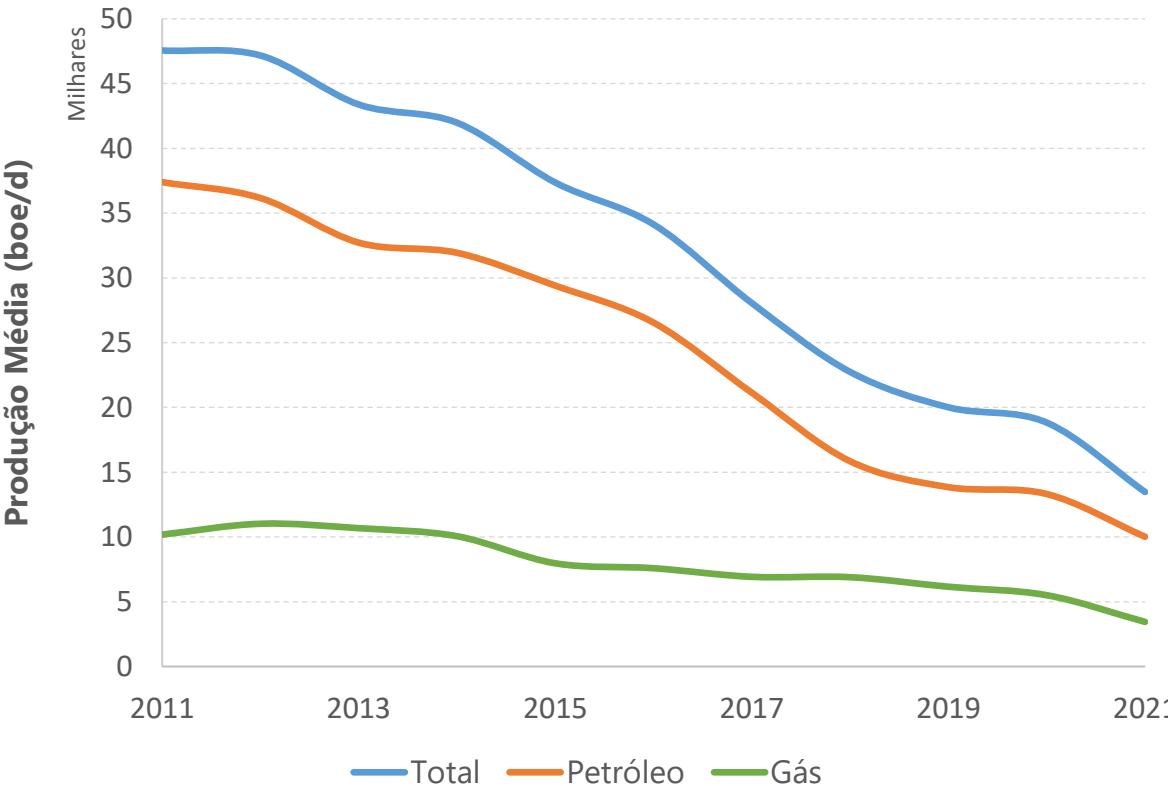
Blocos em concessão

- R12**
- R14**
- Campos em Produção**



BACIA DE SERGIPE-ALAGOAS - TERRA

2011 - 2021  72%



PRODUÇÃO NA ÚLTIMA DÉCADA

(BACIA DE SERGIPE-ALAGOAR TERRA)

Gás

468

Mil m³/dia

 66%

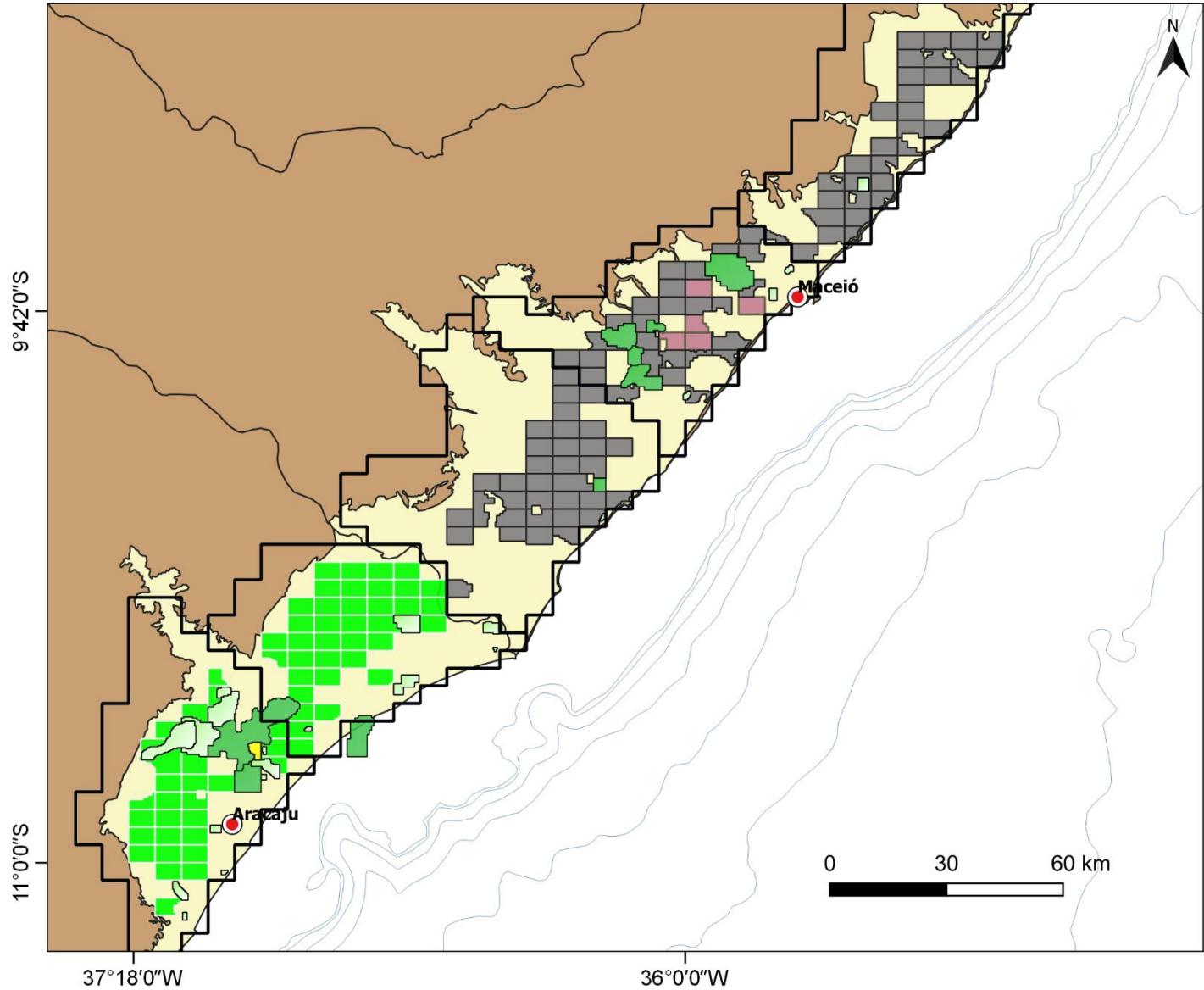
Petróleo

10

Mil bbl/dia

 73%

BACIA DE SERGIPE-ALAGOAS - TERRA



 Blocos em Oferta

 Blocos em concessão

R12/R14

 Campos em Produção

Desinvestimento BR

 Teaser BR

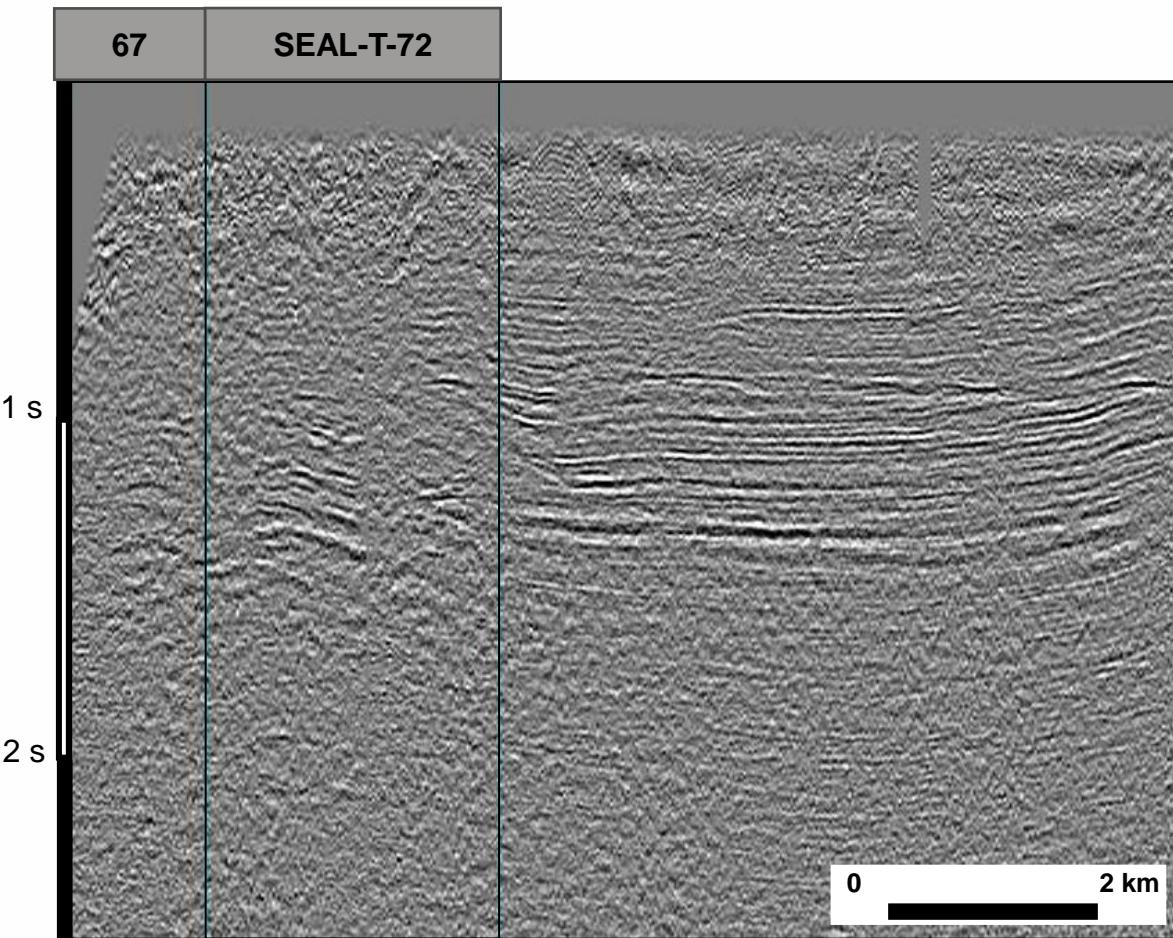
 Cedidos à outras empresas



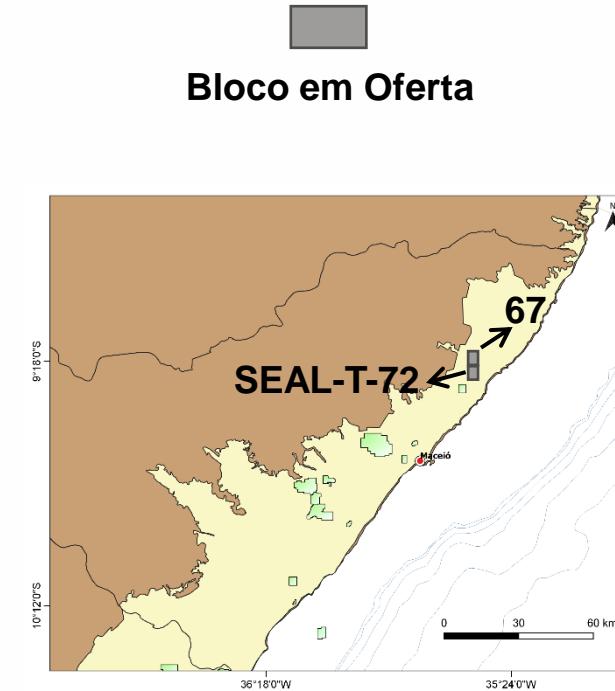
BACIA DE SERGIPE-ALAGOAS - TERRA

NW

SE



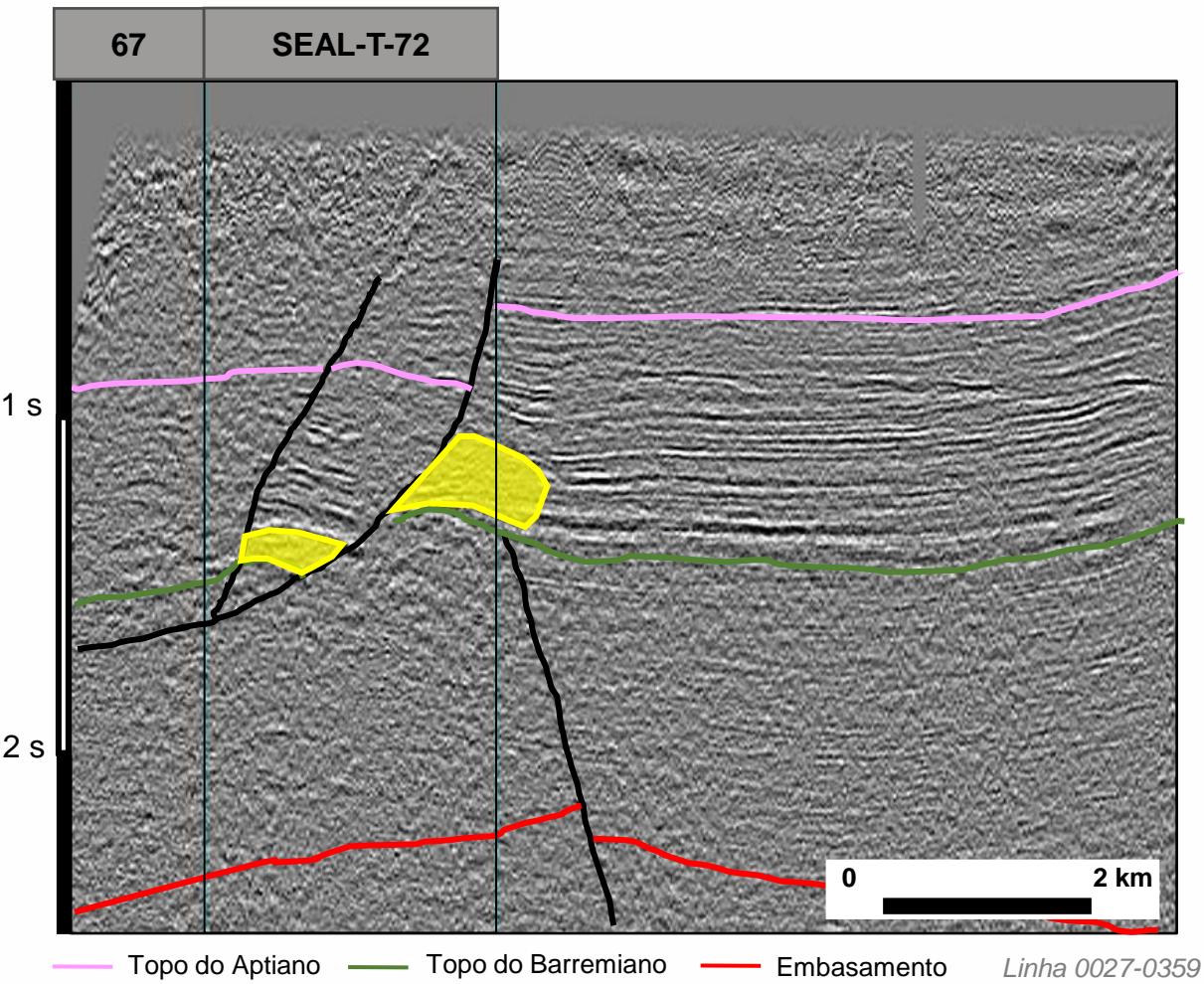
Linha 0027-0359



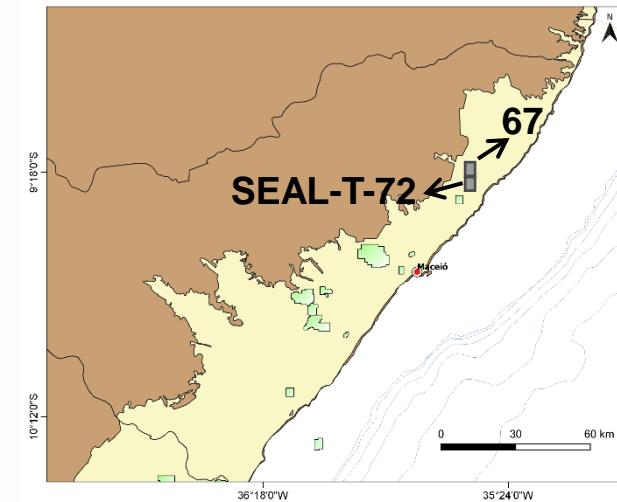
BACIA DE SERGIPE-ALAGOAS - TERRA

NW

SE



Bloco em Oferta

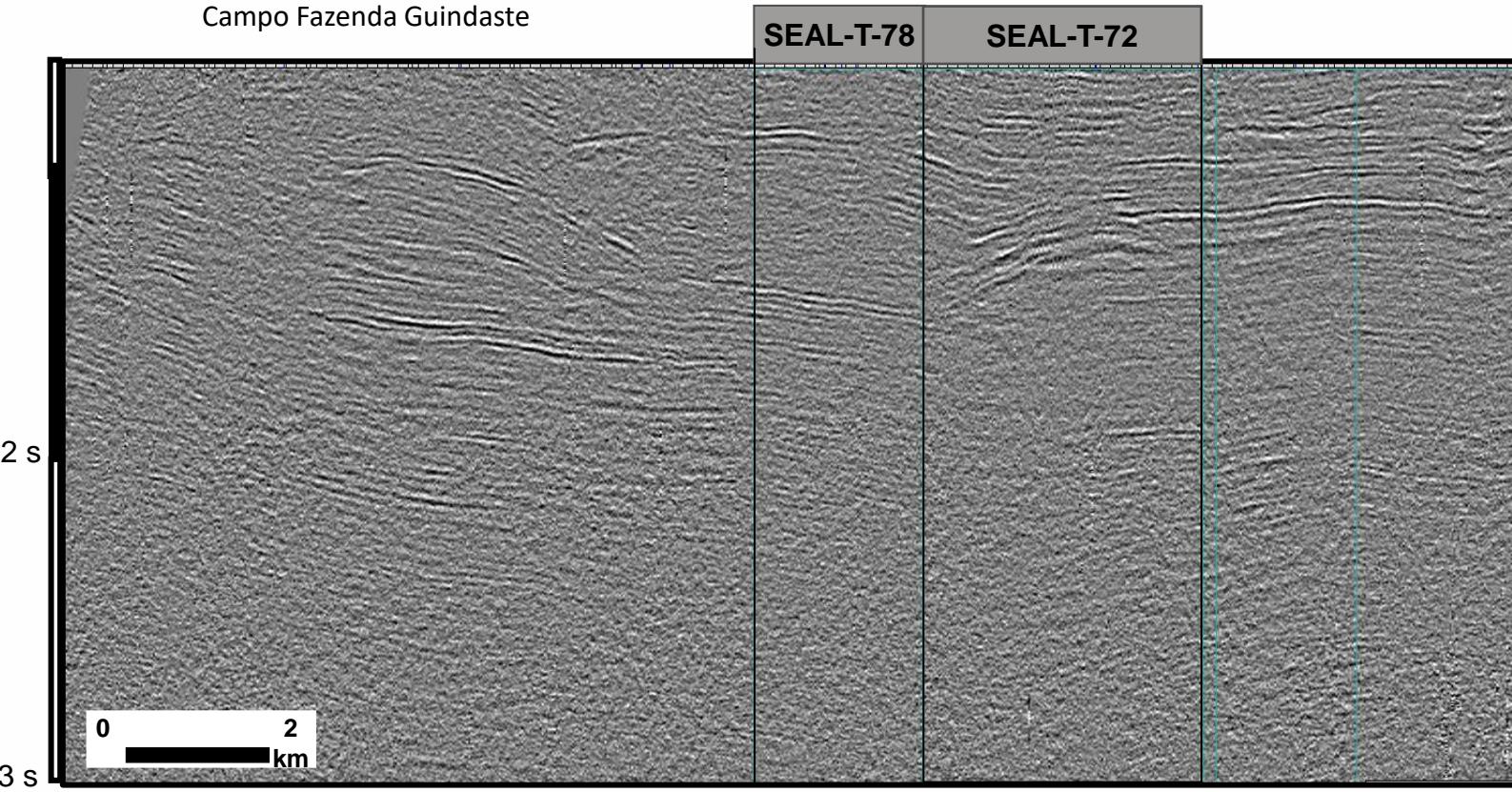


BACIA DE SERGIPE-ALAGOAS - TERRA

SE

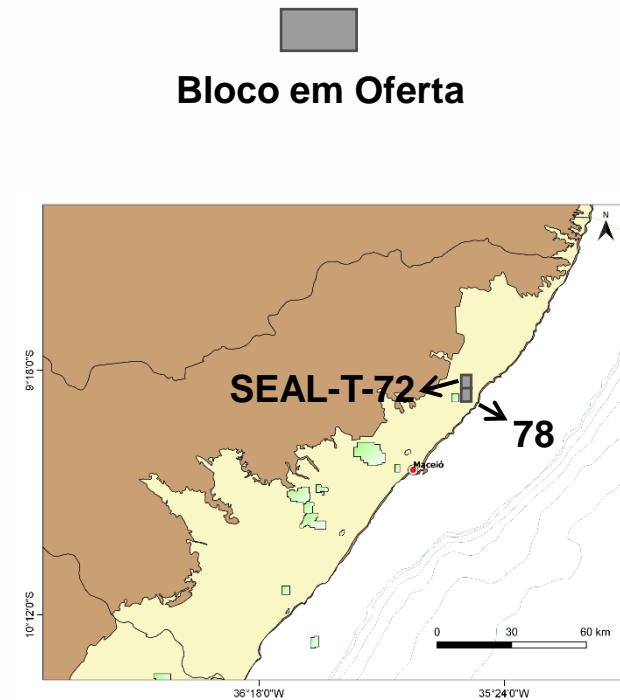
NW

Campo Fazenda Guindaste



Linha 0027-0678

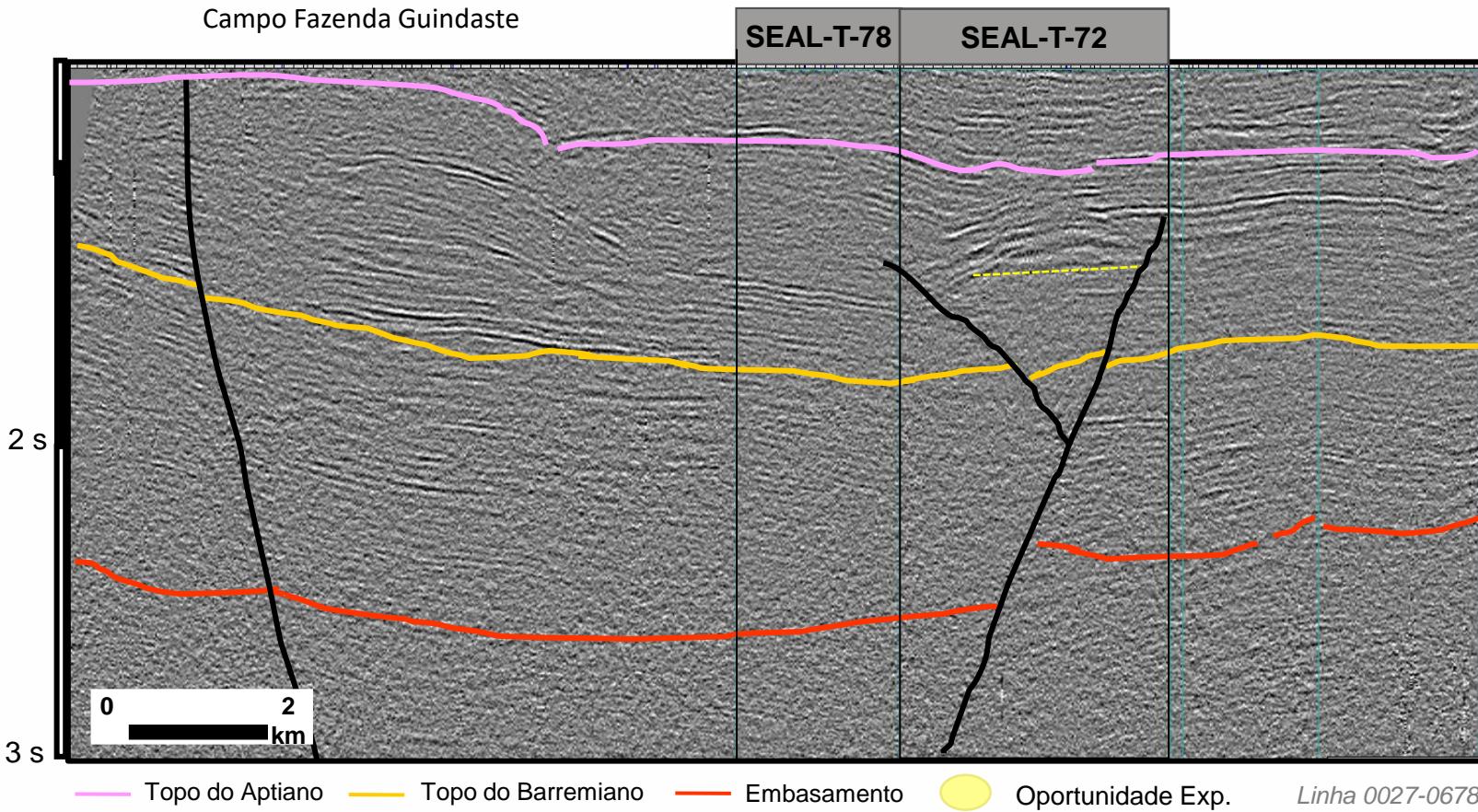
Bloco em Oferta



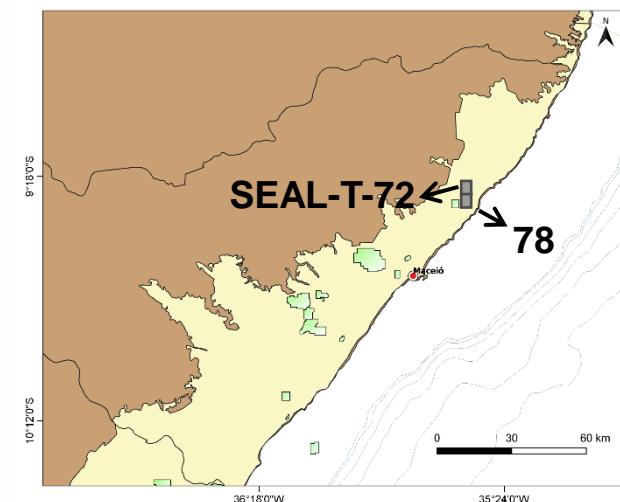
BACIA DE SERGIPE-ALAGOAS - TERRA

SE

NW



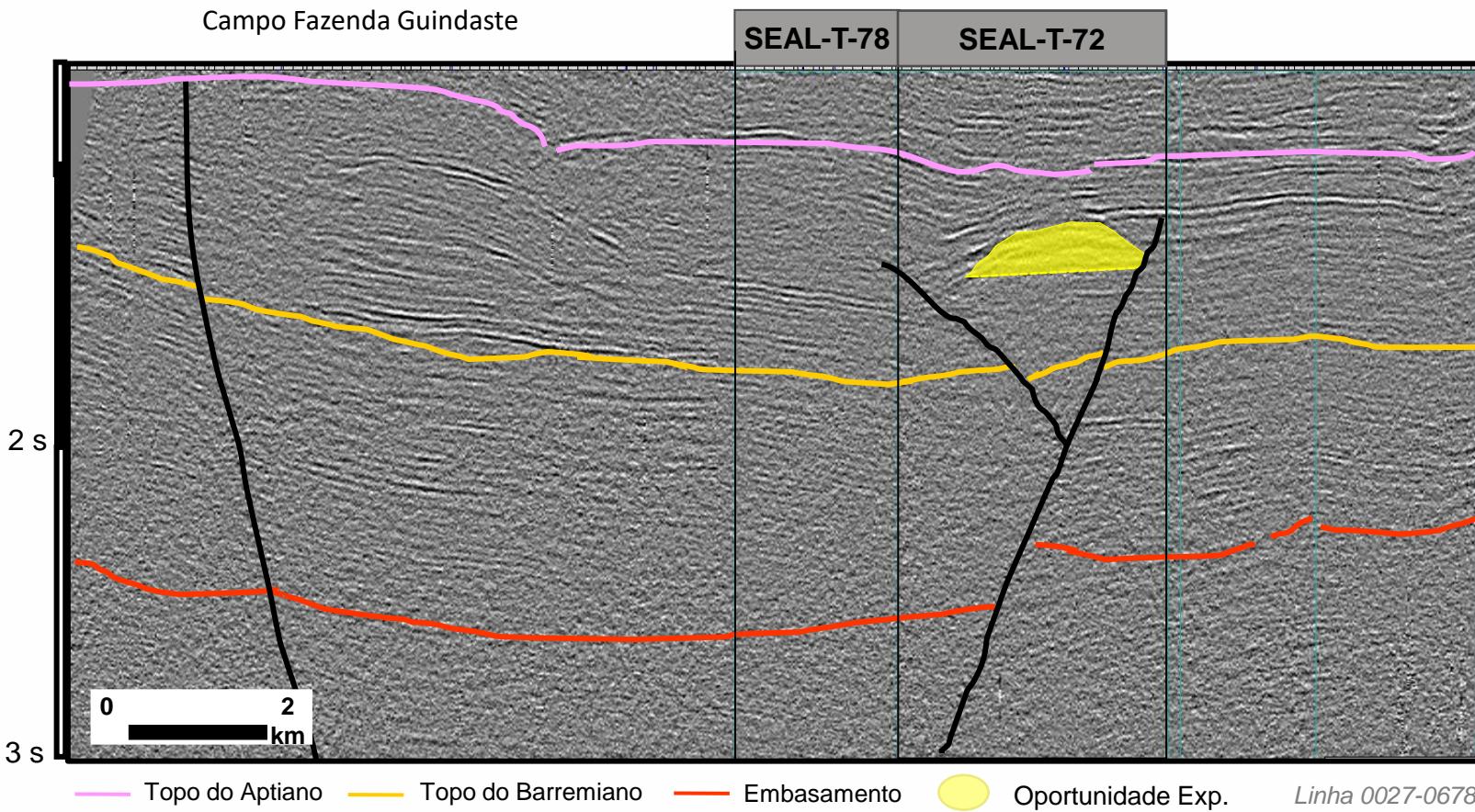
Bloco em Oferta



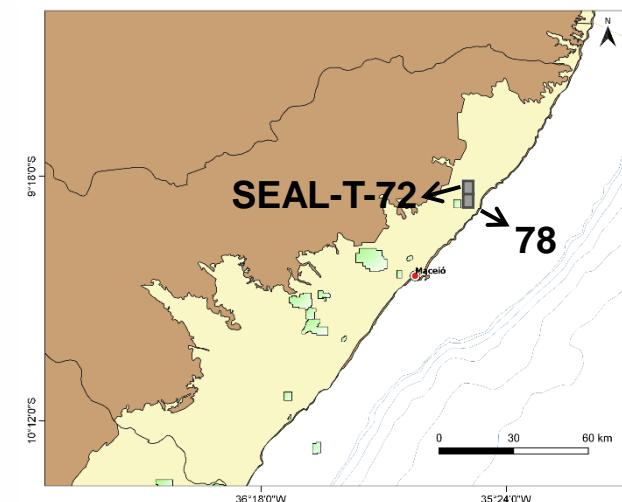
BACIA DE SERGIPE-ALAGOAS - TERRA

SE

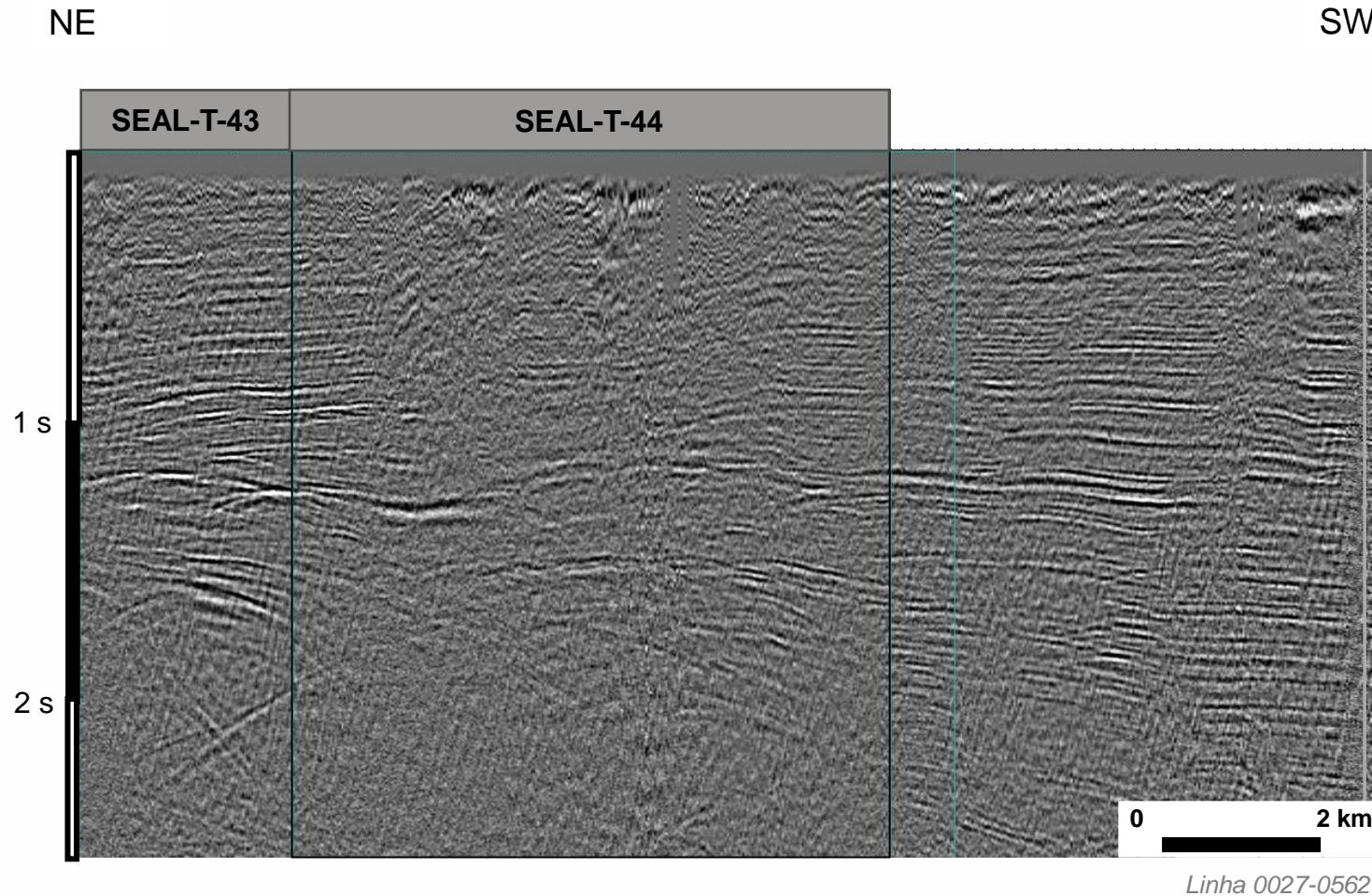
NW



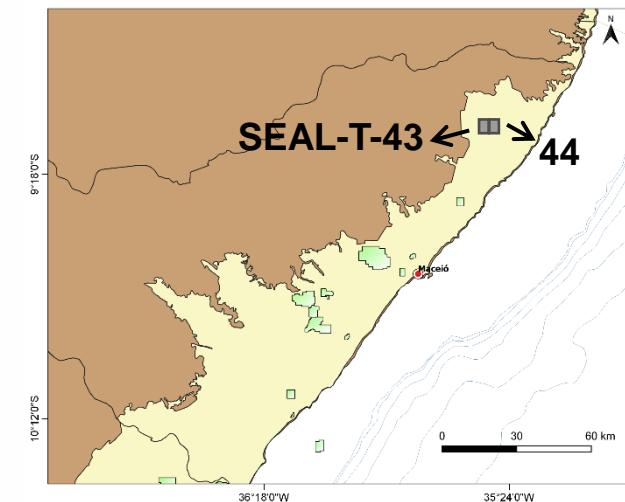
Bloco em Oferta



BACIA DE SERGIPE-ALAGOAS - TERRA

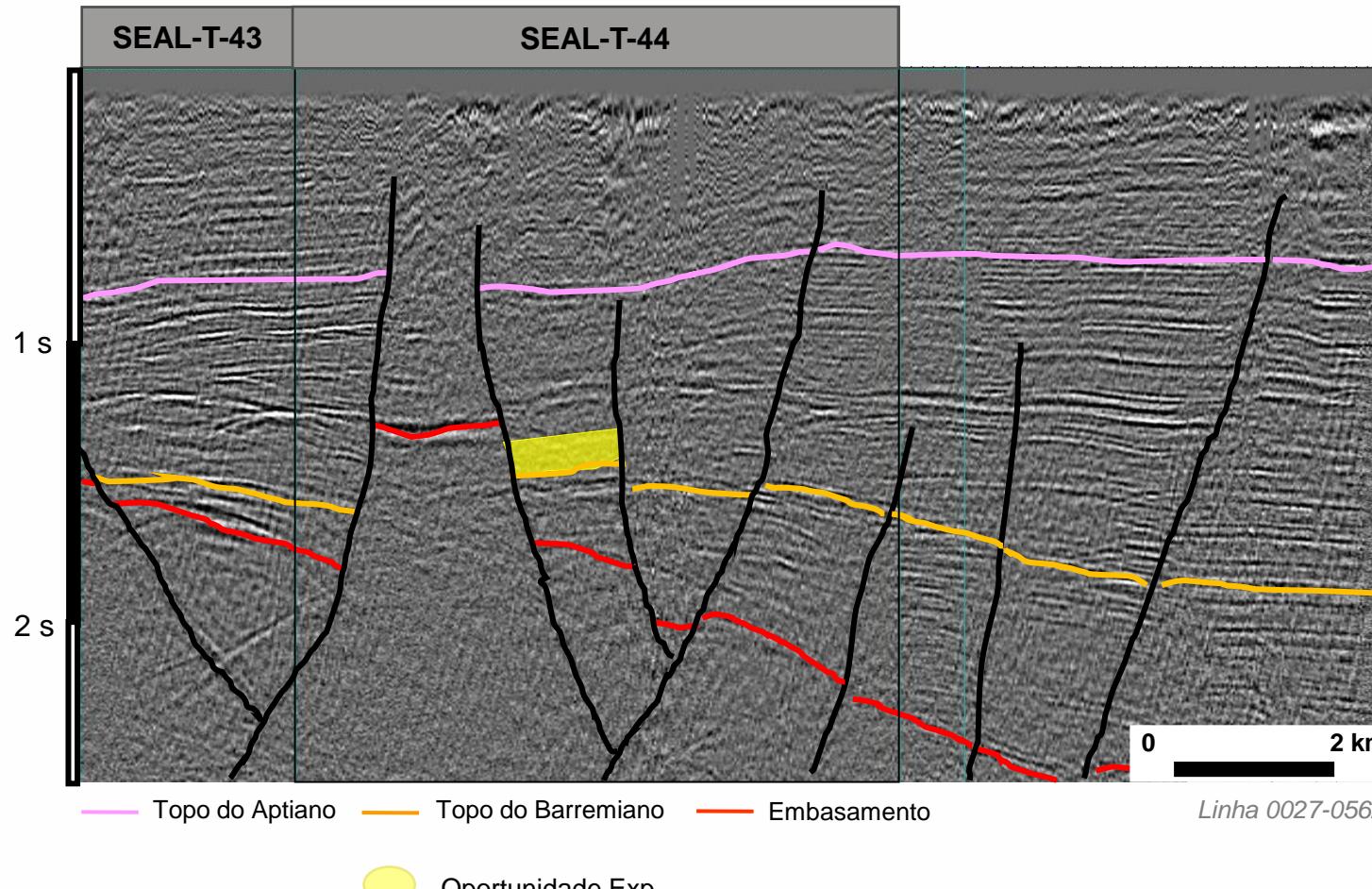


Bloco em Oferta

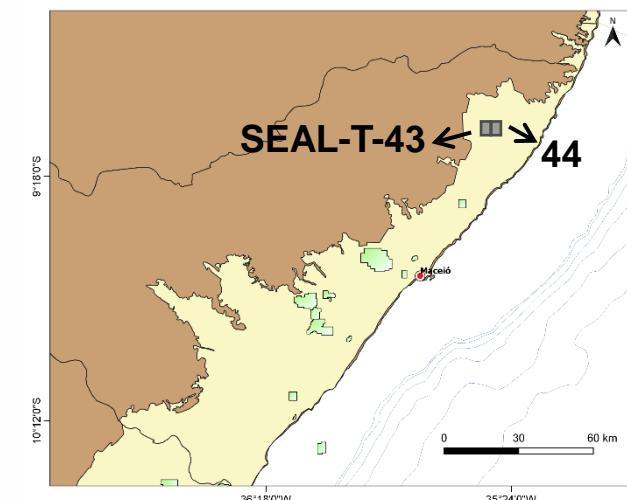


BACIA DE SERGIPE-ALAGOAS - TERRA

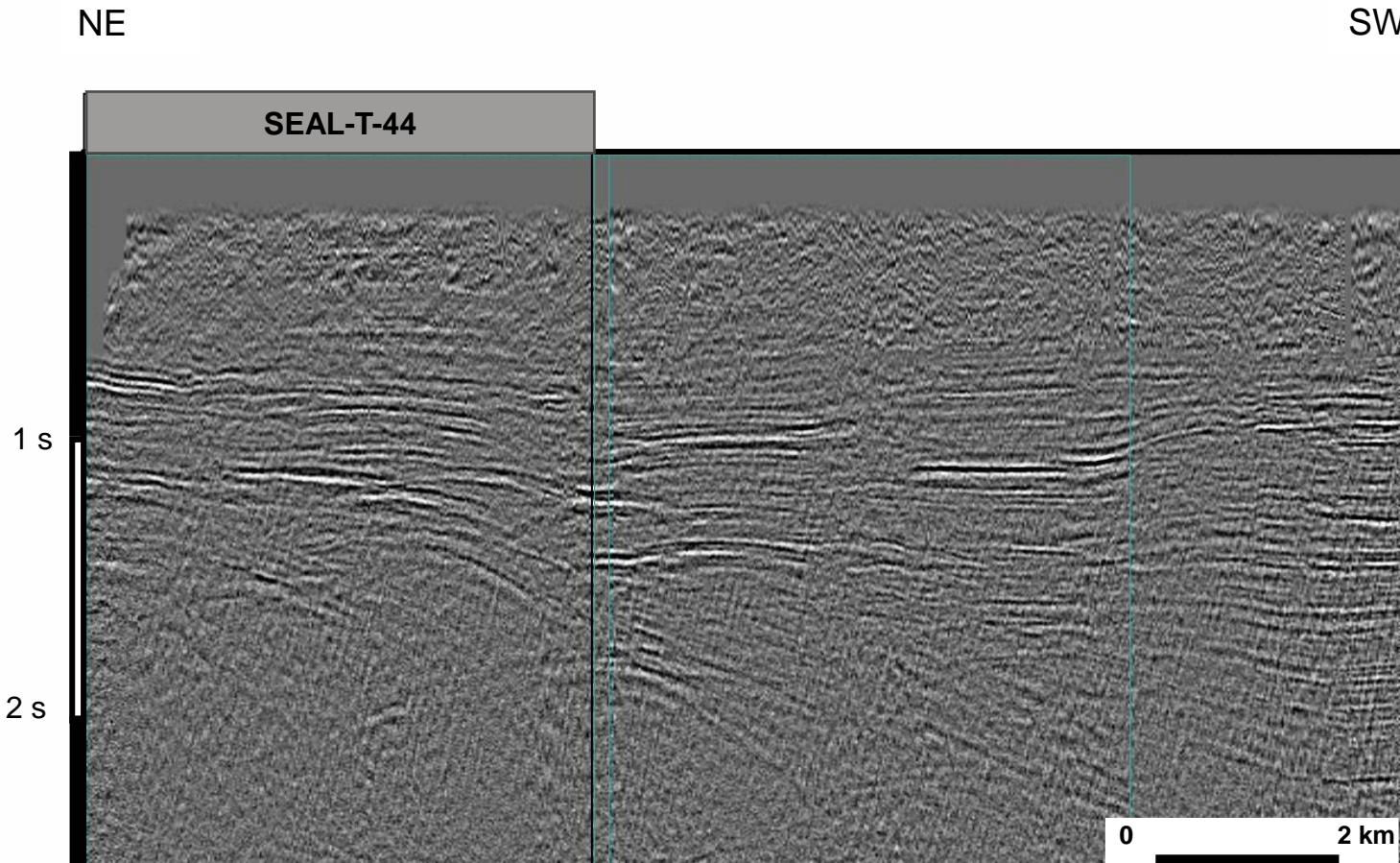
NE SW



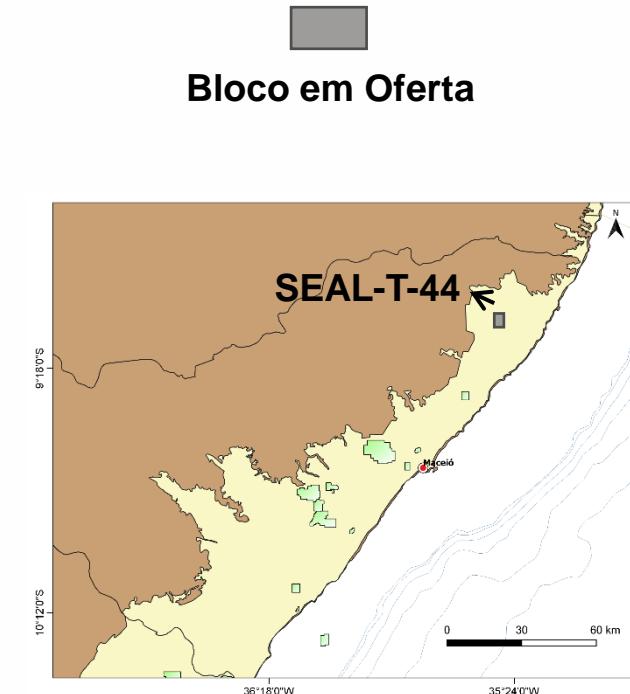
Bloco em Oferta



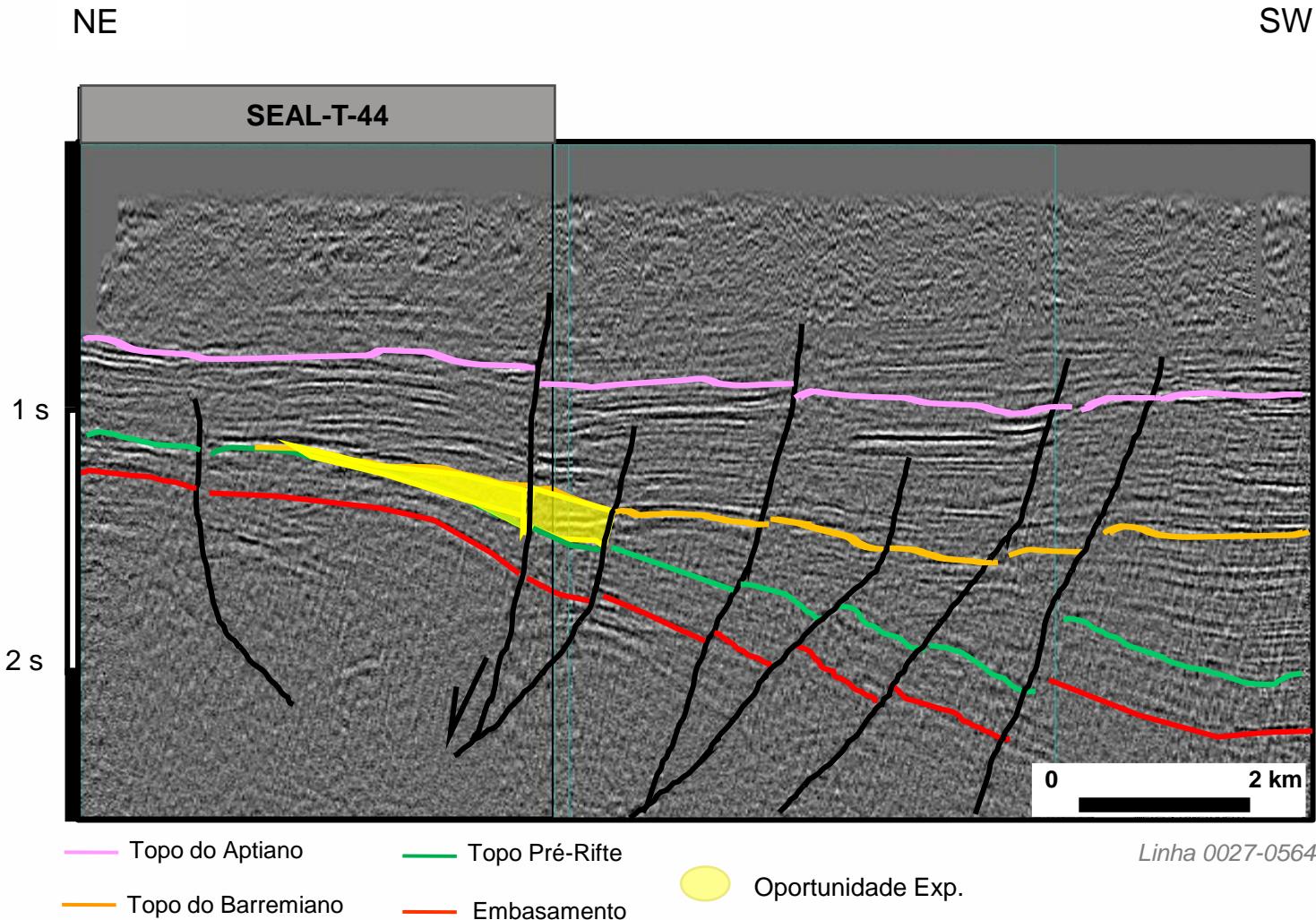
BACIA DE SERGIPE-ALAGOAS - TERRA



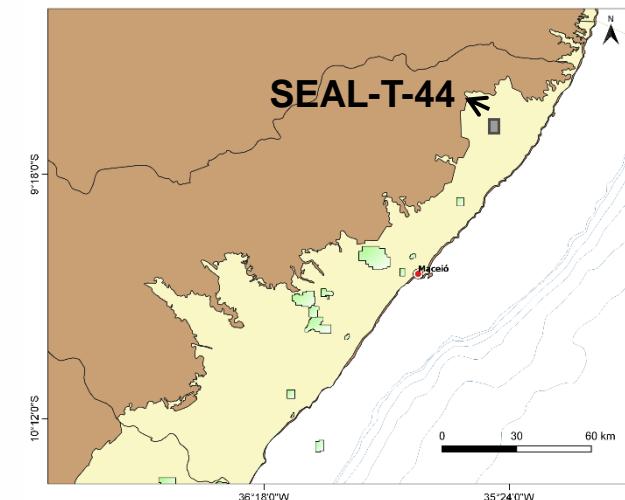
Linha 0027-0564



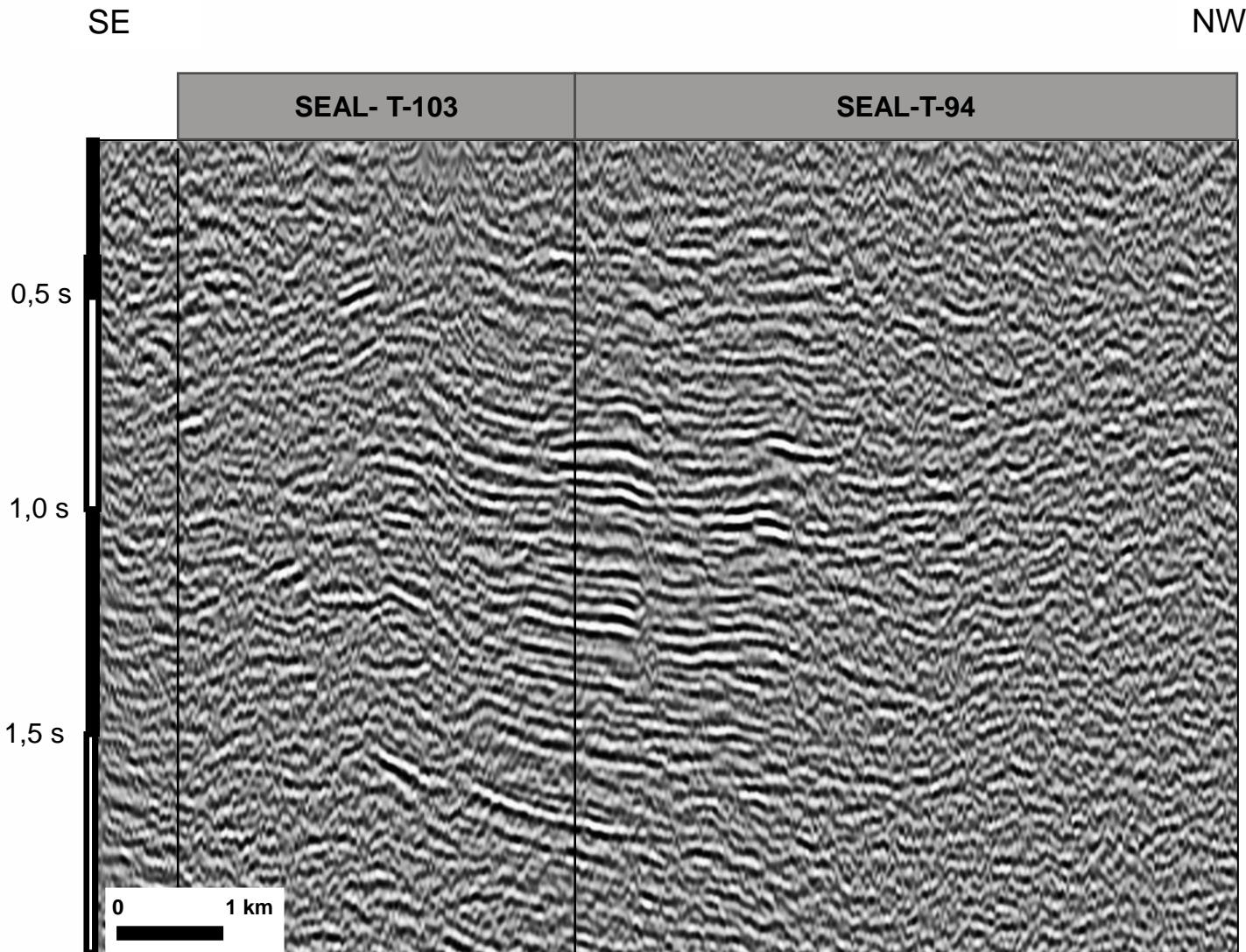
BACIA DE SERGIPE-ALAGOAS - TERRA



Bloco em Oferta



BACIA DE SERGIPE-ALAGOAS - TERRA



Linha 0027-1063 - 0027_SERGIPE_ALAGOAS_33

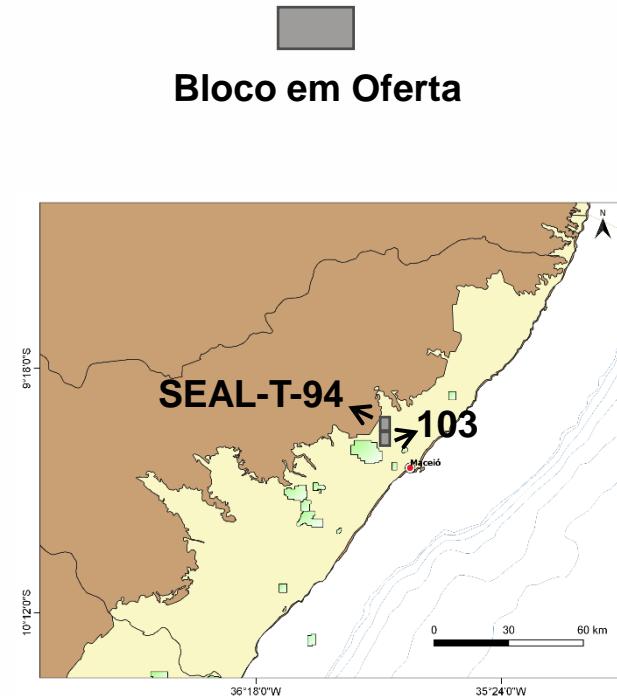
— Topo Mb. Morro do Chaves

— Topo Fm. Penedo

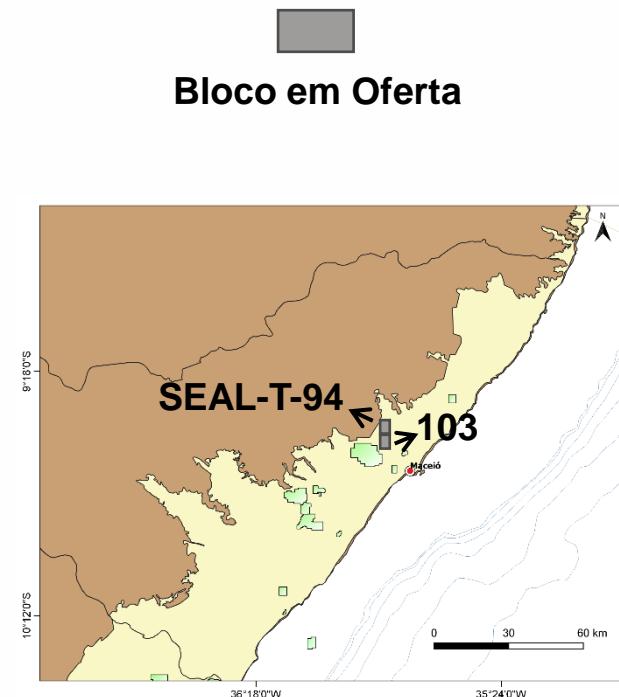
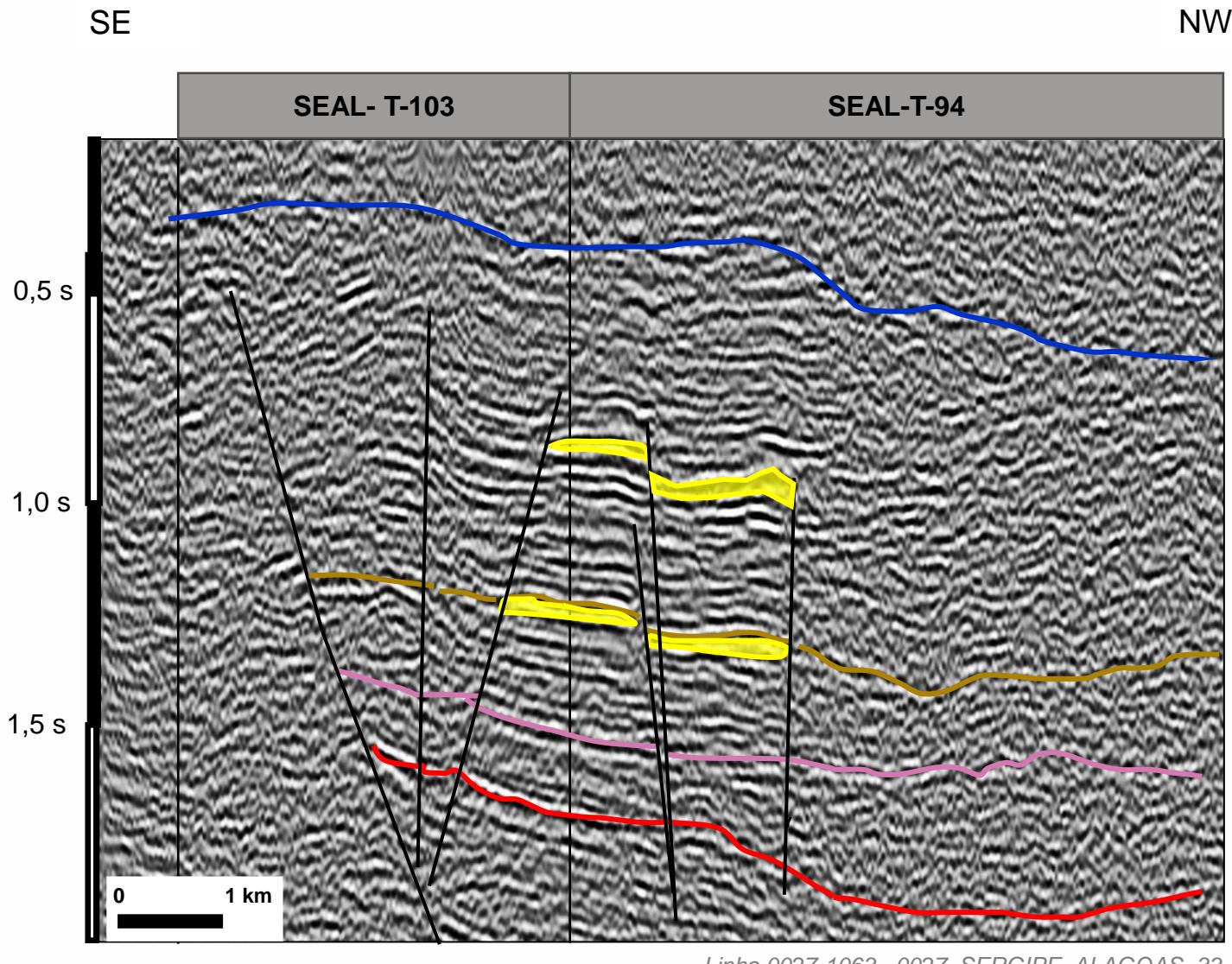
Topo Em Cog. Seco

Embasamento

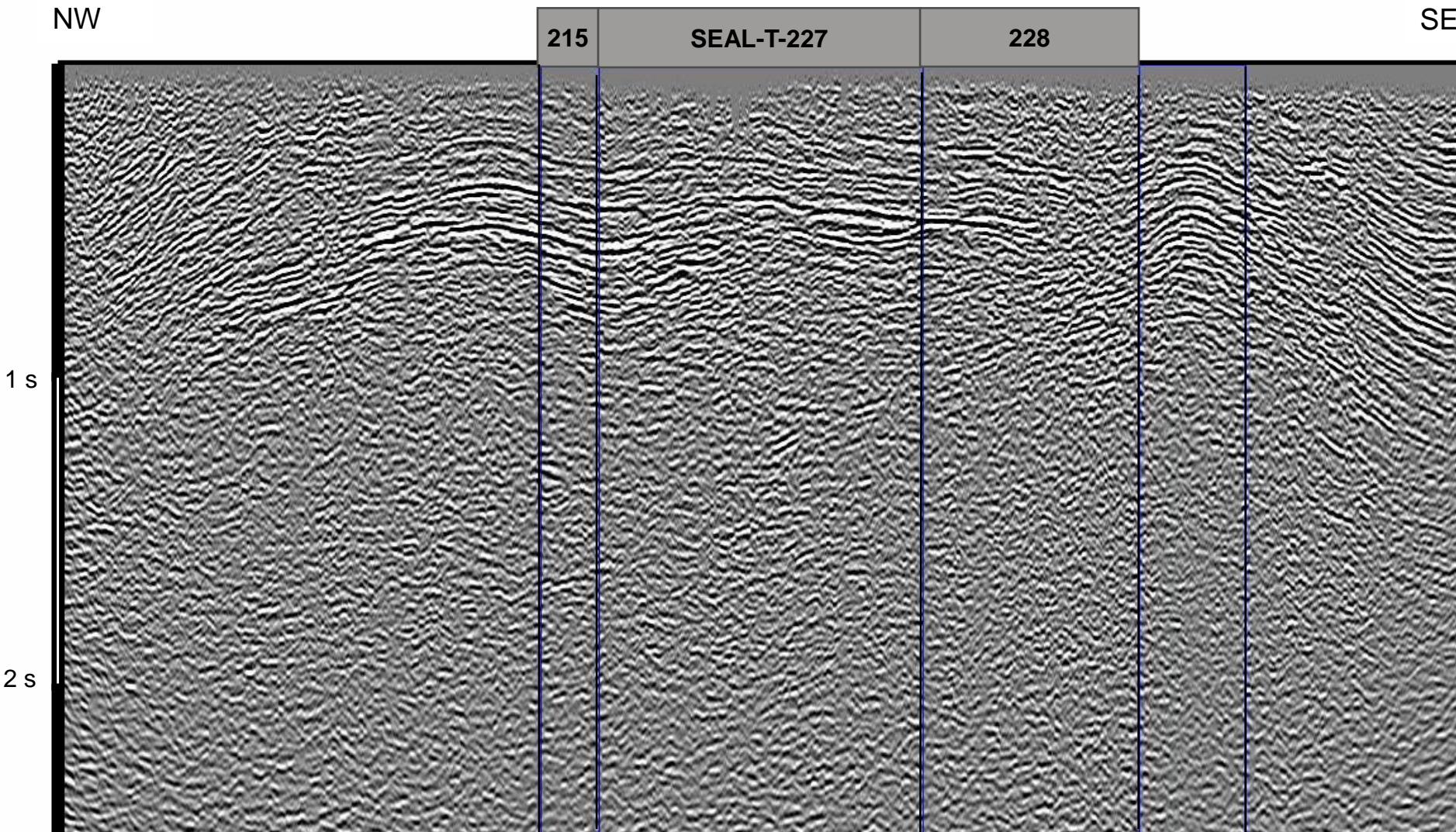
Oportunidade Exploratória



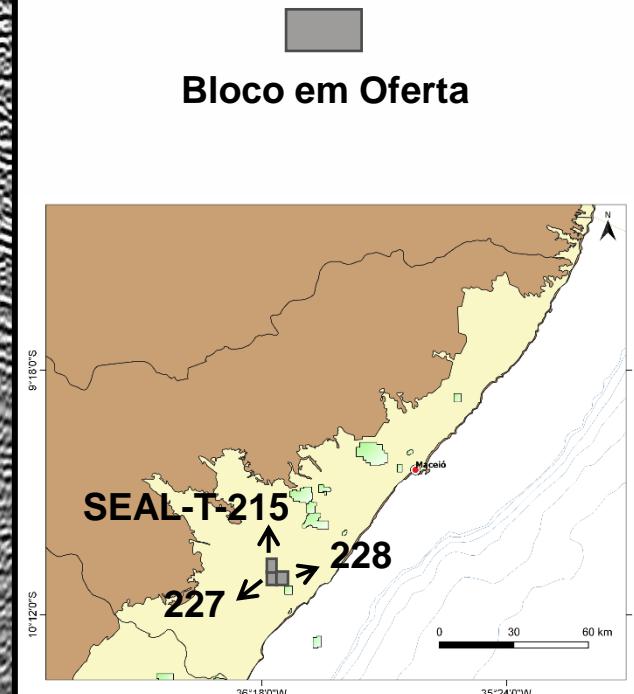
BACIA DE SERGIPE-ALAGOAS - TERRA



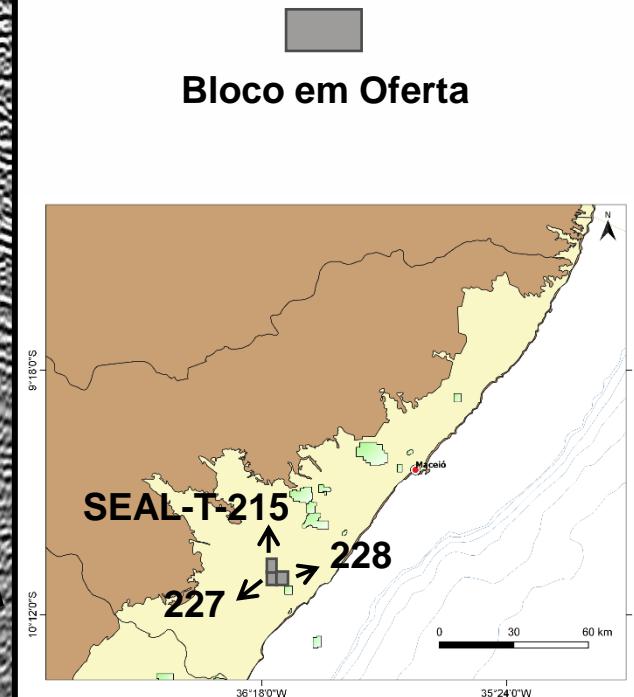
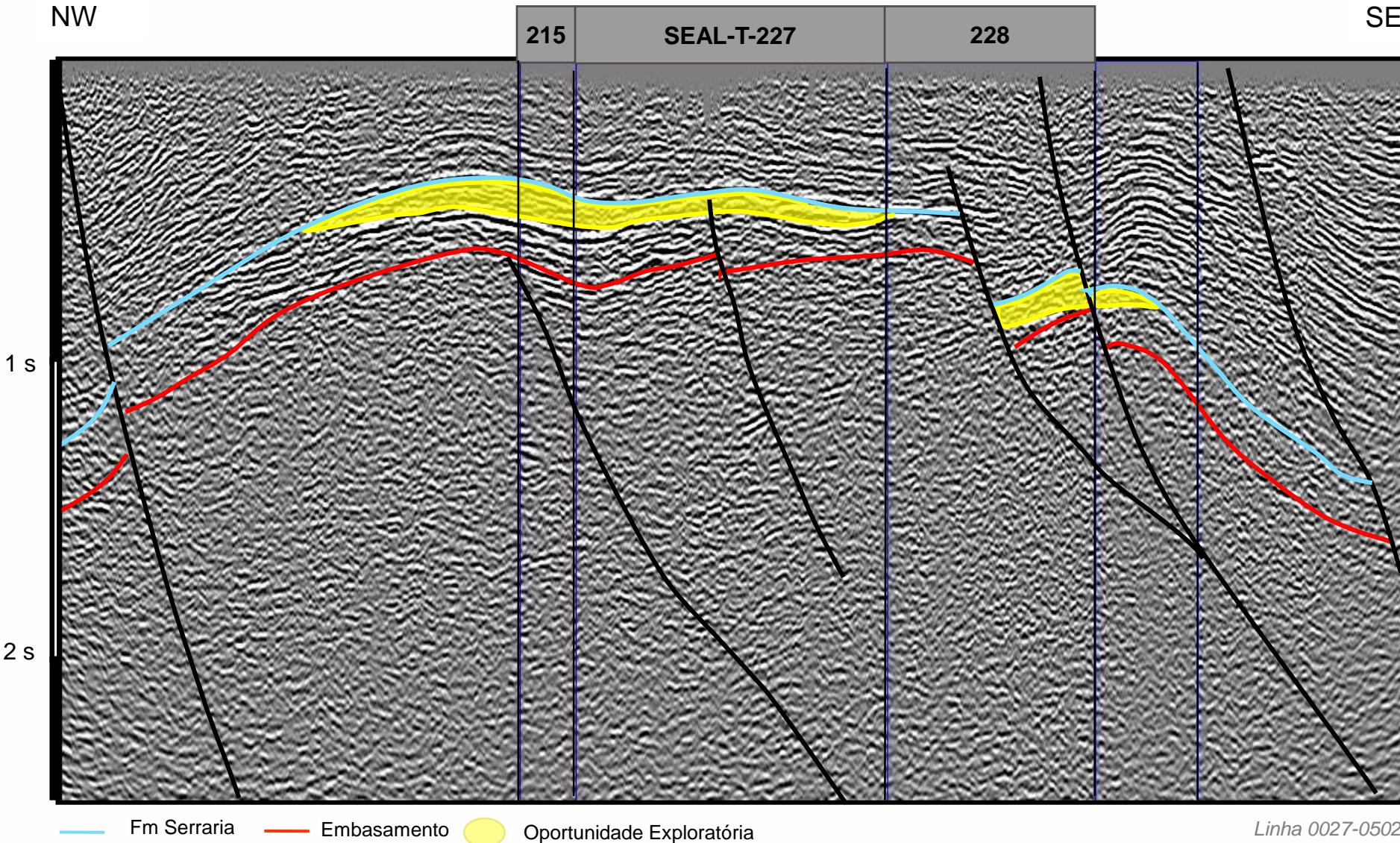
BACIA DE SERGIPE-ALAGOAS - TERRA



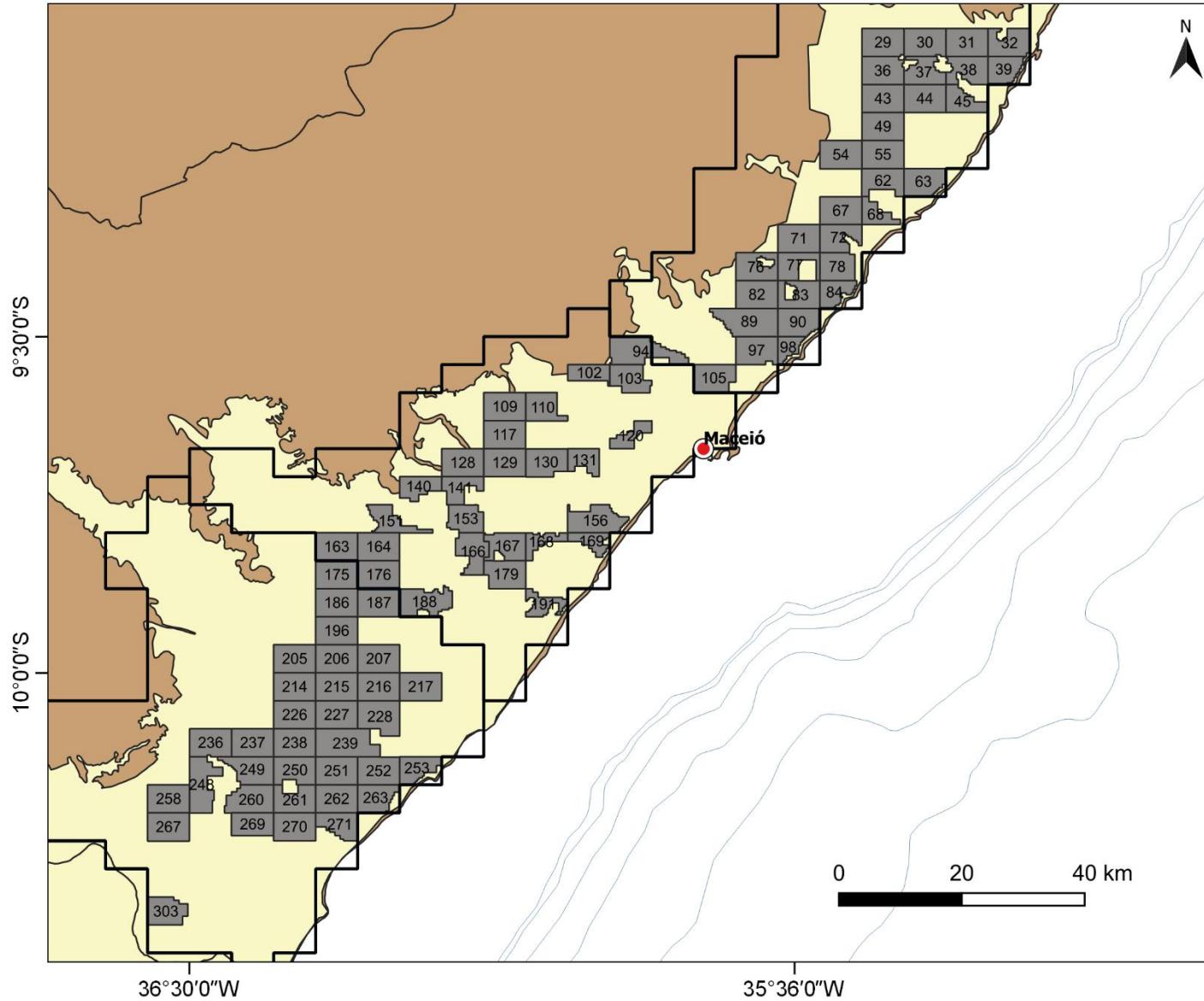
Linha 0027-0502



BACIA DE SERGIPE-ALAGOAS - TERRA

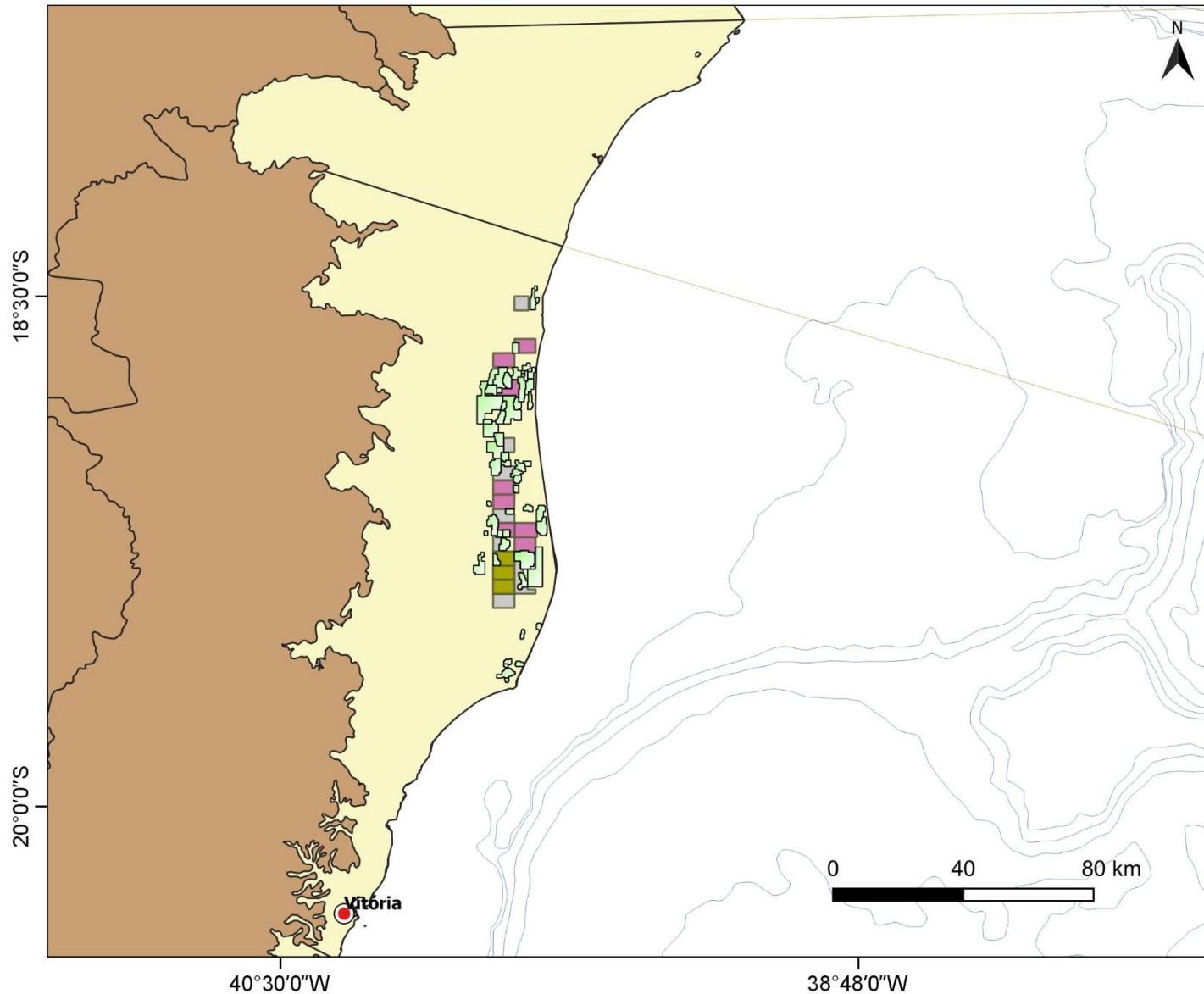


BACIA DE SERGIPE-ALAGOAS - TERRA



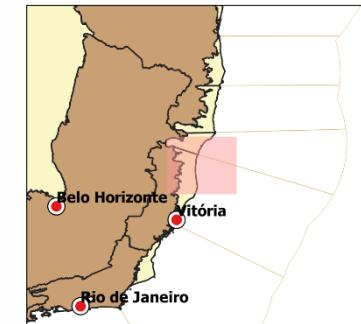
92 Blocos em Oferta

BACIA DO ESPÍRITO-SANTO - TERRA



Blocos em concessão

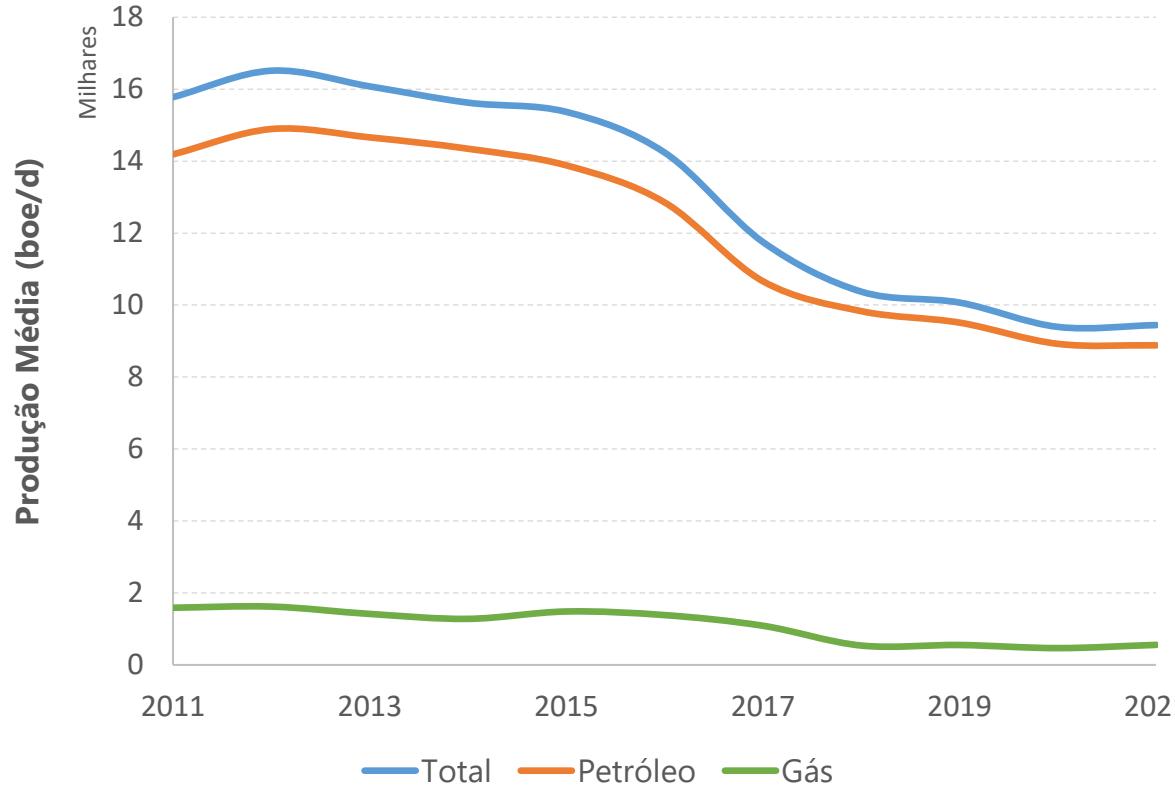
- R11
- R14
- 2º Ciclo OP
- Campos em Produção



BACIA DO ESPÍRITO-SANTO - TERRA

2011 - 2021

▼ 40%



PRODUÇÃO NA ÚLTIMA DÉCADA (BACIA DO ESPÍRITO-SANTO TERRA)

Gás

90

Mil m³/dia

▼ 65%

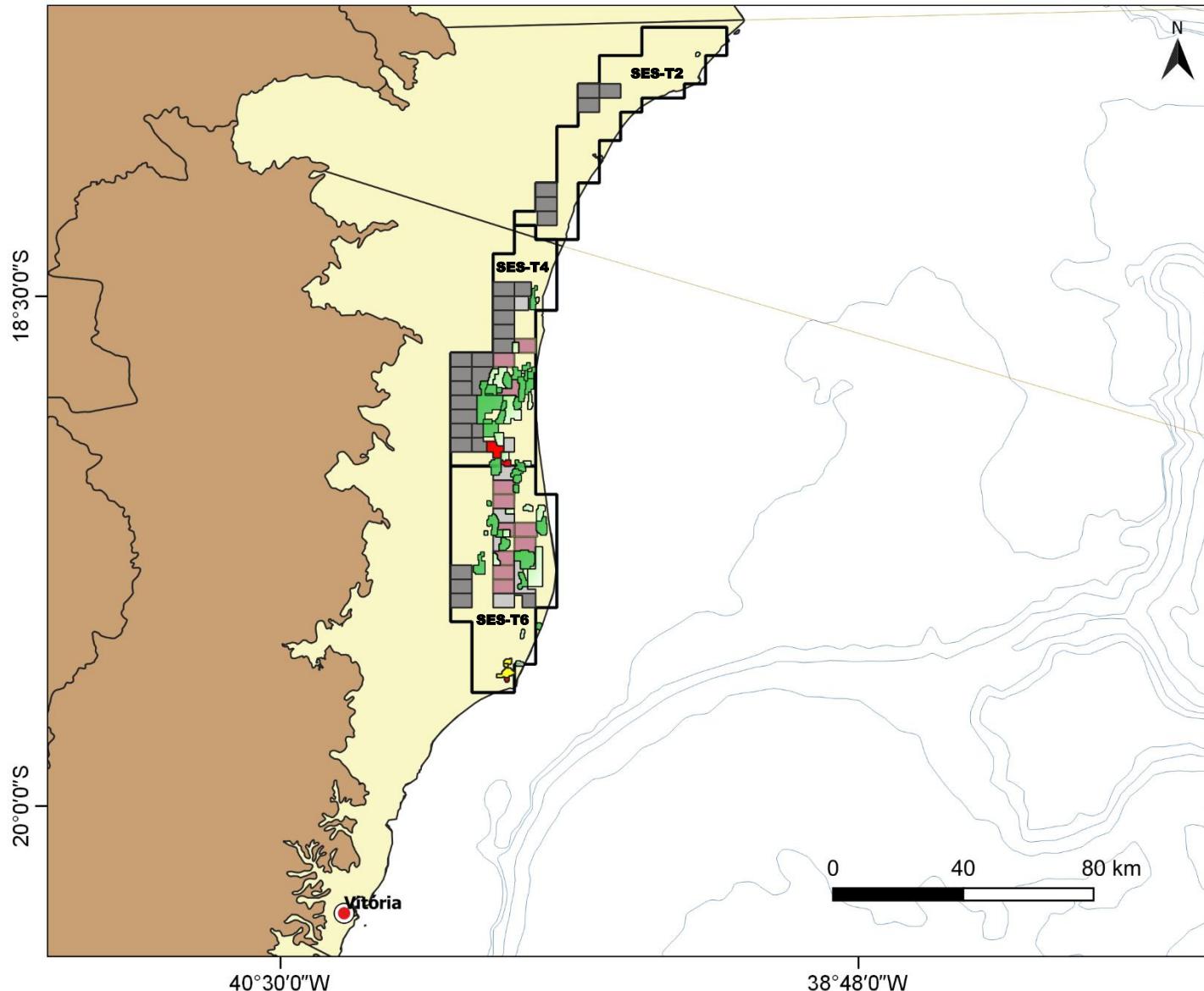
Petróleo

8,9

Mil bbl/dia

▼ 37%

BACIA DO ESPÍRITO-SANTO - TERRA



Blocos em Oferta

Blocos em concessão



R11/ R14



2º Ciclo Oferta Permanente



Campos em Produção



Acum. Marg. Oferta Permanente



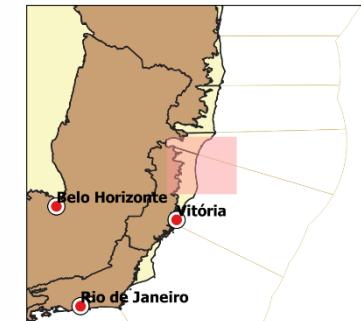
Desinvestimento BR



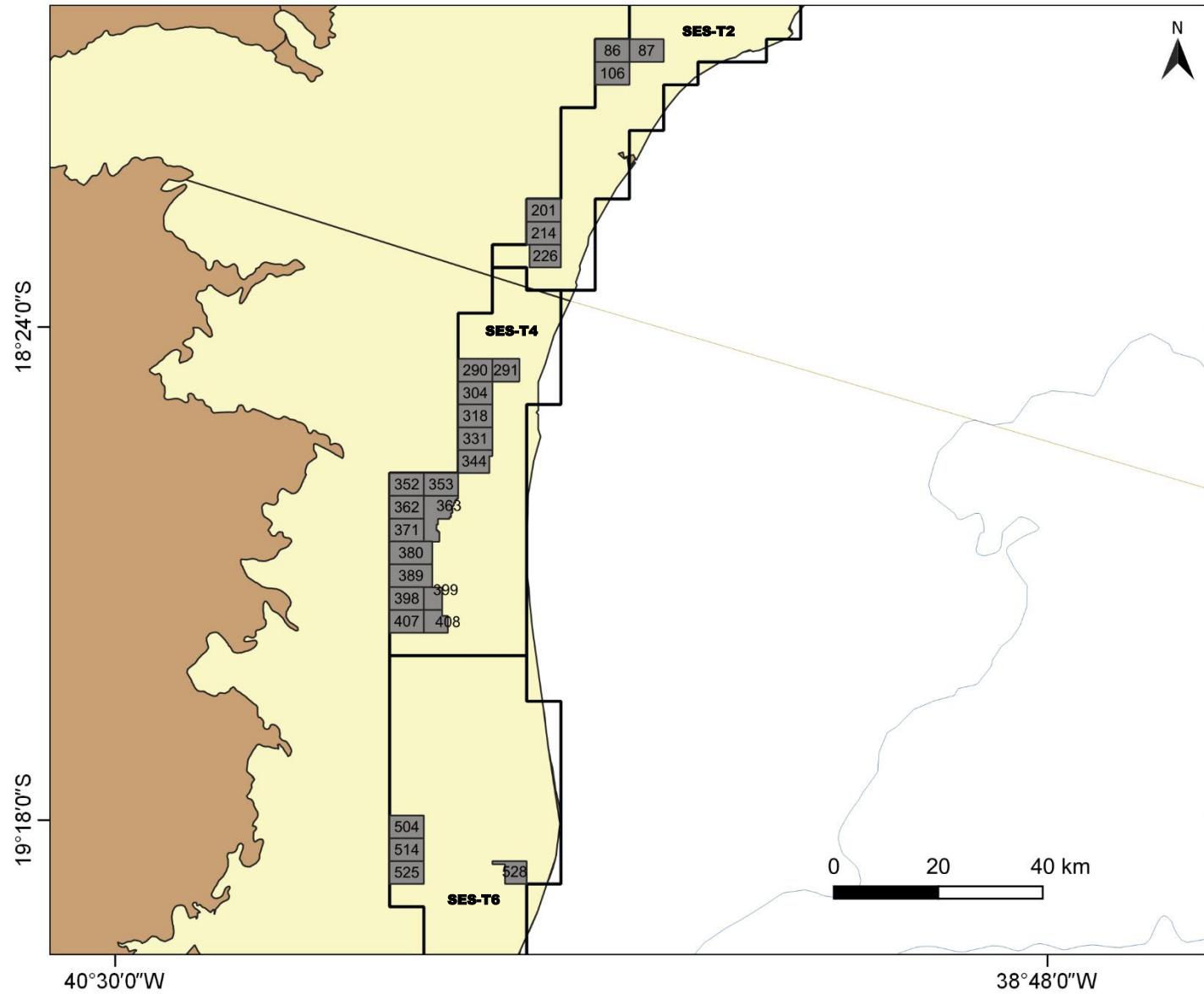
Teaser BR



Cedidos à outras empresas

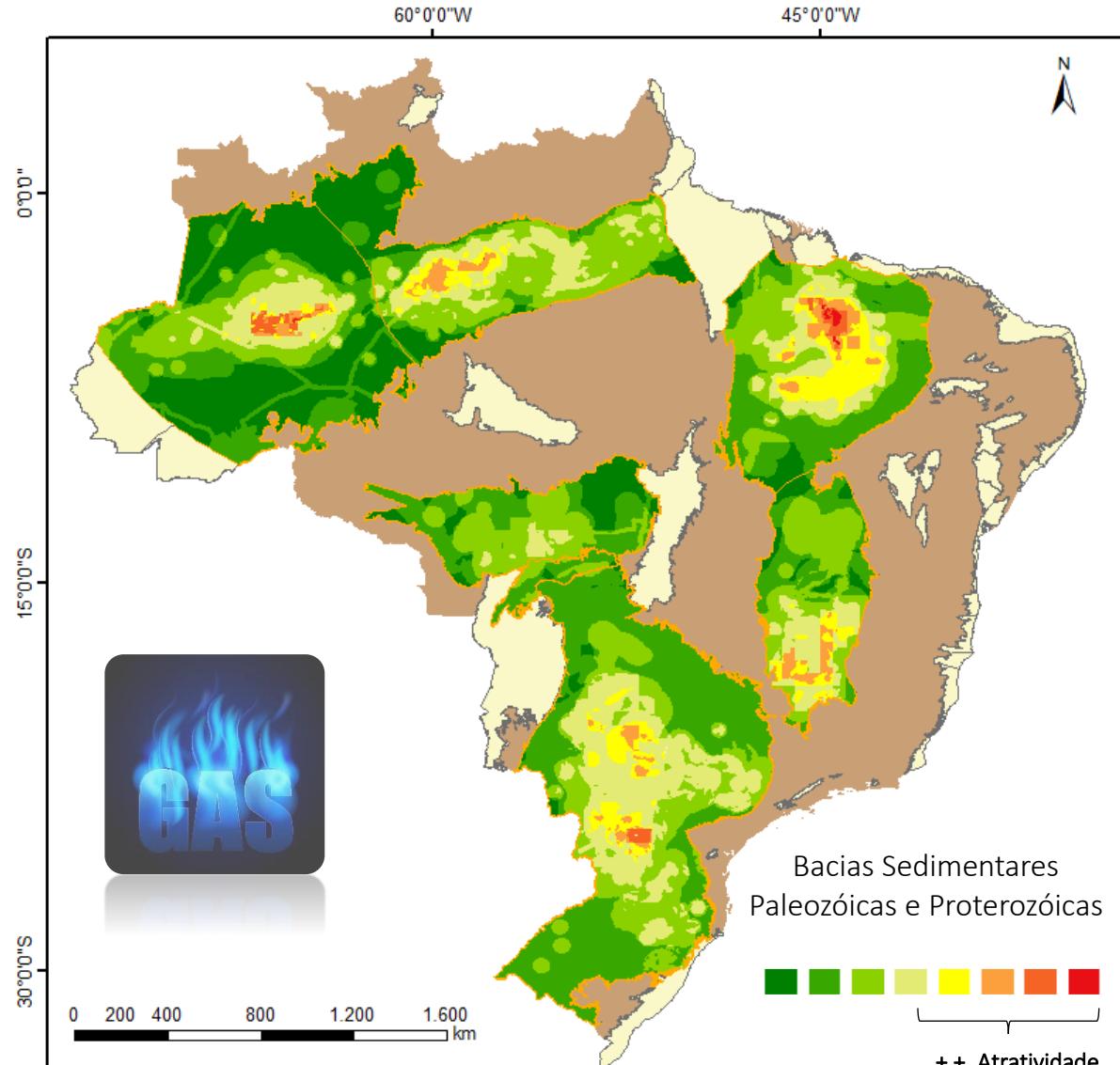
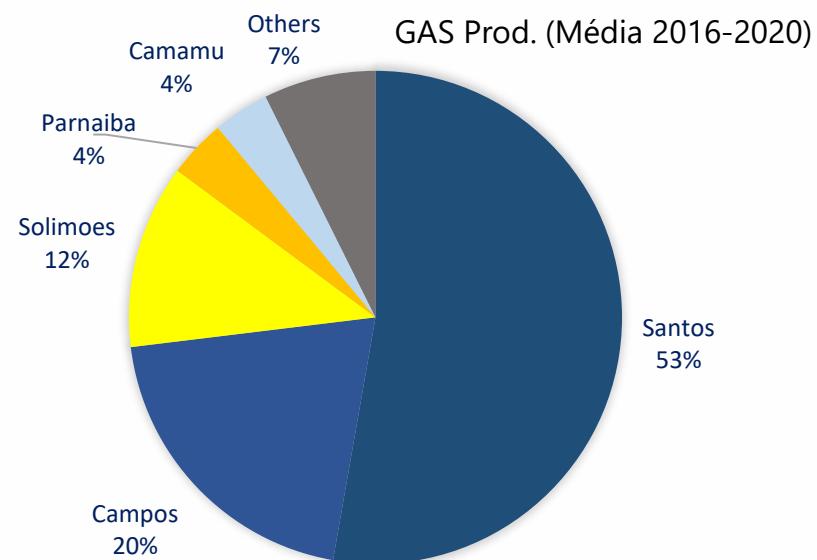
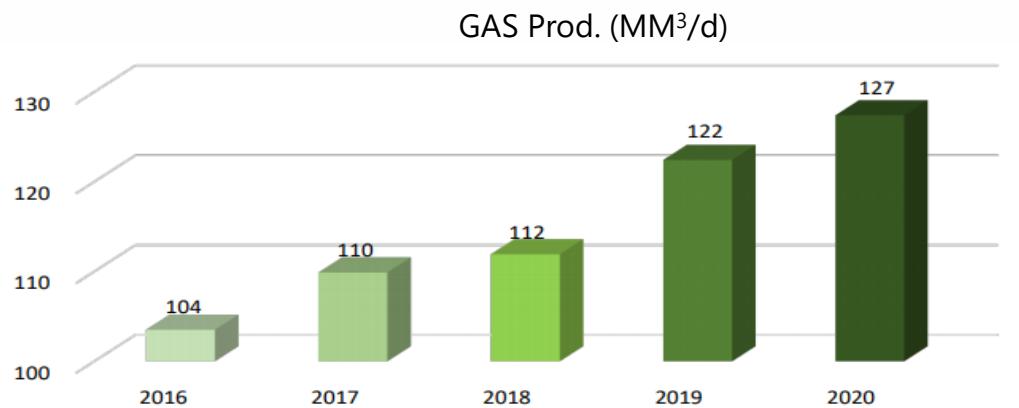


BACIA DO ESPÍRITO-SANTO - TERRA

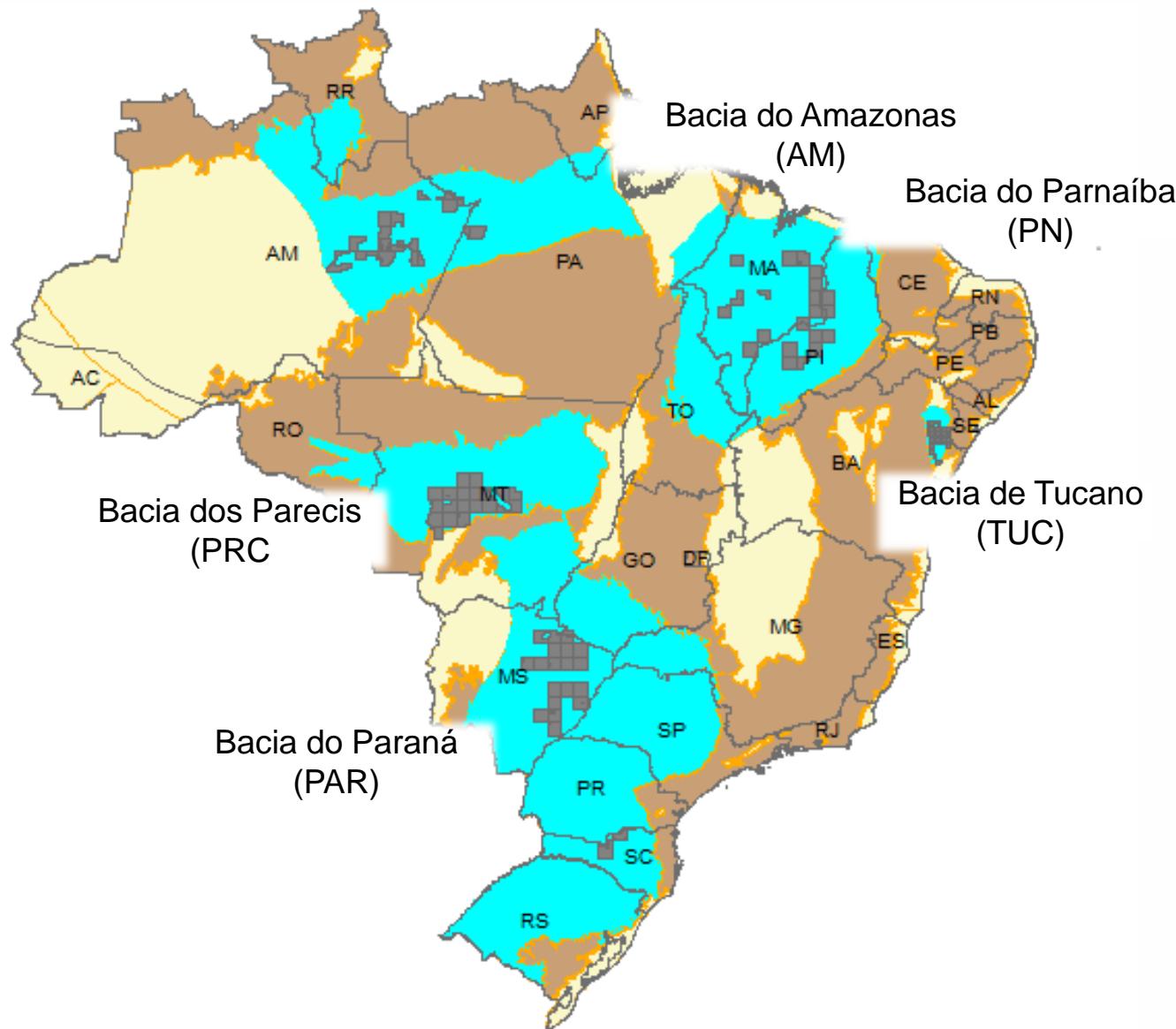


27 Blocos em Oferta

BACIAS DE FRONTEIRA - TERRA



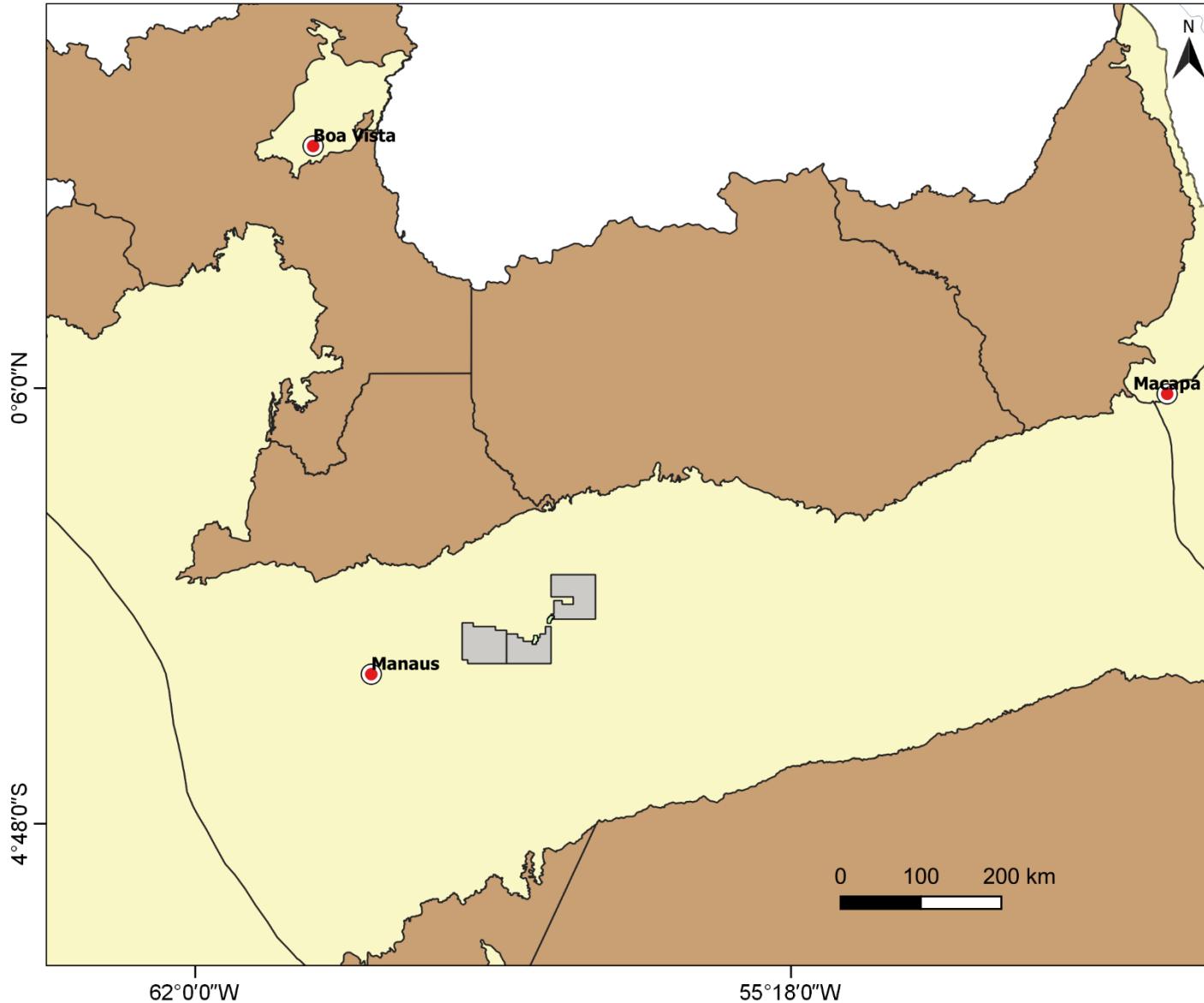
BACIAS DE FRONTEIRA TERRESTRES COM BLOCOS EM OFERTA



Blocos em Oferta

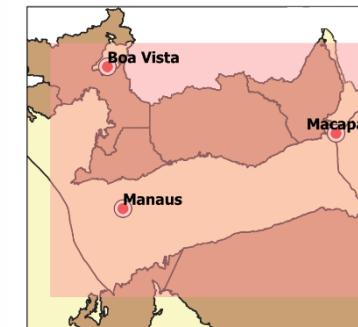
AM (21), PN (21), TUC (45),
PRC (20), e PAR (21)

BACIA DO AMAZONAS

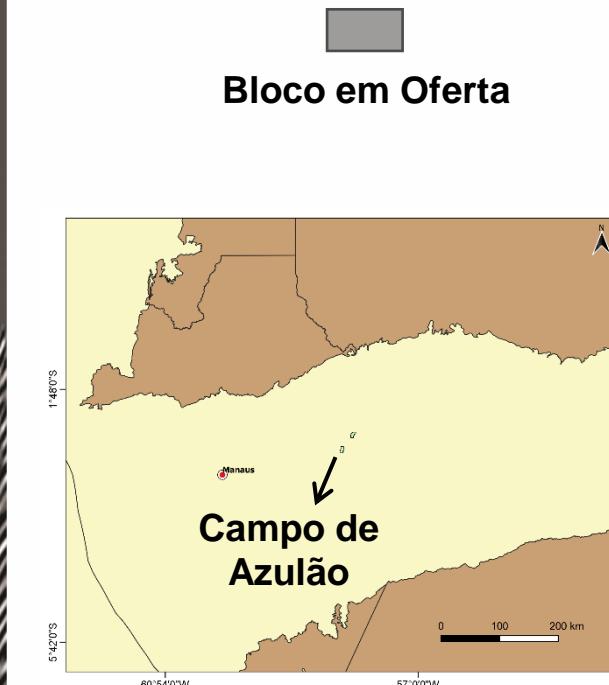
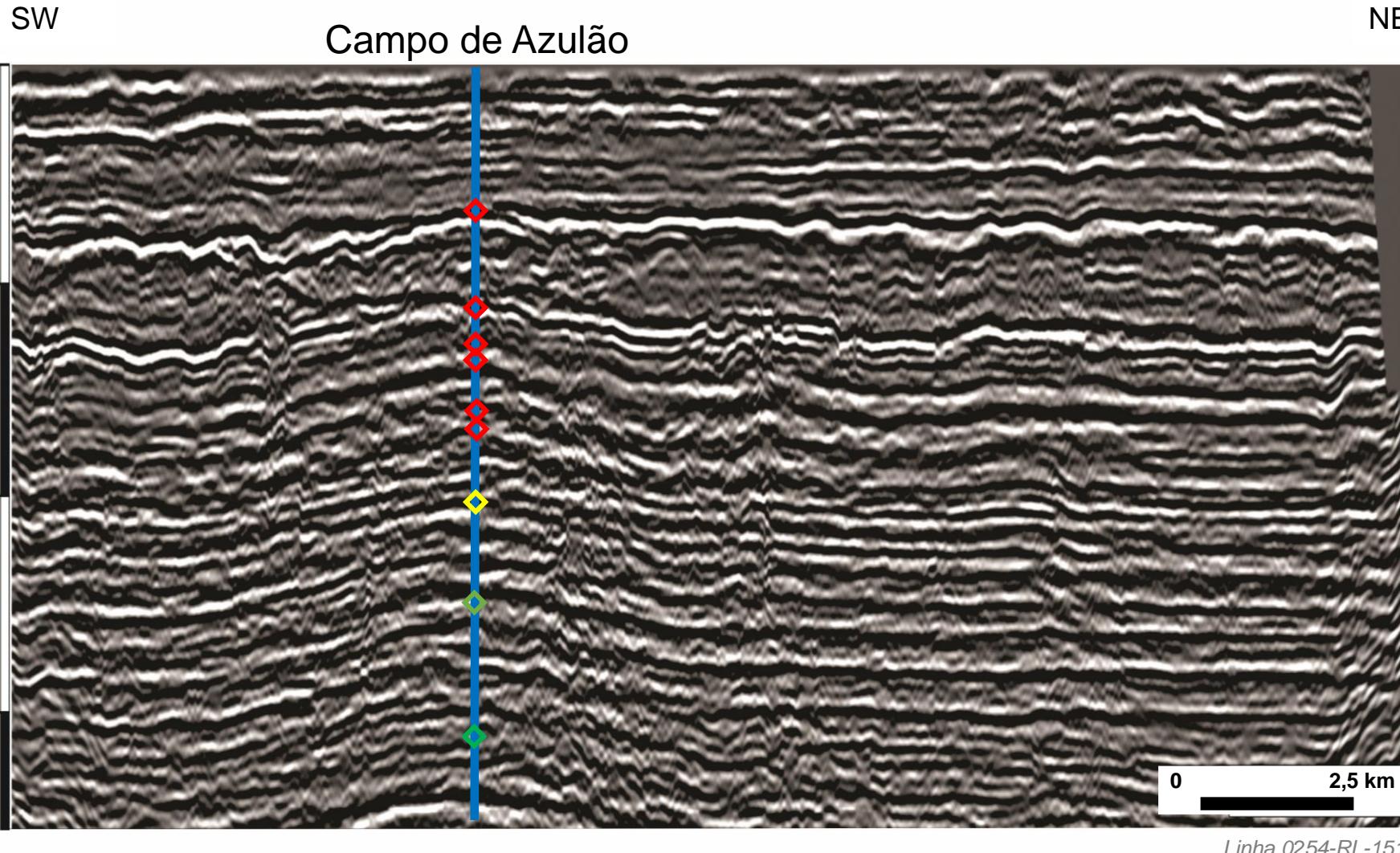


Blocos em concessão

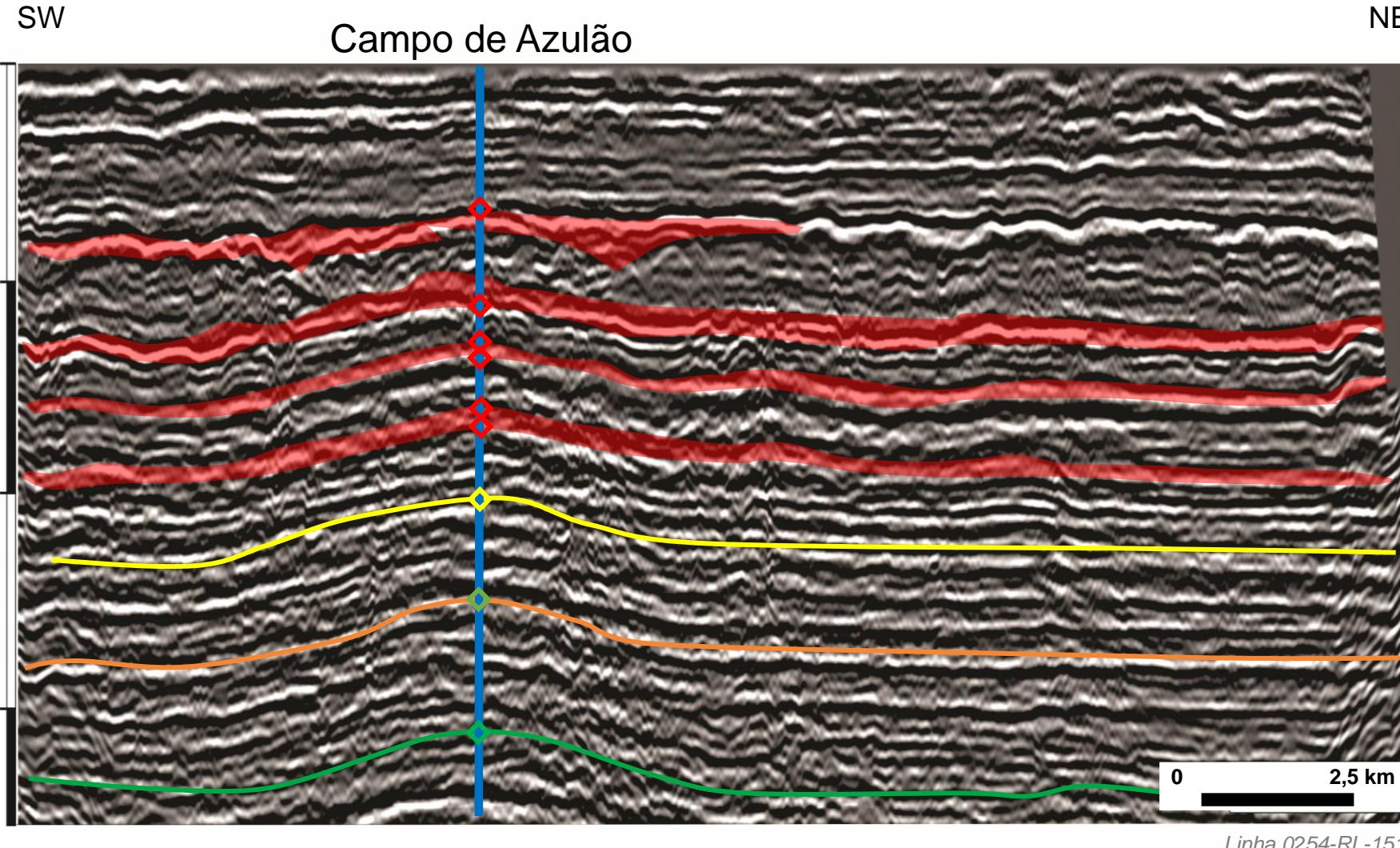
-  2º Ciclo Oferta Permanente
-  Campos em Produção



BACIA DO AMAZONAS



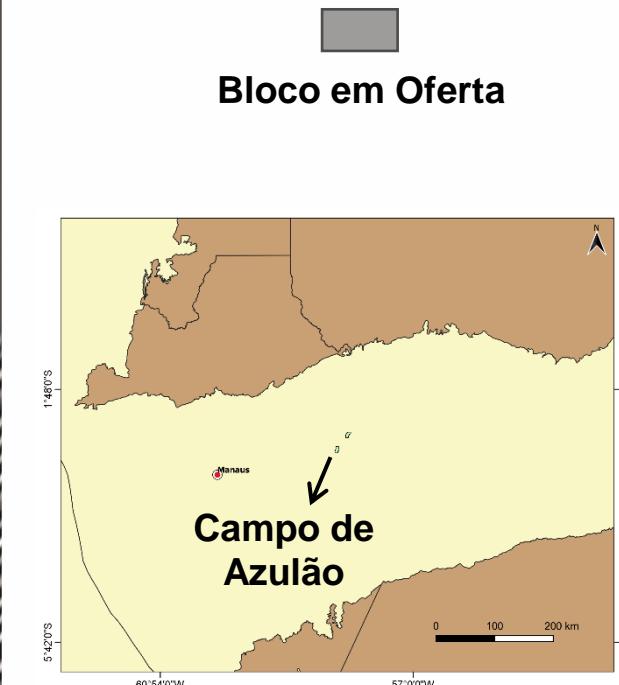
BACIA DO AMAZONAS



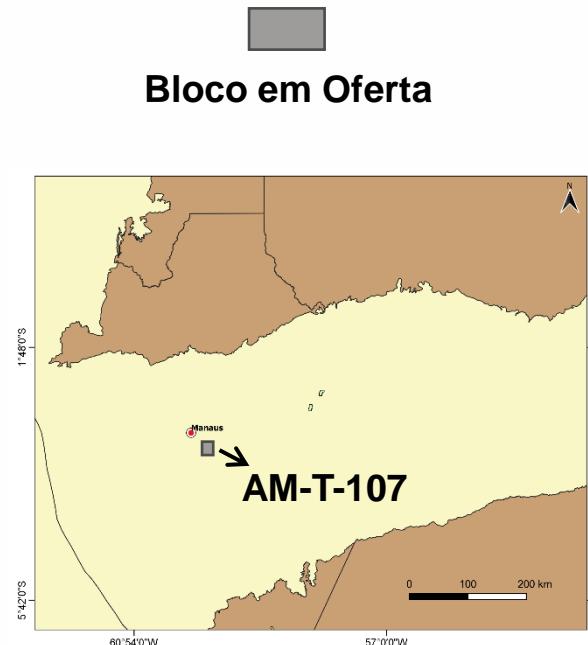
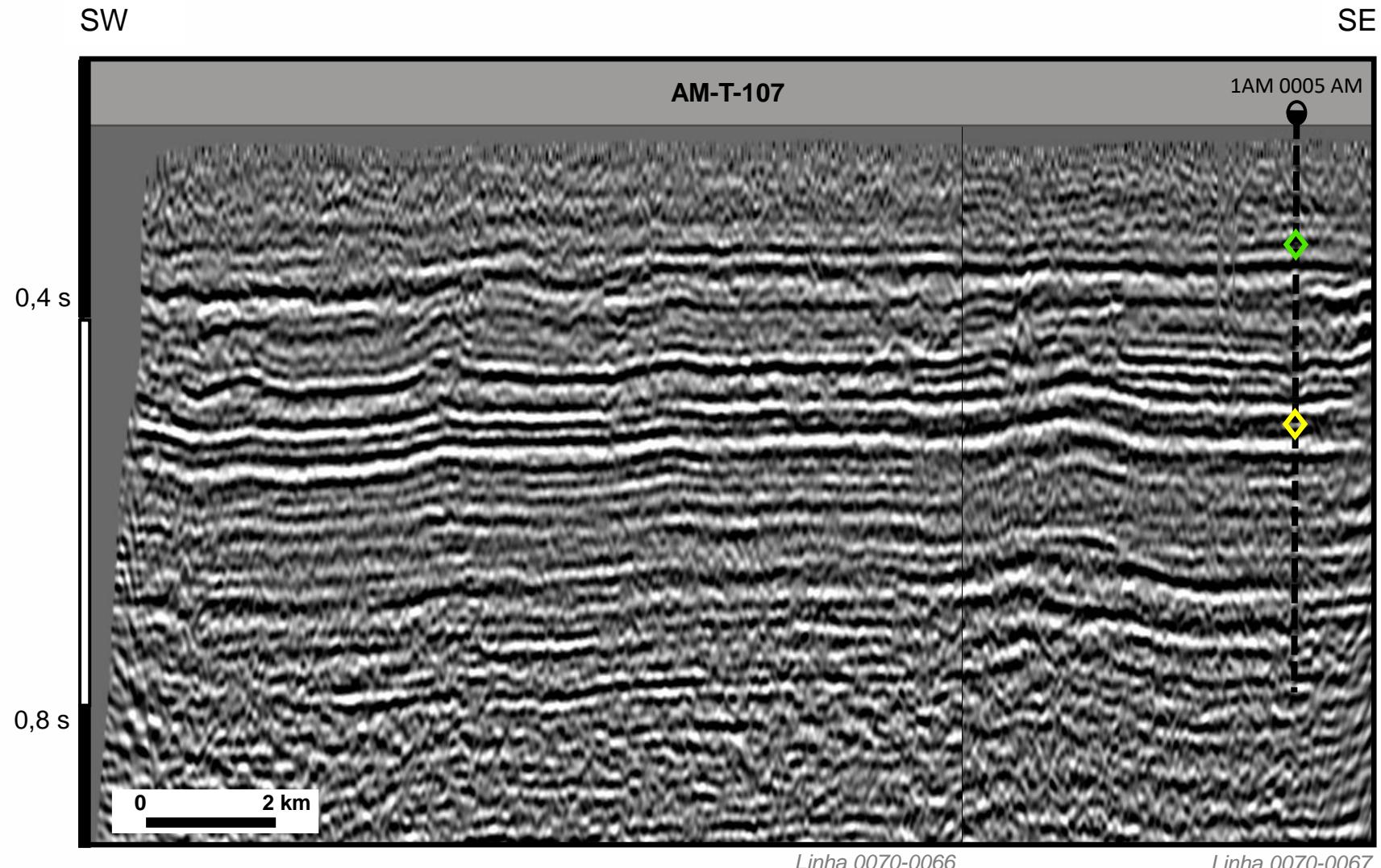
Formação Monte Alegre
Formação Barreirinha

Discordância Paloz-Cretáceo
Topo Reservatório Nova Olinda

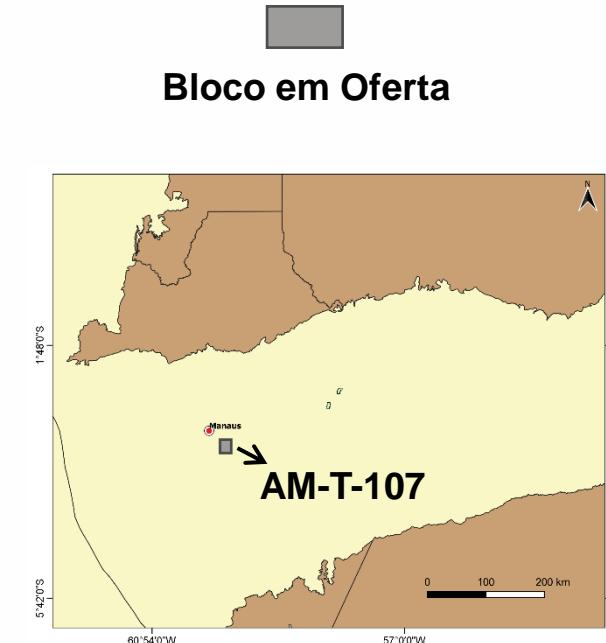
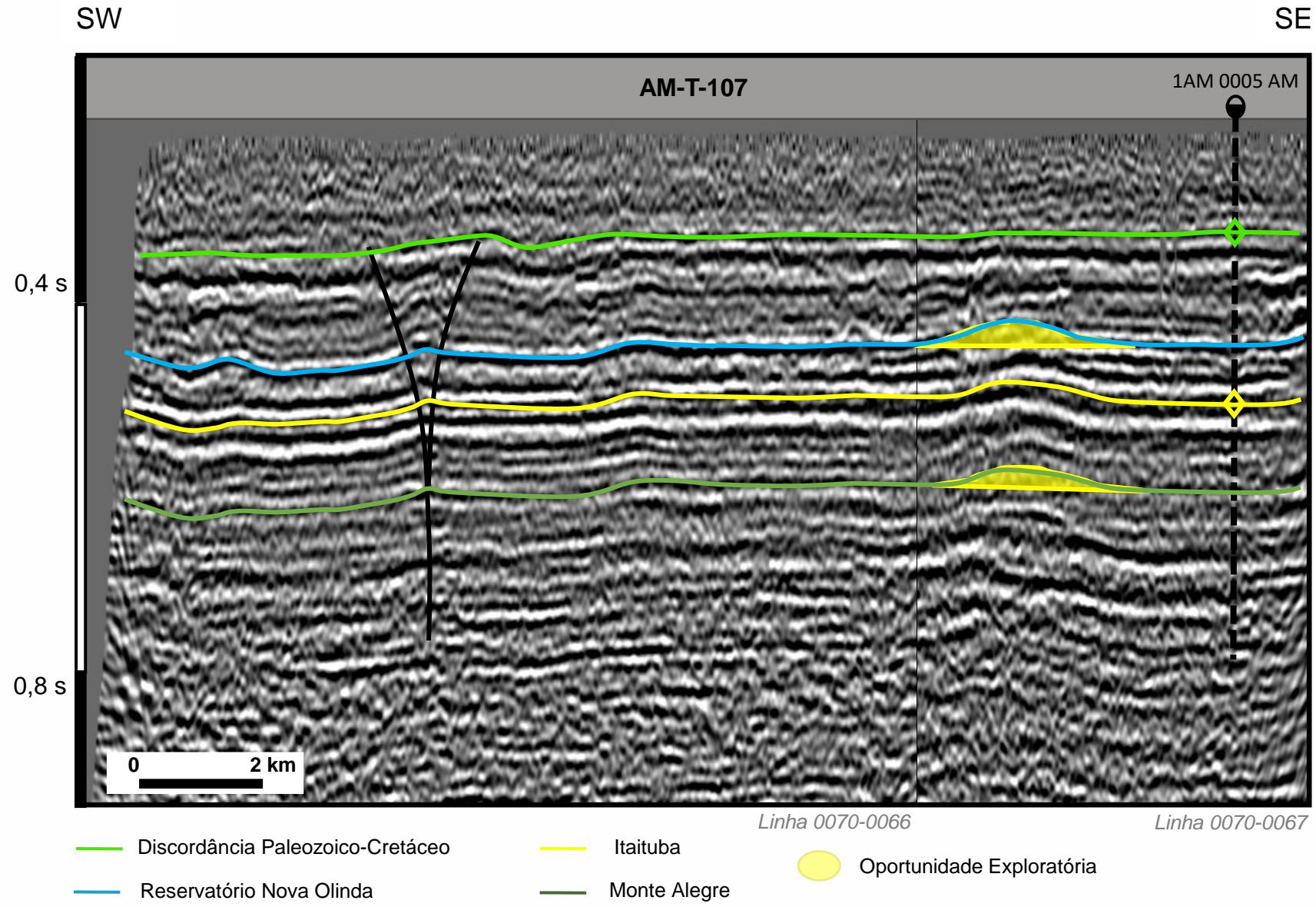
 Soleira ou regiões de espessamento de soleiras



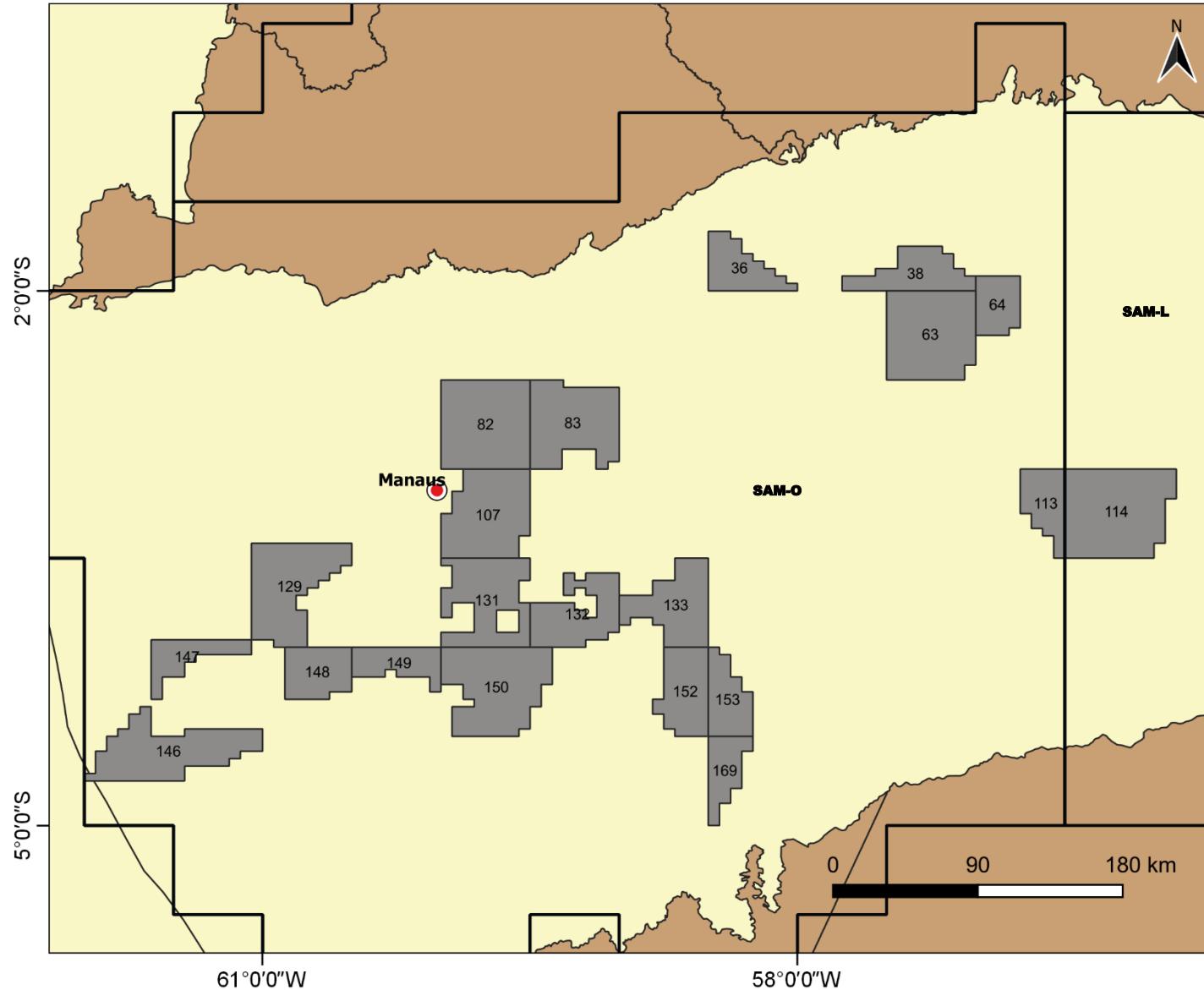
BACIA DO AMAZONAS



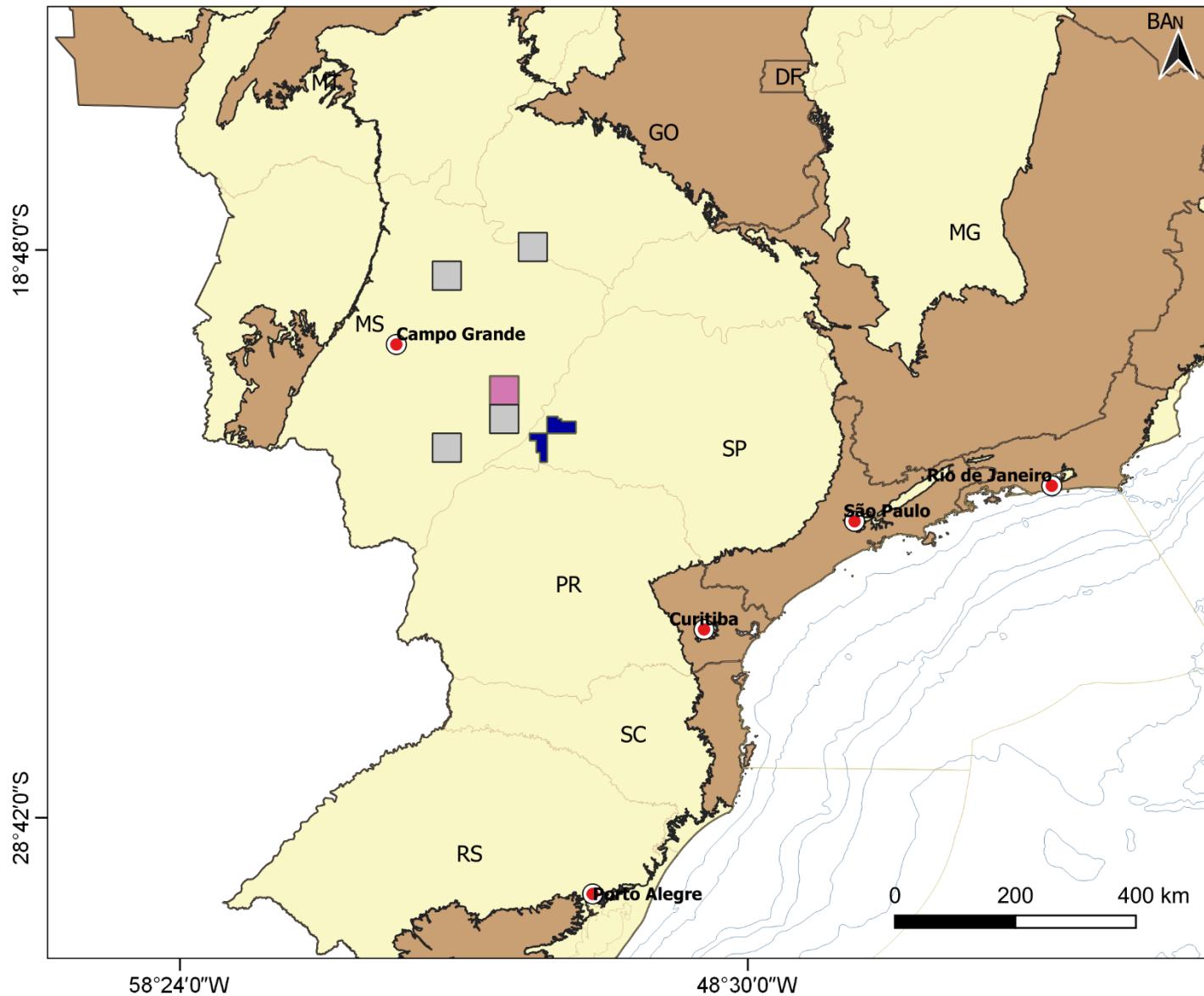
BACIA DO AMAZONAS



BACIA DO AMAZONAS



BACIA DO PARANÁ



Blocos em concessão



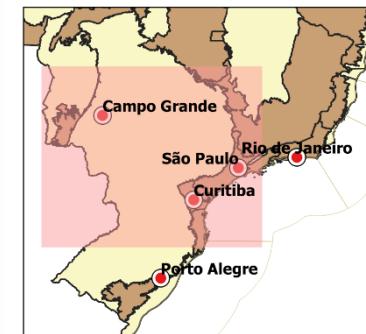
R12



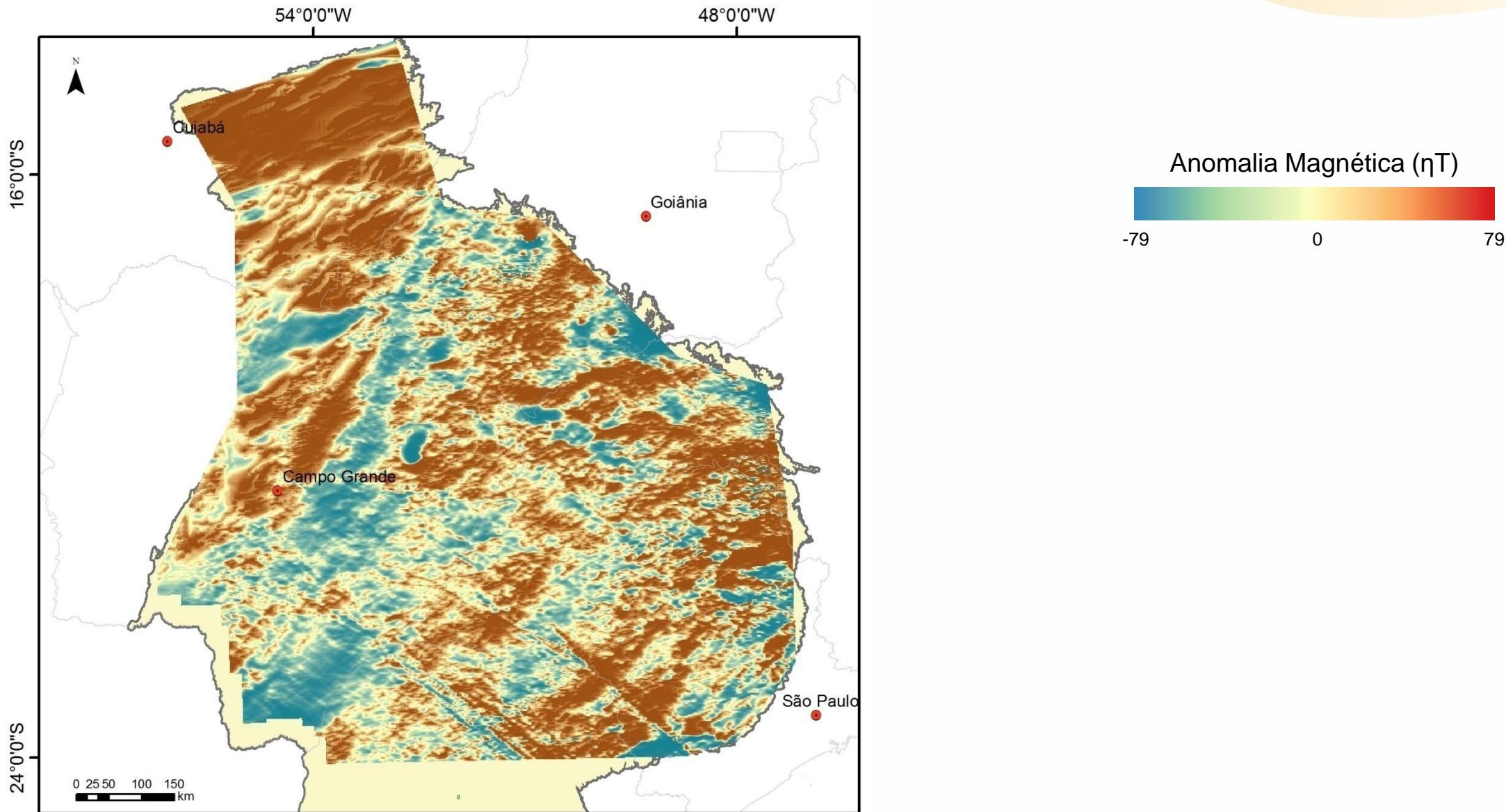
R14



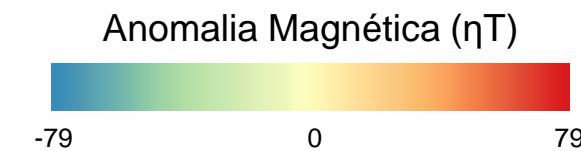
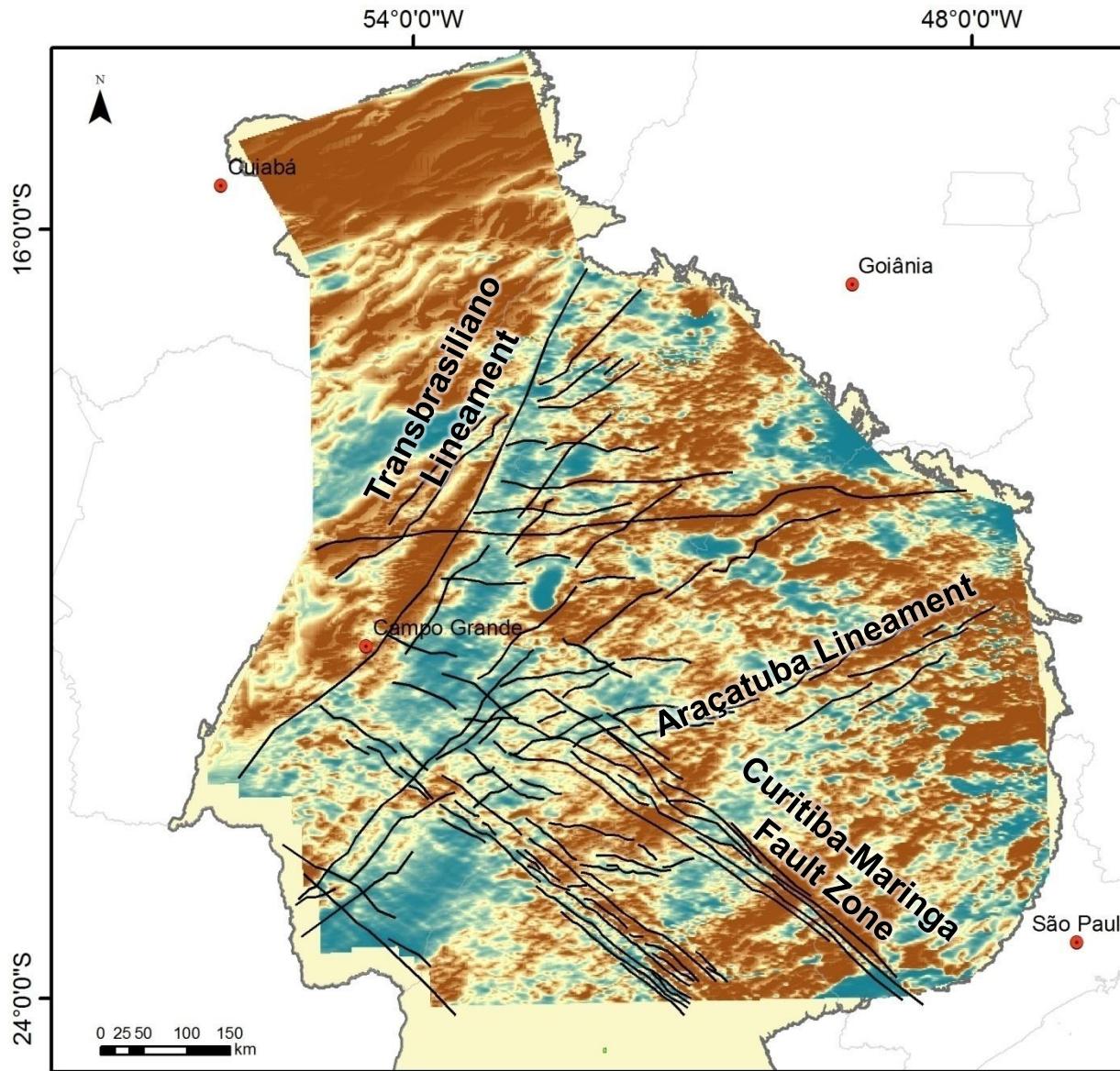
2º Ciclo Oferta Permanente



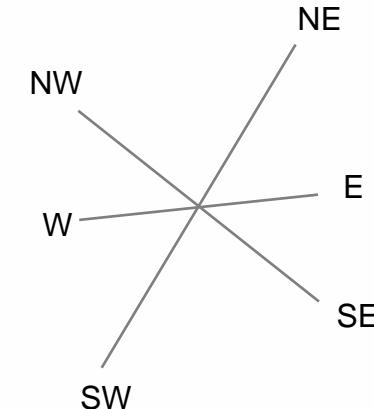
BACIA DO PARANÁ



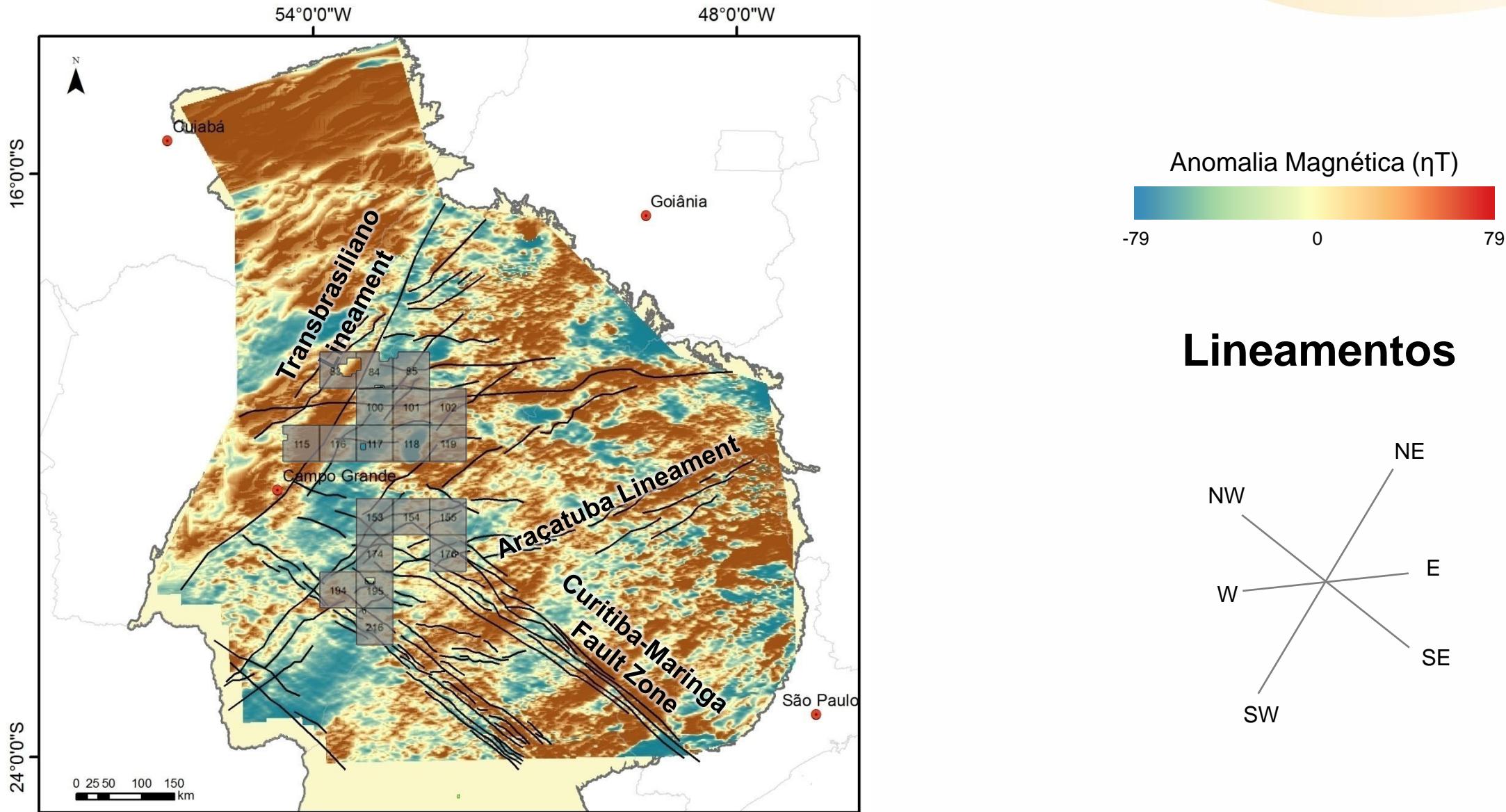
BACIA DO PARANÁ



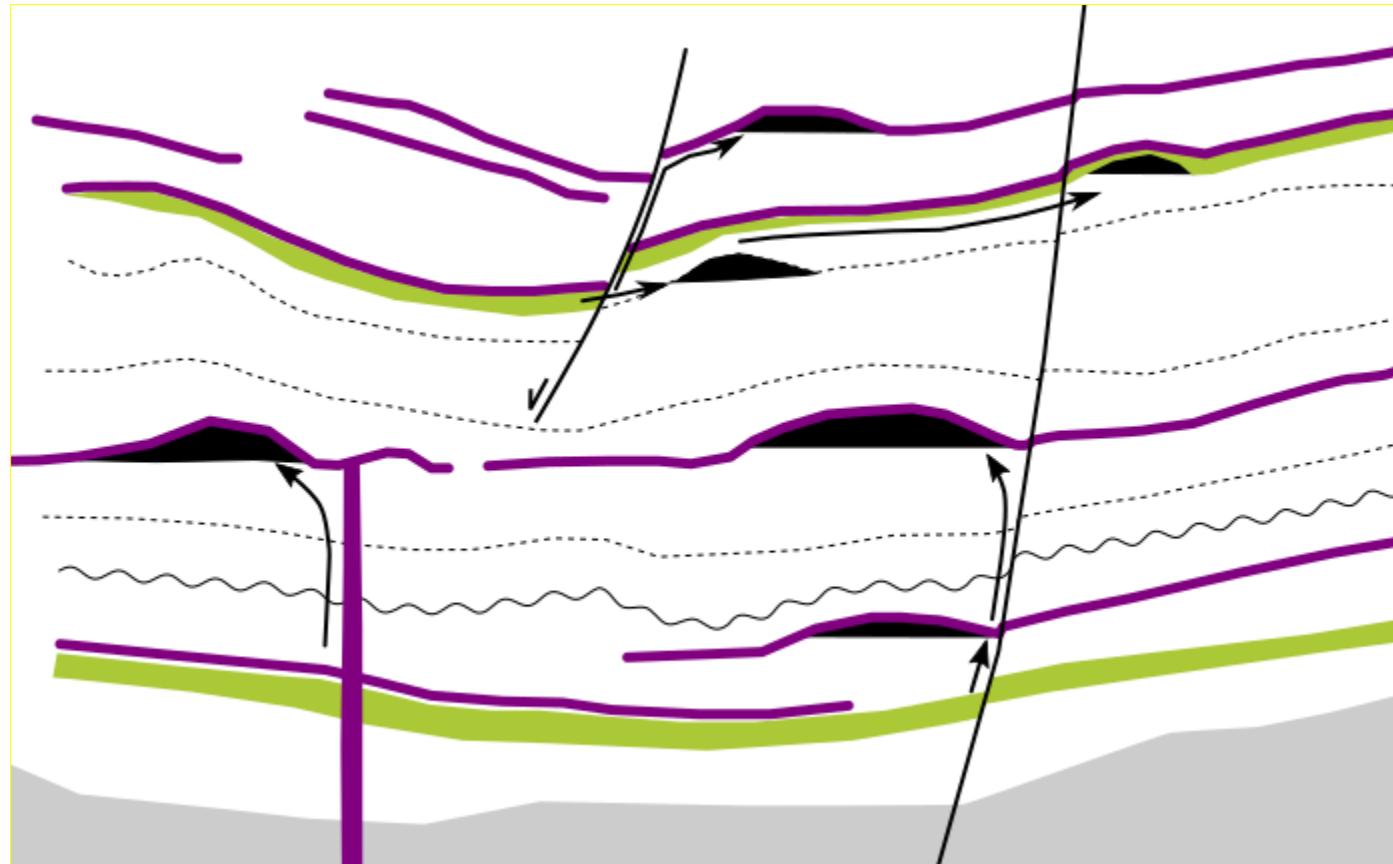
Lineamentos



BACIA DO PARANÁ



BACIA DO PARANÁ



Irati

Ponta
Grossa



Gerador

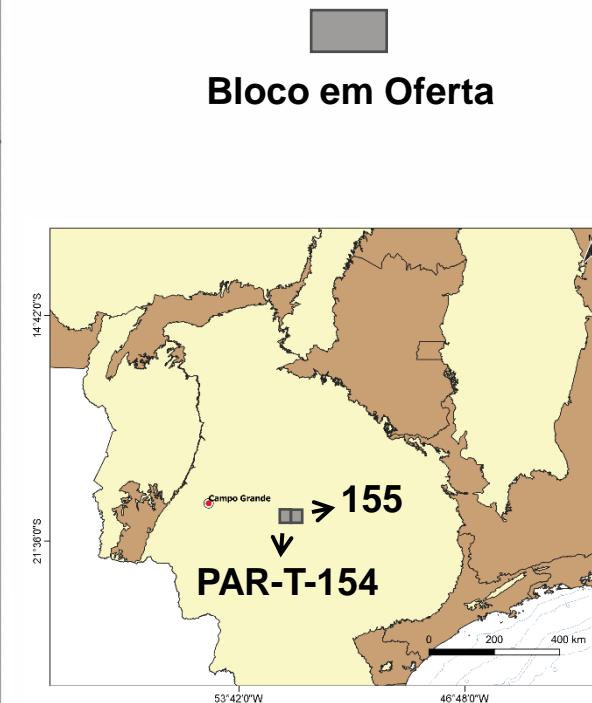
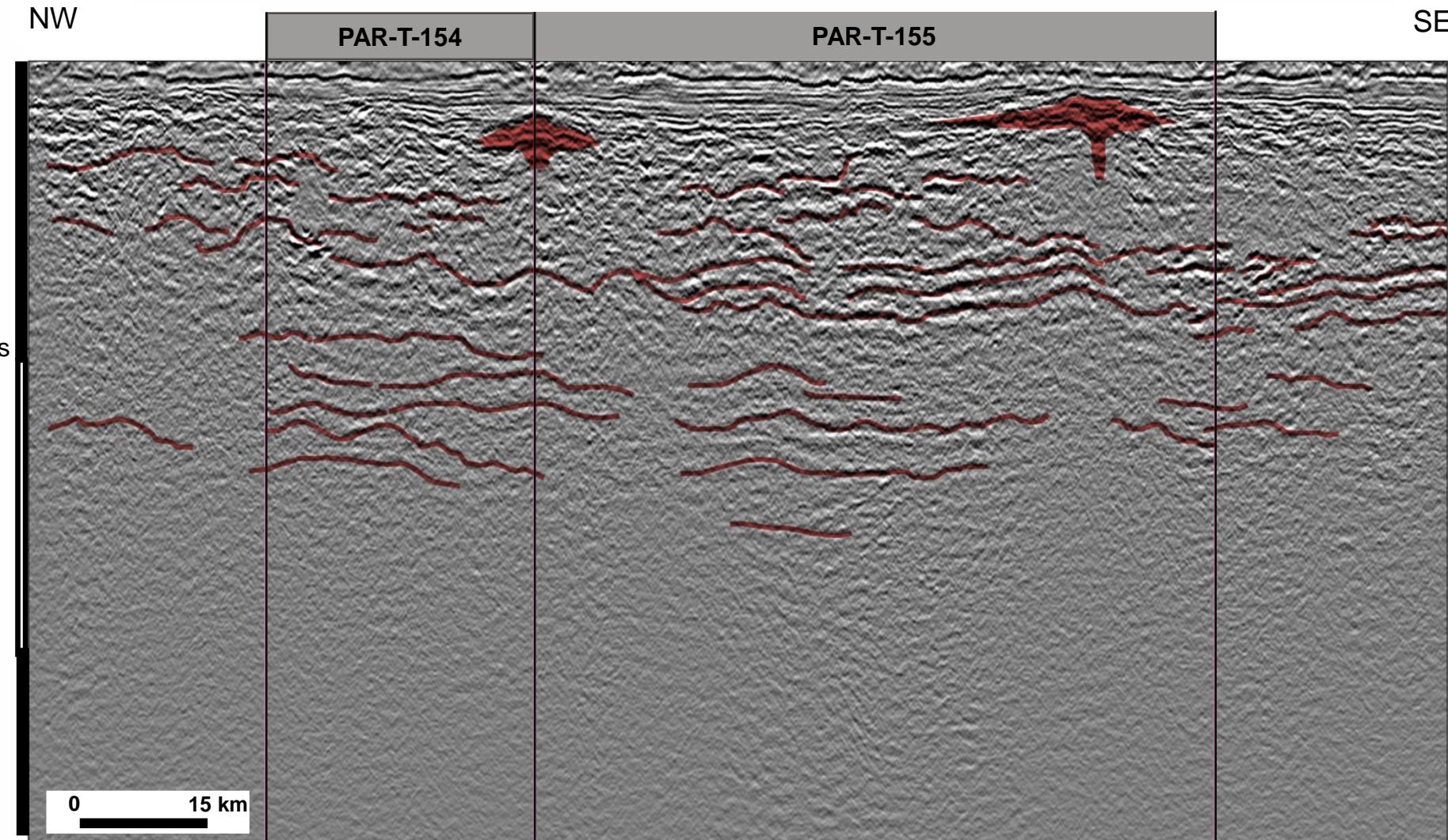


Intrusiva



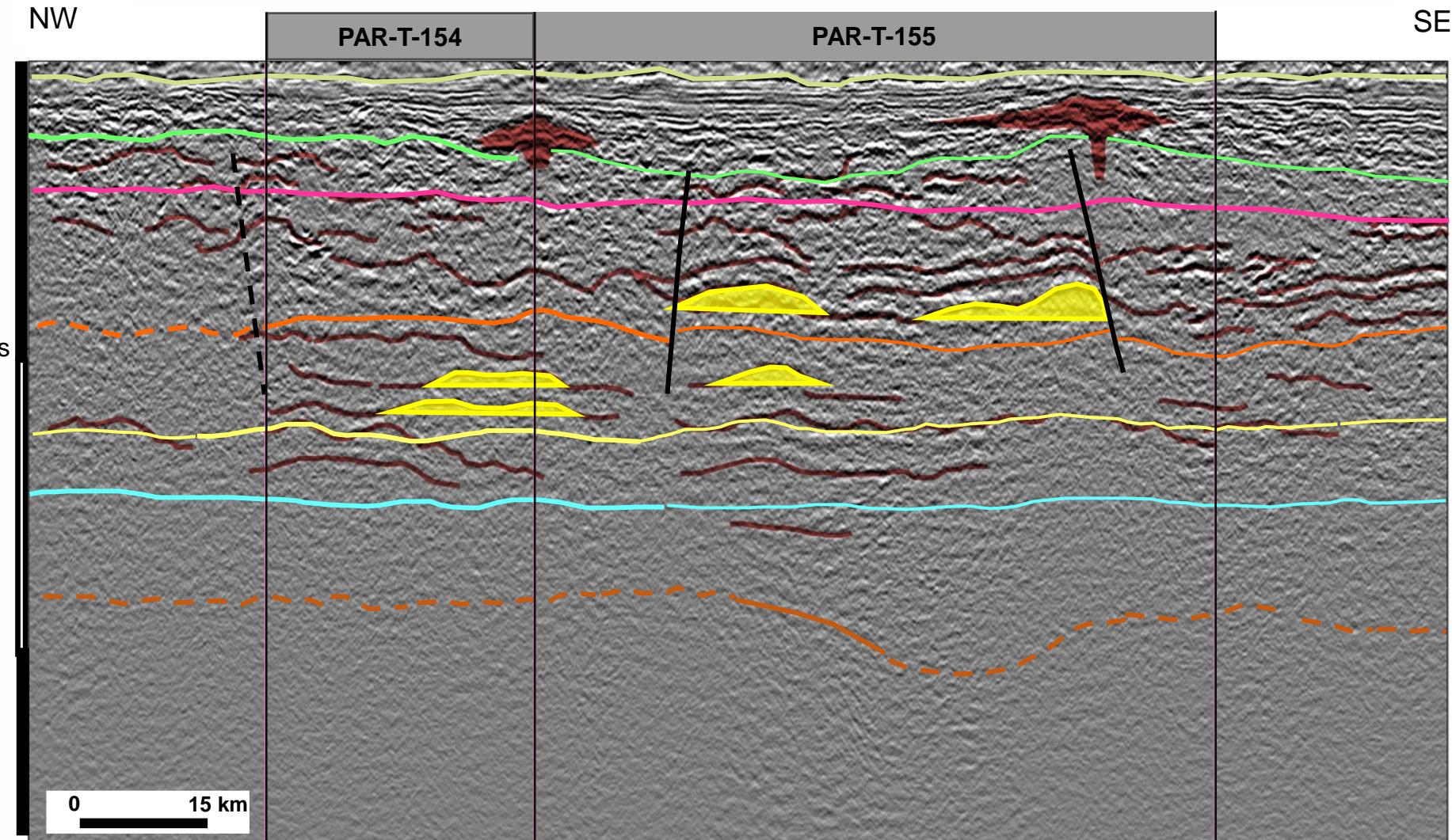
Embasamento

BACIA DO PARANÁ

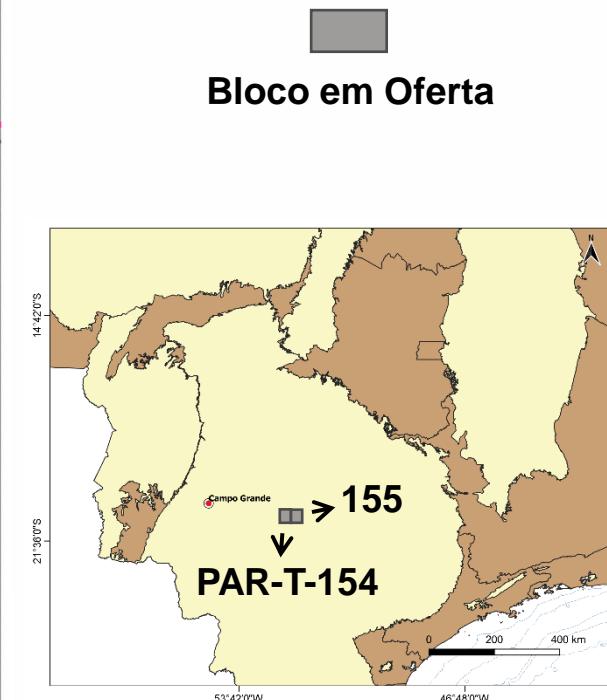


Linha 0314-0010 [0319_VIBRO2D-ANP-PARANA]

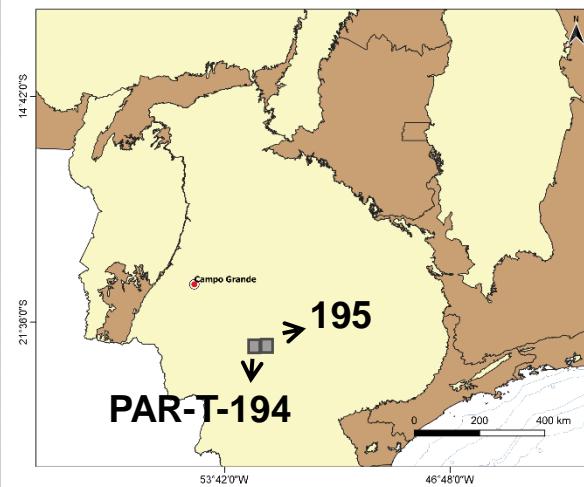
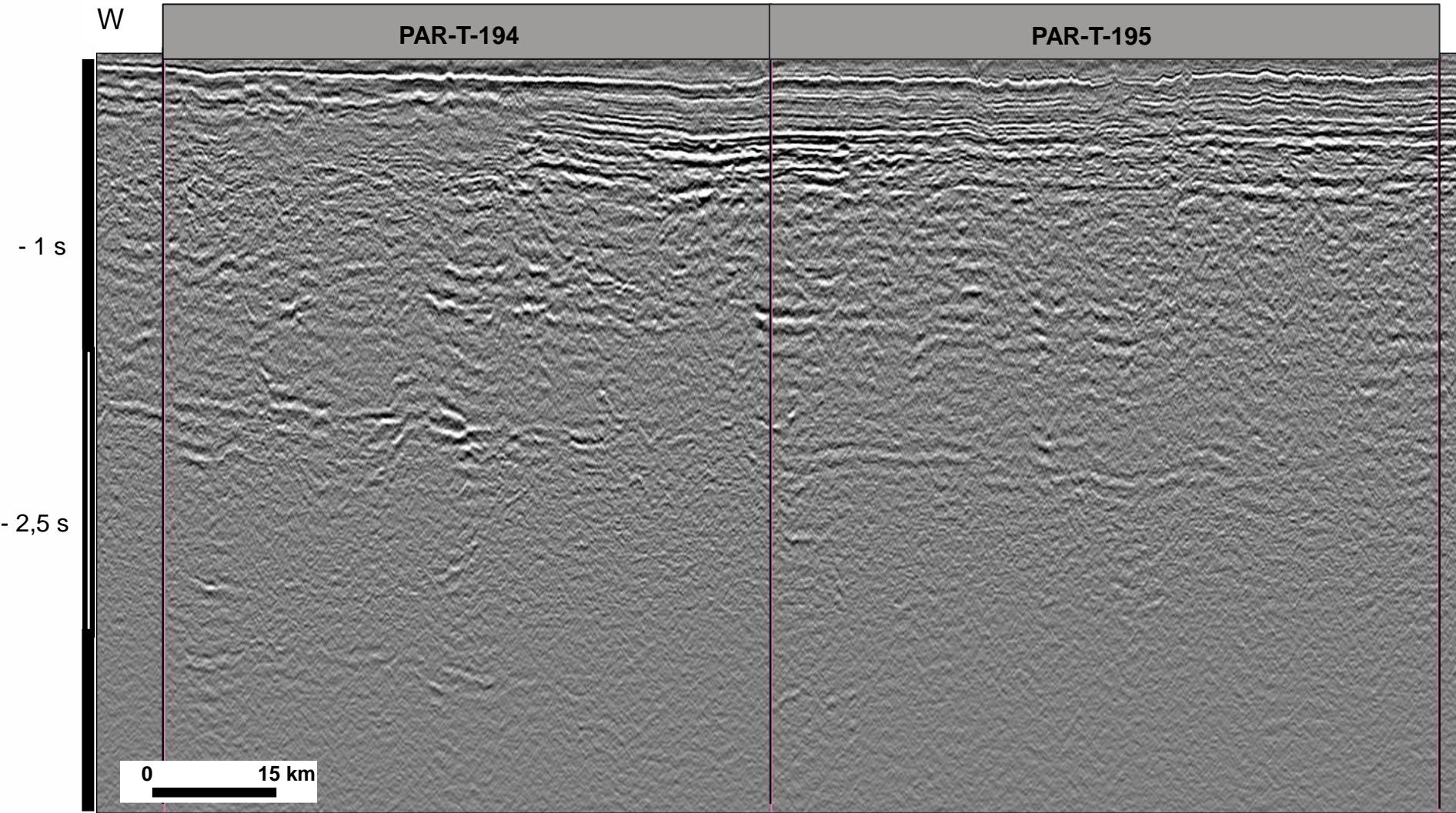
BACIA DO PARANÁ



Linha 0314-0010 [0319 VIBRO2D-ANP-PARANA]

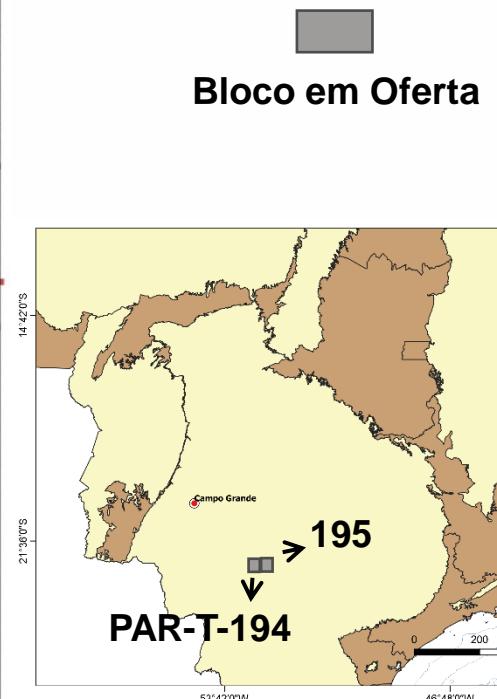
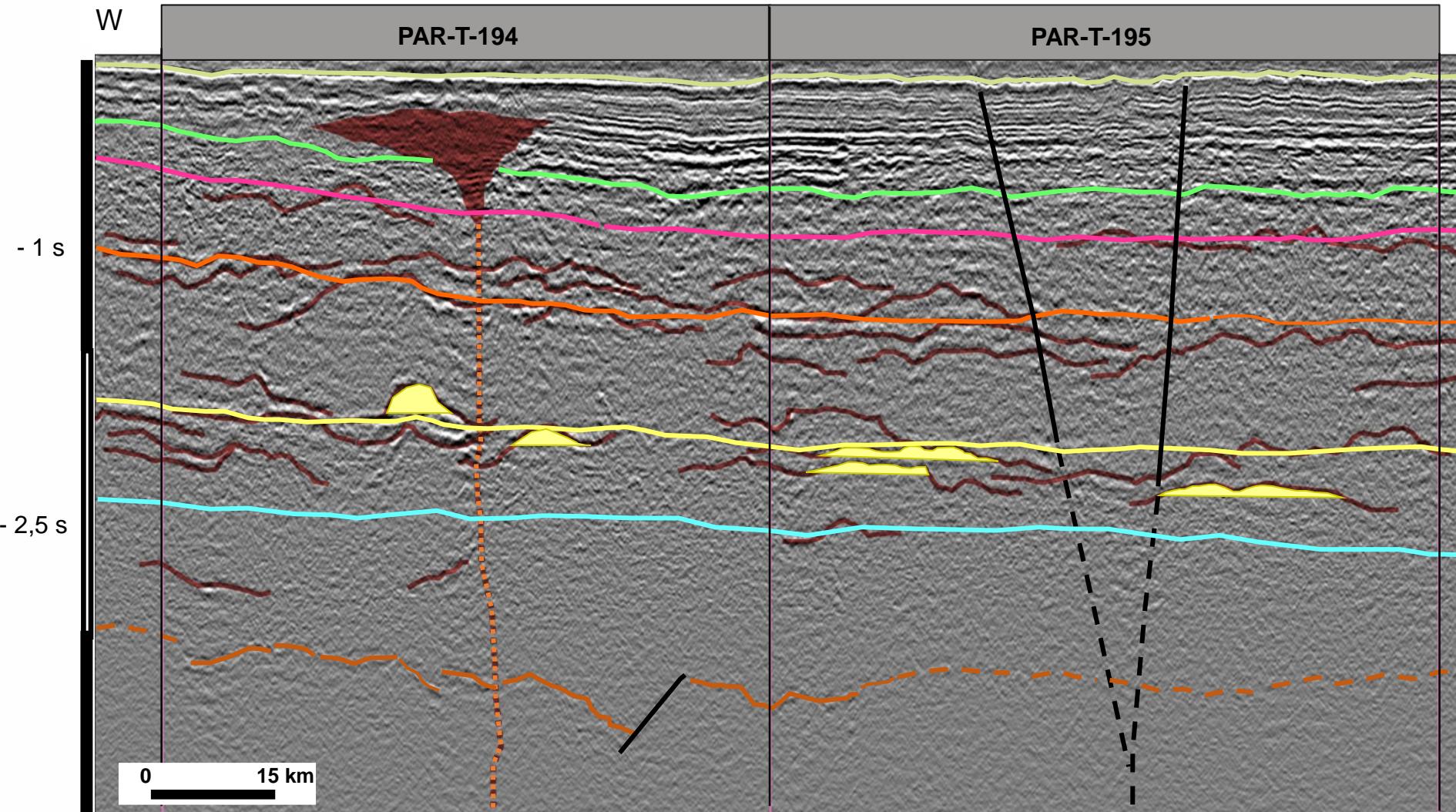


BACIA DO PARANÁ



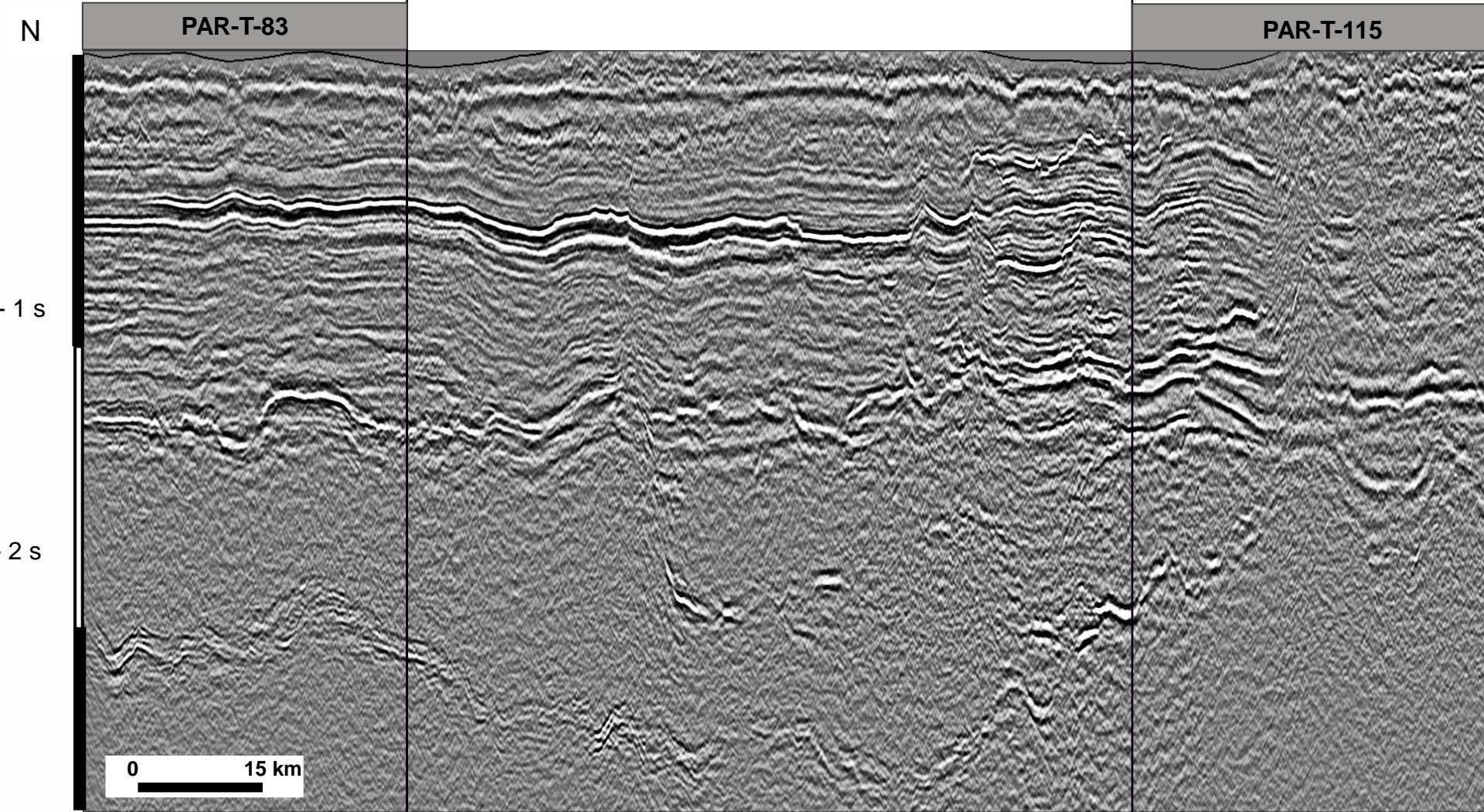
Linha 0314-0002 [0319_VIBRO2D-ANP-PARANA]

BACIA DO PARANÁ



Valanginiano	Triássico	Devoniano	Embasamento
Barremiano	Cisuraliano	Siluriano	
			Oportunidade Exploratória

BACIA DO PARANÁ

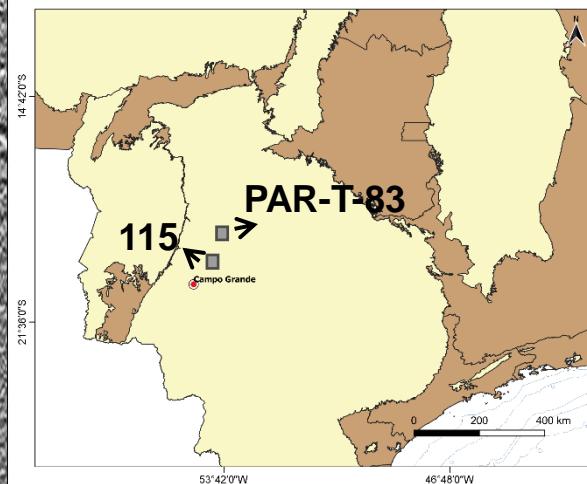


Linha 0314-0002 [0319_VIBRO2D-ANP-PARANA]

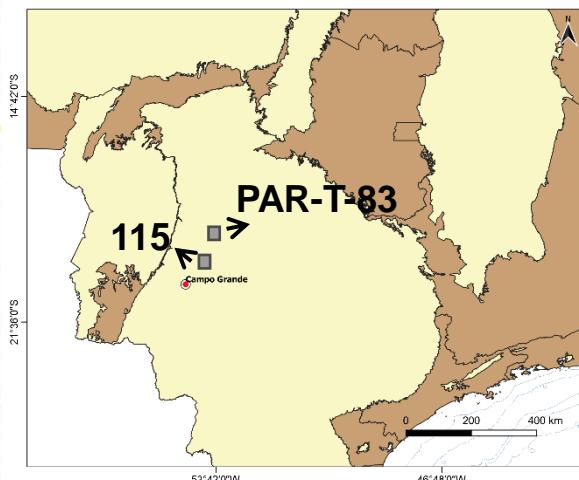
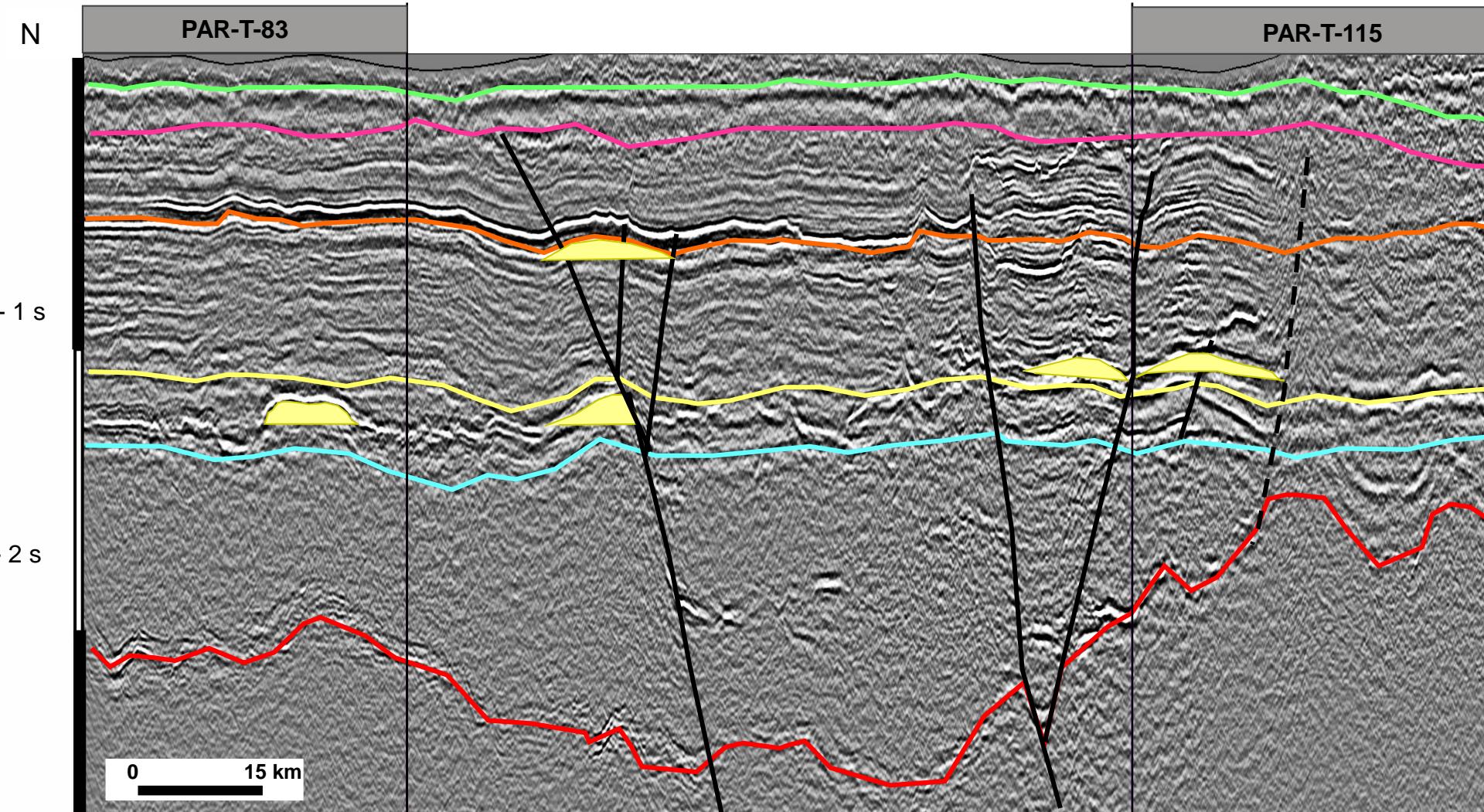
S



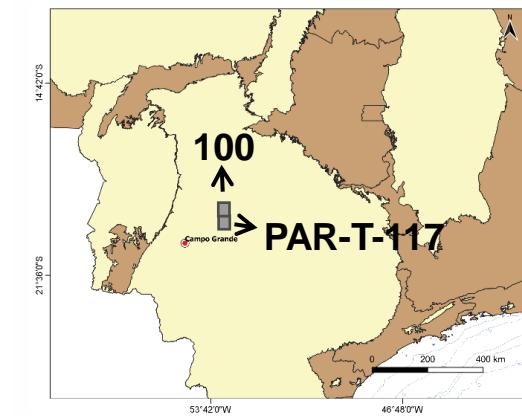
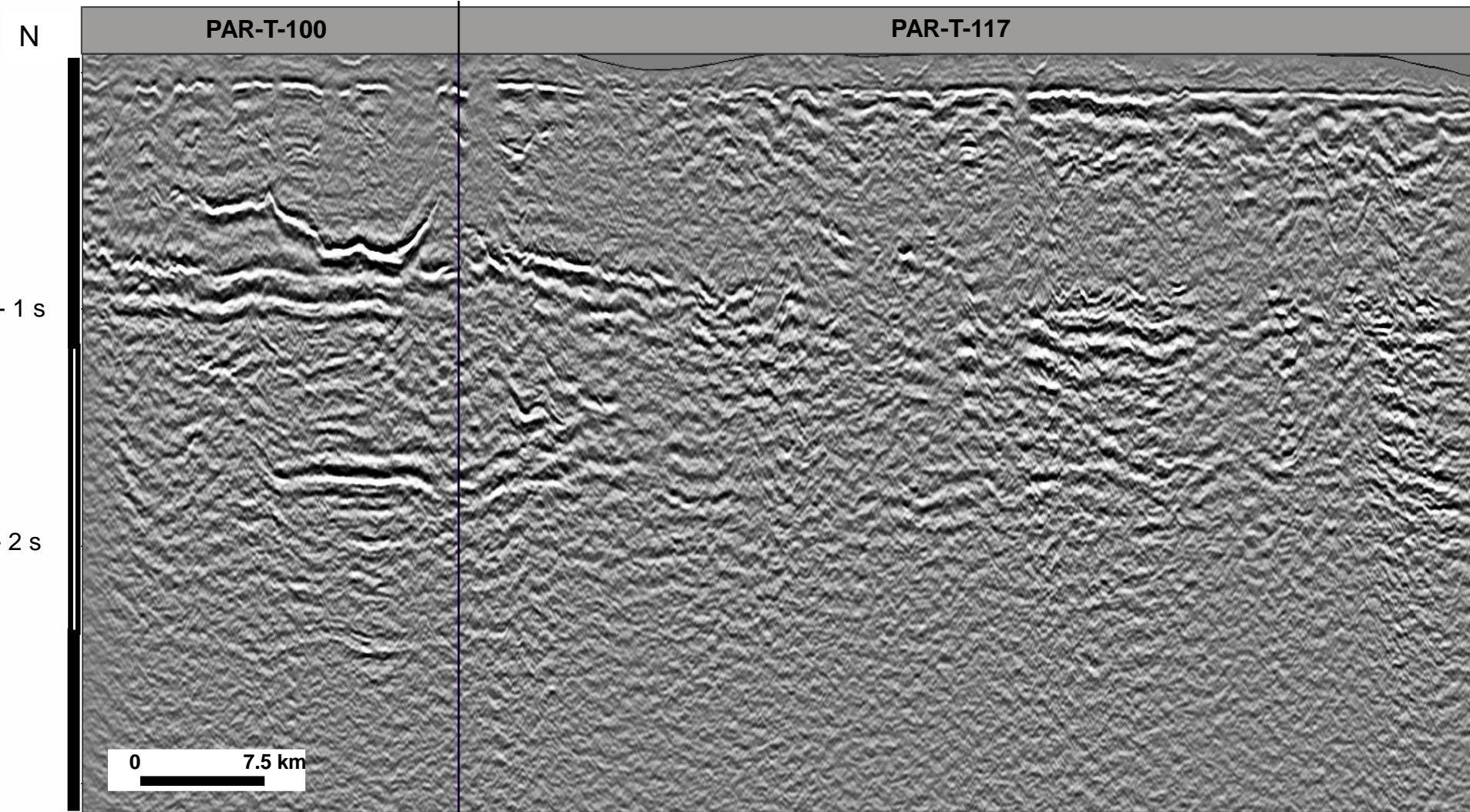
Bloco em Oferta



BACIA DO PARANÁ

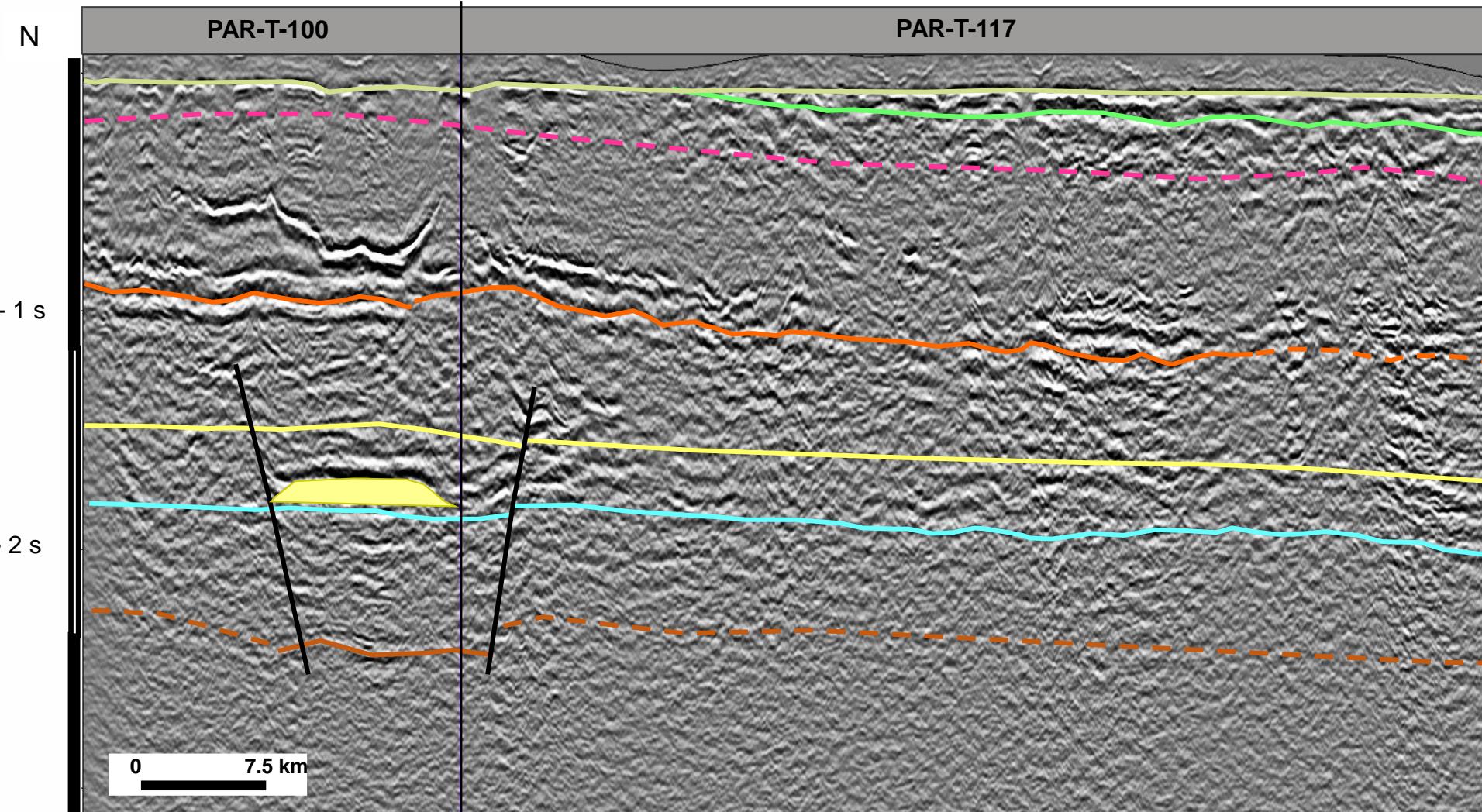


BACIA DO PARANÁ



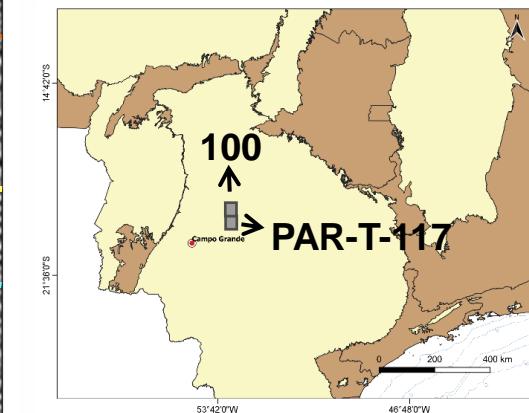
Linha 0314-0026 [0319 VIBRO2D-ANP-PARANA]

BACIA DO PARANÁ



S

Bloco em Oferta



Valanginiano

Triássico

Devoniano

Embasamento

Barremiano

Cisuraliano

Siluriano

Oportunidade Exploratória

Linha 0314-0026 [0319 VIBRO2D-ANP-PARANA]

BACIA DO PARANÁ

NW

115

PAR-T-116

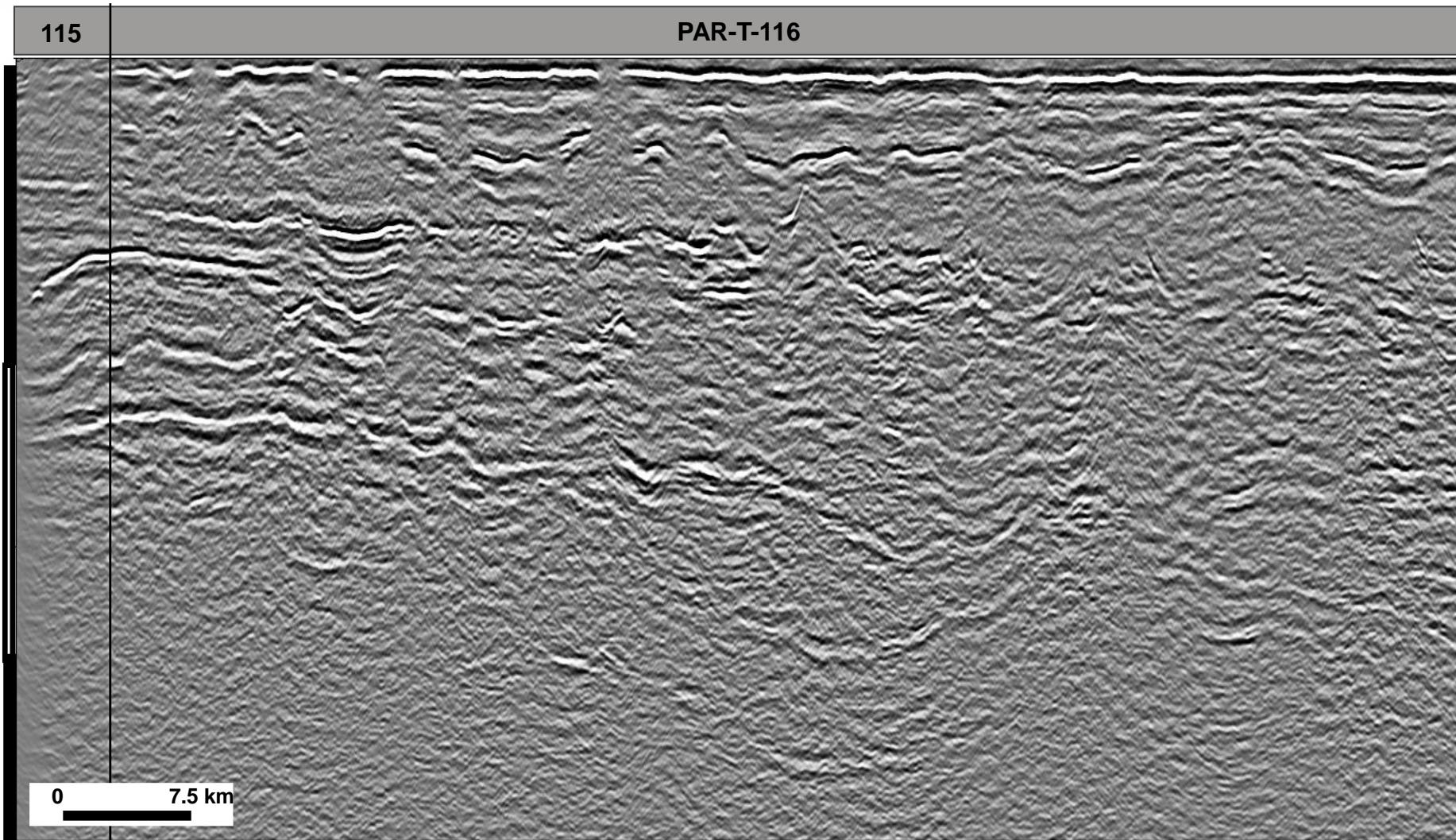
SE

- 1 s

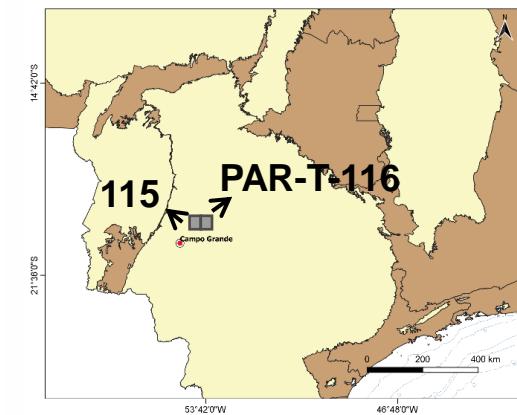
- 2 s

0

7.5 km

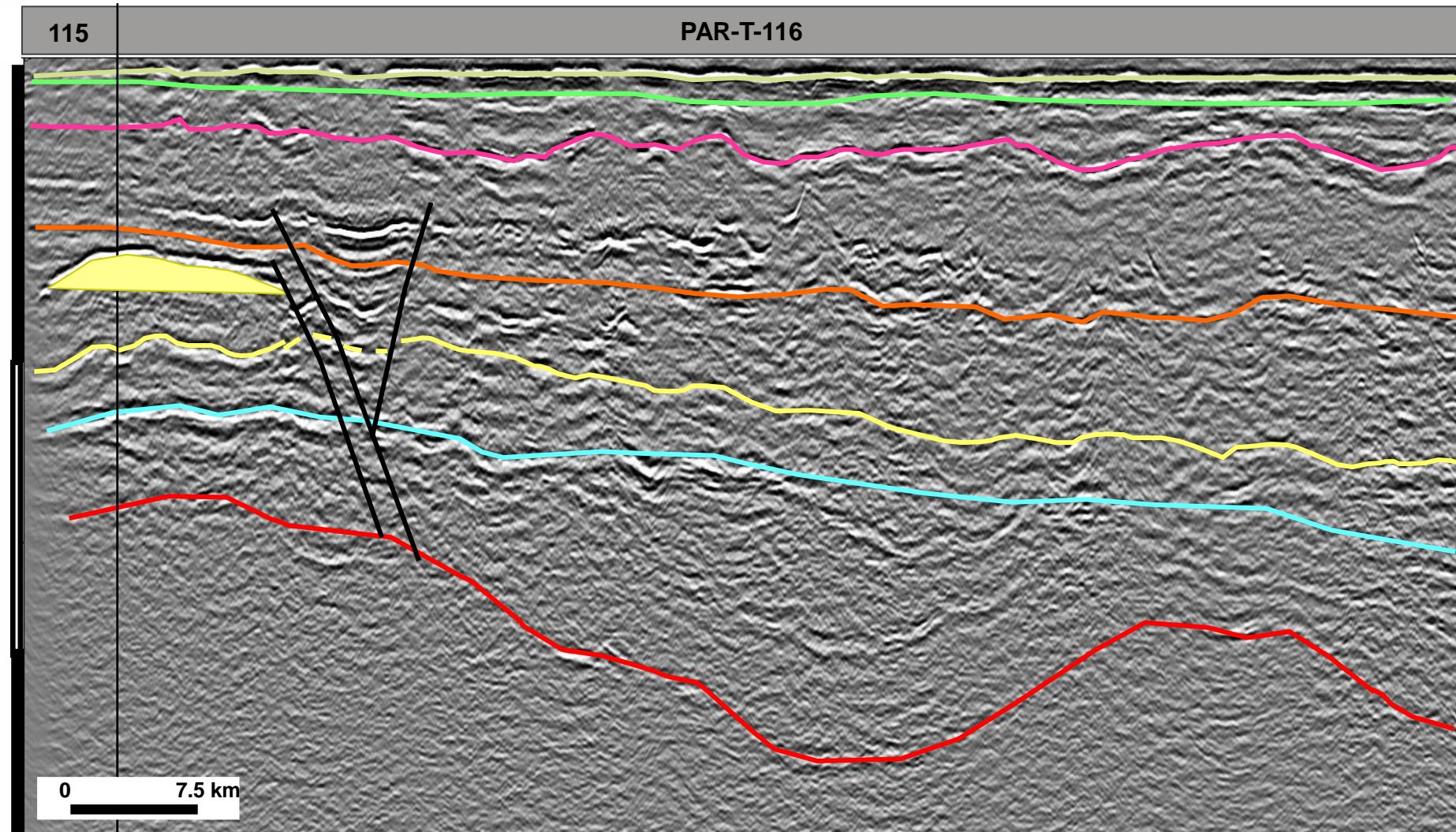


Bloco em Oferta

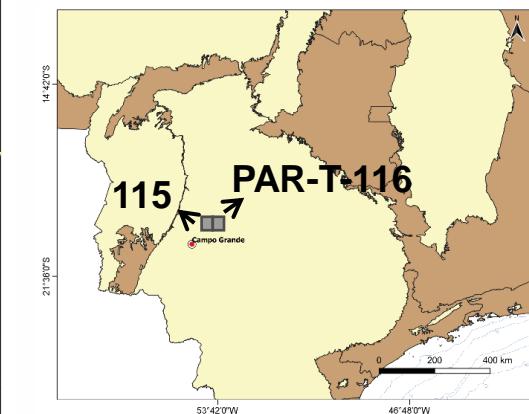


BACIA DO PARANÁ

NW



Bloco em Oferta



Linha 0314-0015 [0319_VIBRO2D-ANP-PARANA]

- Valanginiano — Triássico — Devoniano — Embasamento
- Barremiano — Cisuraliano — Siluriano
- Oportunidade Exploratória

BACIA DO PARANÁ

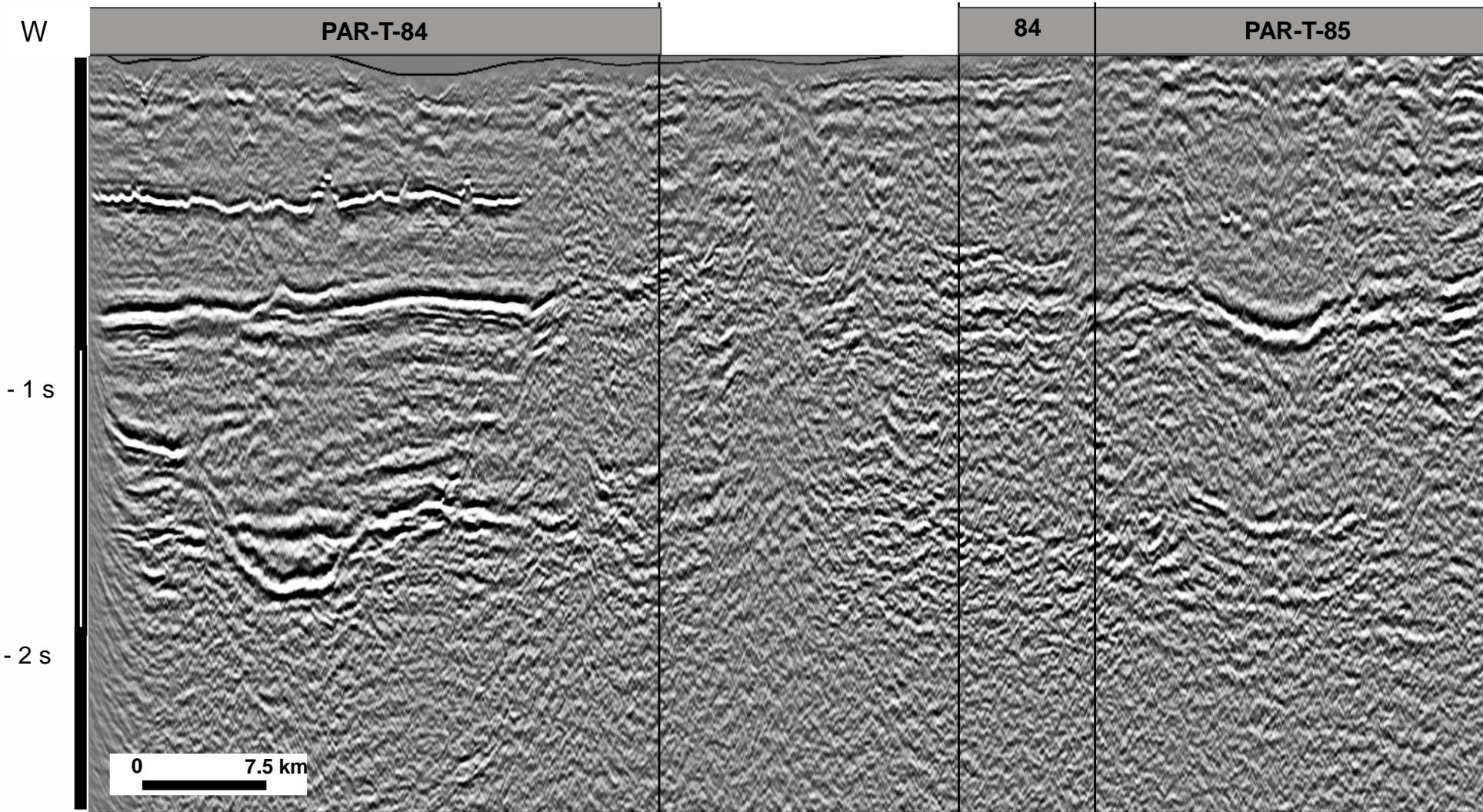
W

PAR-T-84

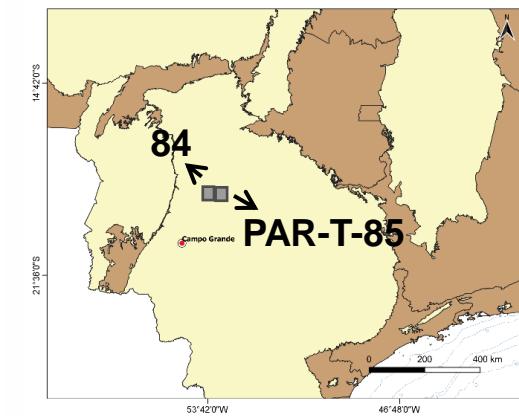
84

PAR-T-85

E

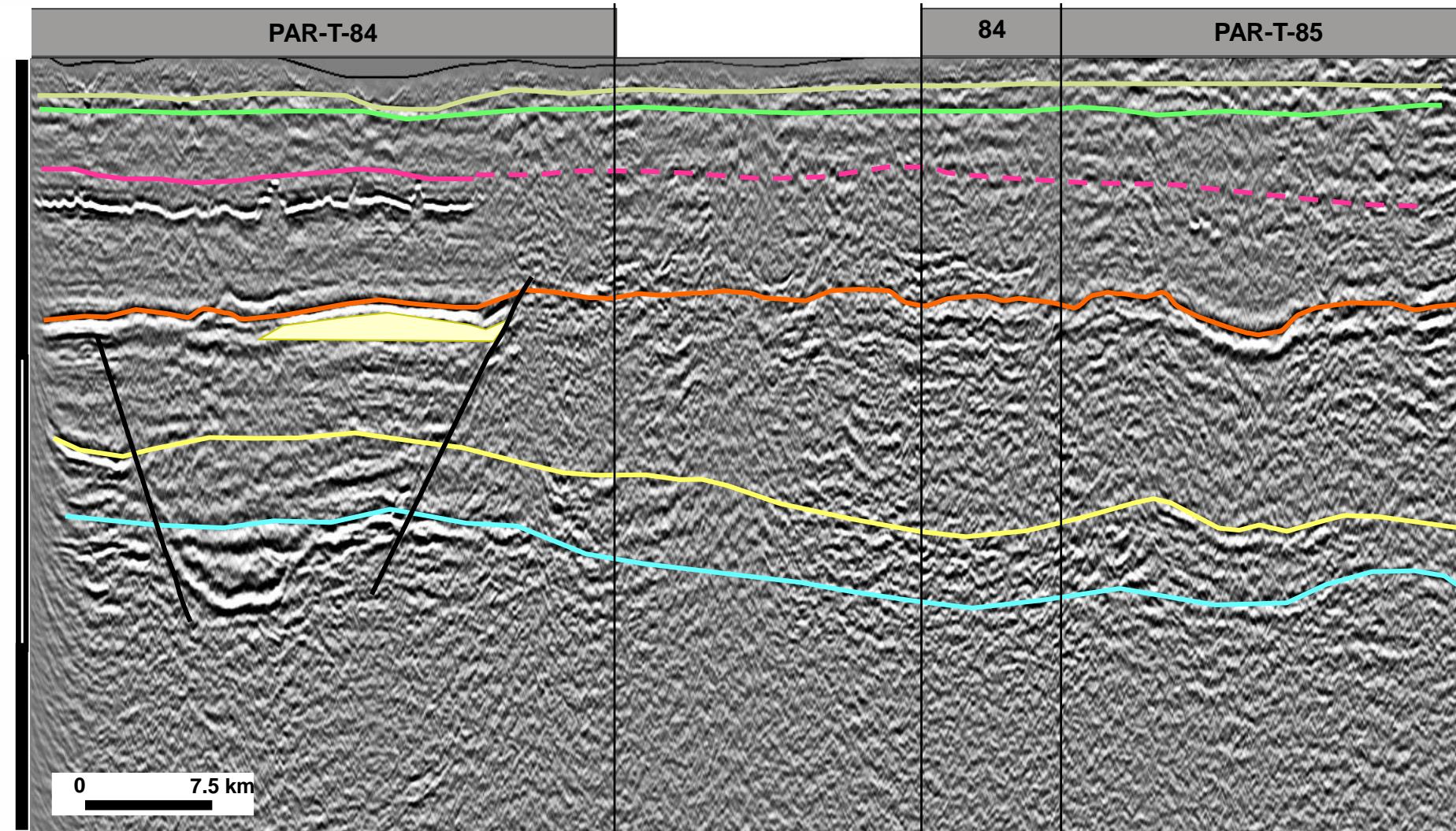


Bloco em Oferta



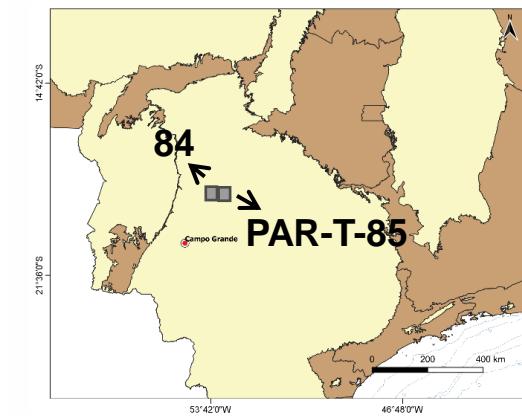
BACIA DO PARANÁ

W



E

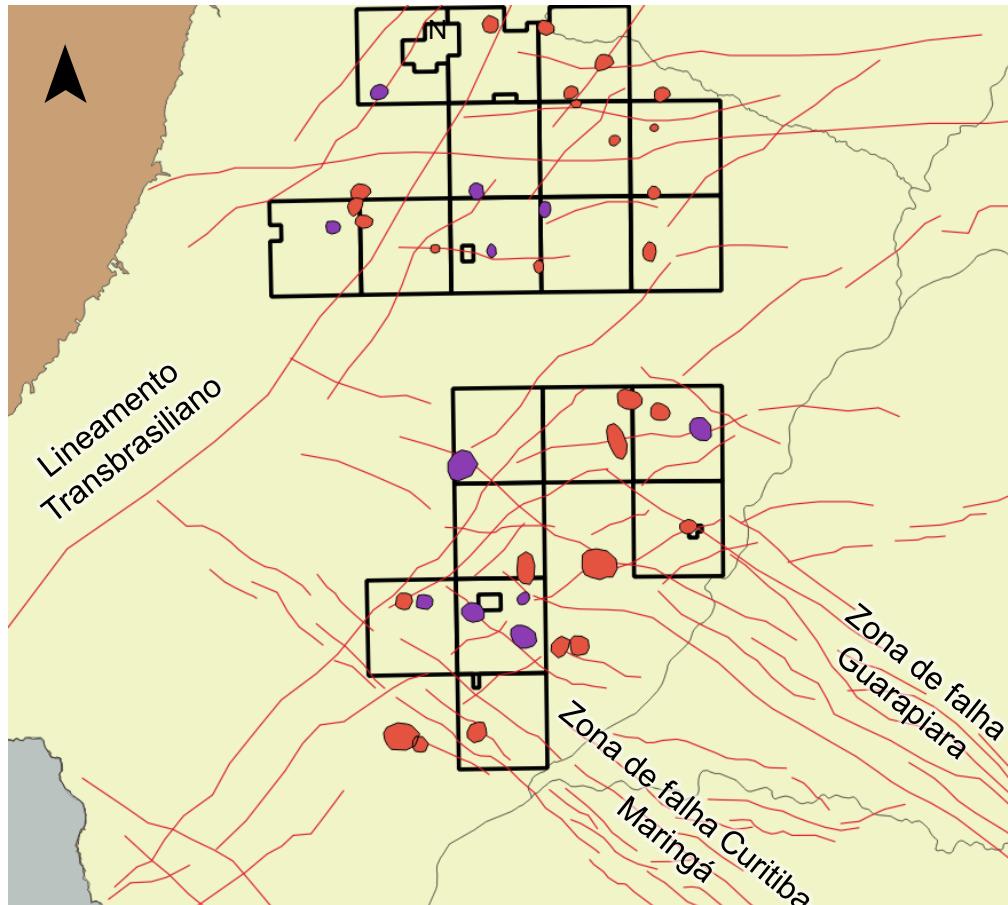
Bloco em Oferta



Linha 0314-0001 /0319 VIBRO2D-ANP-PARANA

- | | | | |
|--------------|-------------|-----------|---------------------------|
| Valanginiano | Triássico | Devoniano | Embasamento |
| Barremiano | Cisuraliano | Siluriano | Oportunidade Exploratória |

BACIA DO PARANÁ



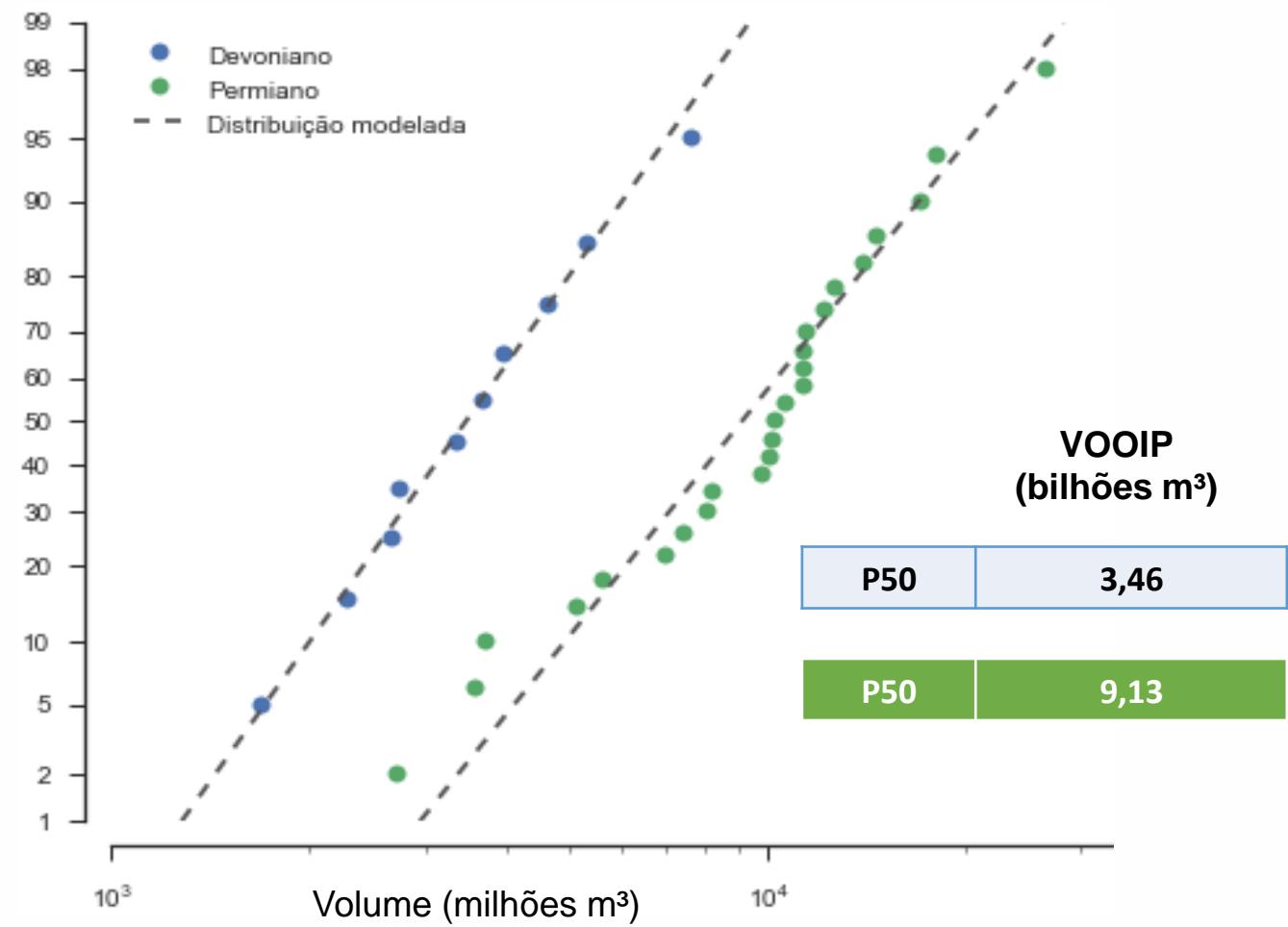
Oportunidades exploratórias



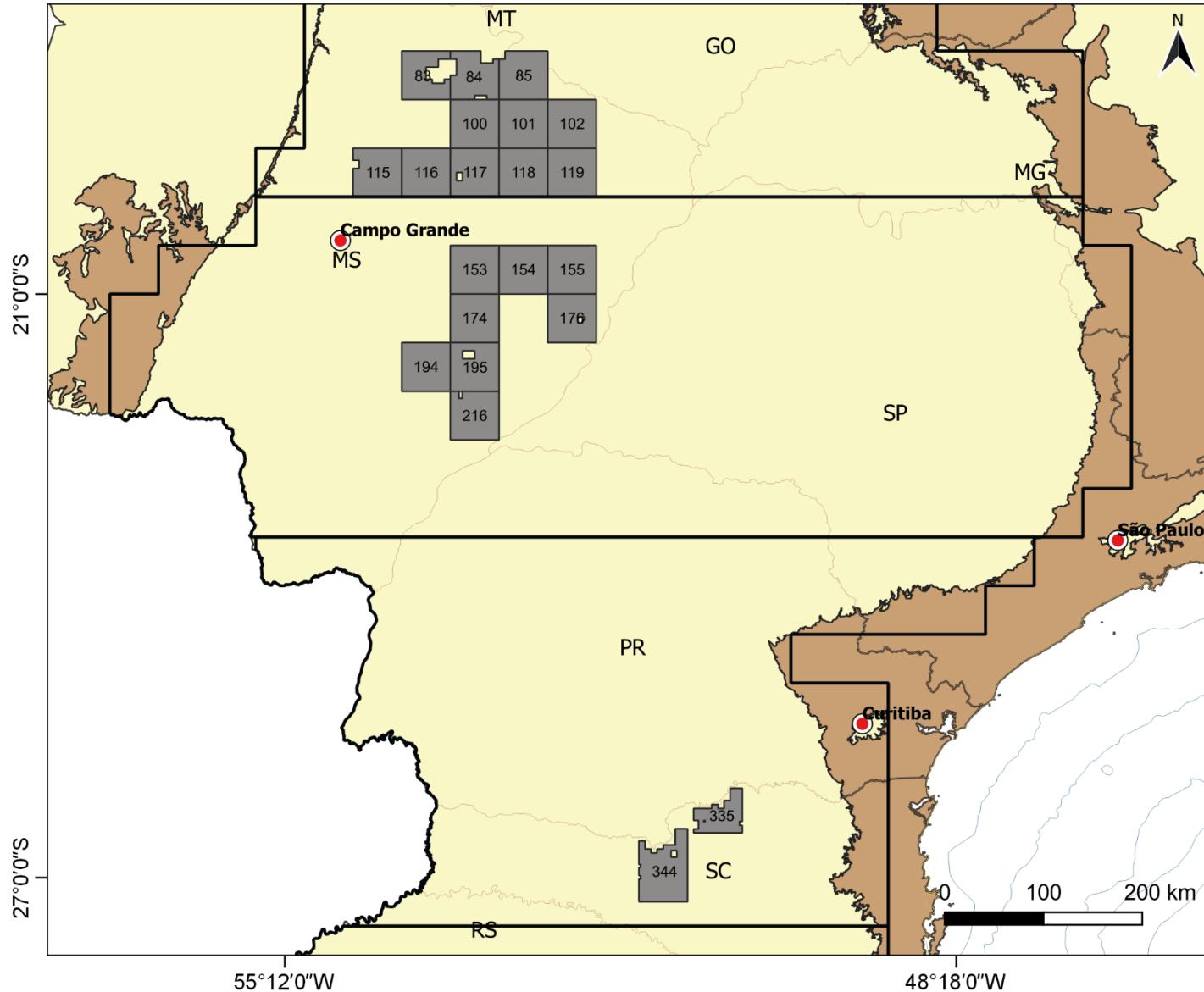
Permiano



Devoniano

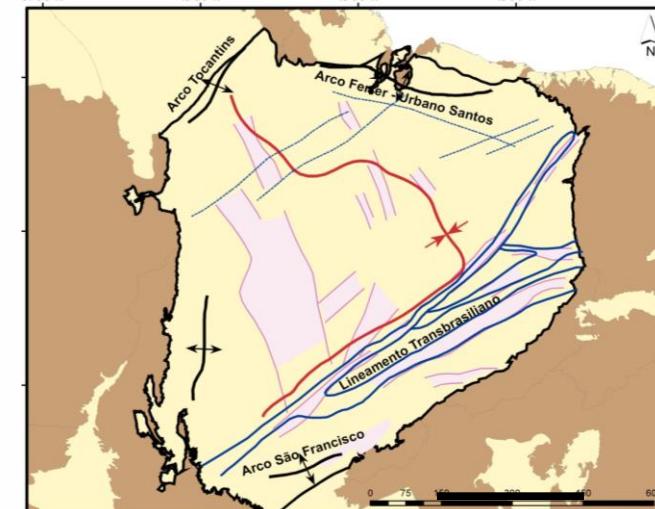
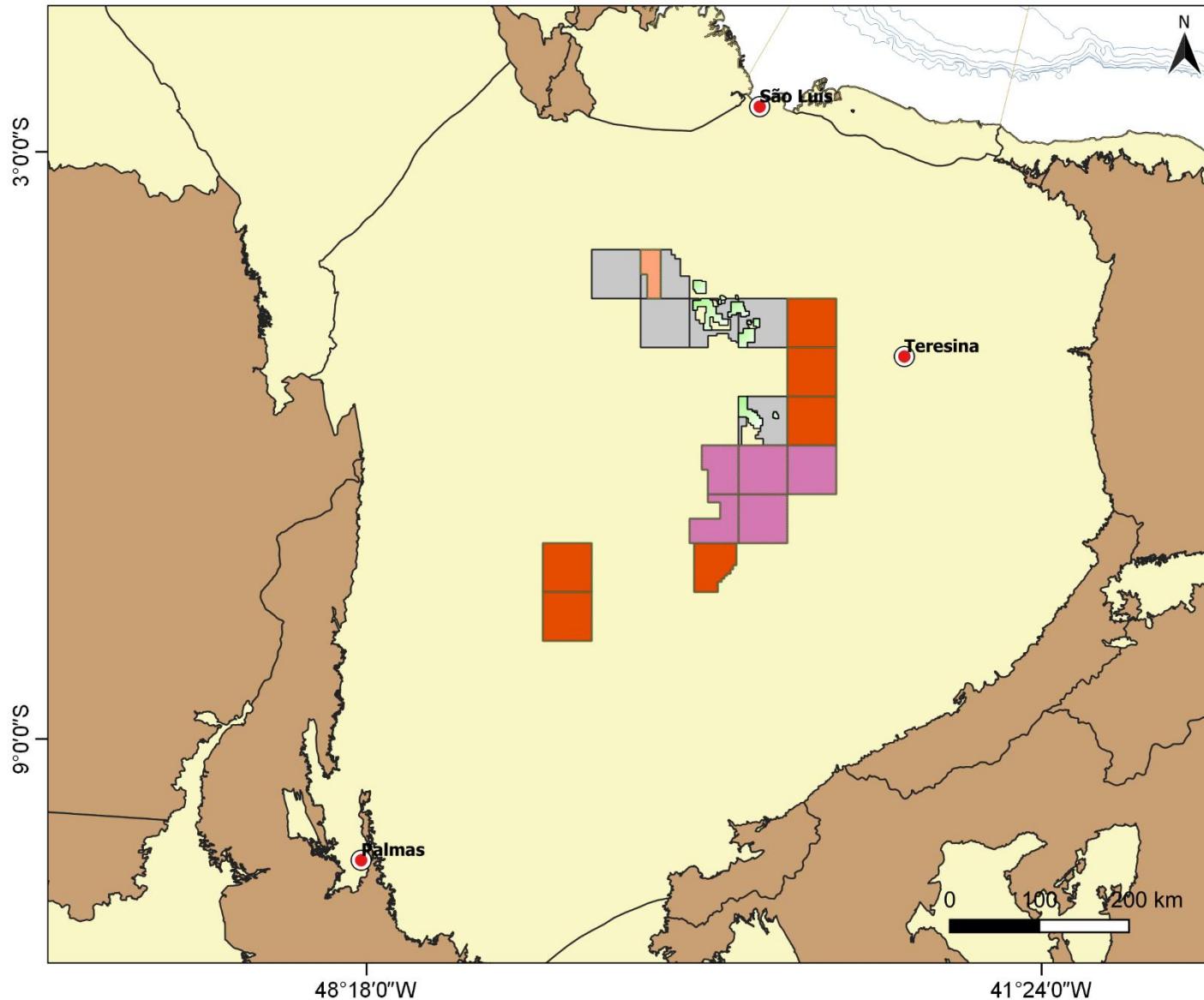


BACIA DO PARANÁ

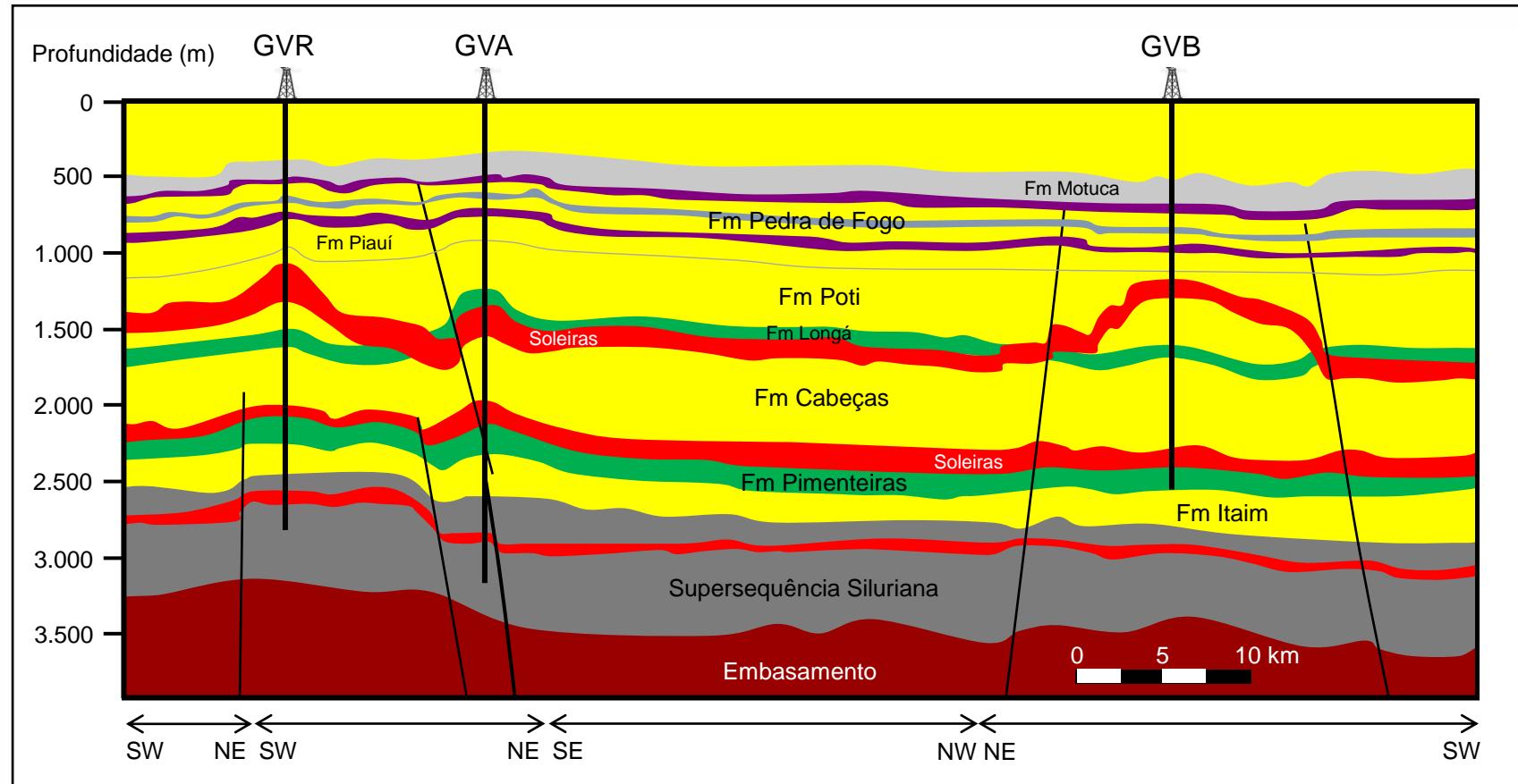


21 Blocos em Oferta

BACIA DO PARNAÍBA



Seção Geológica: Parque dos Gaviões



Fonte: Cunha *et al.*, 2012

BACIA DO PARNAÍBA

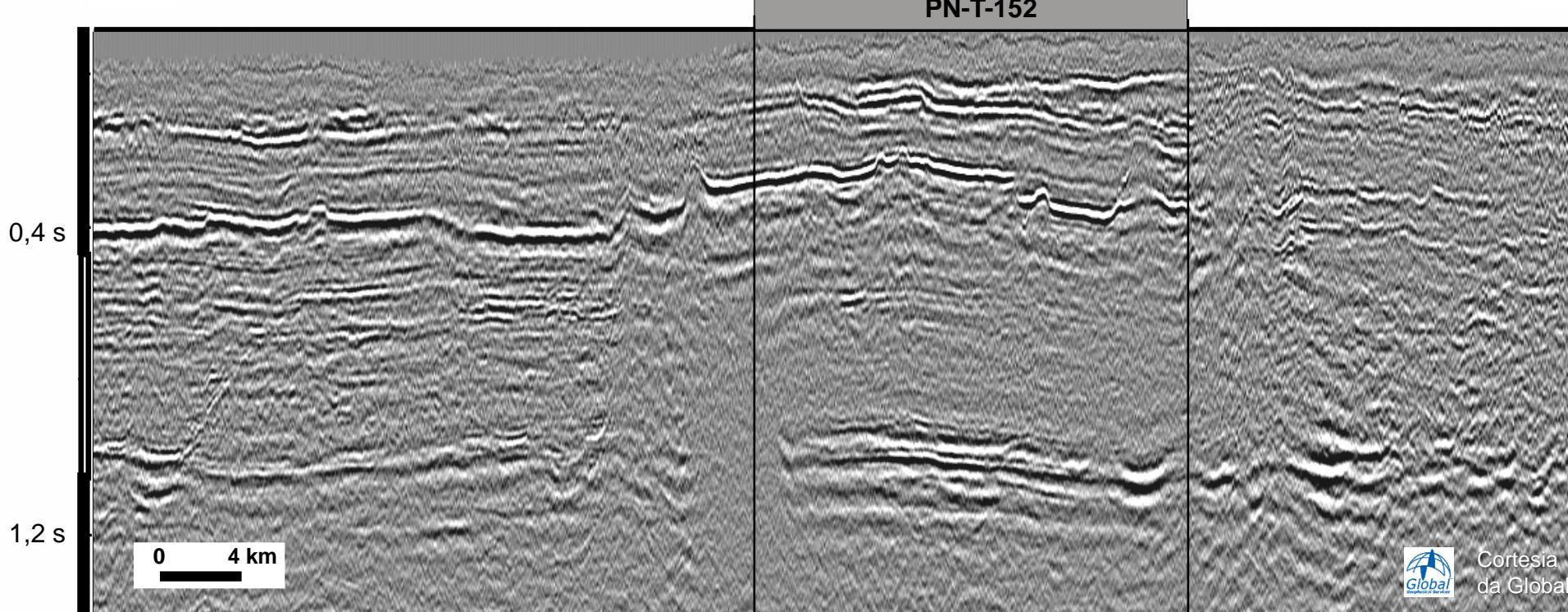
OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp

SW

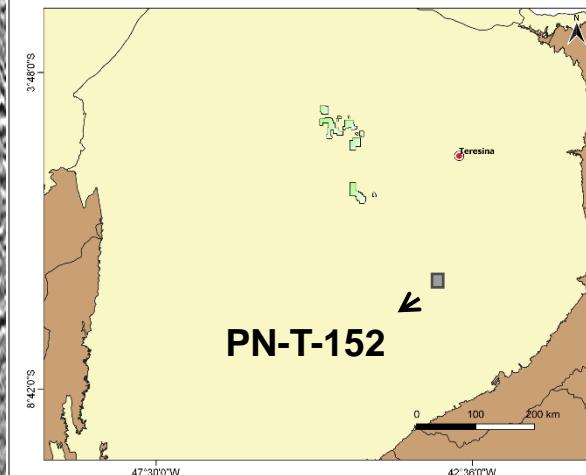
NE

PN-T-152



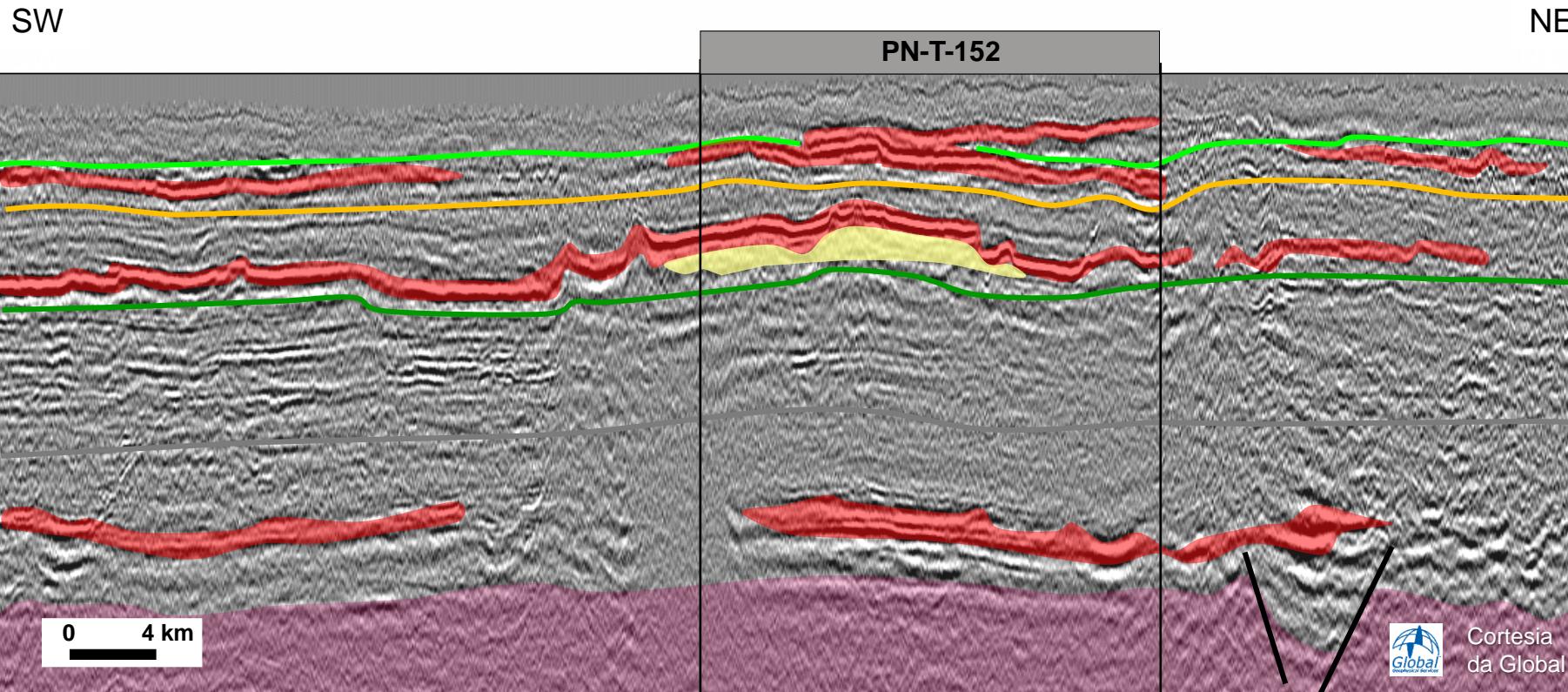
Cortesia
da Global

Bloco em Oferta

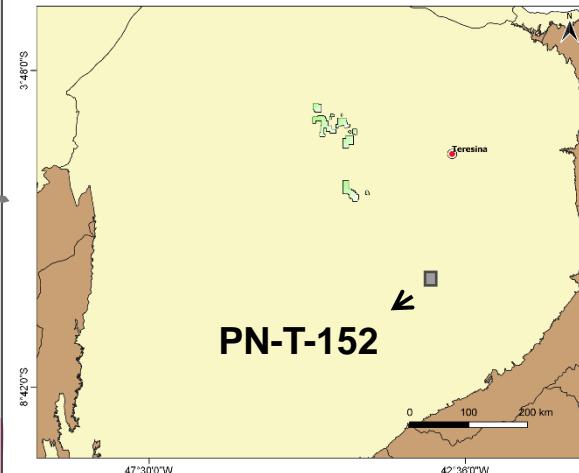


Linha 0319-0201 [0319_MC_BP_VIB2D_2012]

BACIA DO PARNAÍBA



Bloco em Oferta



- Topo Fm Longá
- Topo Fm Cabeças
- Topo Fm Pimenteiras

- Topo Super Sequência Siluriana
- Soleira
- Embasamento



Oportunidade Exploratória

BACIA DO PARNAÍBA

NW

SE

PN-T-152

PN-T-153

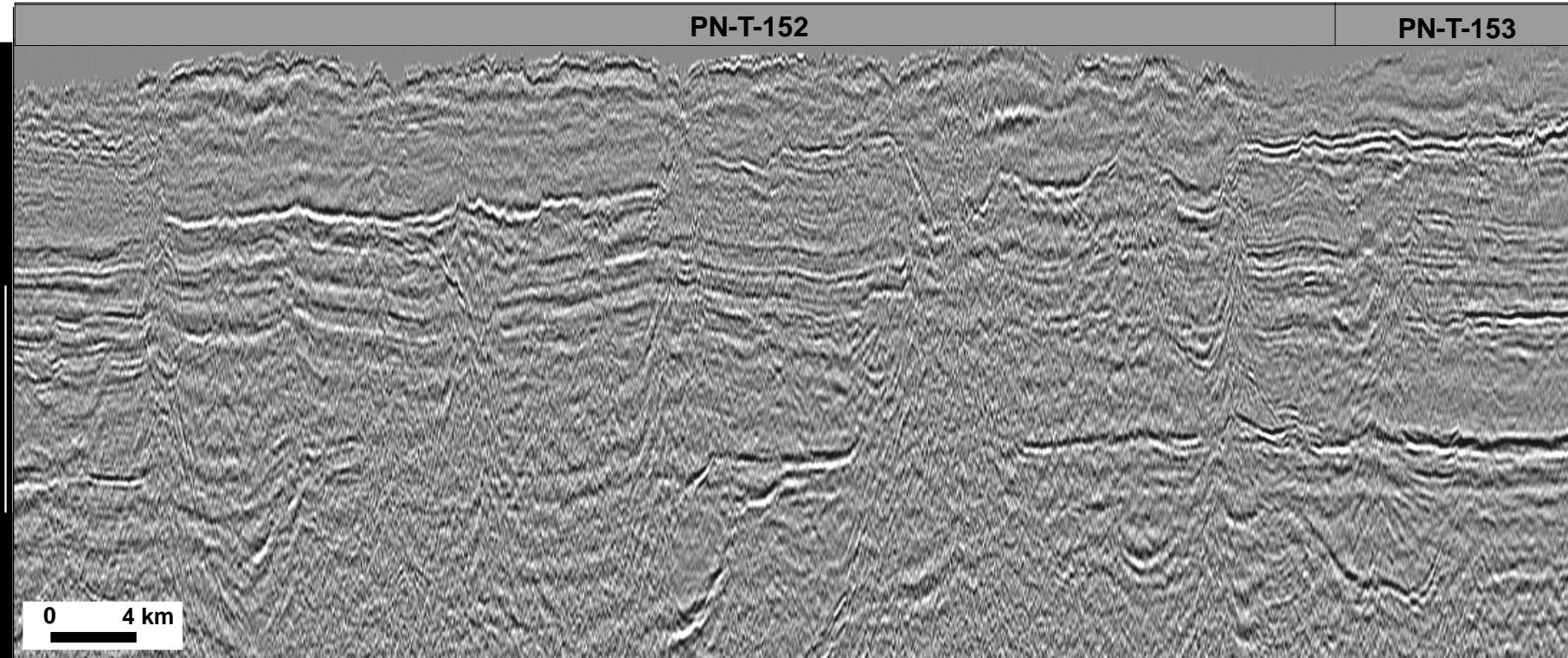


Bloco em Oferta

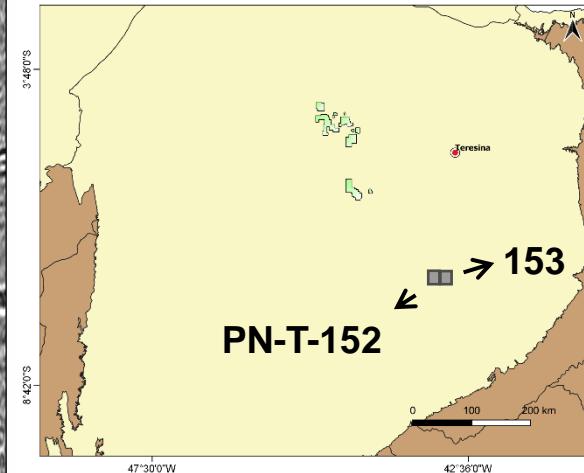
0,4 s

1,2 s

0 4 km



Linha 0295-0008 [0295_ANP_2D_PARNAIBA]



BACIA DO PARNAÍBA

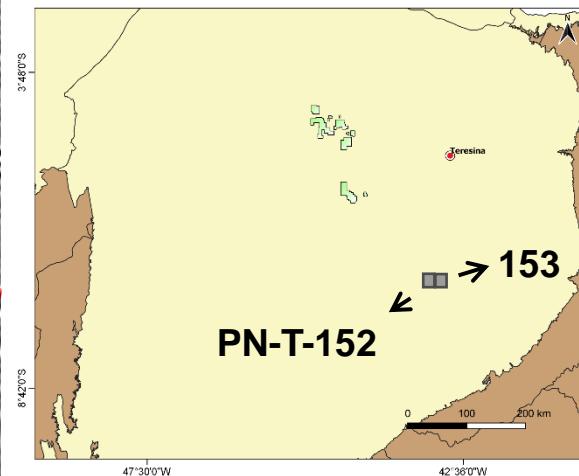
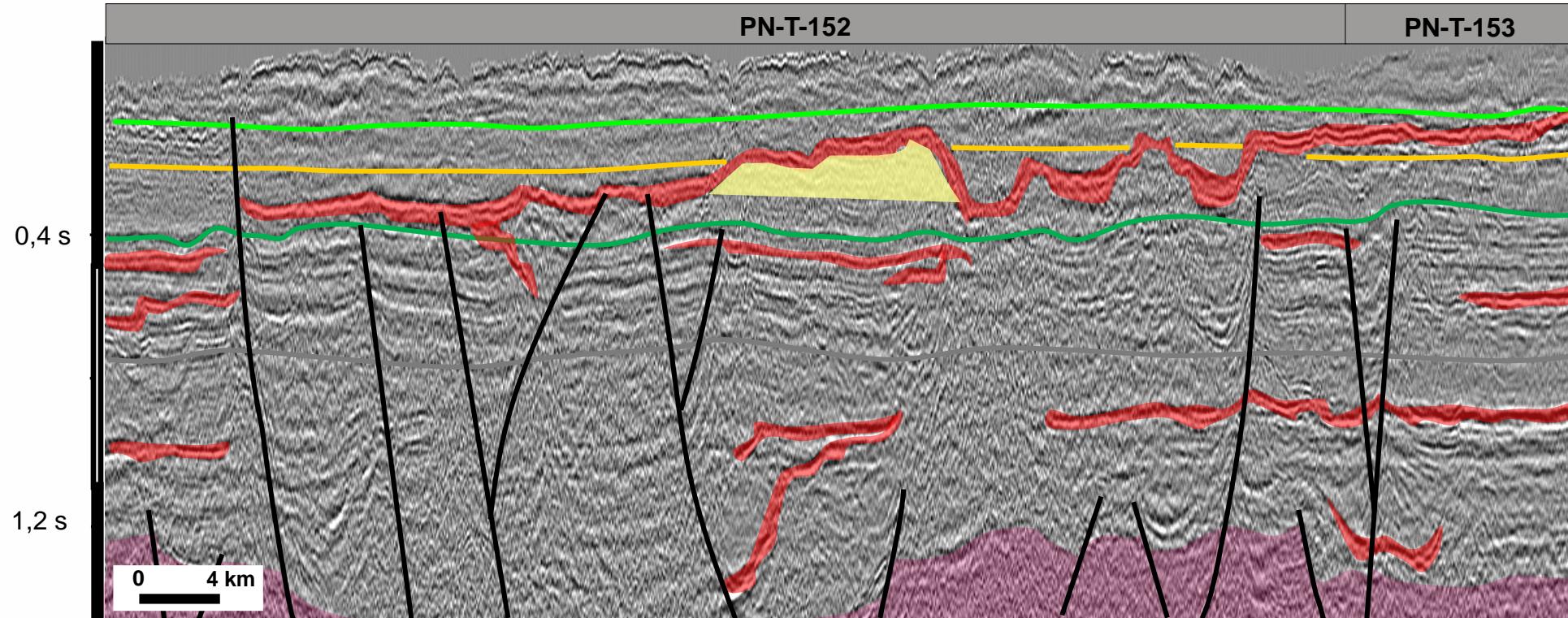
NW

SE

PN-T-152

PN-T-153

Bloco em Oferta



Topo Fm Longá
Topo Fm Cabeças

Topo Fm Pimenteiras
Topo Super Sequência Siluriana

Soleira
Embasamento

BACIA DO PARNAÍBA

NW

SE

PN-T-169

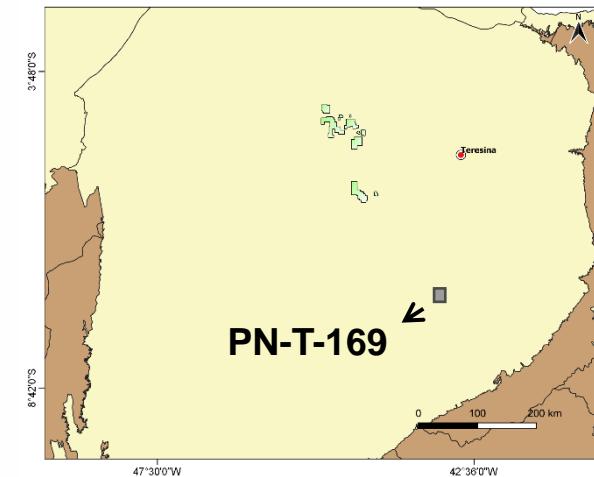
0,4 s

1,2 s

0 4 km

Linha 0295-0006 [0295_ANP_2D_PARNAIBA]

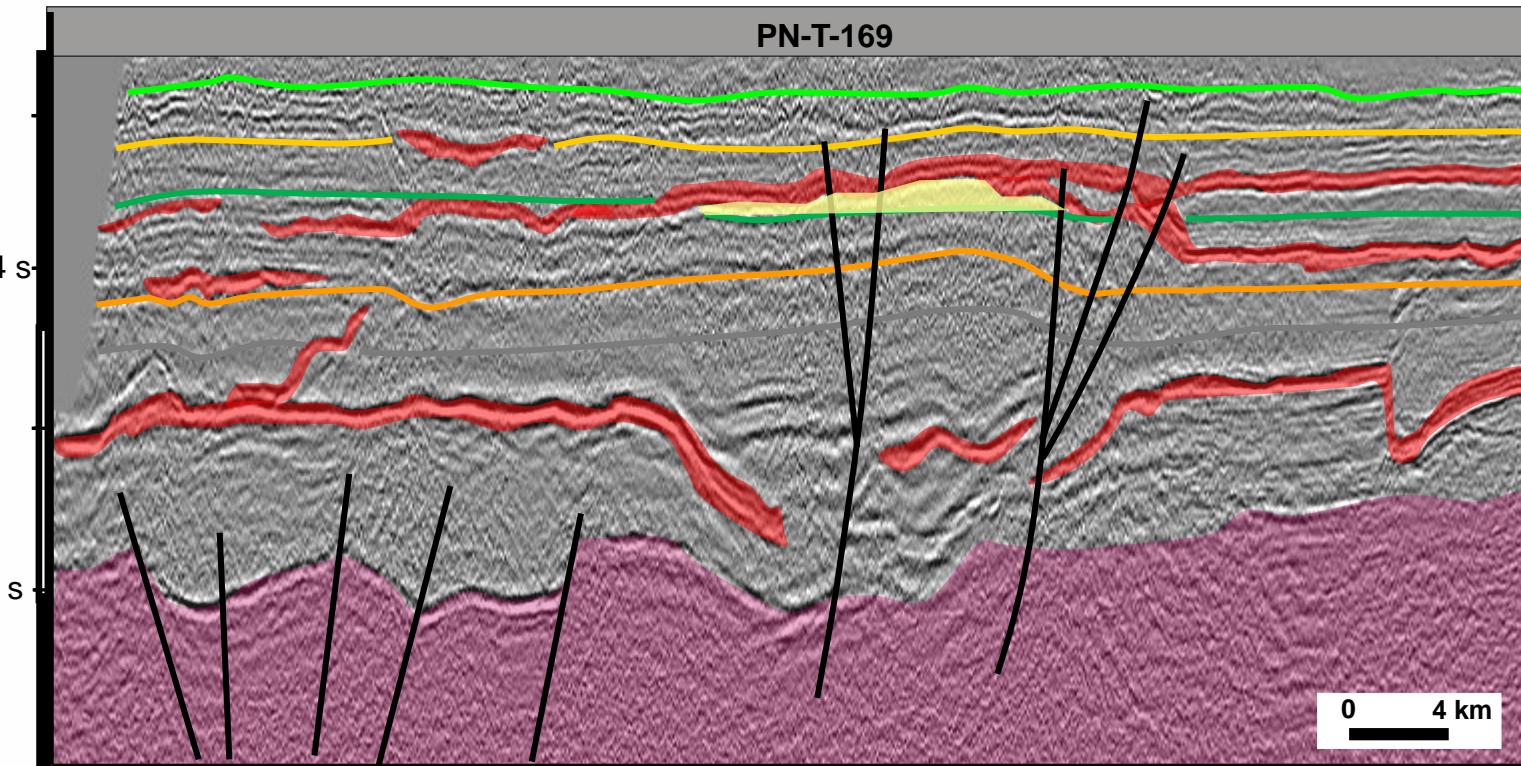
 Bloco em Oferta



BACIA DO PARNAÍBA

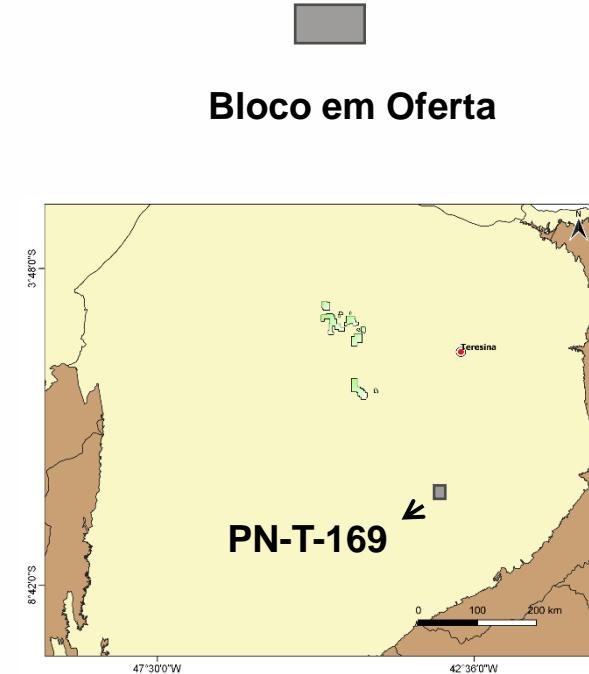
NW

SE



Linha 0295-0006 [0295_ANP_2D_PARNAIBA]

- Topo Fm Longá
- Topo Fm Cabeças
- Topo Fm Pimenteiras
- Topo Fm Itaim
- Topo Super Sequência Siluriana
- Soleira
- Embasamento



BACIA DO PARNAÍBA

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp

NW

104

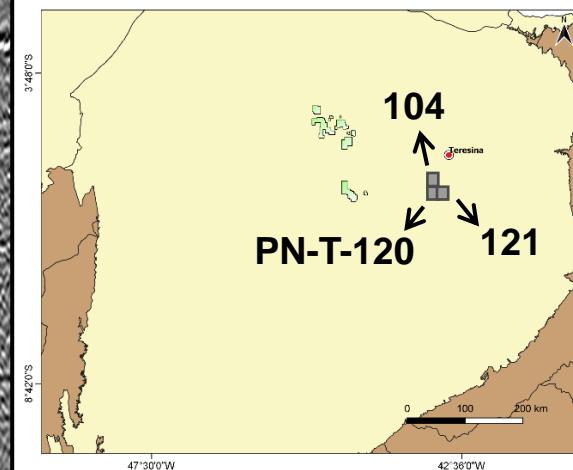
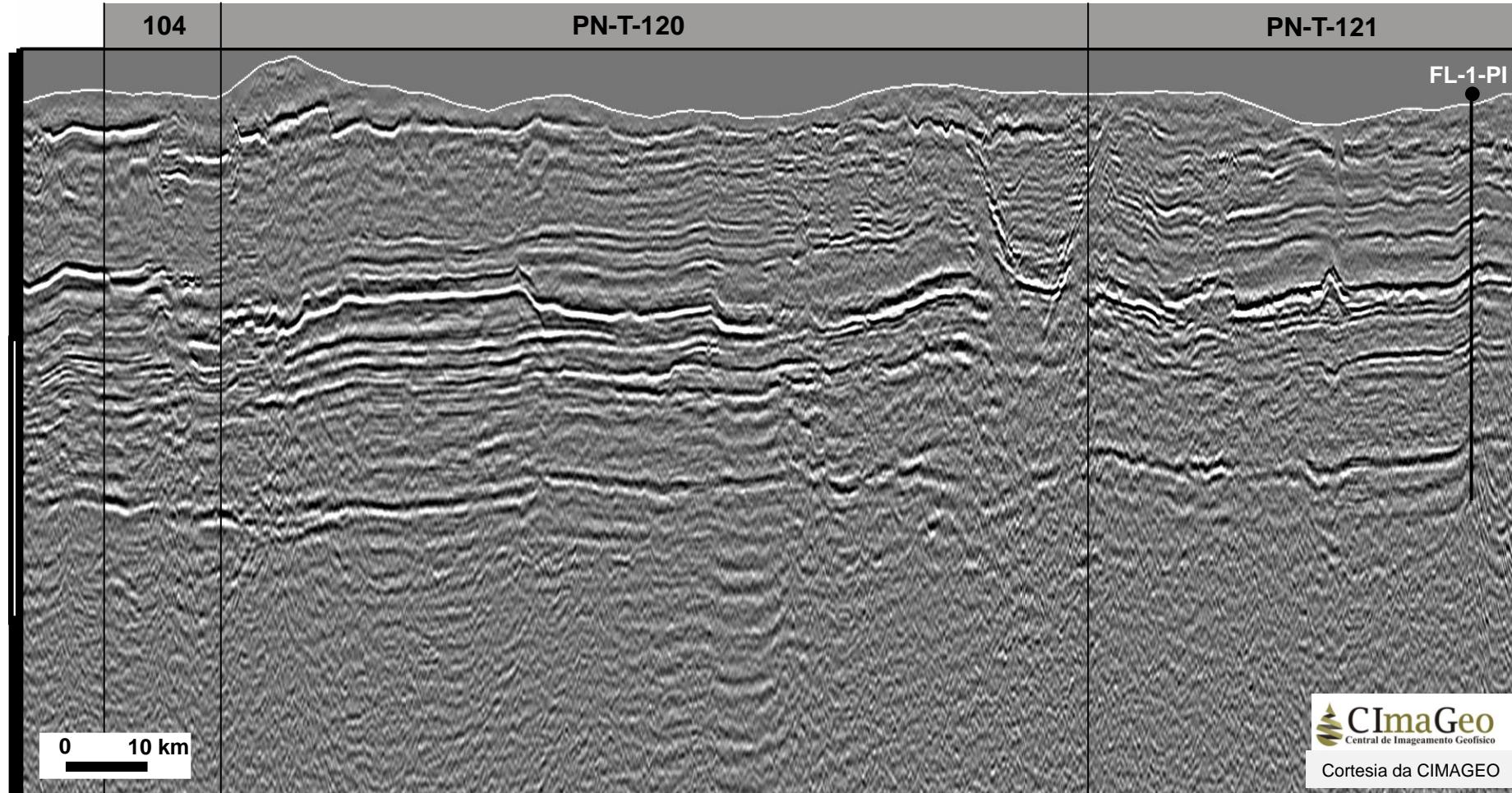
PN-T-120

PN-T-121

SE

0,8 s

1,6 s



Linha 0317-0113 [0317_ANP_BACIA_DO_PARNAIBA]

BACIA DO PARNAÍBA

NW

104

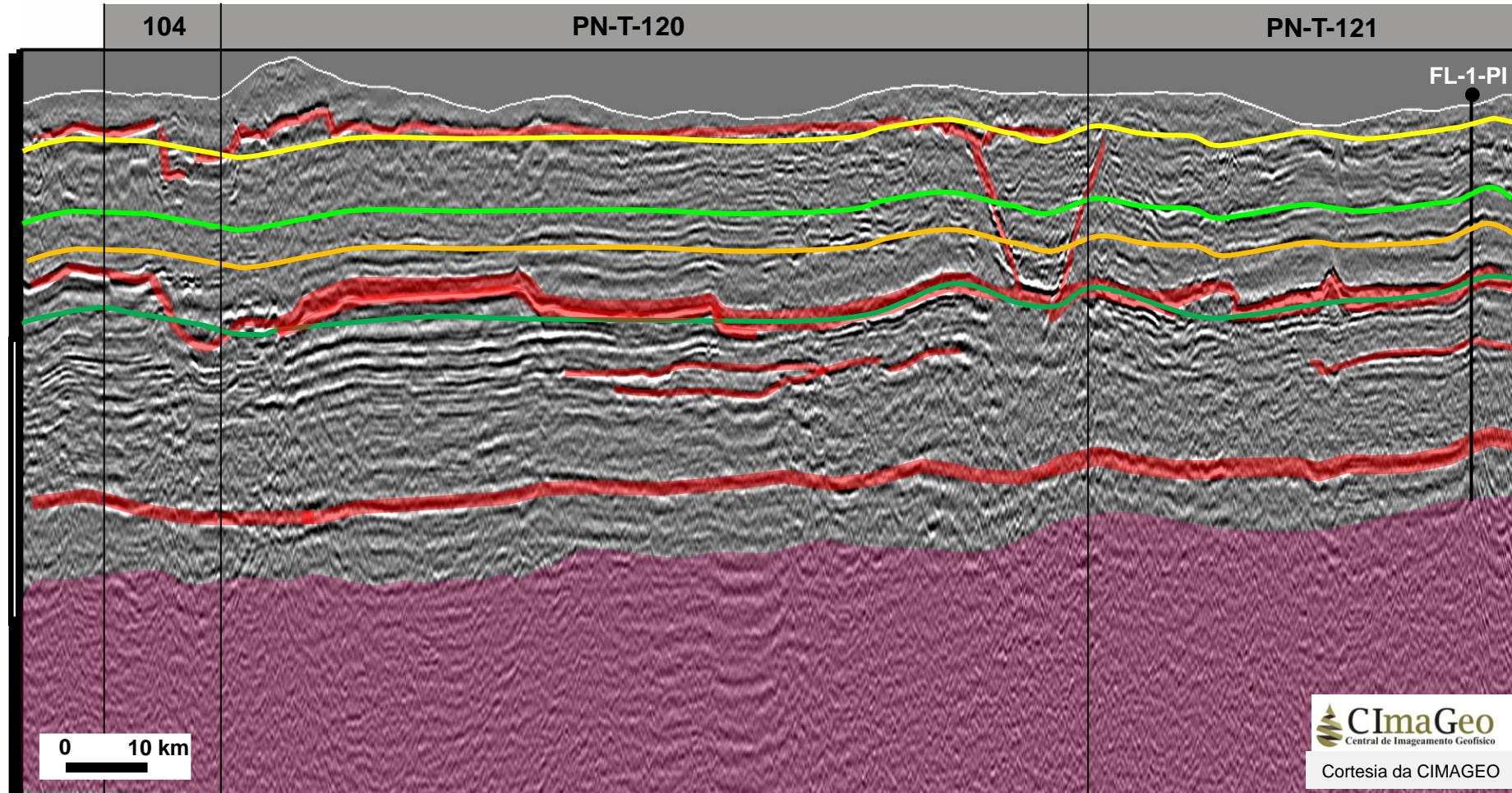
PN-T-120

PN-T-121

SE

0,8 s

1,6 s



CIMA**Geo**
Central de Imagem Geofísica

Cortesia da CIMAGEO

Topo Fm Poti
Topo Fm Cabeças

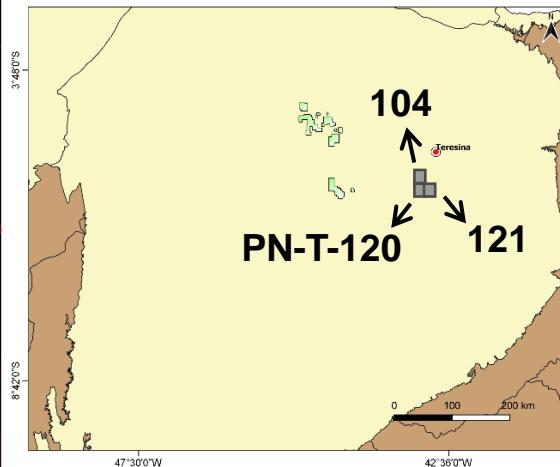
Topo Fm Longá
Topo Fm Pimenteiras

Soleira
Embasamento

Oportunidade Exploratória

Linha 0317-0113 [0317_ANP_BACIA_DO_PARNAIBA]

Bloco em Oferta



BACIA DO PARNAÍBA

NW

104

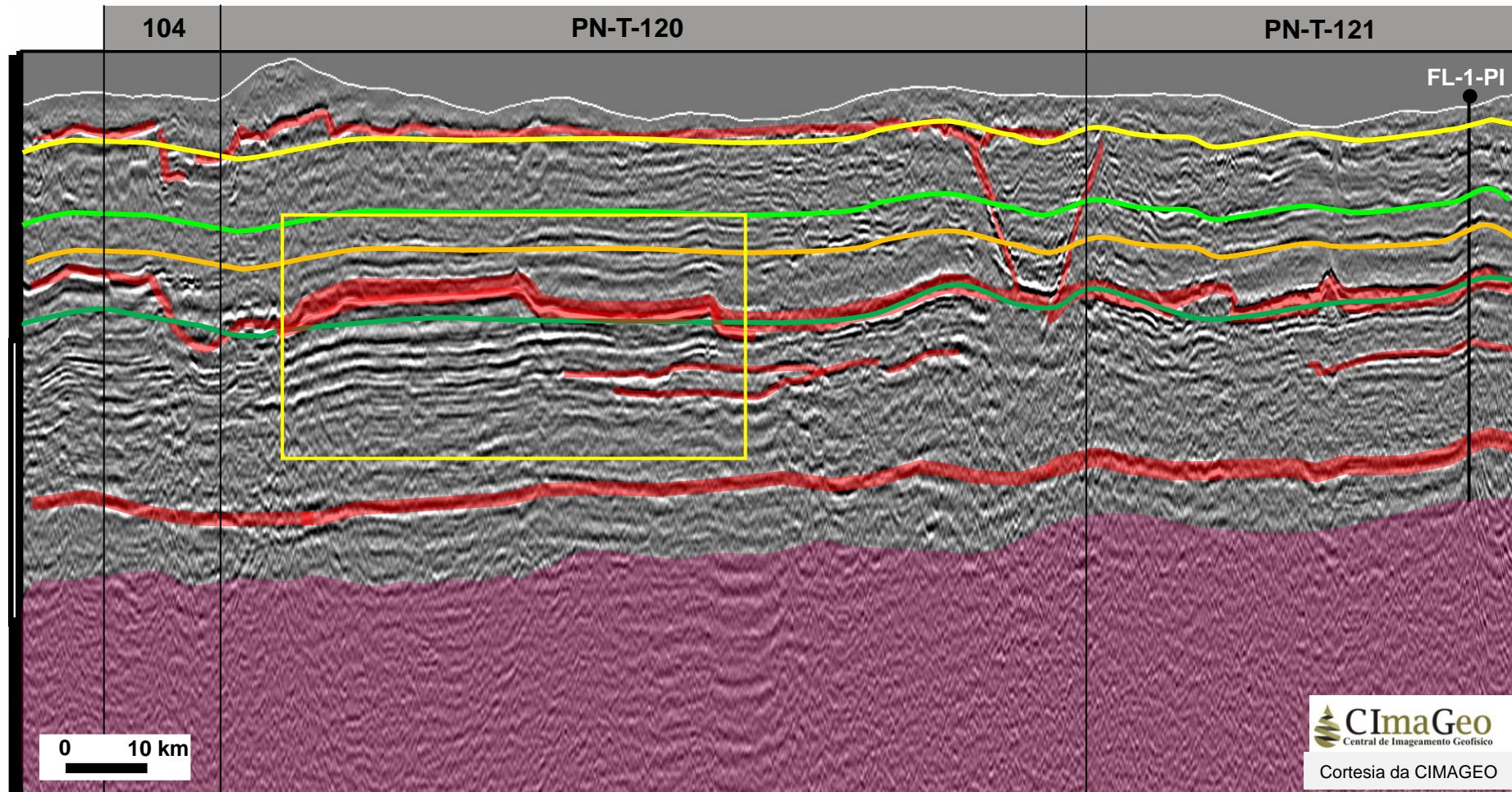
PN-T-120

PN-T-121

SE

0,8 s

1,6 s



CIMA**Geo**
Central de Imagem Geofísica

Cortesia da CIMAGEO

Topo Fm Poti
Topo Fm Cabeças

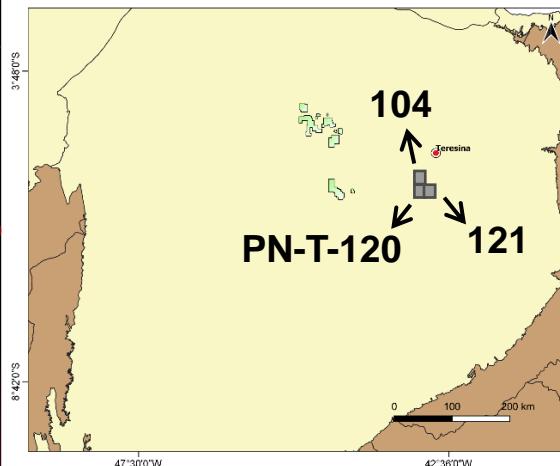
Topo Fm Longá
Topo Fm Pimenteiras

Soleira
Embasamento

Oportunidade Exploratória

Linha 0317-0113 [0317_ANP_BACIA_DO_PARNAIBA]

Bloco em Oferta



BACIA DO PARNAÍBA

NW

104

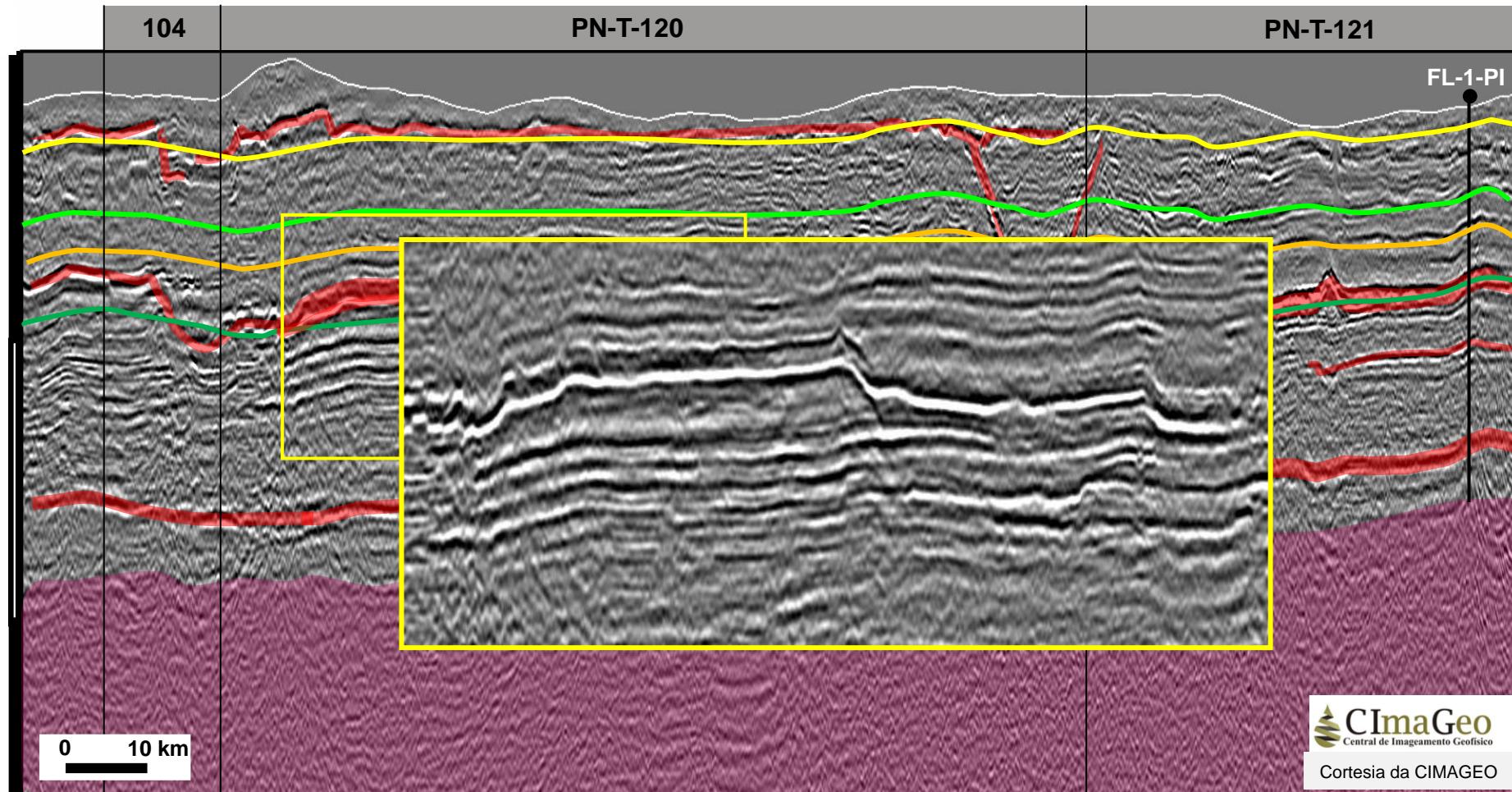
PN-T-120

PN-T-121

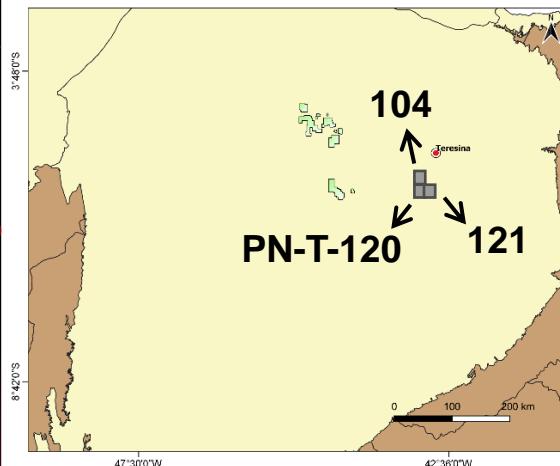
SE

0,8 s

1,6 s



Bloco em Oferta



BACIA DO PARNAÍBA

NW

104

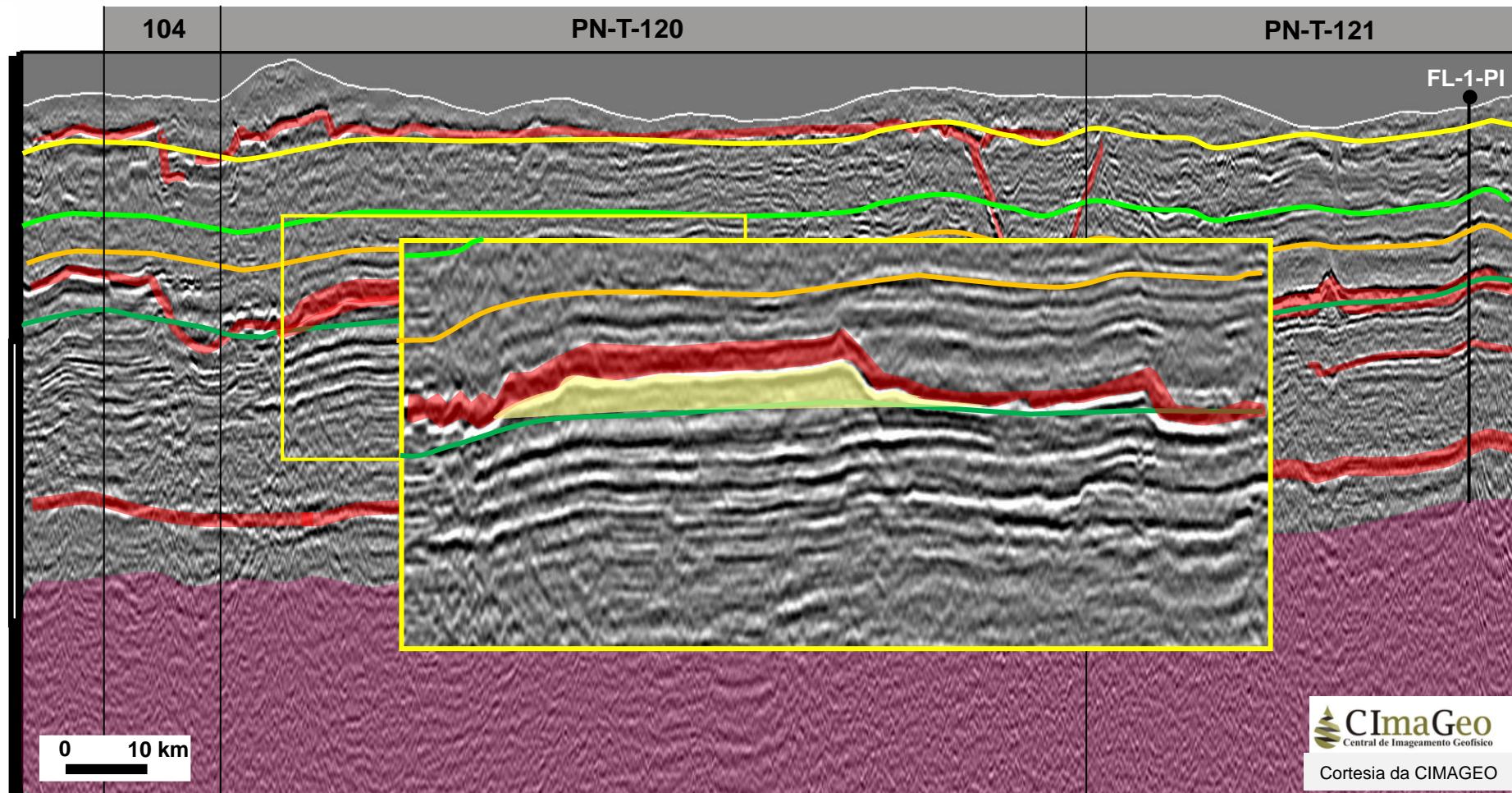
PN-T-120

PN-T-121

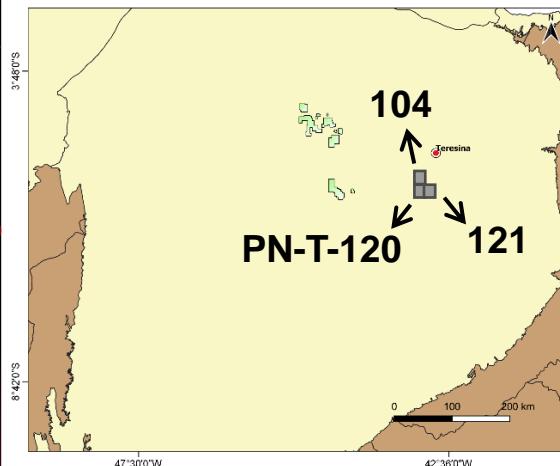
SE

0,8 s

1,6 s



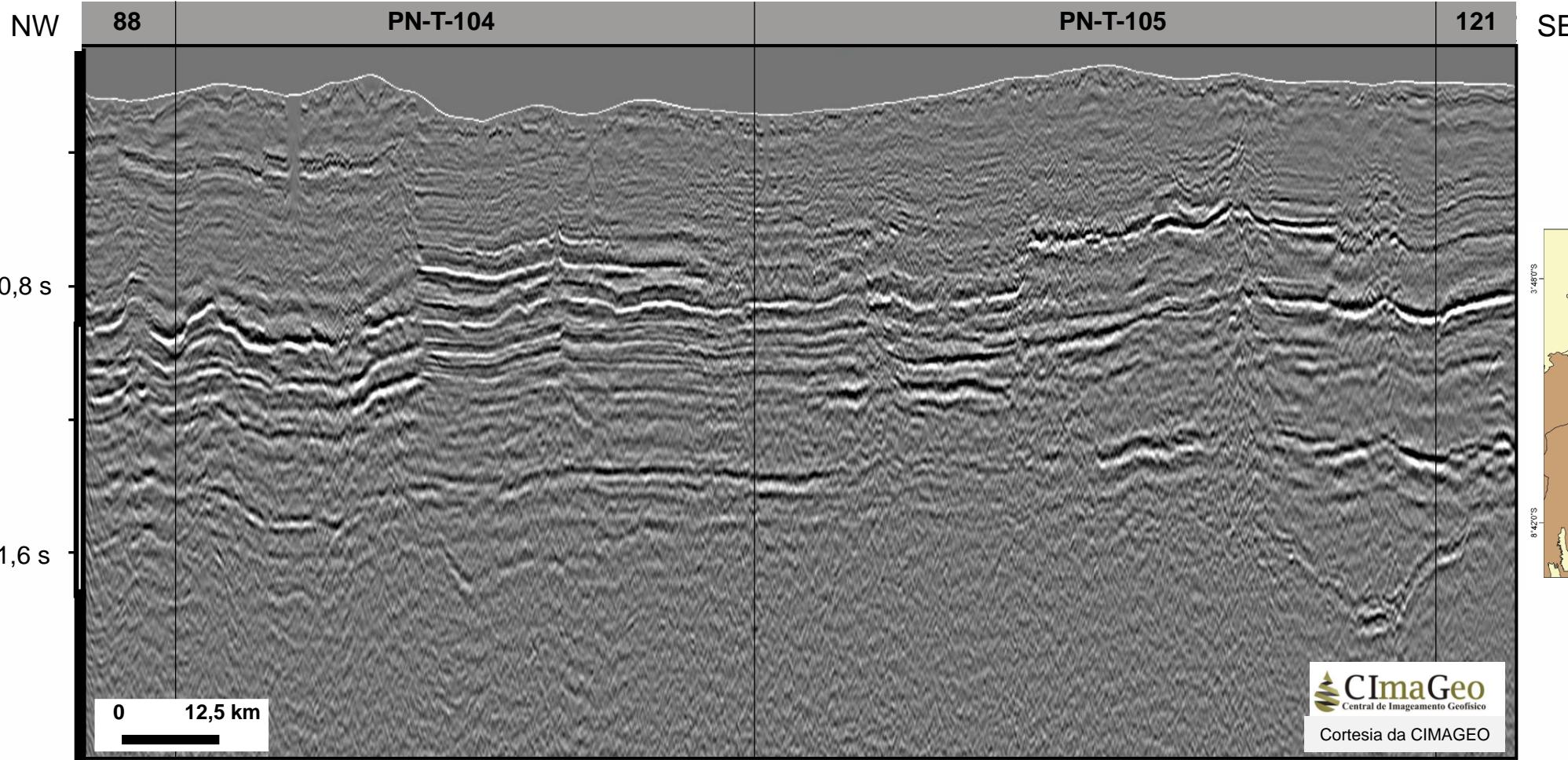
Bloco em Oferta



BACIA DO PARNAÍBA

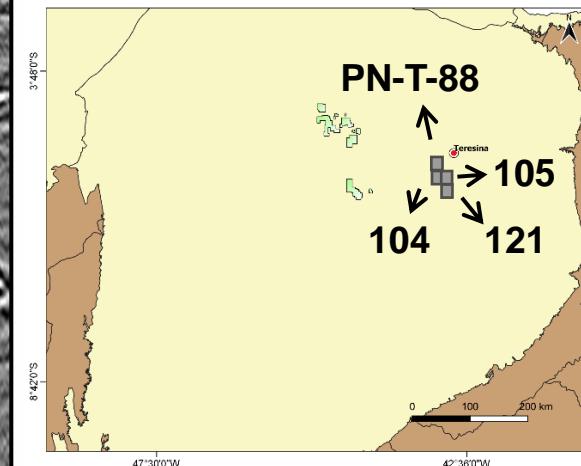
OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp



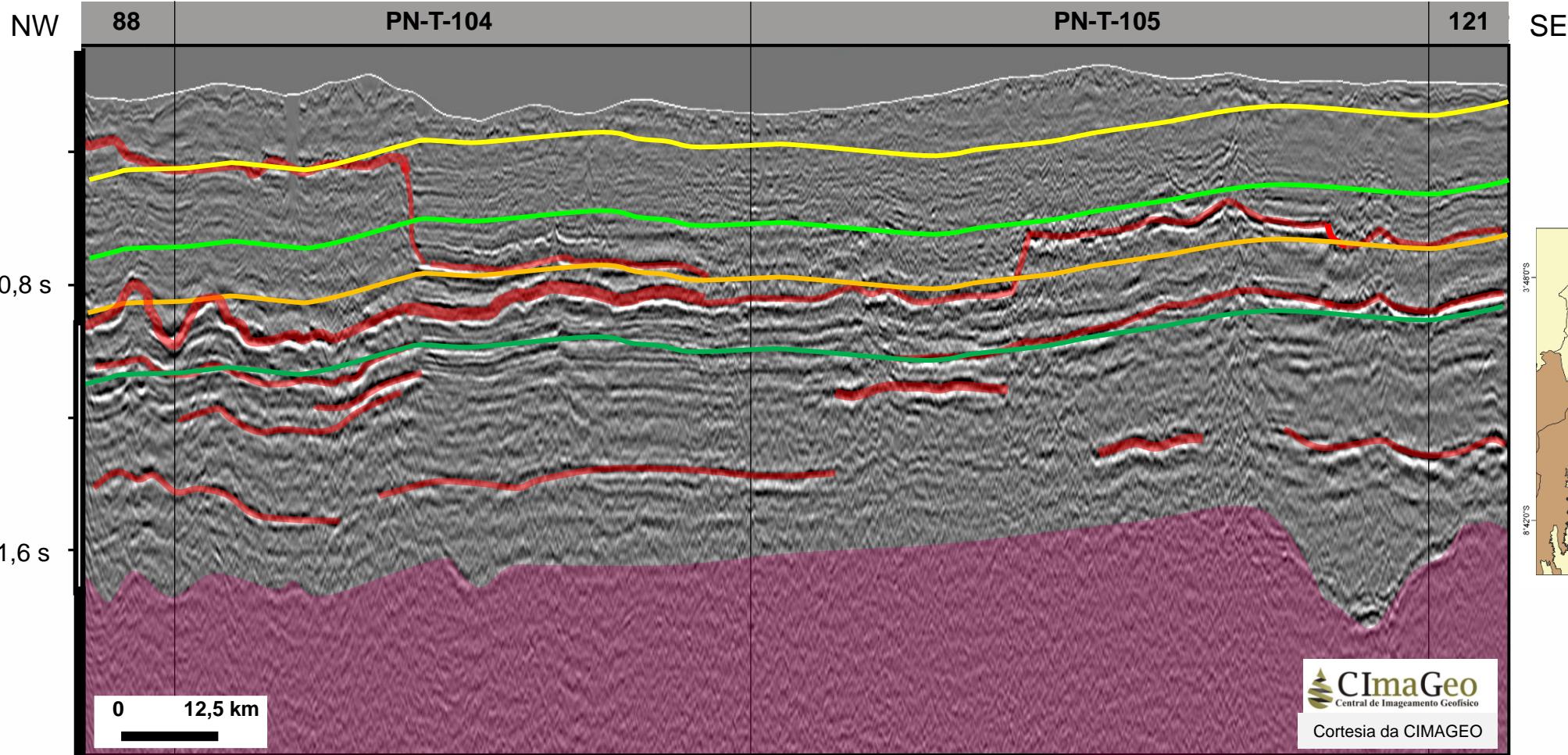
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Central de Imageamento Geofísico
Cortesia da CIMAGEO

Linha 0317-0114 [0317_ANP_BACIA_DO_PARNAIBA]



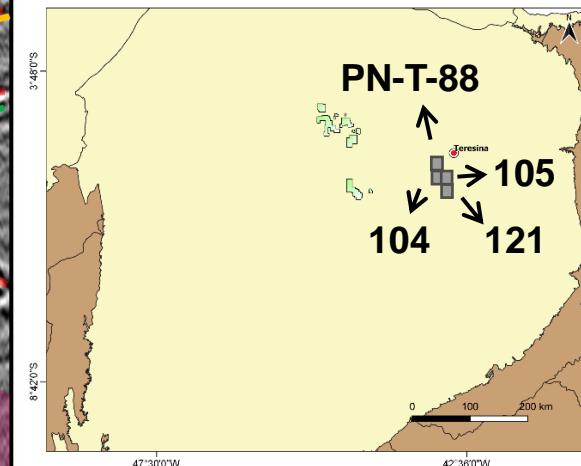
Bloco em Oferta

BACIA DO PARNAÍBA



SE

Bloco em Oferta

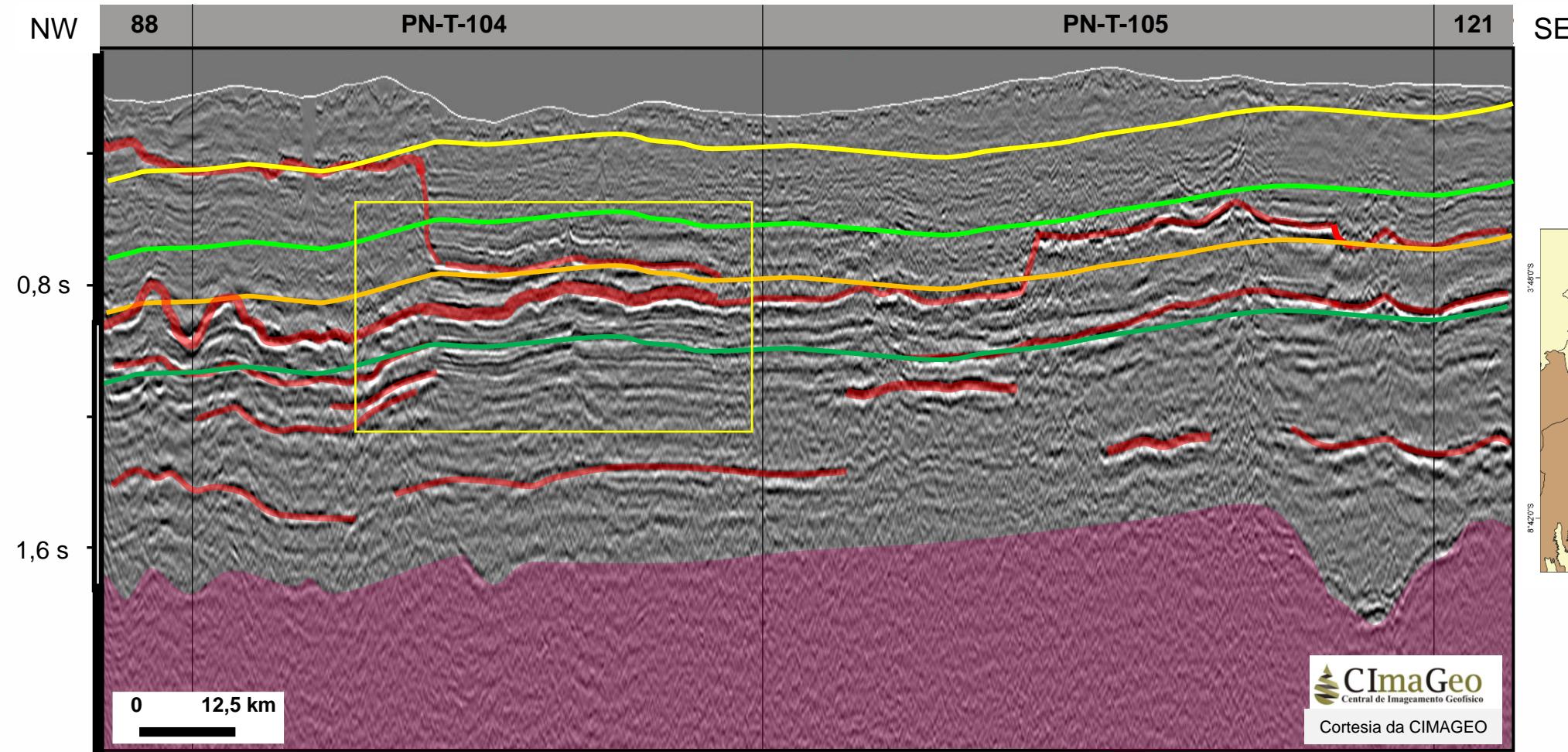


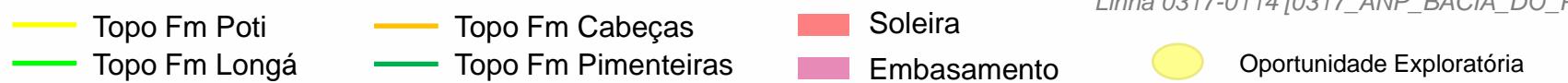
Linha 0317-0114 [0317_ANP_BACIA_DO_PARNAIBA]

- Topo Fm Poti
- Topo Fm Longá
- Topo Fm Cabeças
- Topo Fm Pimenteiras
- Soleira
- Embasamento

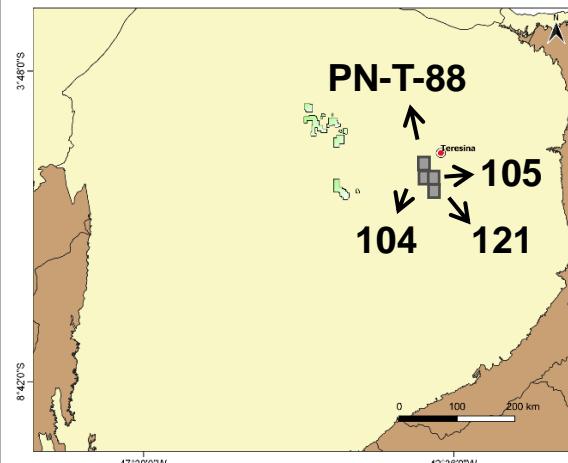
- Oportunidade Exploratória

BACIA DO PARNAÍBA



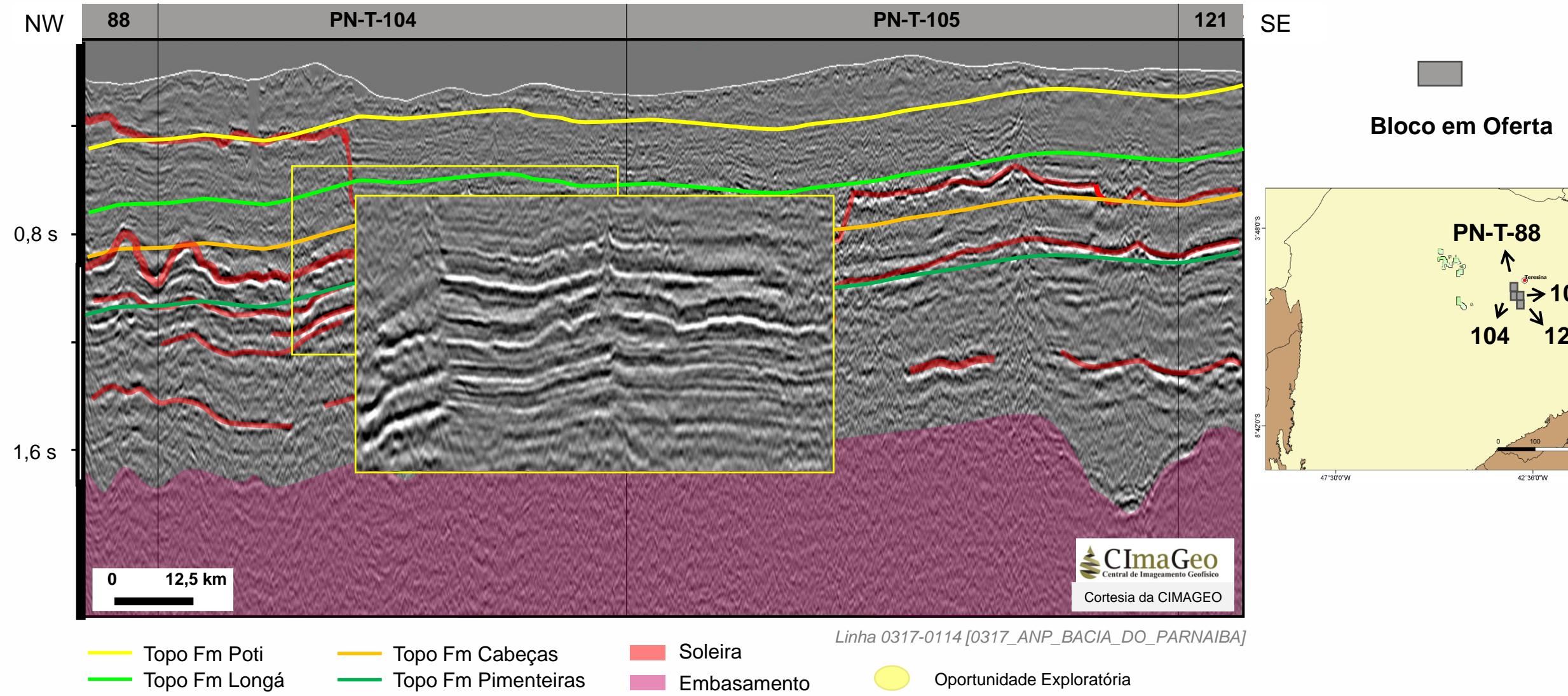

 — Topo Fm Poti — Topo Fm Cabeças Soleira
 — Topo Fm Longá — Topo Fm Pimenteiras Embasamento
 Oportunidade Exploratória

Linha 0317-0114 [0317_ANP_BACIA_DO_PARNAIBA]

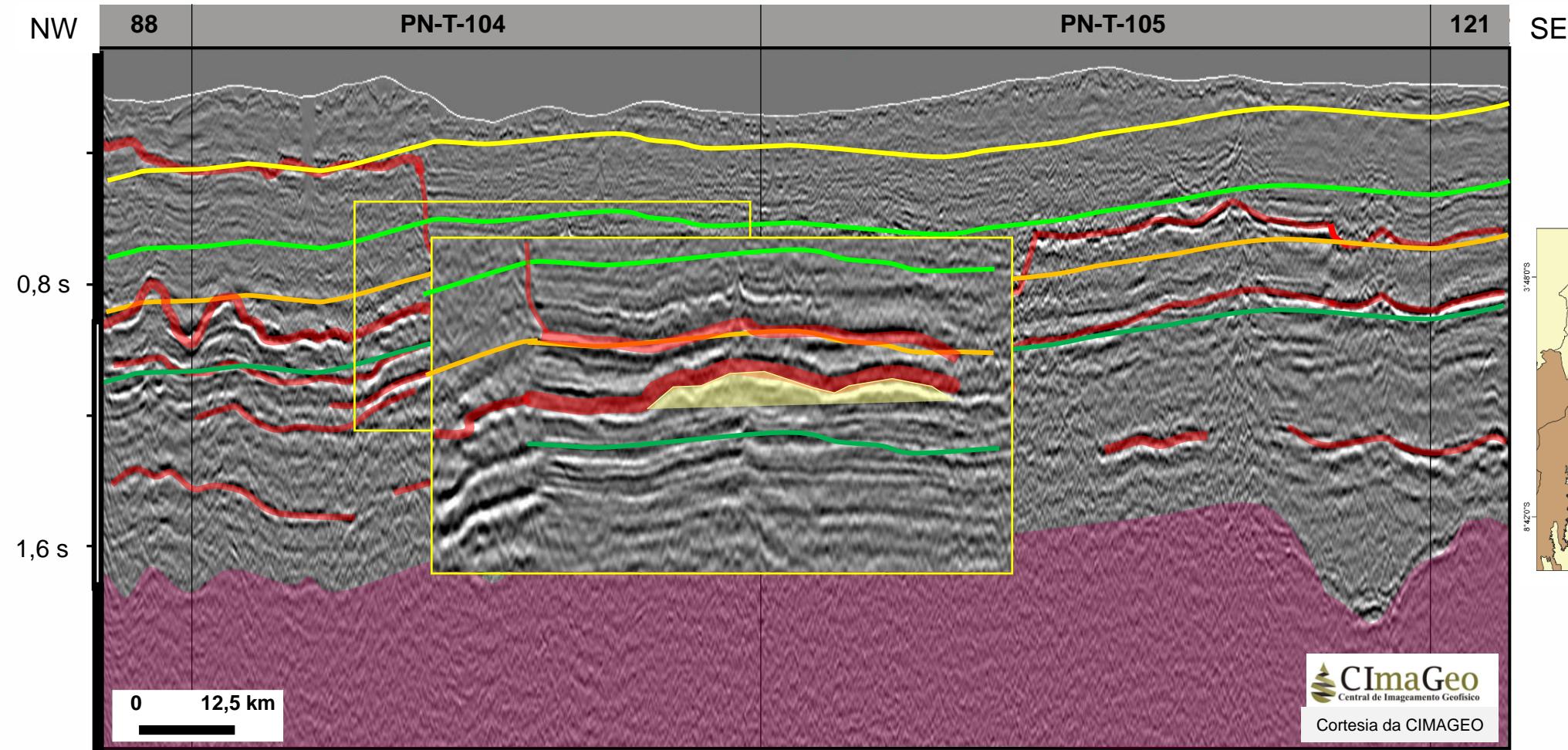


Bloco em Oferta

BACIA DO PARNAÍBA



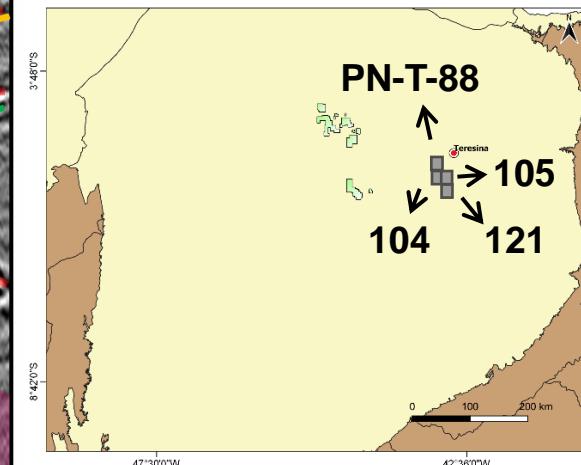
BACIA DO PARNAÍBA




CImaGeo
Central de Imagem Geofísico

Cortesia da CIMAGEO

 Bloco em Oferta



Topo Fm Poti
Topo Fm Cabeças
Topo Fm Longá

Topo Fm Cabeças
Topo Fm Pimenteiras

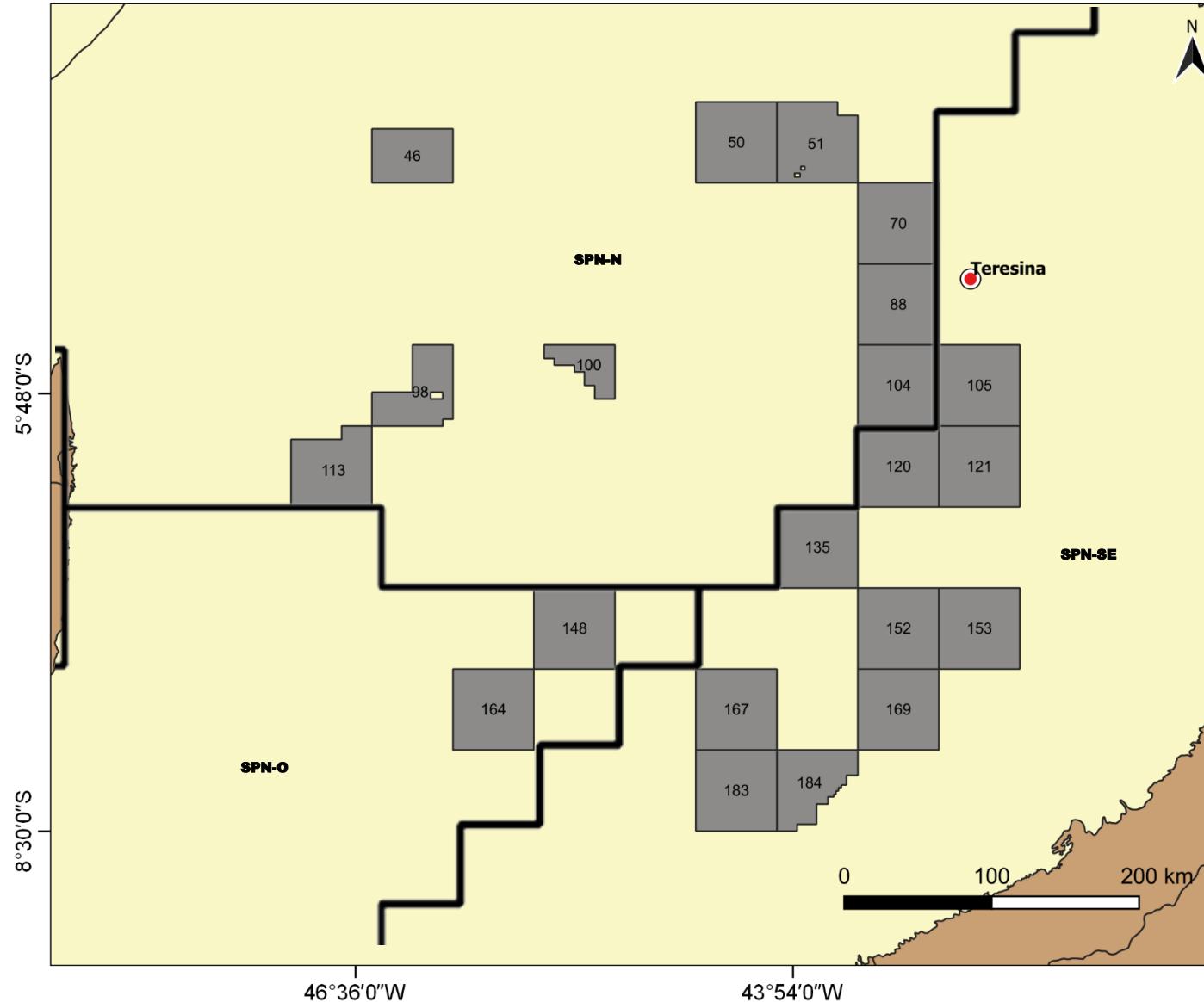
Soleira
Embasamento



Oportunidade Exploratória

Linha 0317-0114 [0317_ANP_BACIA_DO_PARNAIBA]

BACIA DO PARNAÍBA



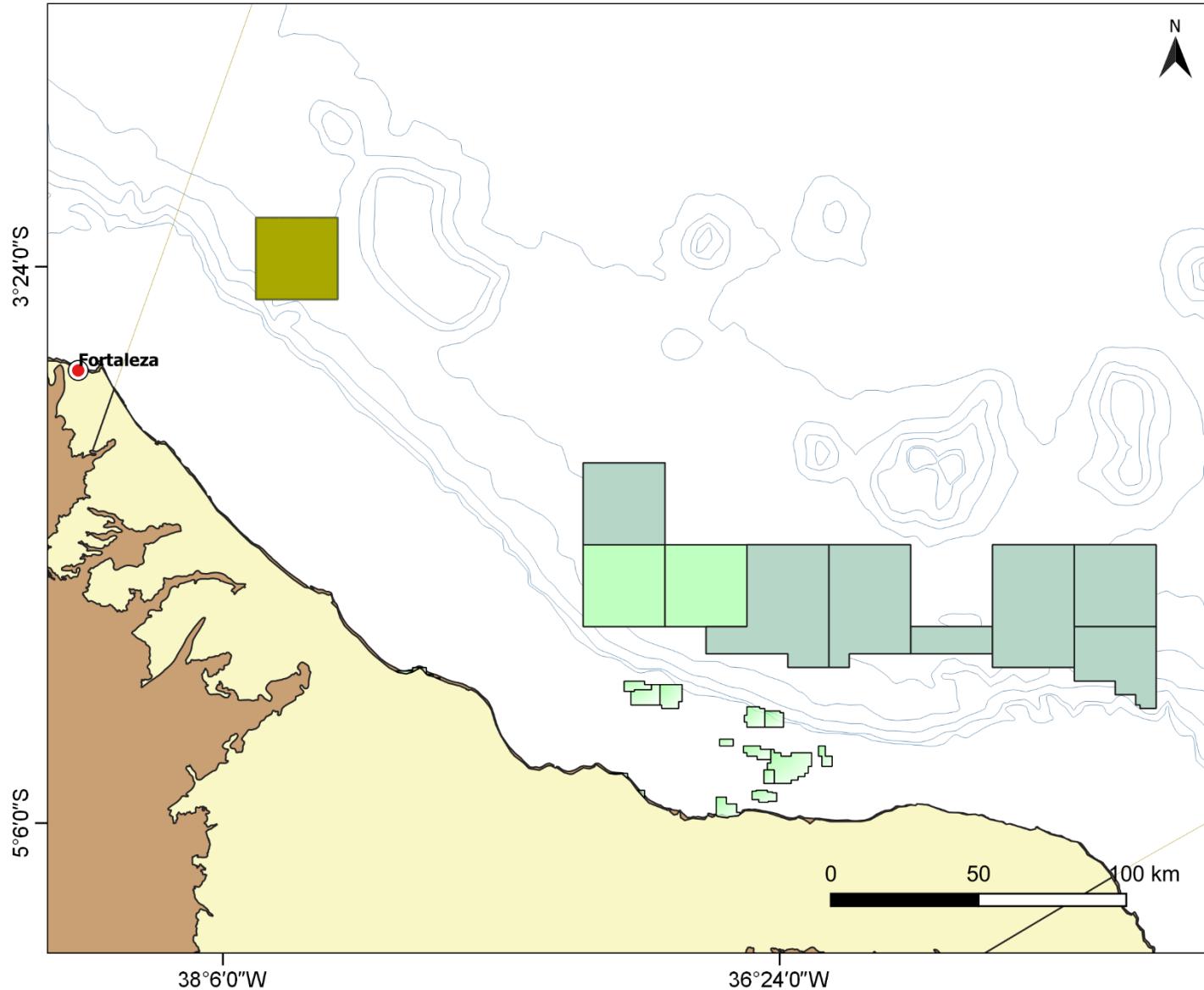
21 Blocos em Oferta

Bacias Marinhas

Pós-Sal e Pré-Sal

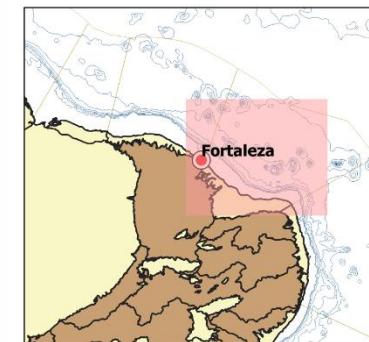


BACIA DO POTIGUAR - OFFSHORE



Blocos em concessão

- R7
- R11
- R15
- Campos em Produção

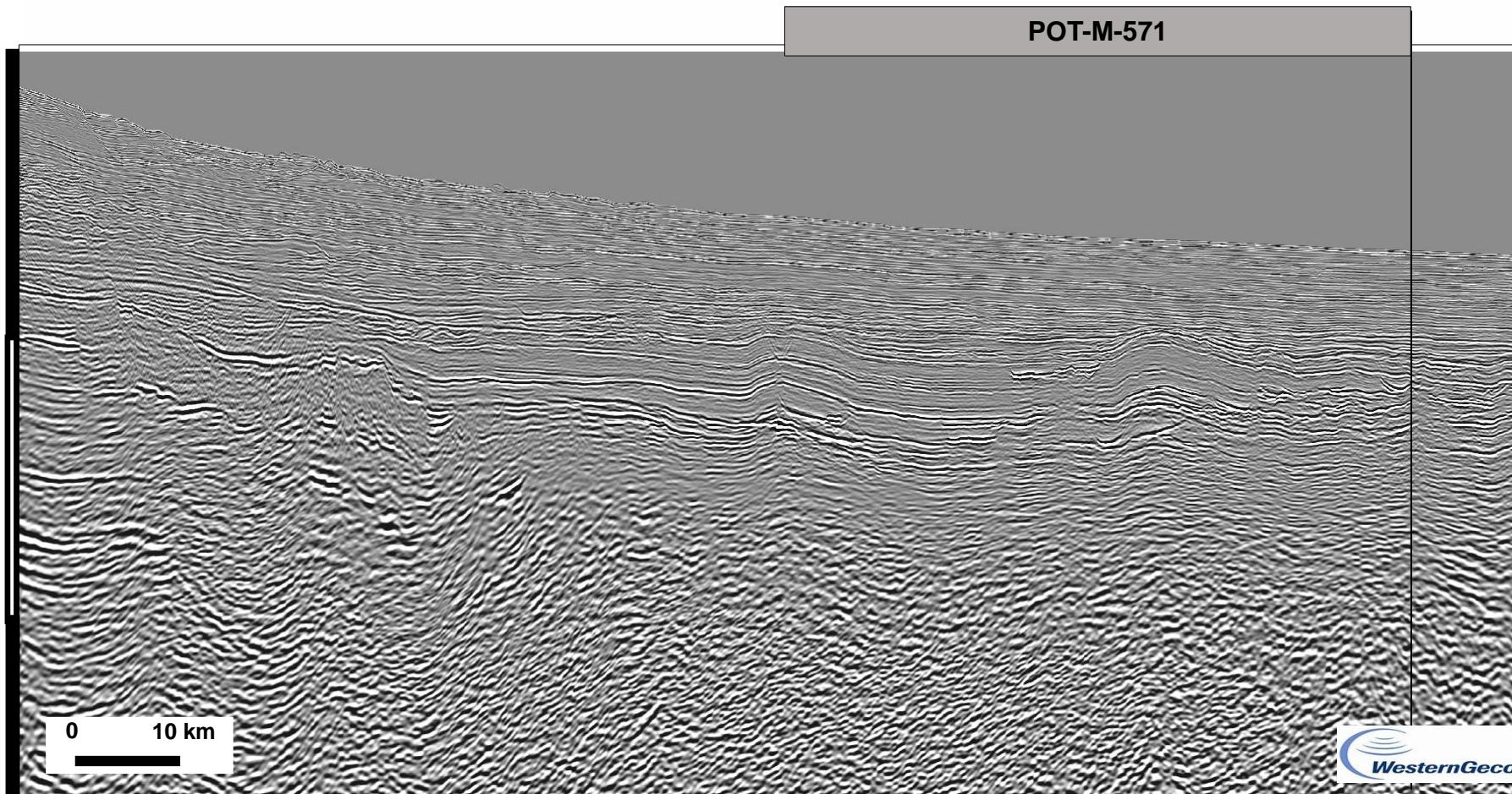


BACIA DO POTIGUAR - OFFSHORE

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp

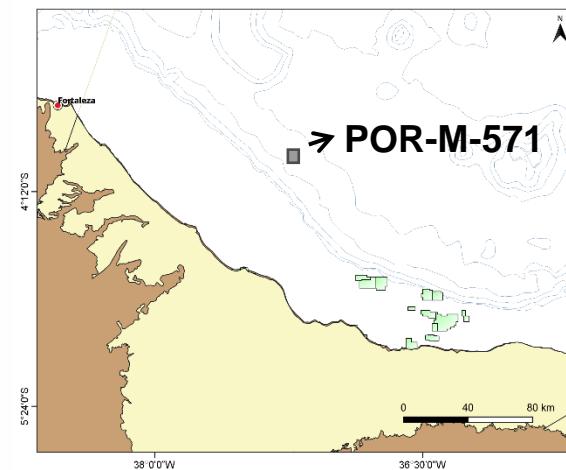
SW



NE



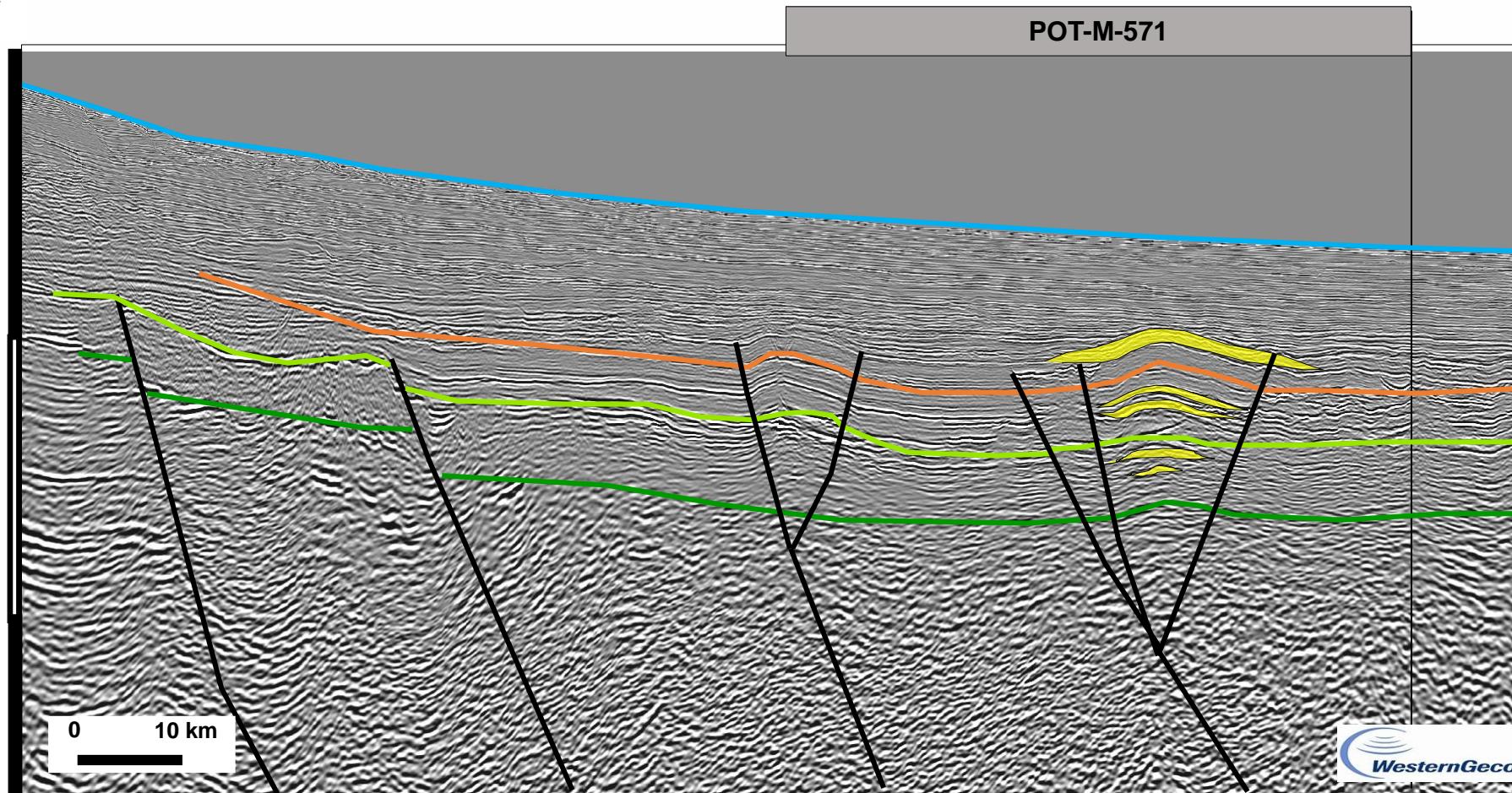
Bloco em Oferta



Linha 0258-6273 [R0258_2D_SPEC_PSDM_TTI_BM_POT]

BACIA DO POTIGUAR - OFFSHORE

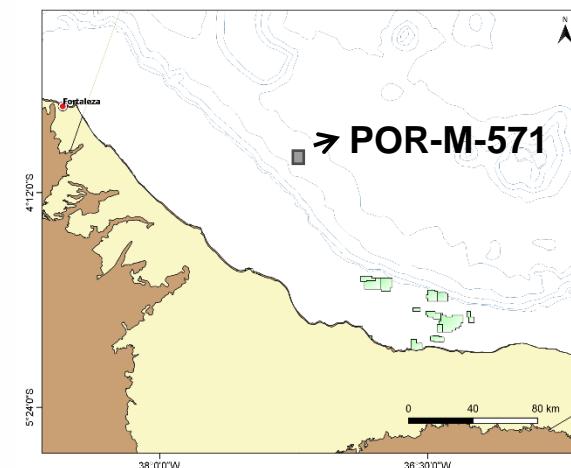
SW



NE



Bloco em Oferta



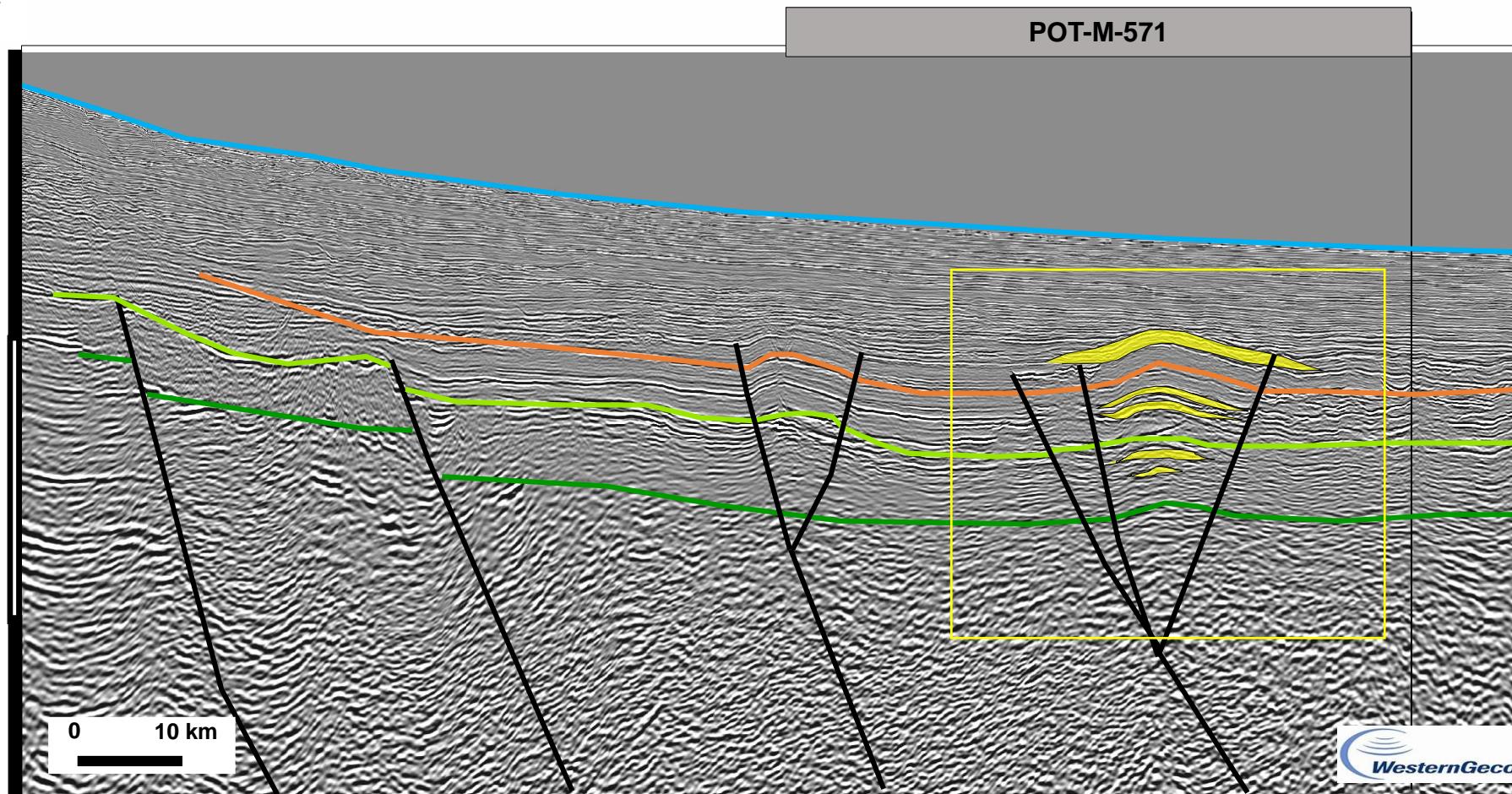
Linha 0258-6273 [R0258_2D_SPEC_PSDM_TTI_BM_POT]

- Fundo do mar
- Topo Fm Quebradas

- Topo Fm Alagamar
- Topo Fm Pescada
- Oportunidade Exploratória

BACIA DO POTIGUAR - OFFSHORE

SW



- Fundo do mar
- Topo Fm Quebradas

- Topo Fm Alagamar
- Topo Fm Pescada

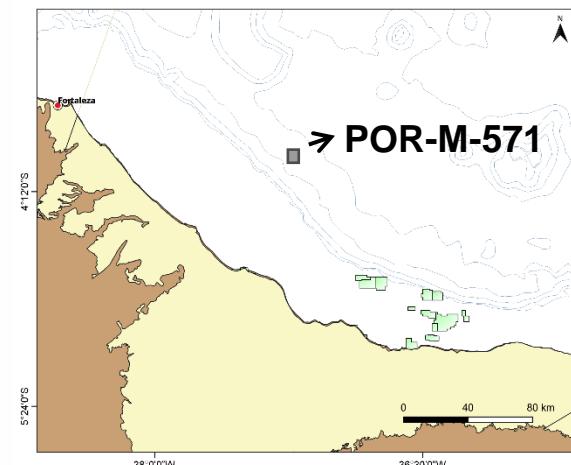


Oportunidade Exploratória

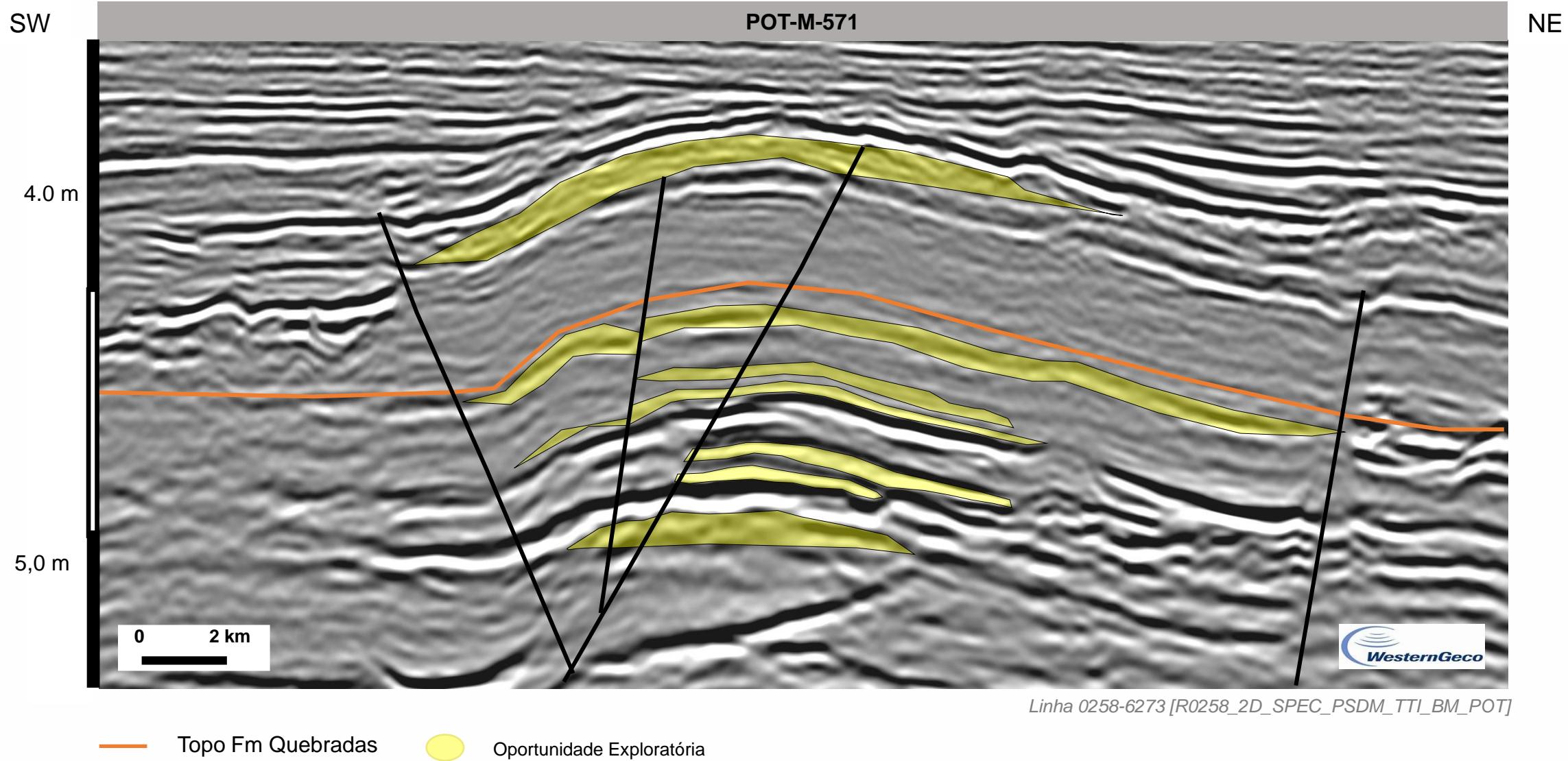
NE



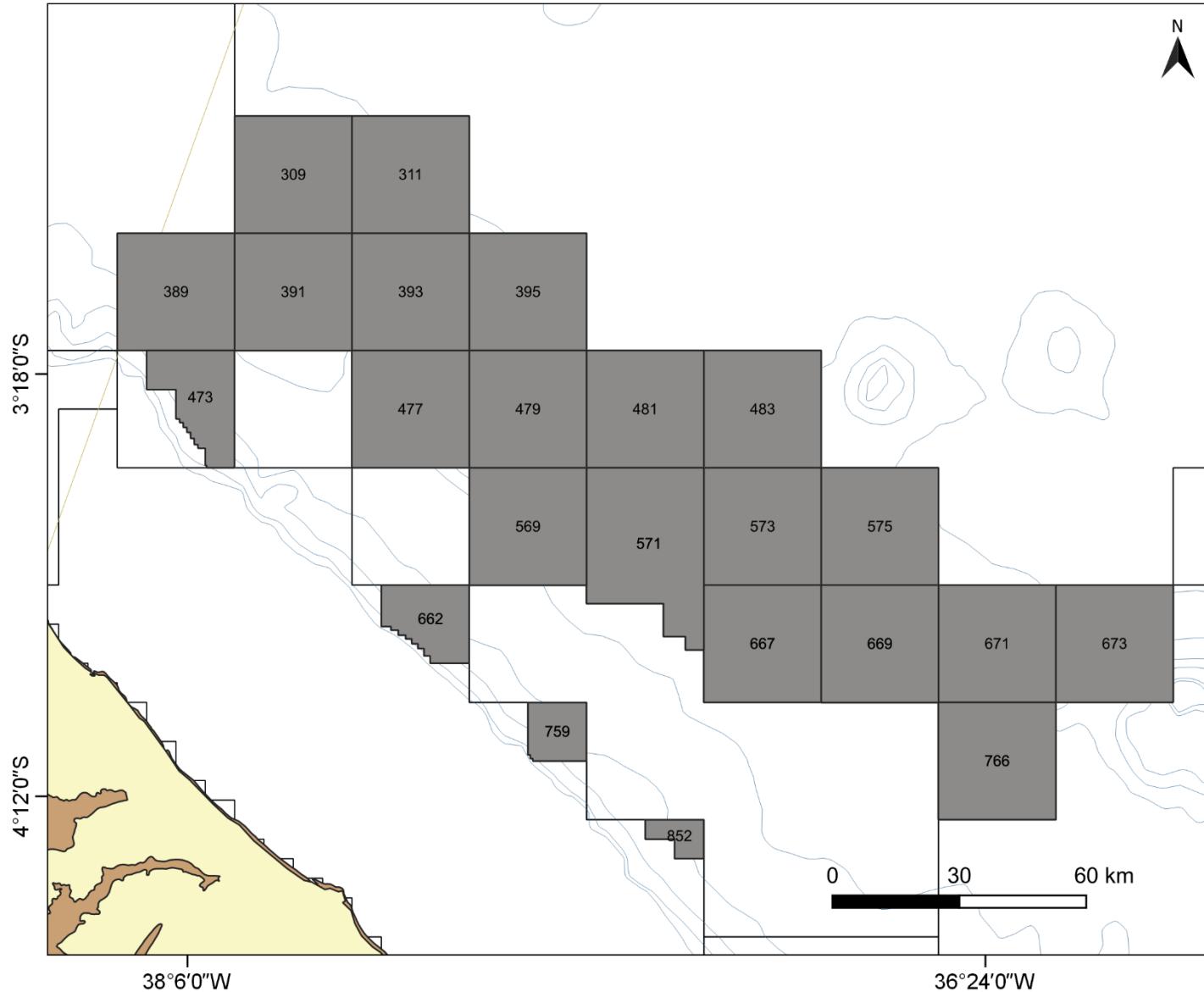
Bloco em Oferta



BACIA DO POTIGUAR - OFFSHORE

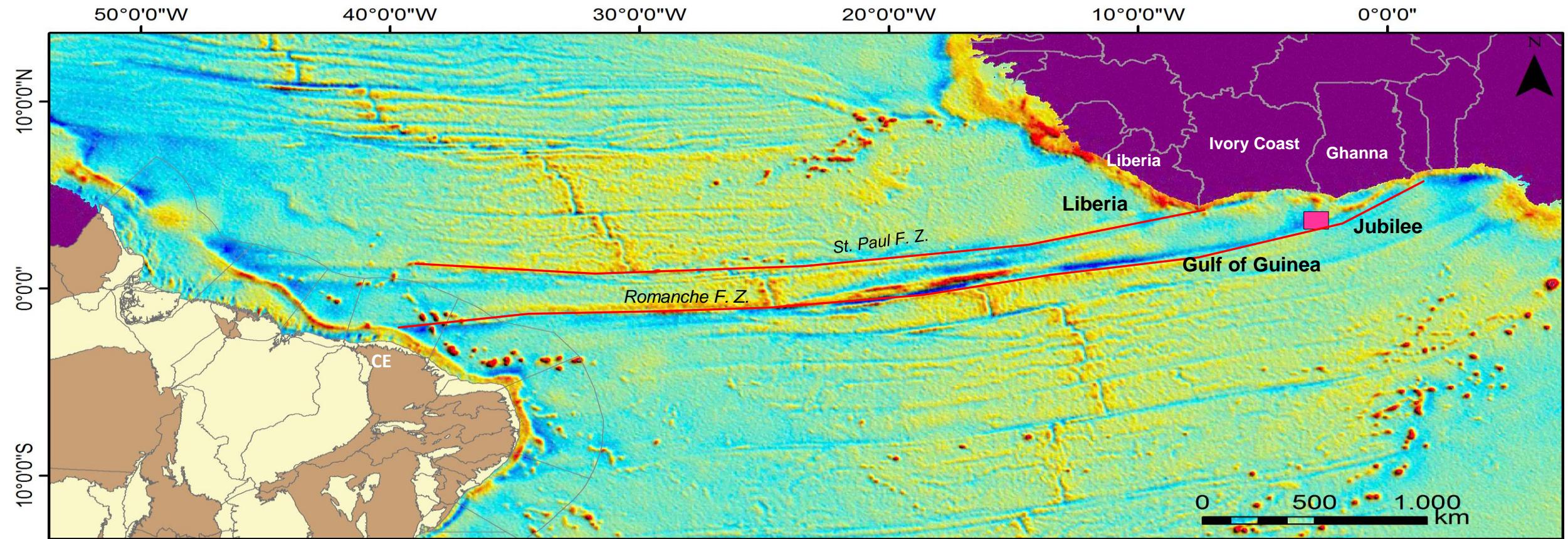


BACIA DO POTIGUAR - OFFSHORE

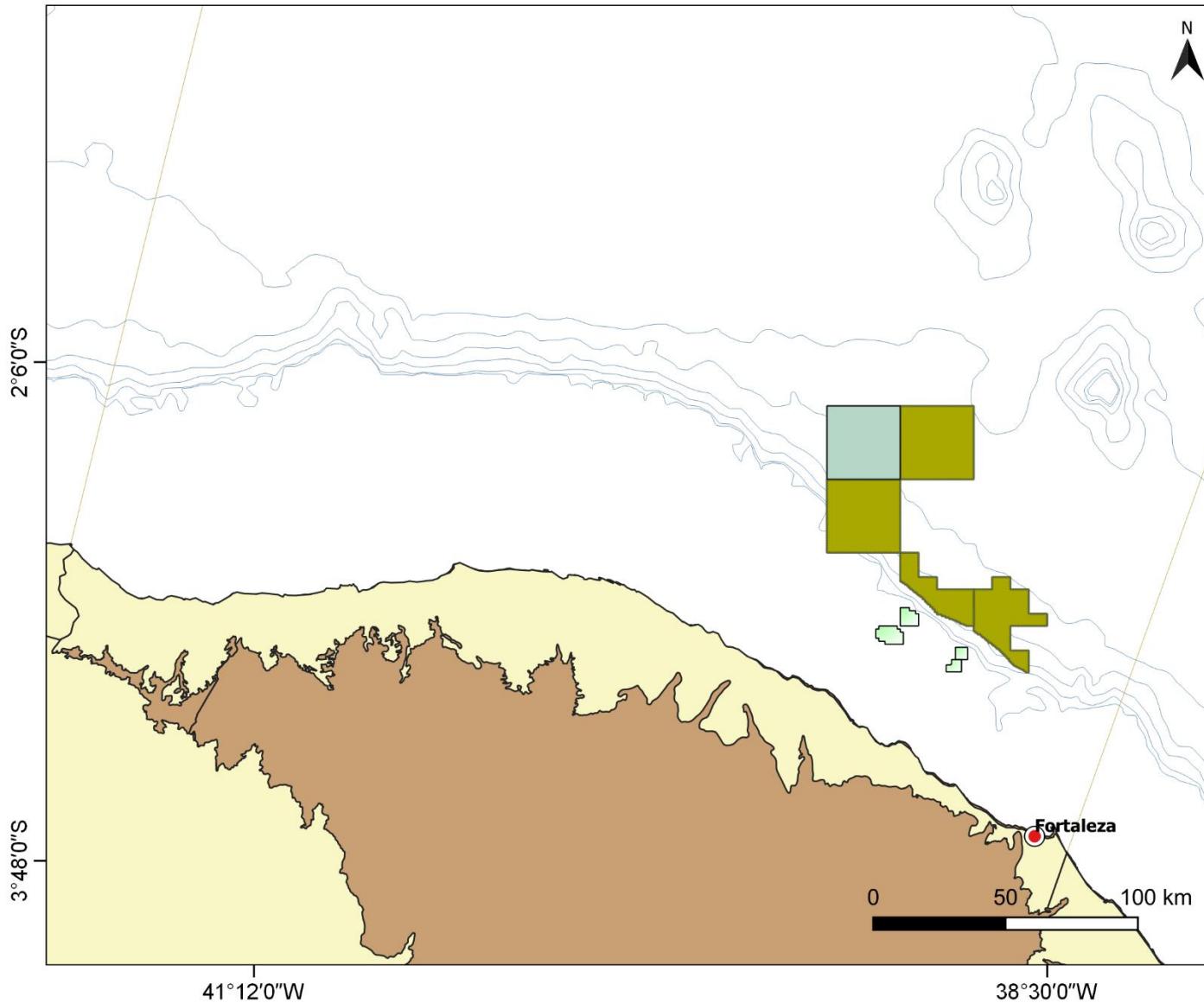


23 Blocos em Oferta

BACIA DO CEARÁ - OFFSHORE

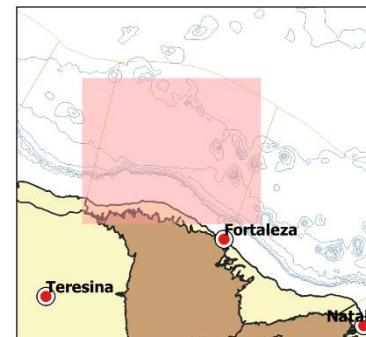


BACIA DO CEARÁ - OFFSHORE



Blocos em concessão

-  R11
-  R15
-  Campos em Produção



BACIA DO CEARÁ - OFFSHORE

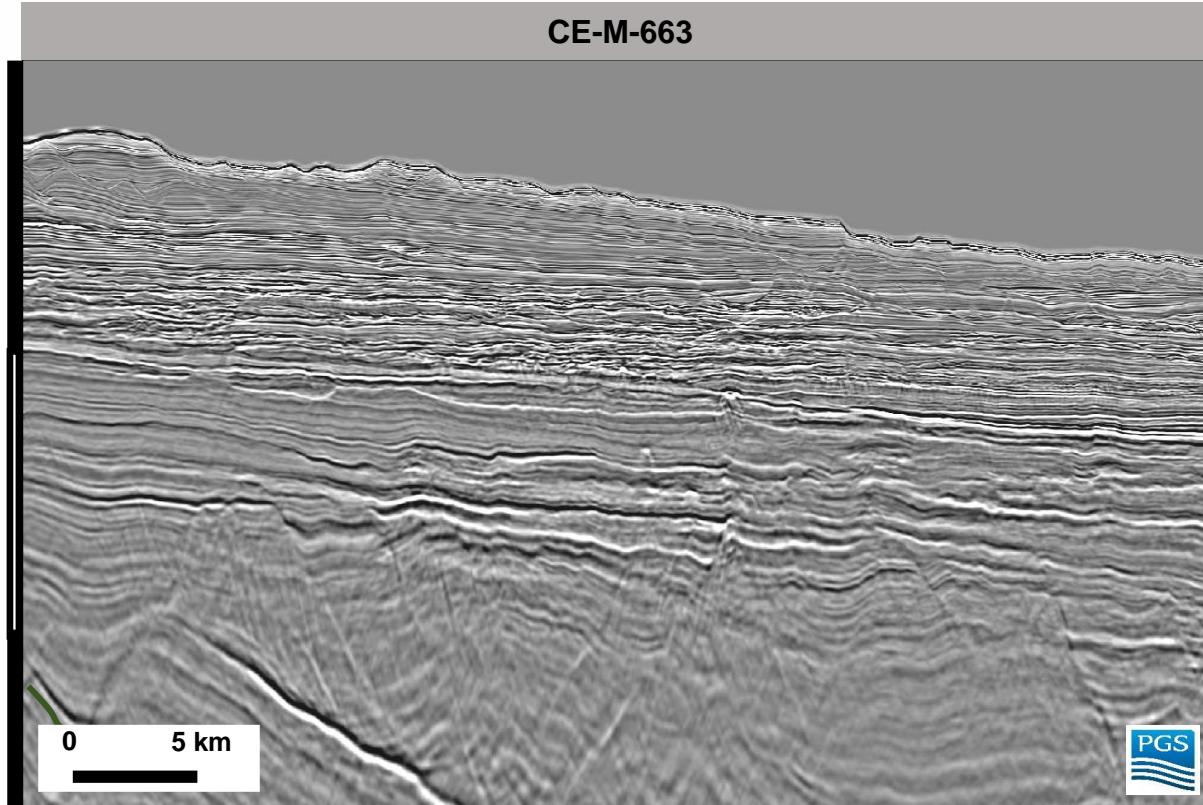
SW

NE

CE-M-663

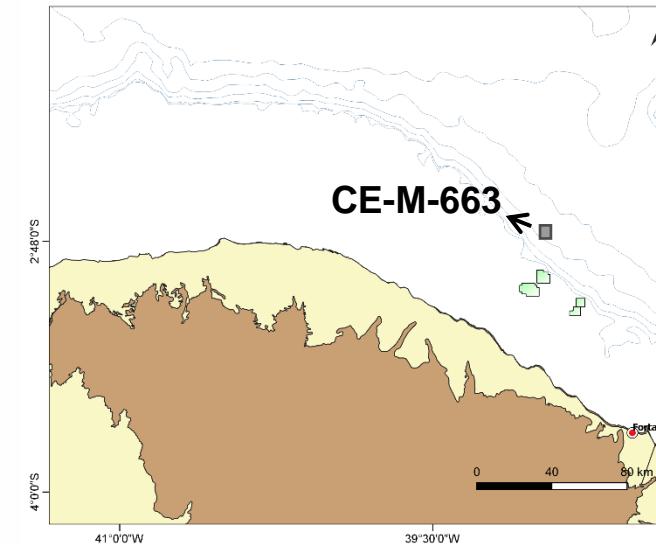
2,4 m

4,8 m



Linha 0268-7589 [0268_CEARA_FORTALEZA]

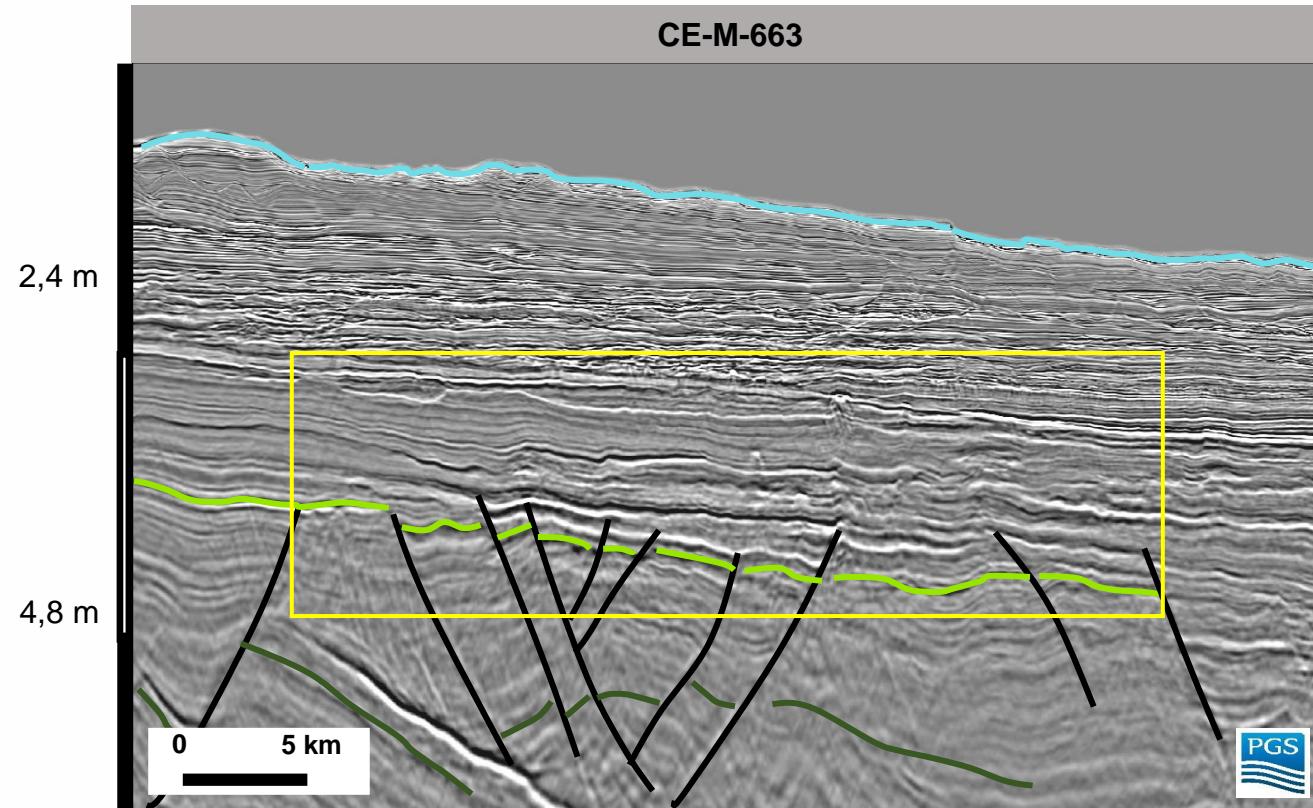
Bloco em Oferta



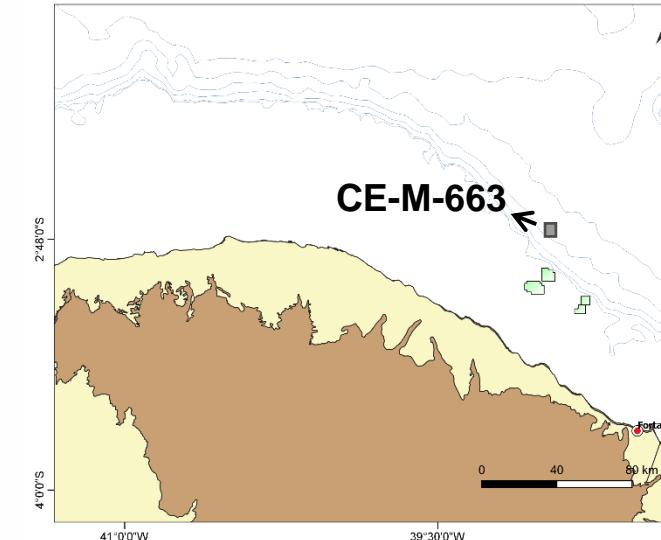
BACIA DO CEARÁ - OFFSHORE

SW

NE



Bloco em Oferta



BACIA DO CEARÁ - OFFSHORE

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp

SW

NE

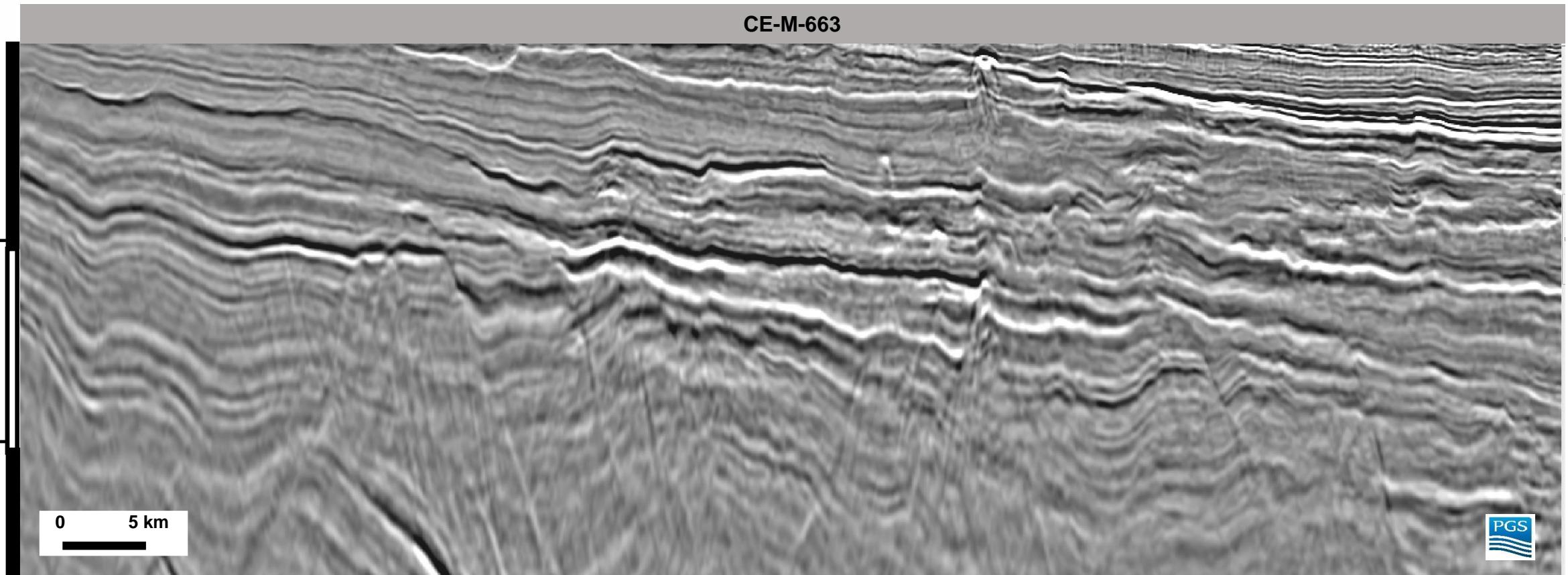
CE-M-663

4,0 m

4,8 m

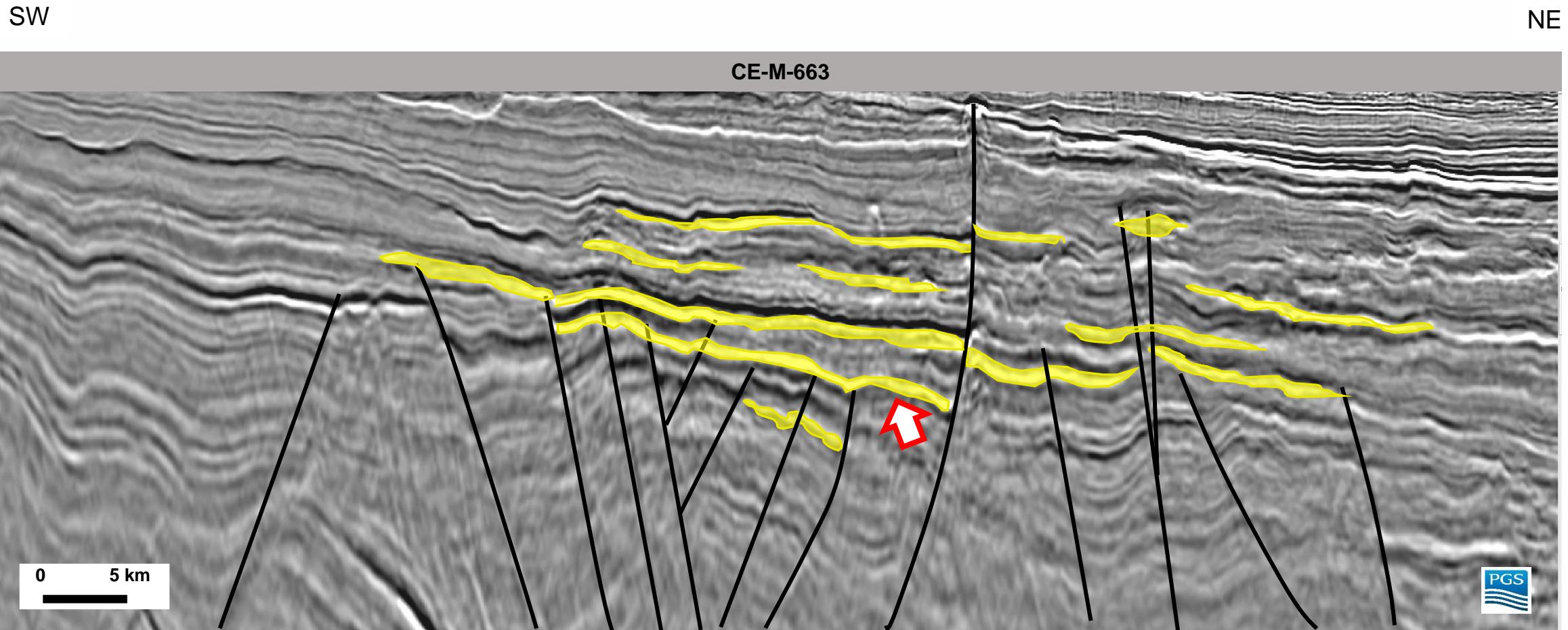
0 5 km

PGS



Linha 0268-7589 [0268_CEARA_FORTALEZA]

BACIA DO CEARÁ - OFFSHORE

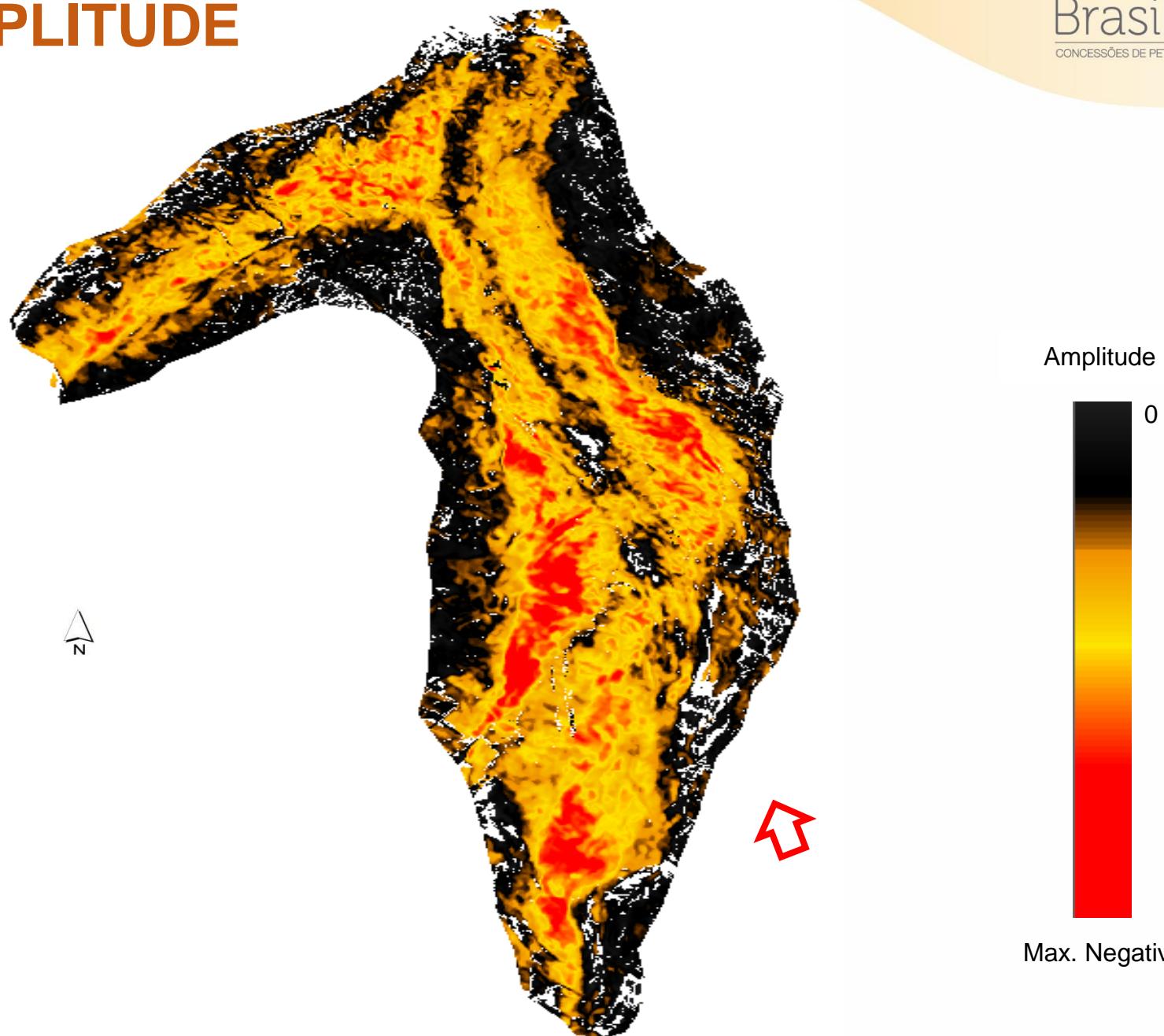


Linha 0268-7589 [0268_CEARA_FORTALEZA]



Oportunidade Exploratória

MAPA DE AMPLITUDE



BACIA DO CEARÁ - OFFSHORE

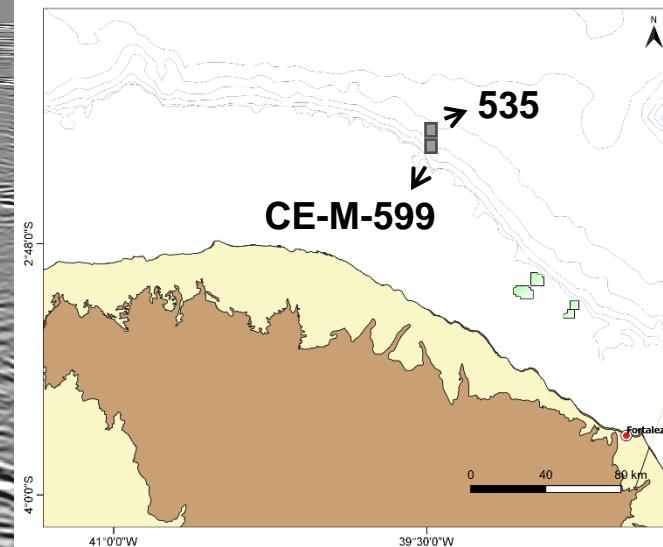
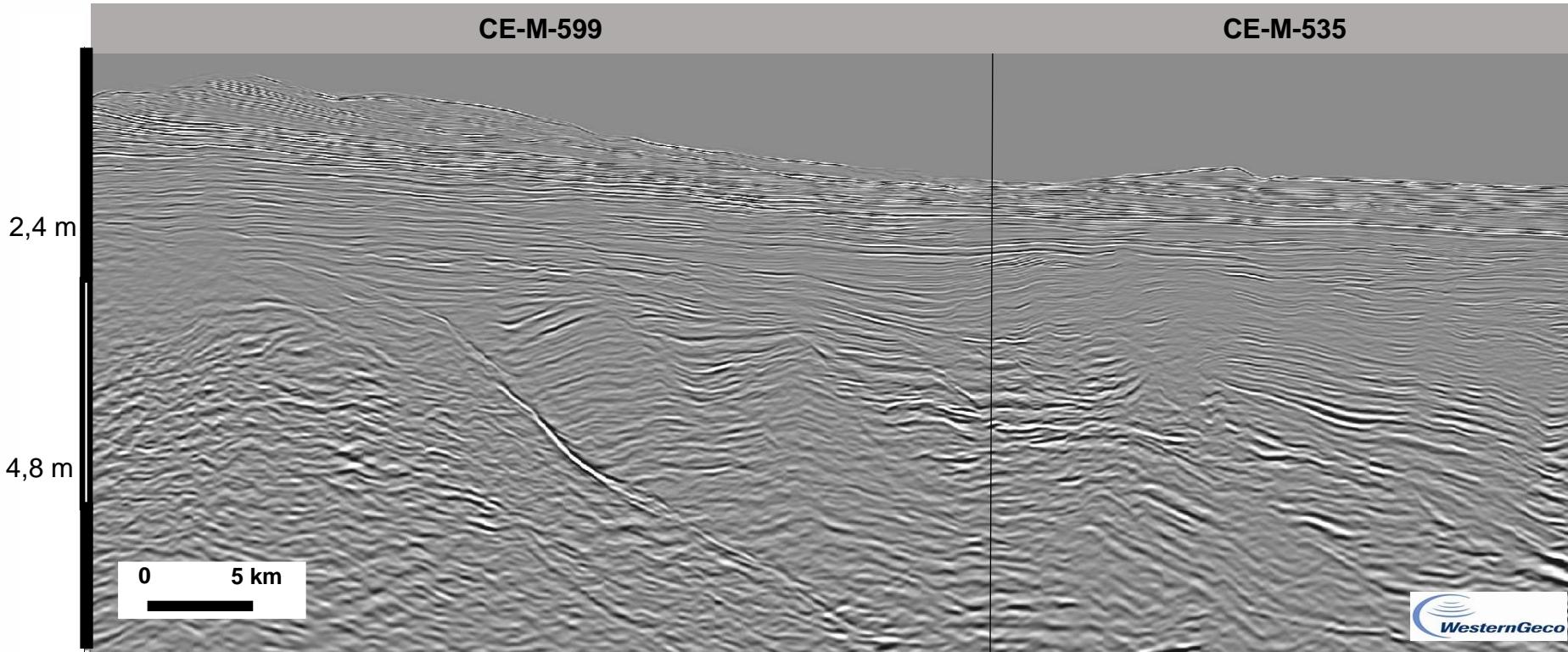
SW

NE

CE-M-599

CE-M-535

Bloco em Oferta



Linha 0258-5955 [R0268_2D_SPEC_PSDM_TTI_BM_POT_KPSDM]

BACIA DO CEARÁ - OFFSHORE

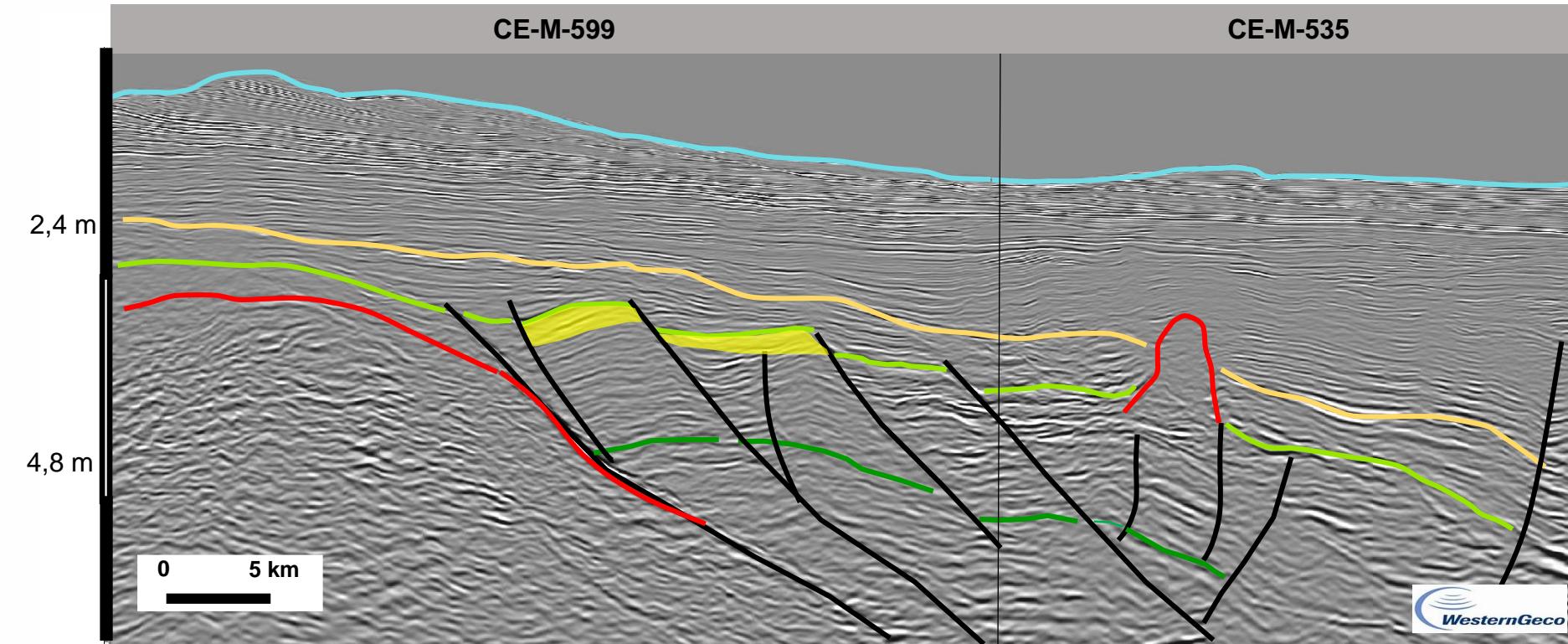
SW

NE

CE-M-599

CE-M-535

Bloco em Oferta



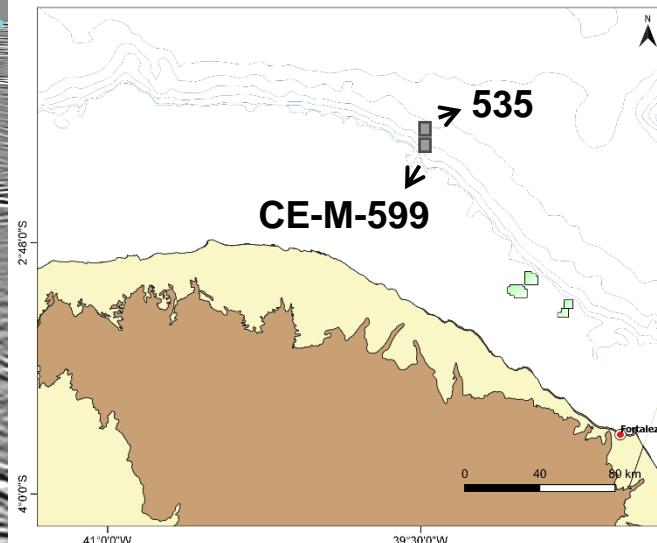
Linha 0258-5955 [R0268_2D_SPEC_PSDM_TTI_BM_POT_KPSDM]

- Discordância Albo-Cenomaniano
- Topo Fm Paracuru

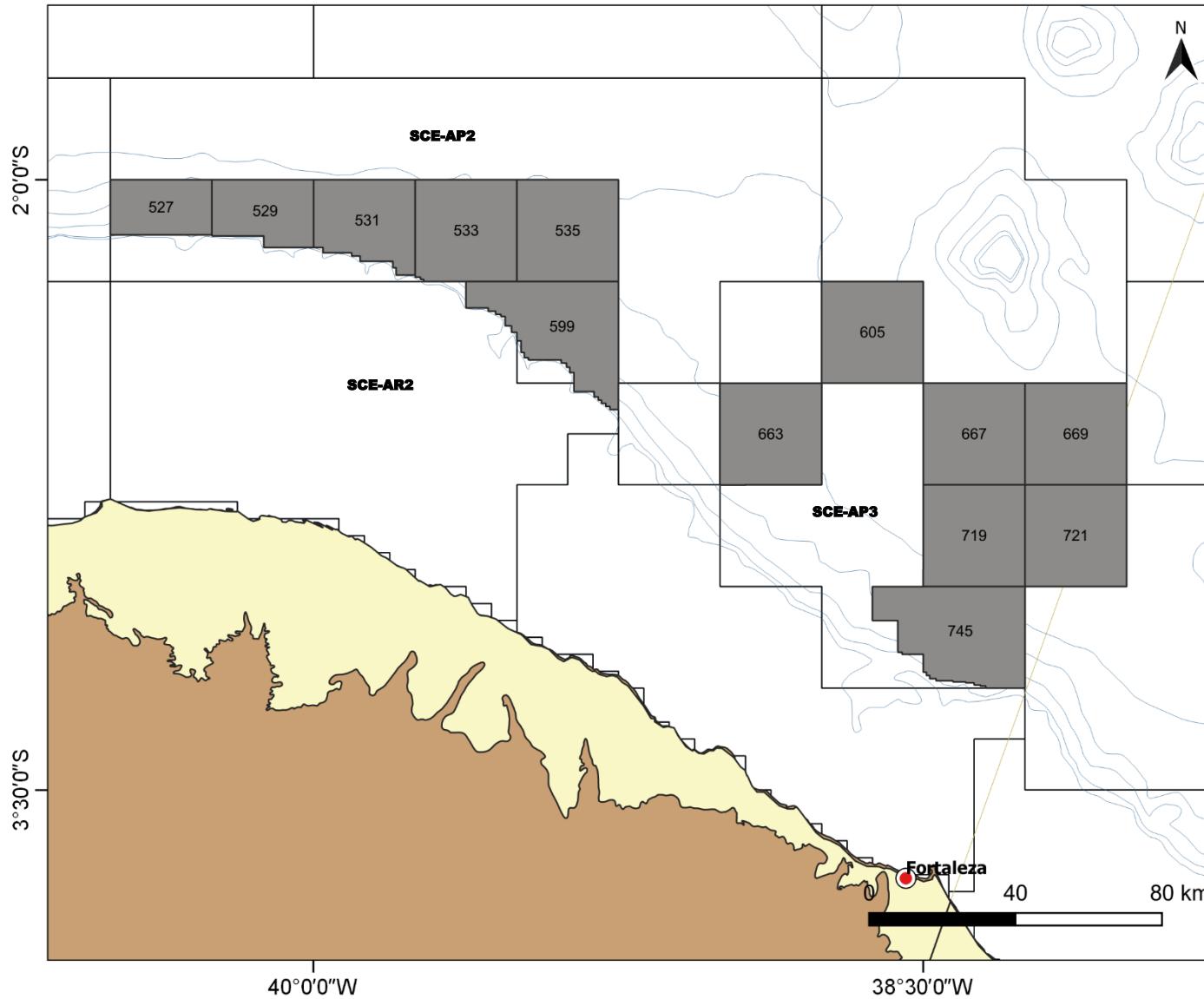
- Topo Fm Mundaú
- Rochas Vulcânicas



Oportunidade Exploratória

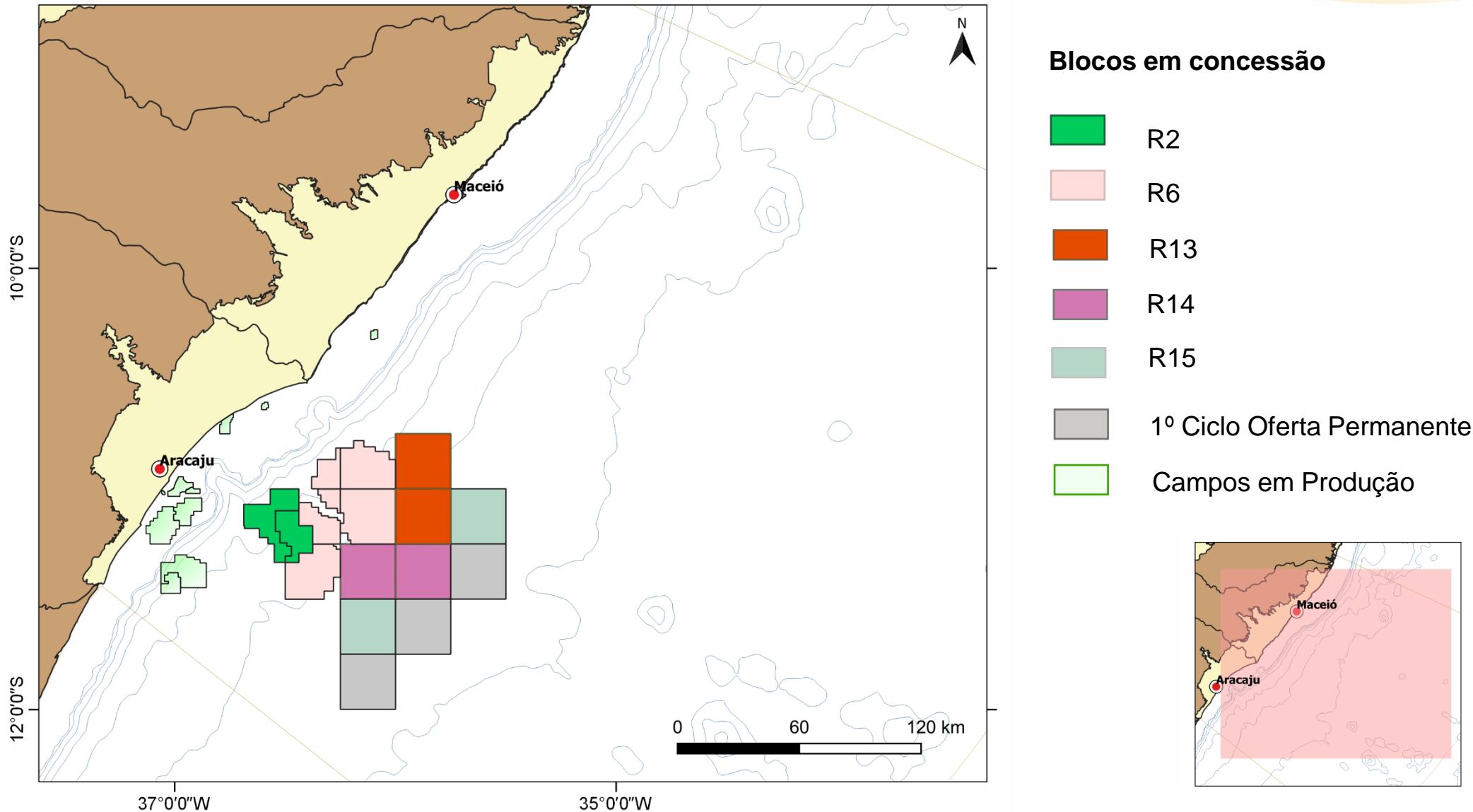


BACIA DO CEARÁ - OFFSHORE



13 Blocos em Oferta

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

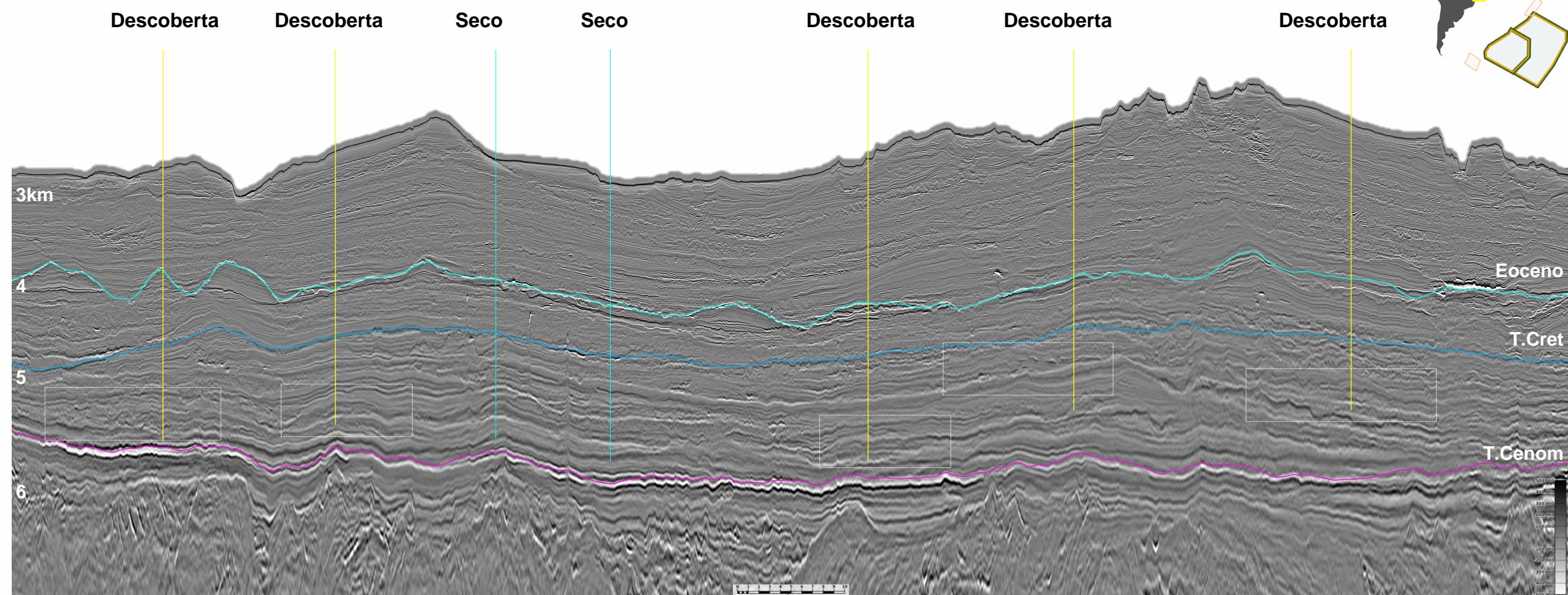
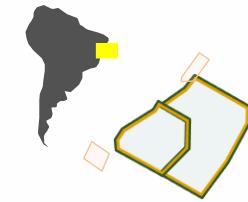


BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA CONCEDIDA

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



NEAR STACK

R0014_BM_SEAL_4_10_11_PSDM – Cortesia da PGS

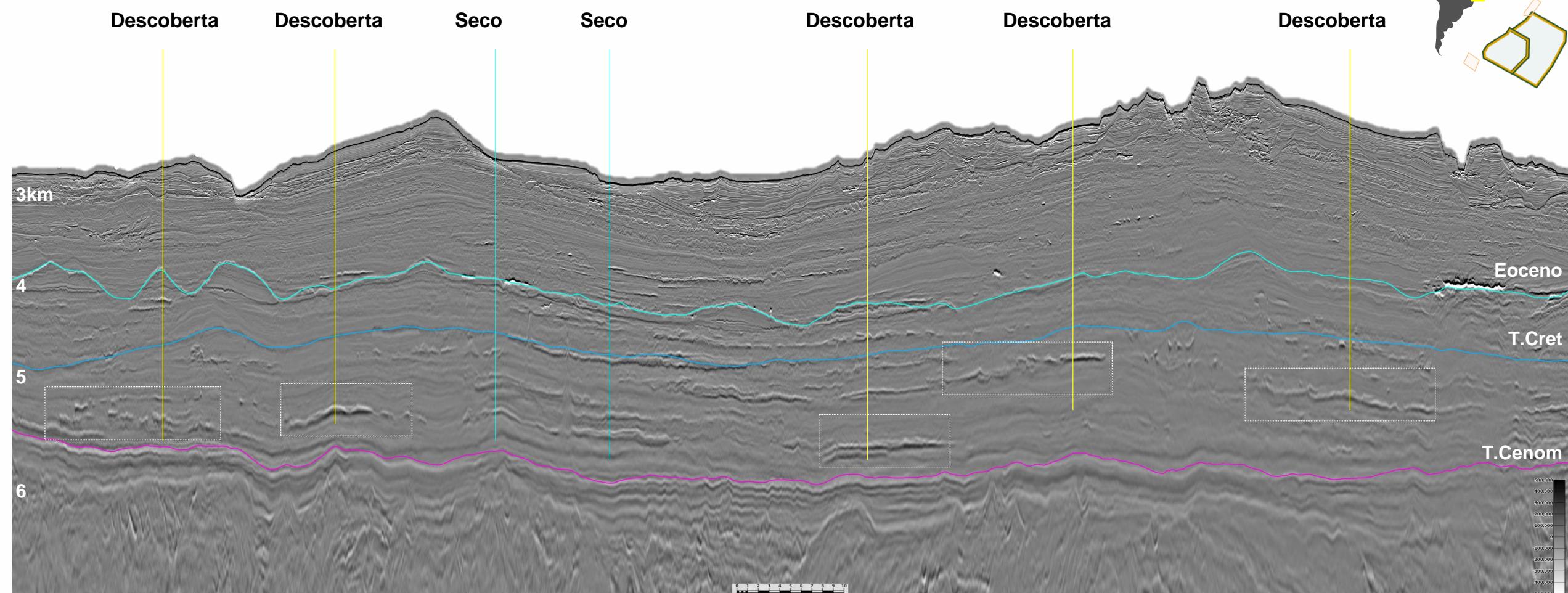
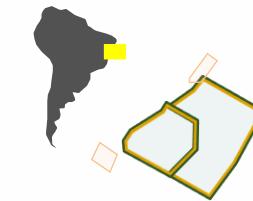
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA CONCEDIDA

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



ULTRA-FAR STACK

R0014_BM_SEAL_4_10_11_PSDM – Cortesia da PGS

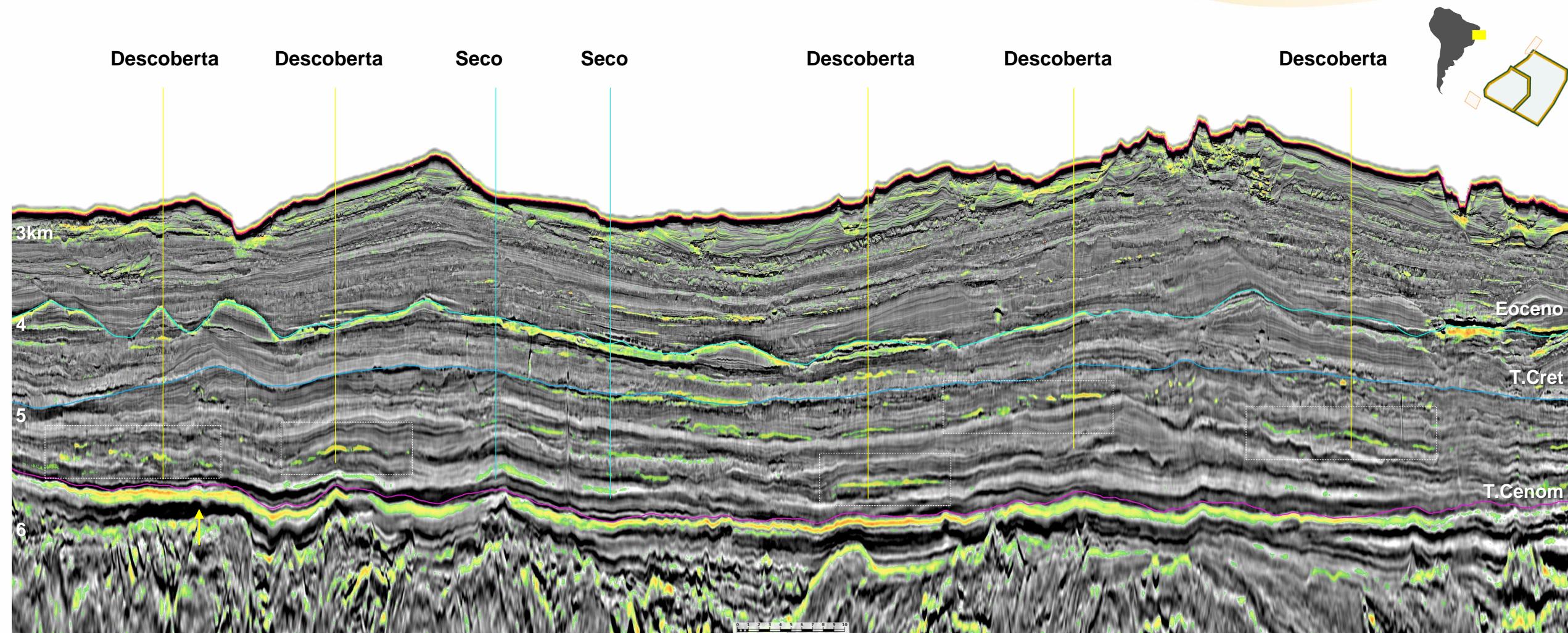
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA CONCEDIDA

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



ATRIBUTO (QI)

R0014_BM_SEAL_4_10_11_PSDM – Cortesia da PGS

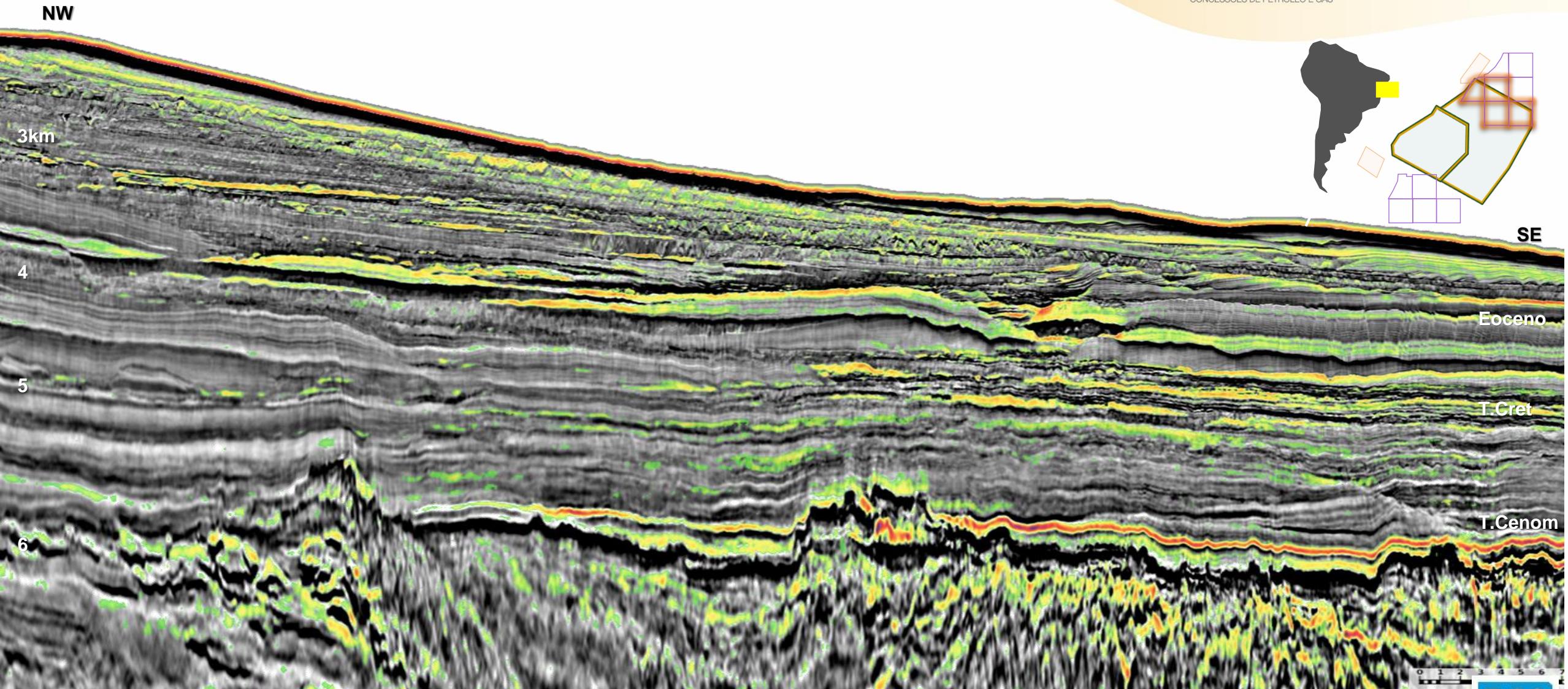
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Norte)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



ATRIBUTO (QI)

0268_SEAL_PIRAMBU – Cortesia da PGS

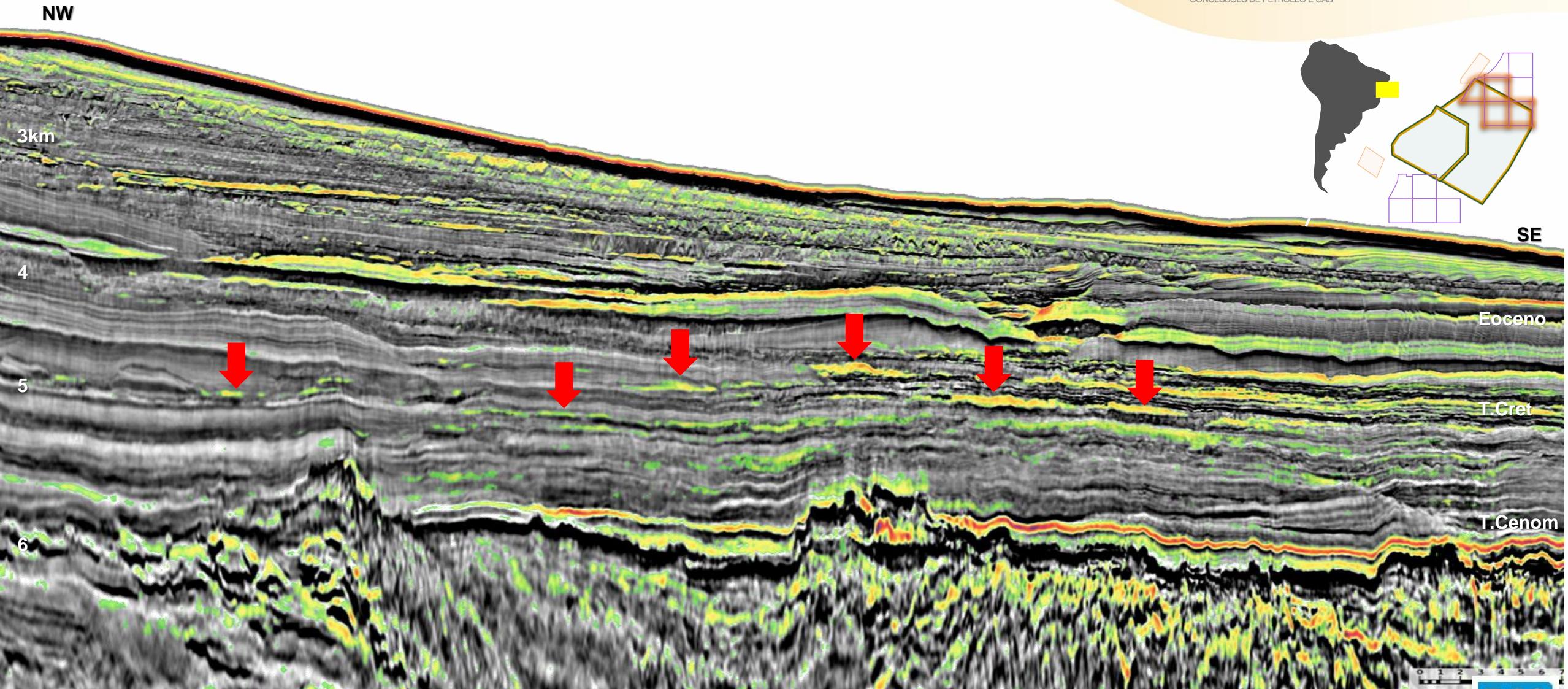
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Norte)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



ATRIBUTO (QI)

0268_SEAL_PIRAMBU – Cortesia da PGS

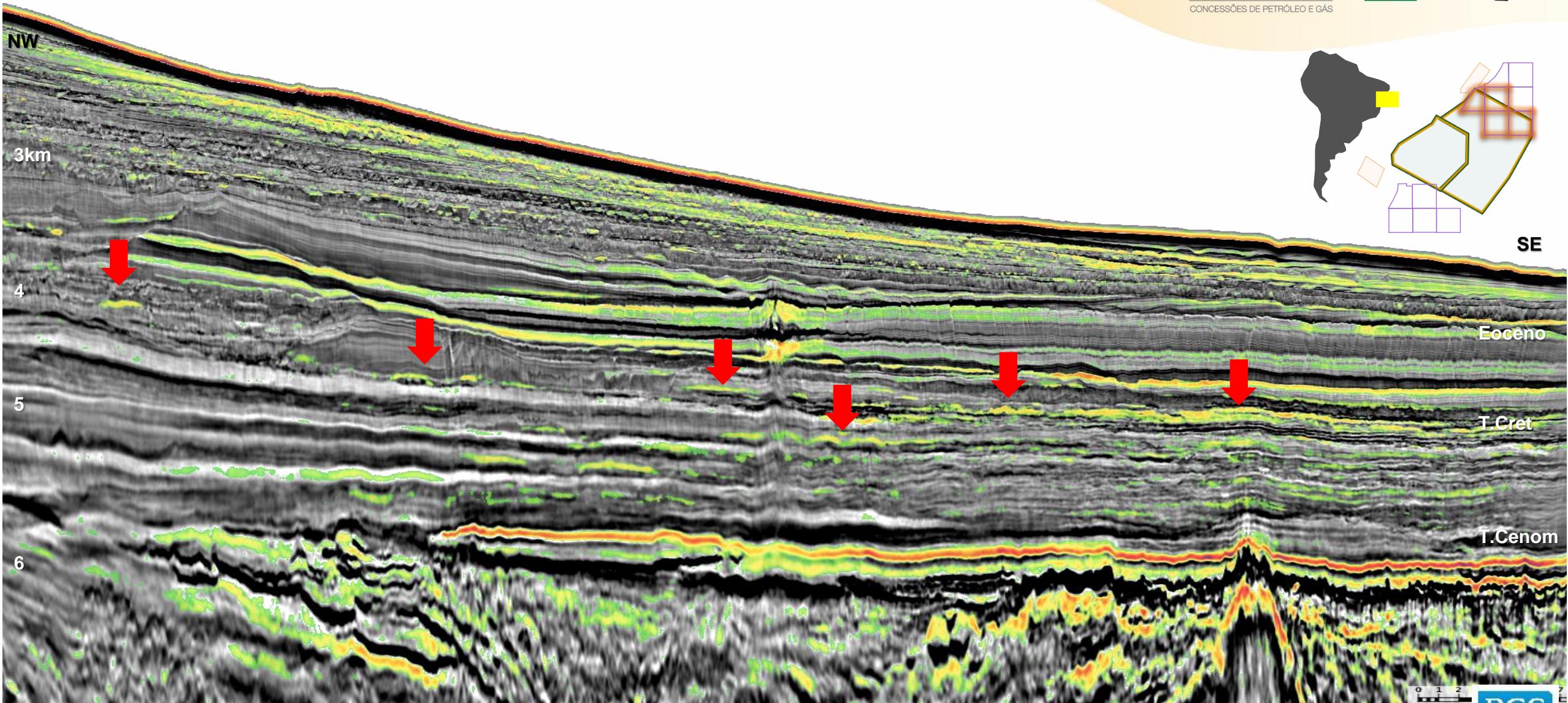
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Norte)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



ATRIBUTO (QI)

0268_SEAL_PIRAMBU – Cortesia da PGS

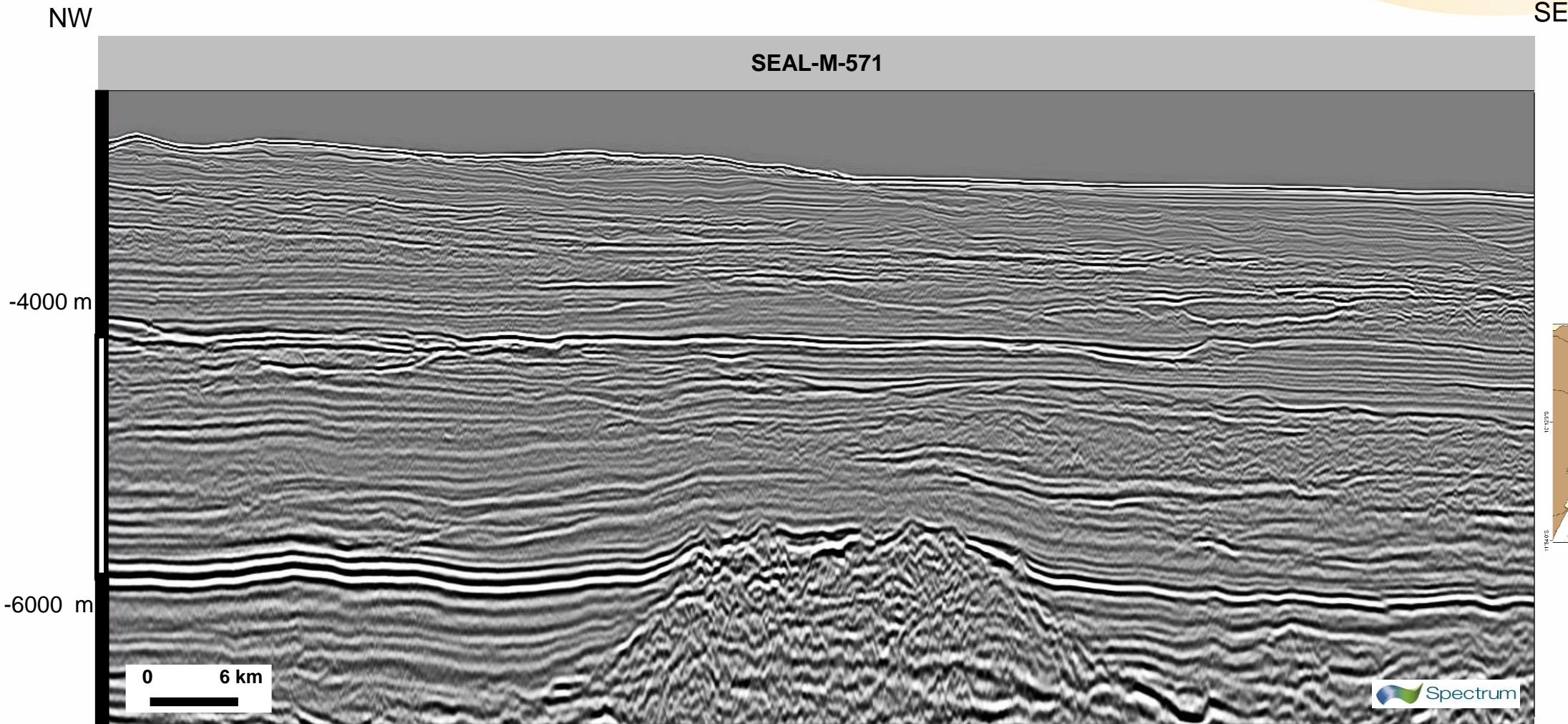
PGS

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



Spectrum

[R0257_SEALP1_PSDM]

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp

NW

SE

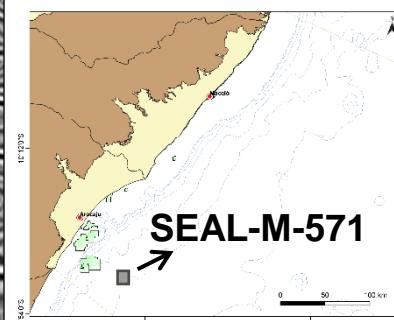
SEAL-M-571

-4000 m

-6000 m

0 6 km

Bloco em Oferta



[R0257_SEALP1_PSDM]

Paleoceno

Turoniano

Maastrichtiano

Vulcânica



Oportunidade Exploratória

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp

NW

SE

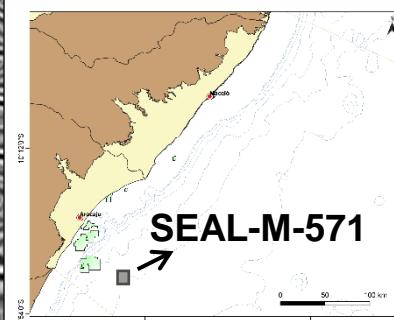
SEAL-M-571

-4000 m

-6000 m

0 6 km

Bloco em Oferta



[R0257_SEALP1_PSDM]

Paleoceno

Turoniano

Maastrichtiano

Vulcânica



Oportunidade Exploratória

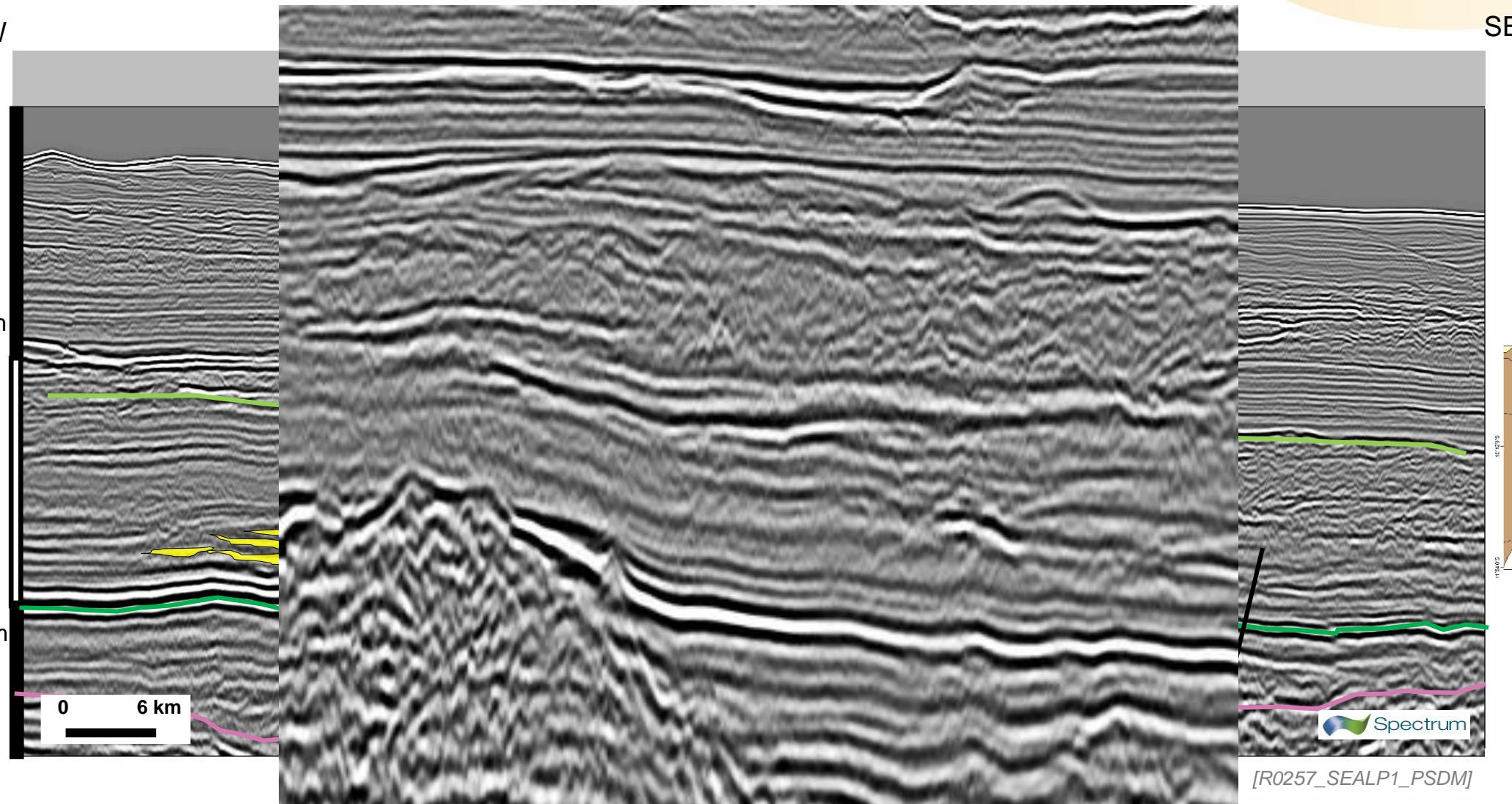
BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

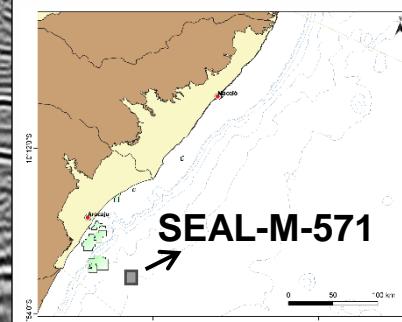
OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp

NW



Bloco em Oferta



SEAL-M-571

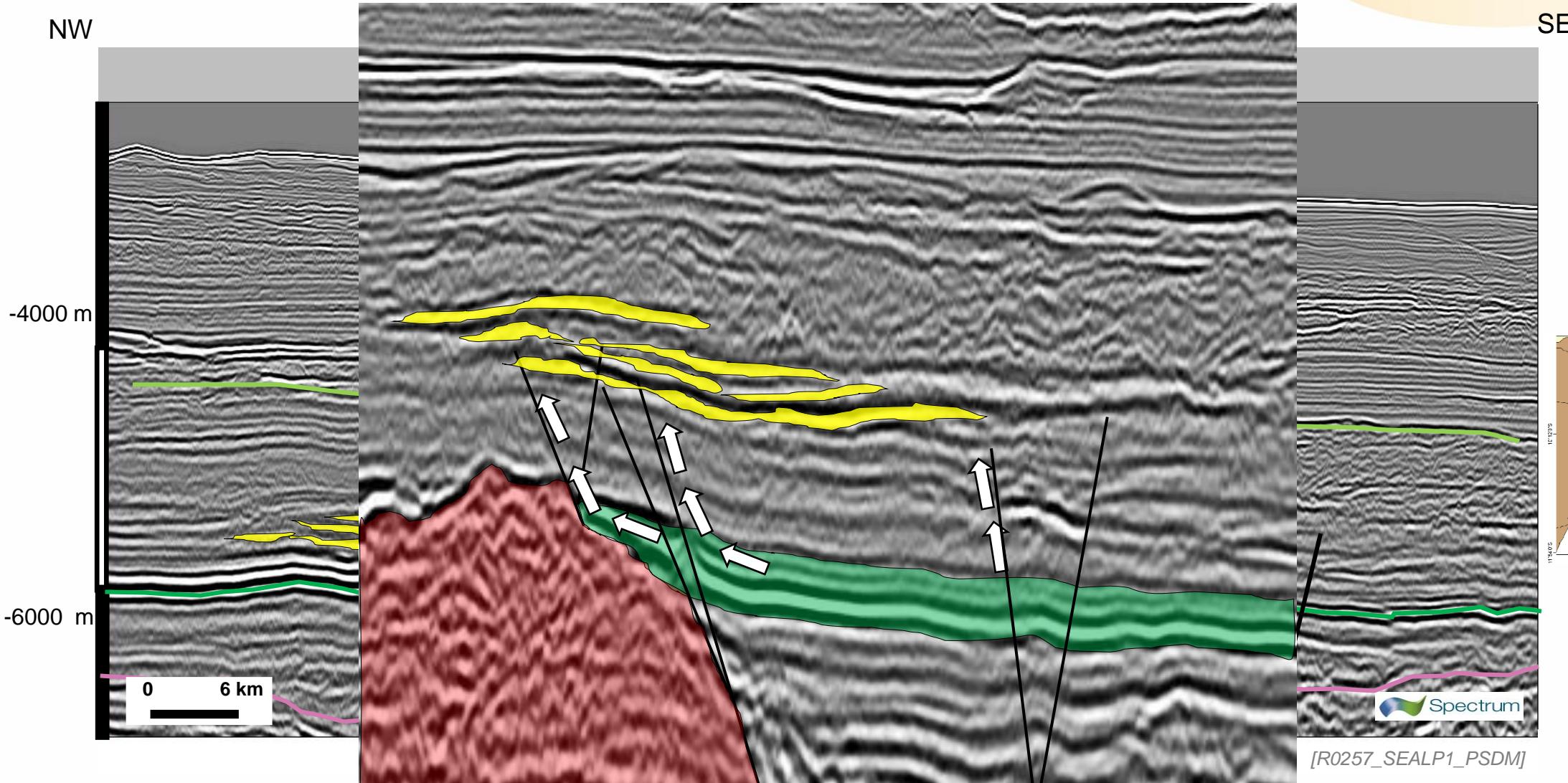
[R0257_SEALP1_PSDM]

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



Gerador Marinho

Turbiditos

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp

NW

SE

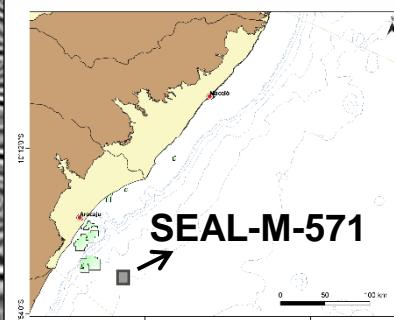
SEAL-M-571

-4000 m

-6000 m

0 6 km

Bloco em Oferta



[R0257_SEALP1_PSDM]

Paleoceno

Turoniano

Maastrichtiano

Vulcânica



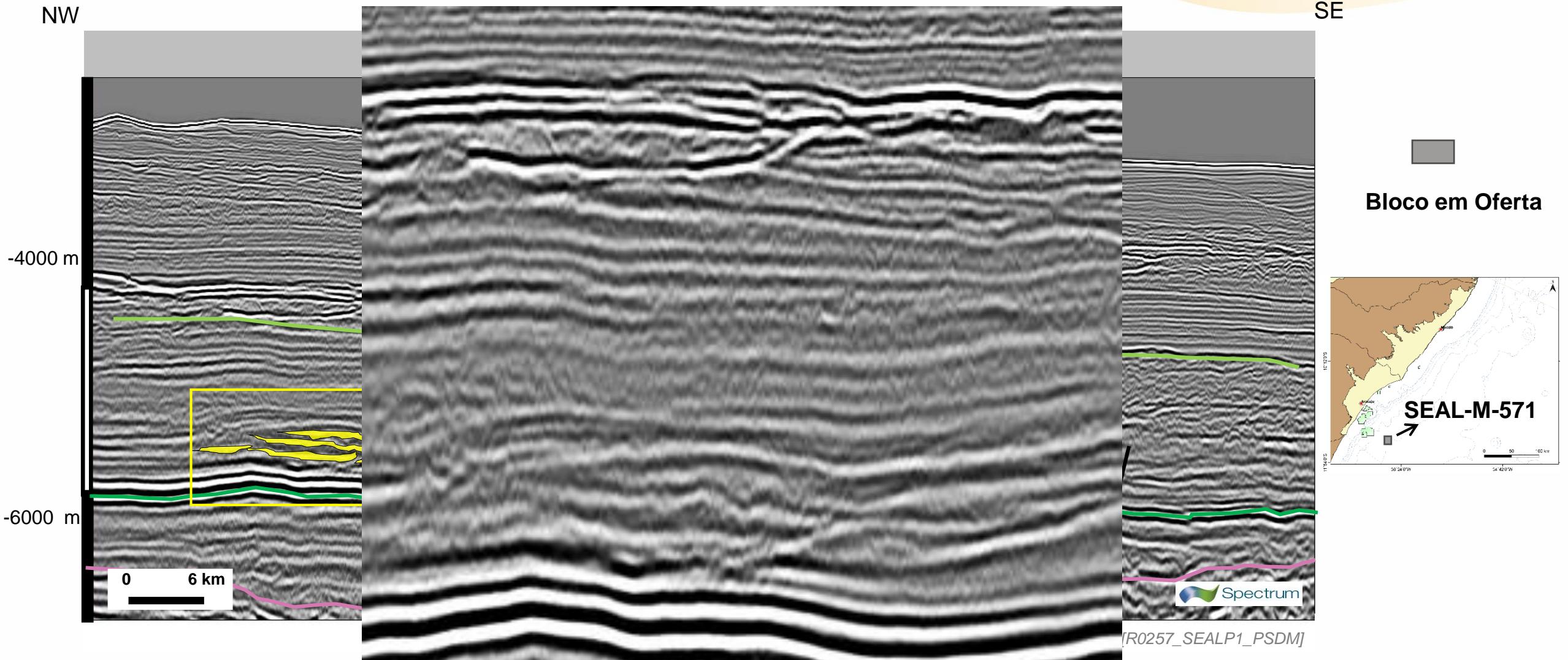
Oportunidade Exploratória

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp

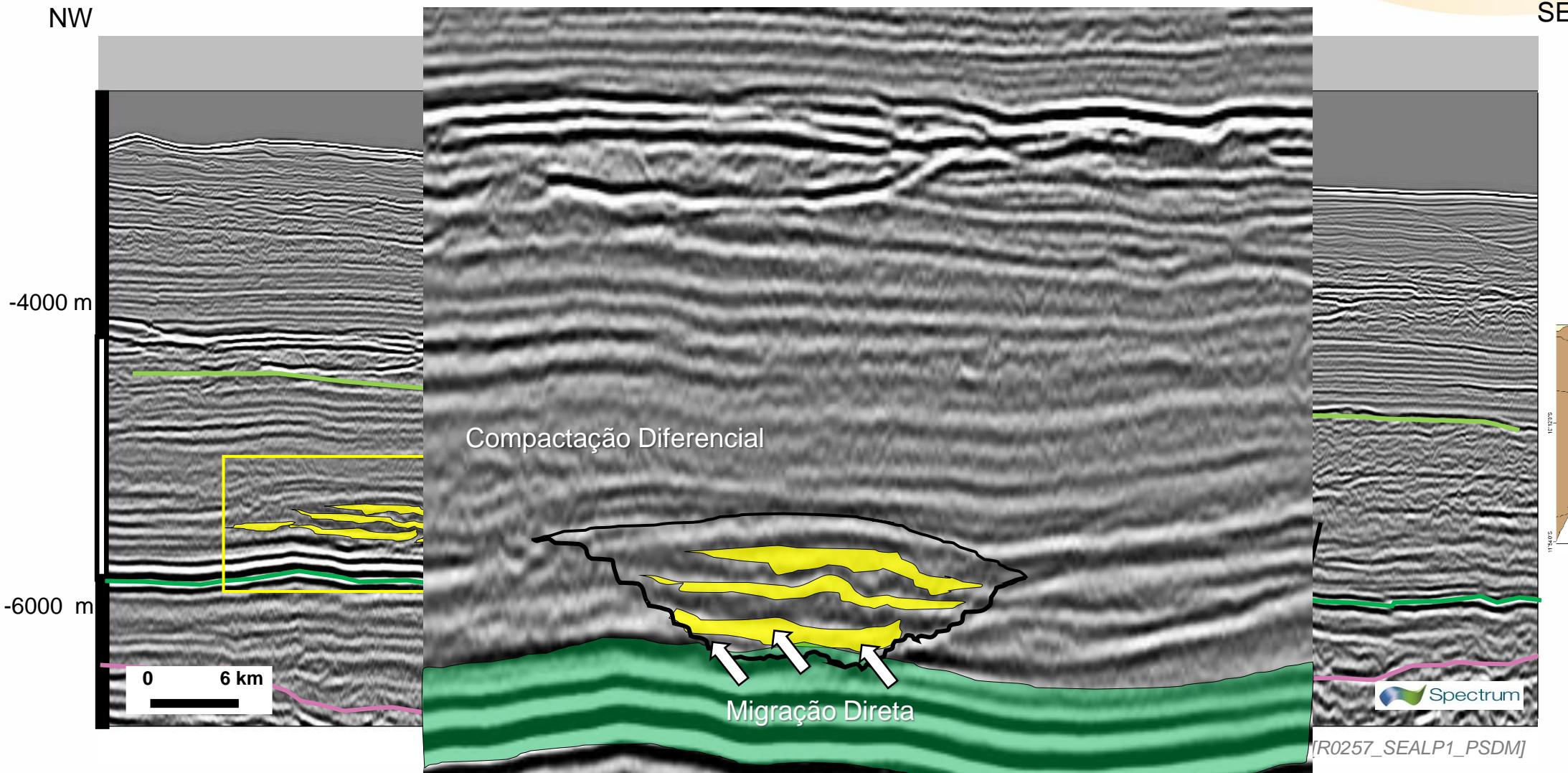


BACIA DE SERGIPE-ALAGOAS - OFFSHORE

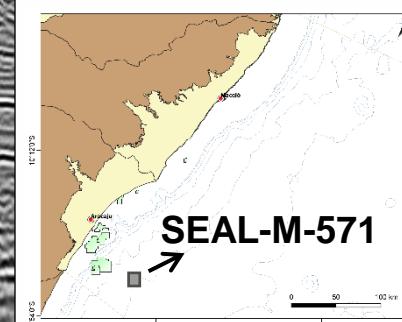
AREA EM OFERTA (Blocos Sul)

OFERTA
PERMANENTE
Brasil
CONCESSÕES DE PETRÓLEO E GÁS

anp



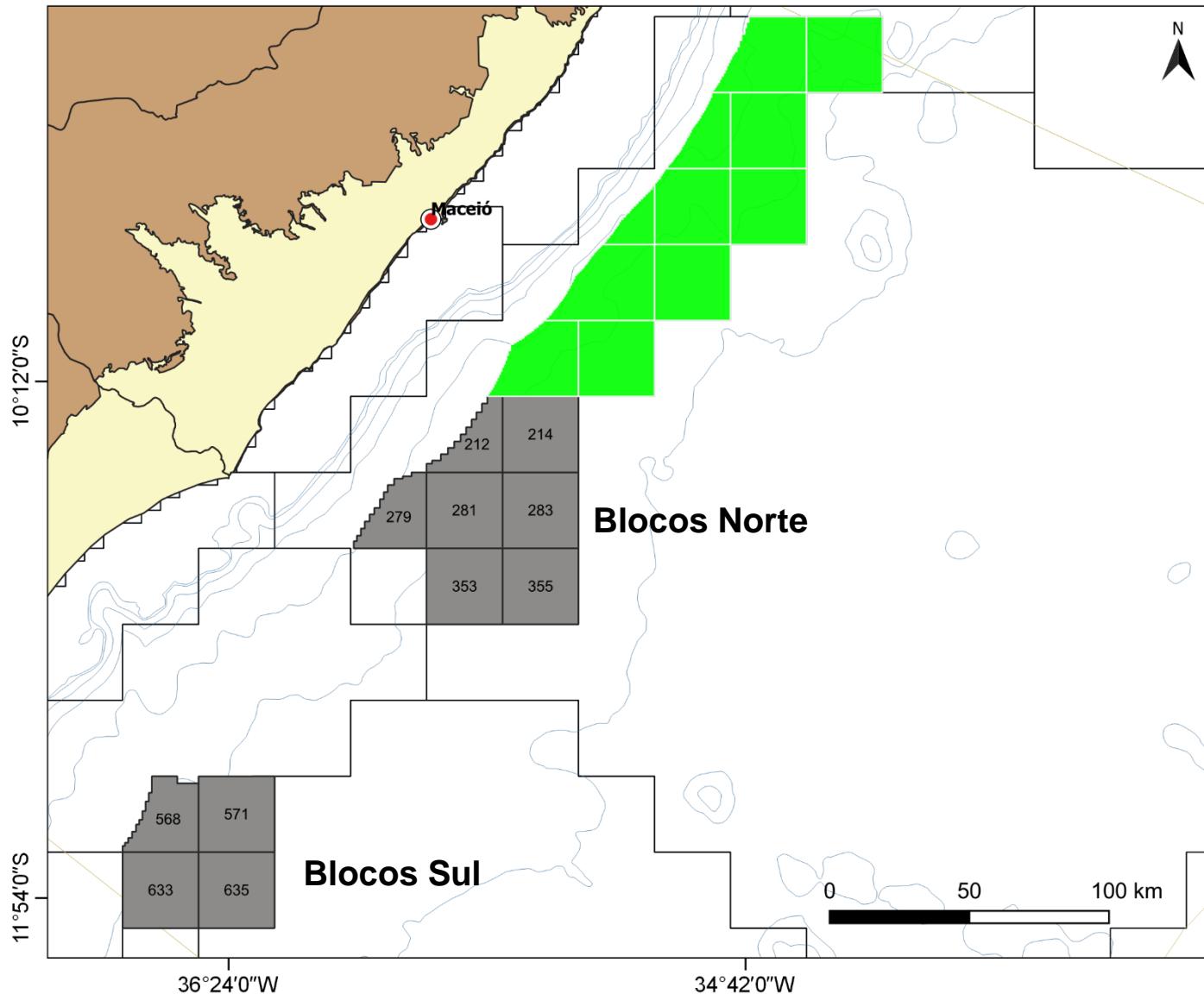
Bloco em Oferta



Gerador Marinho

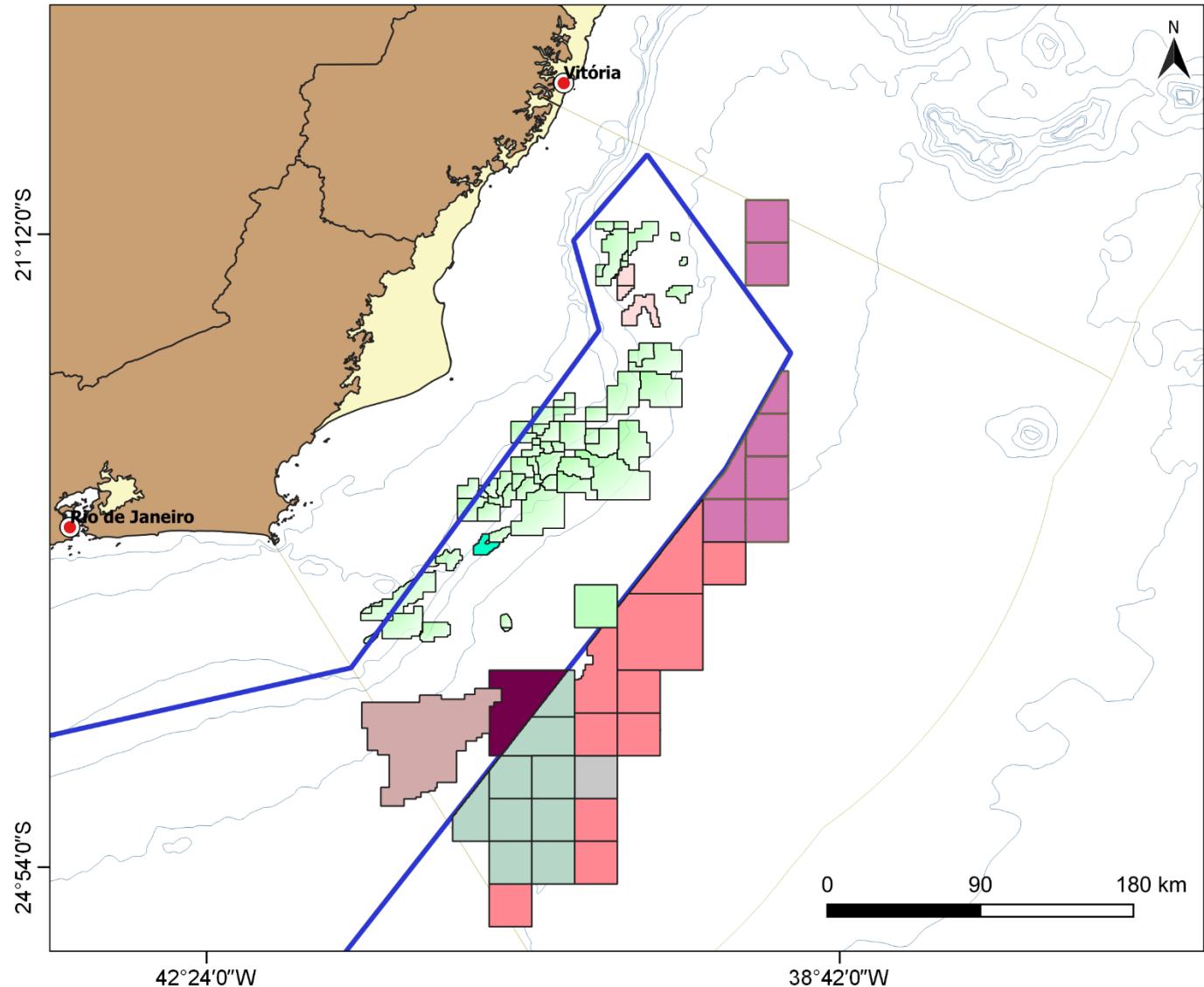
Turbiditos

BACIA DE SERGIPE-ALAGOAS - OFFSHORE

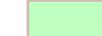


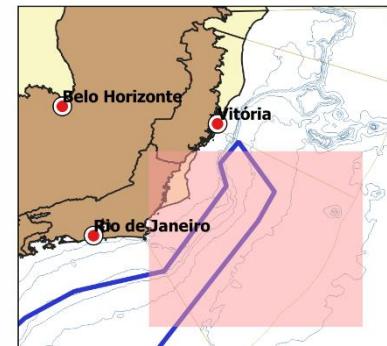
11 Blocos em Oferta

BACIA DE CAMPOS

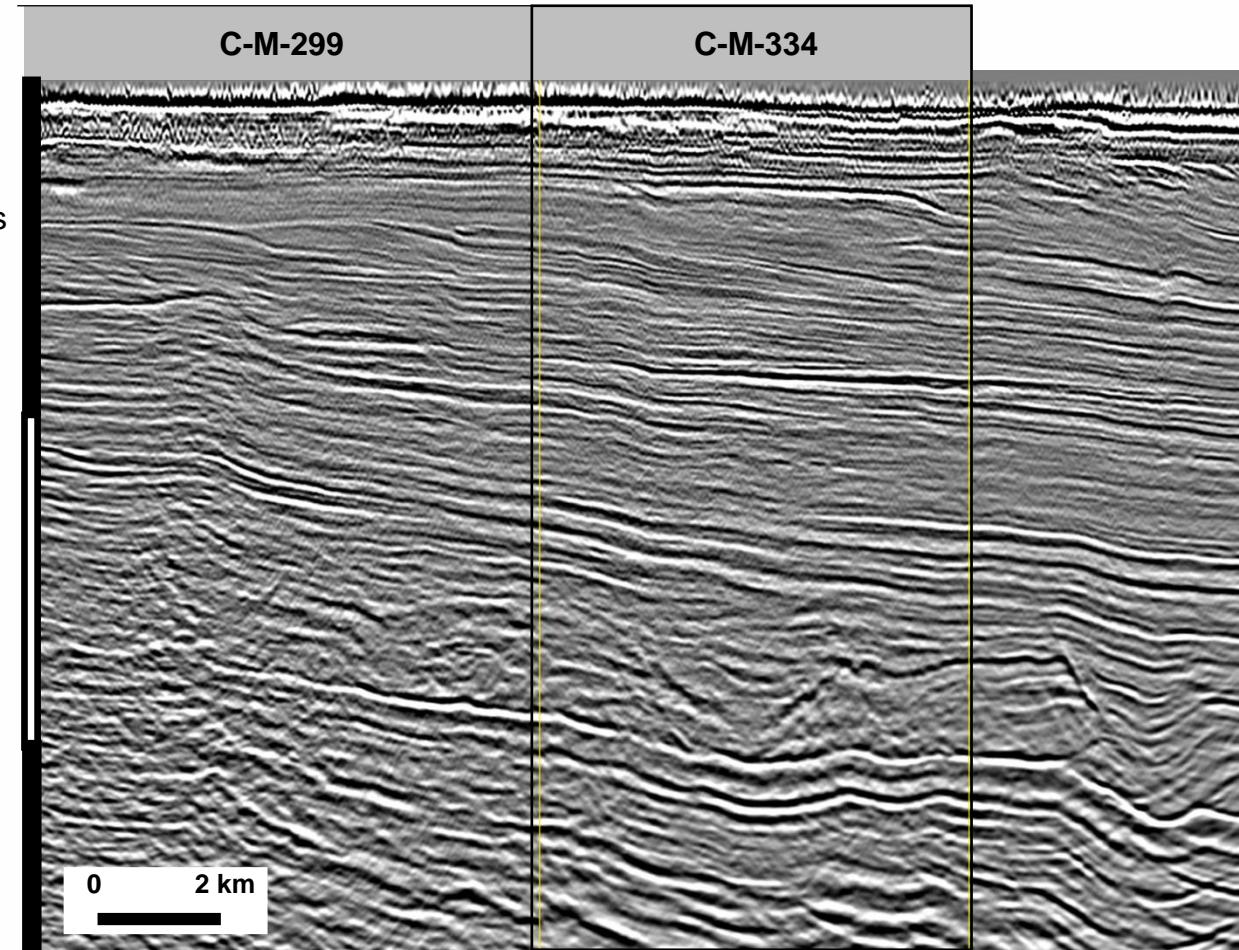


Blocos em concessão

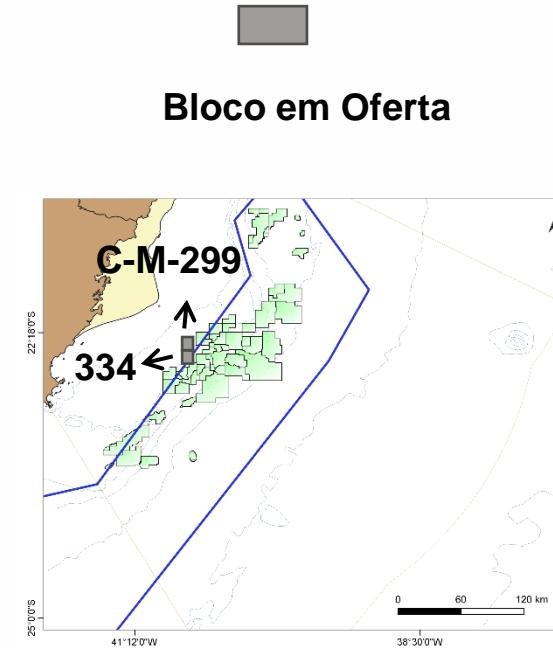
- | | | | |
|---|----------------------------|---|------------|
|  | R6 |  | Partilha 3 |
|  | R7 |  | Partilha 4 |
|  | R14 |  | Partilha 5 |
|  | R15 | | |
|  | R16 | | |
|  | 2º Ciclo Oferta Permanente | | |
|  | Campos em Produção | | |



BACIA DE CAMPOS

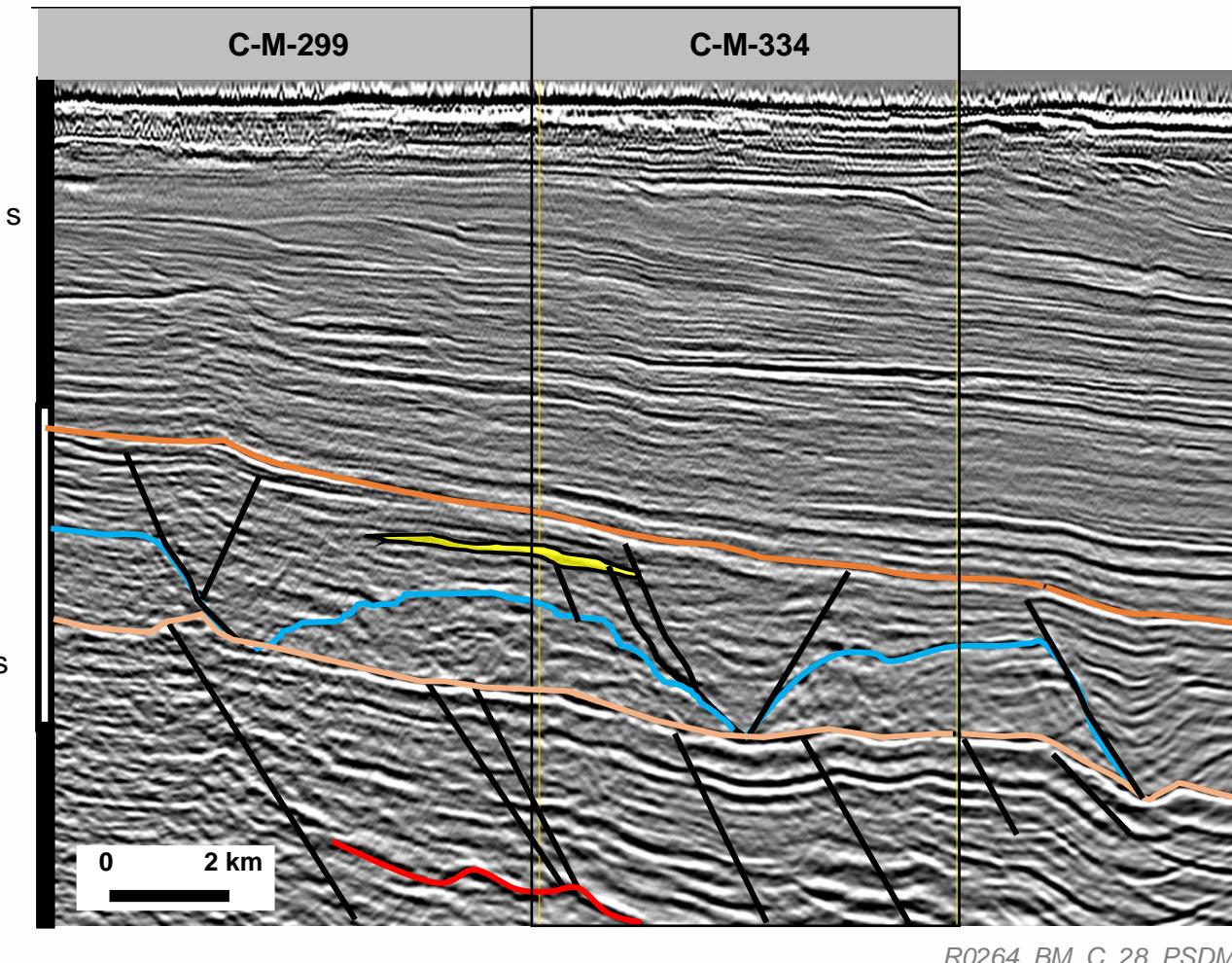


R0264_BM_C_28_PSDM

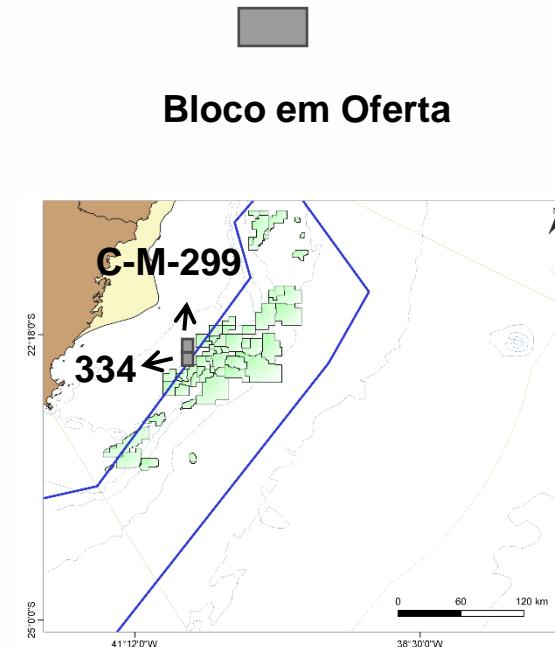


Bloco em Oferta

BACIA DE CAMPOS

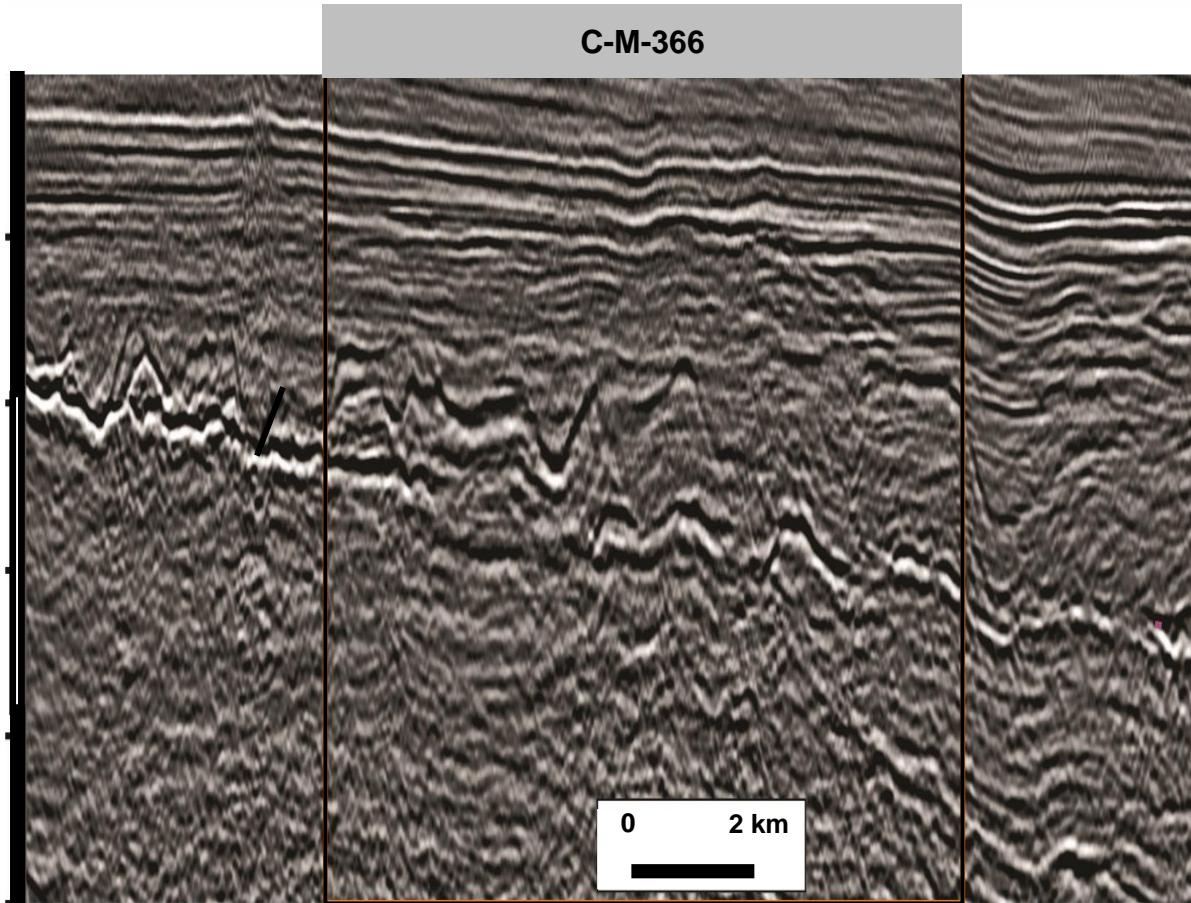


- Topo do Oligocene Inf.
- Topo da Fm Carapebus (Enchova)
- Topo da Fm Quissama
- Topo do Sal Equivalente
- Embasamento

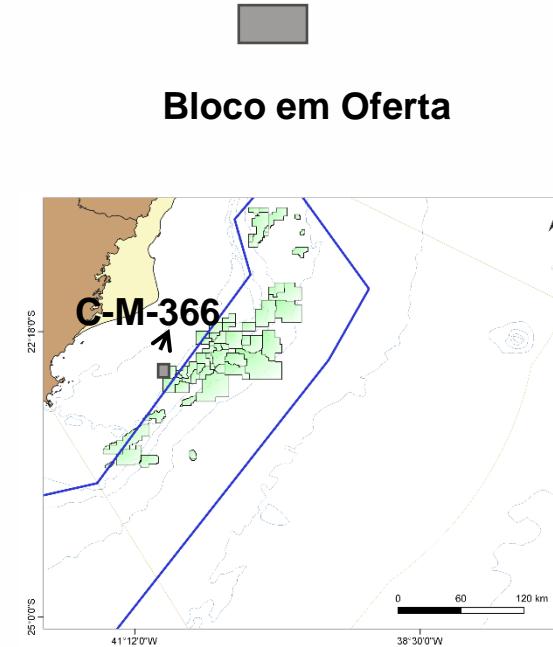


Arenito da Fm. Carapebus e
Carbonato da Fm. Quissamã

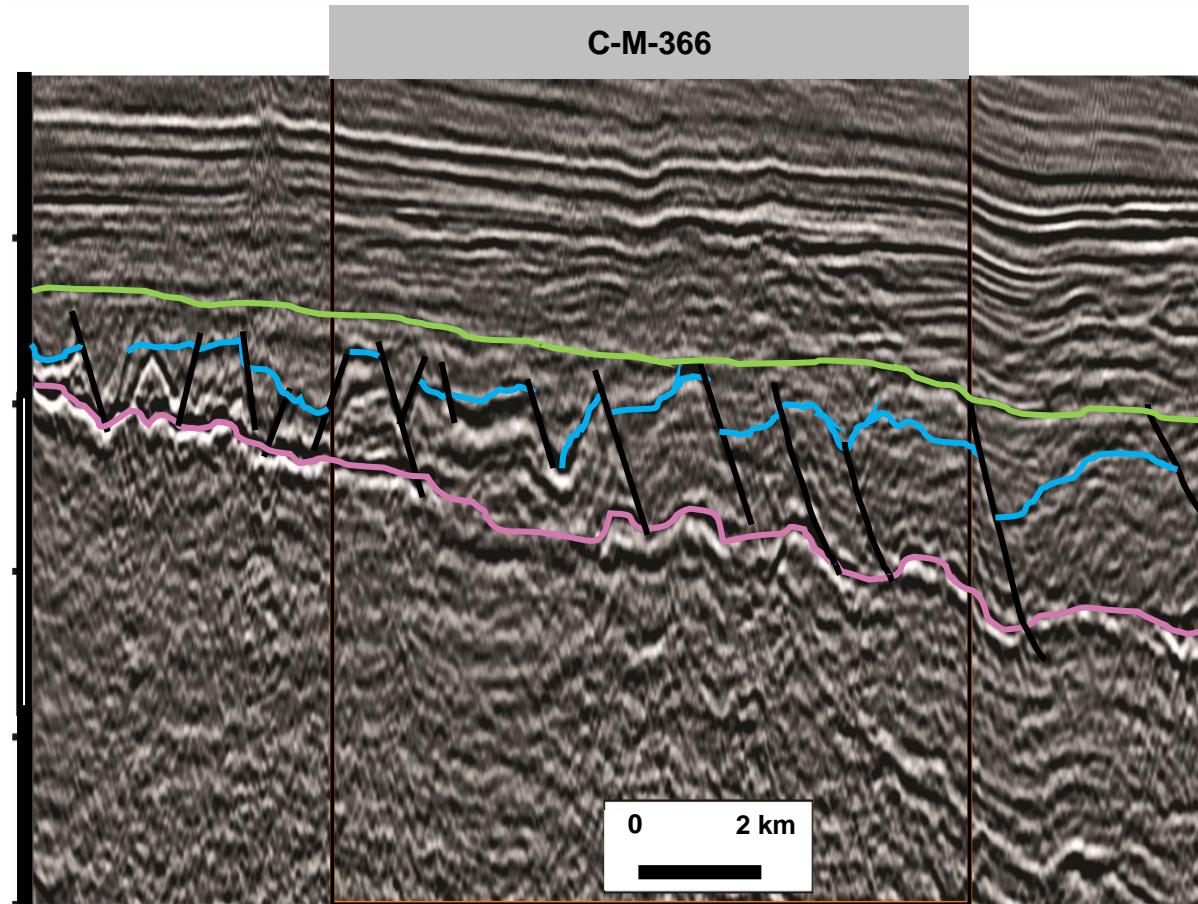
BACIA DE CAMPOS



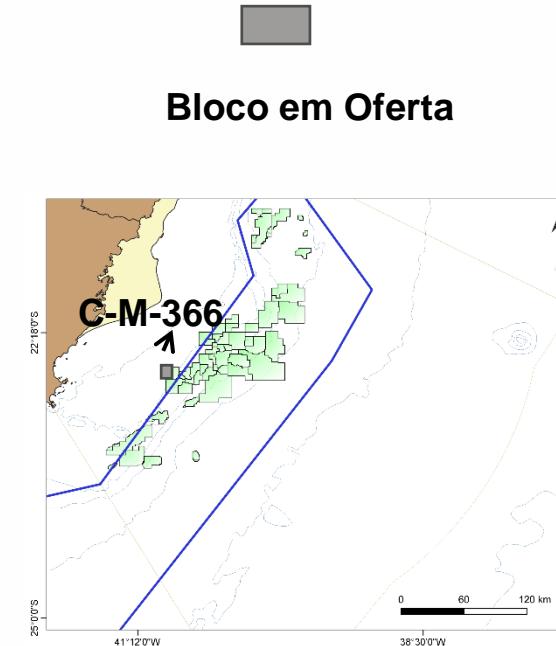
R0264_BMC-26-27_PSDM.3 Survey (2001)



BACIA DE CAMPOS

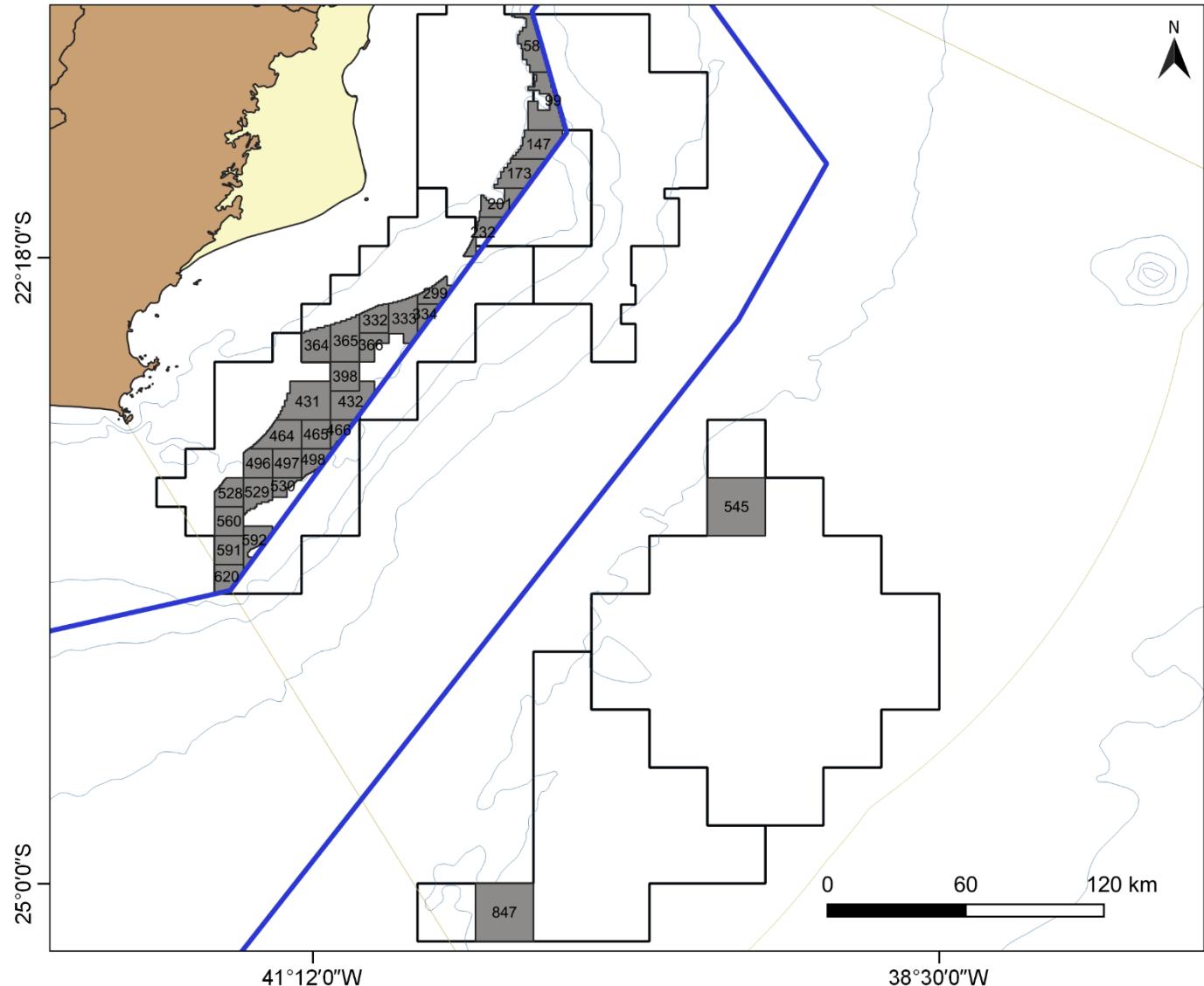


- Topo do Cretáceo
- Topo do Gr Macaé
- Base do Sal Equivalente



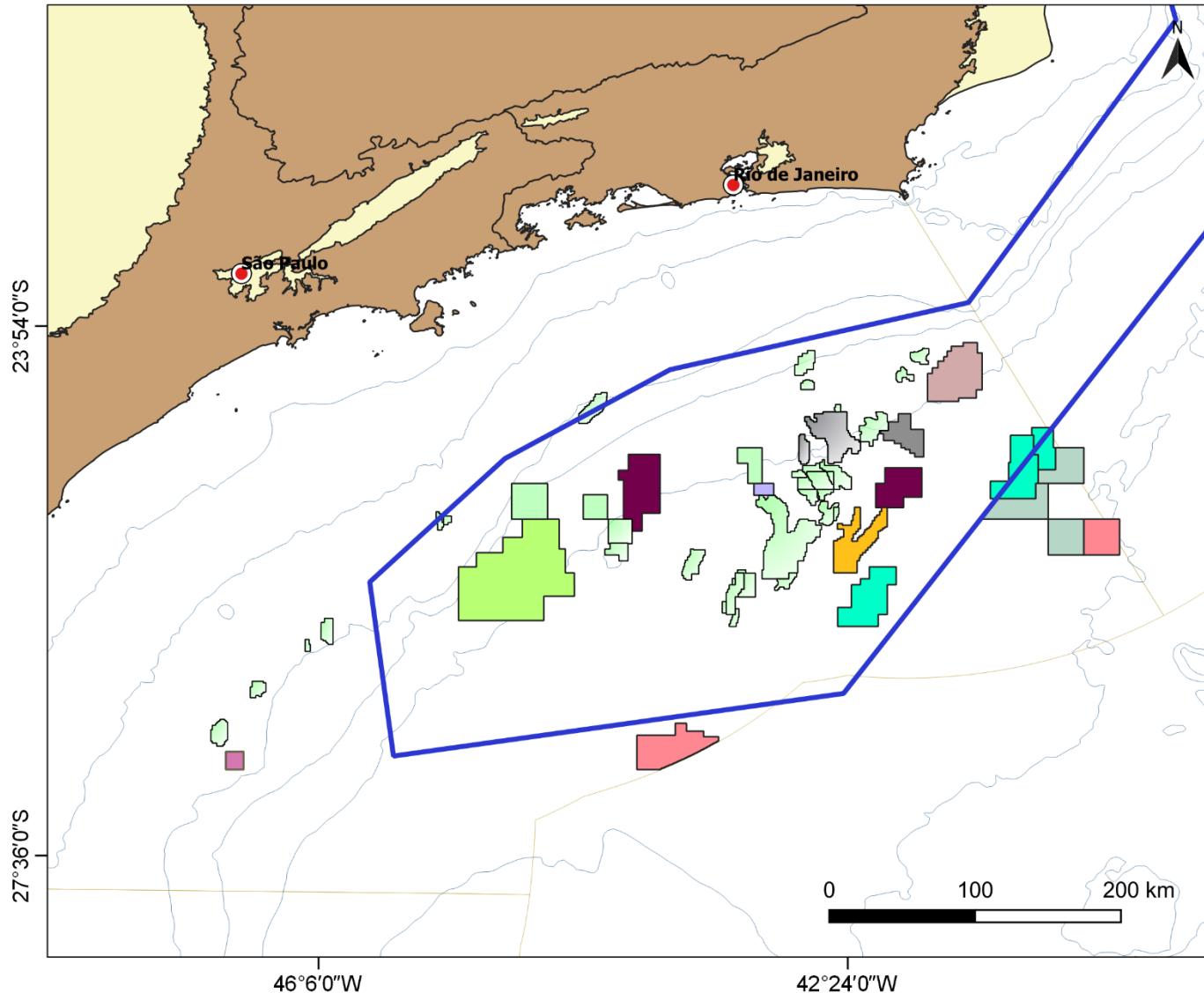
Arenito da Fm. Carapebus e
Carbonato da Fm. Quissamã
(Análogo campo de Badejo)

BACIA DE CAMPOS



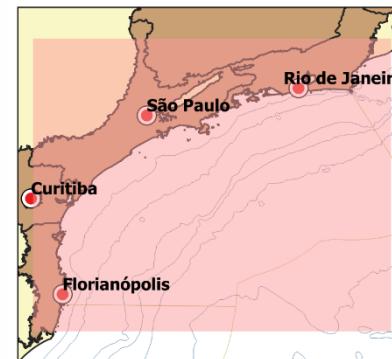
31 Blocos em Oferta

BACIA DE SANTOS

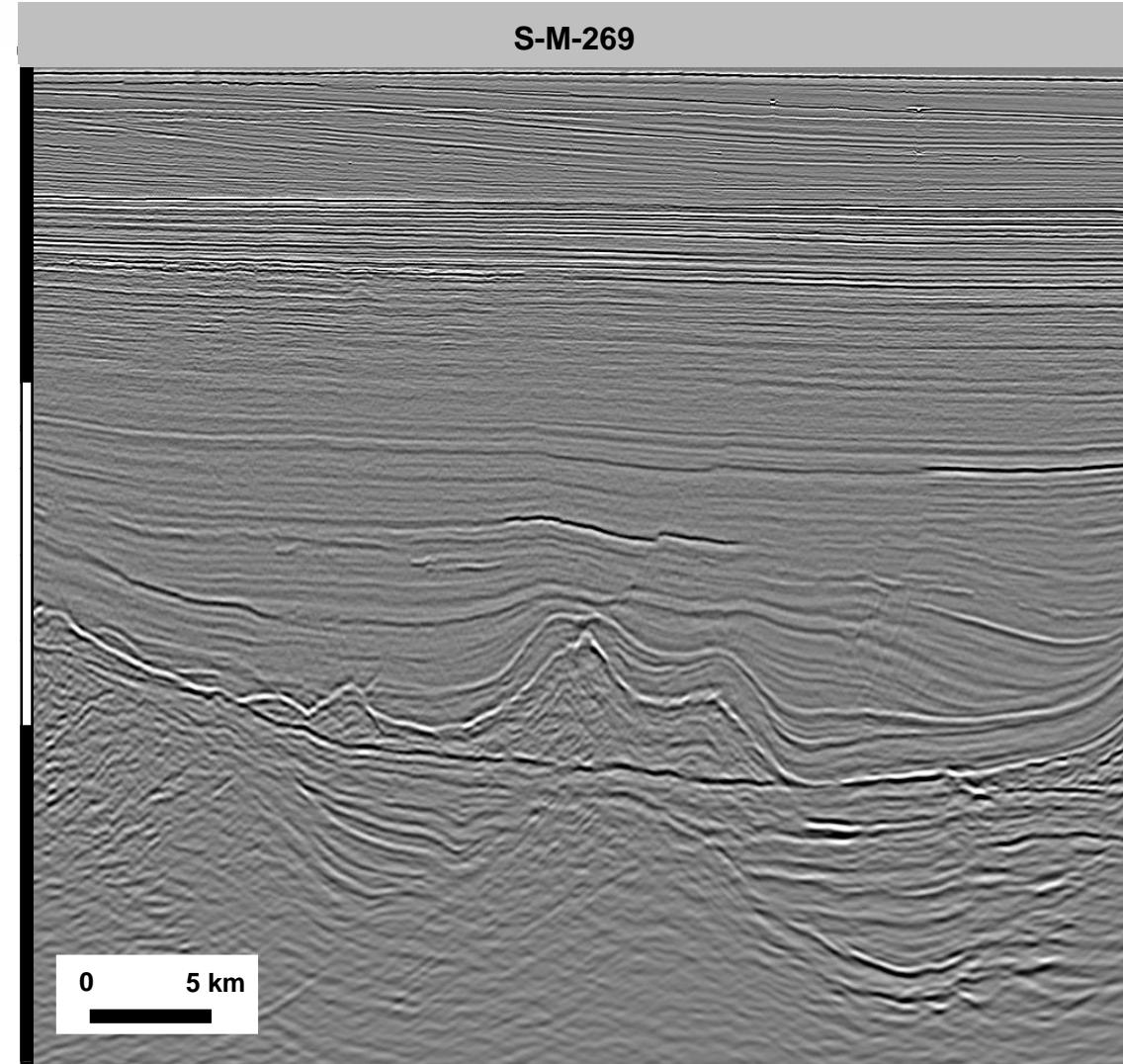


Blocos em concessão

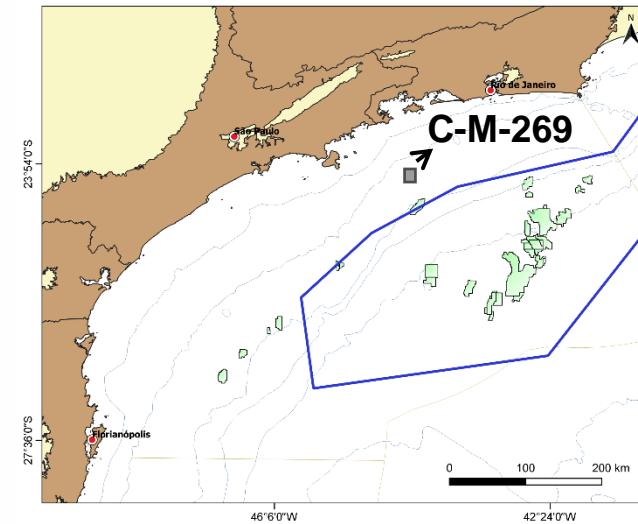
- | | | | |
|--------------------|-------|--|------------|
| | R3 | | Partilha 1 |
| | R7 | | Partilha 2 |
| | R14 | | Partilha 3 |
| | R15 | | Partilha 4 |
| | R16 | | Partilha 5 |
| | Lveco | | Partilha 6 |
| Campos em Produção | | | |



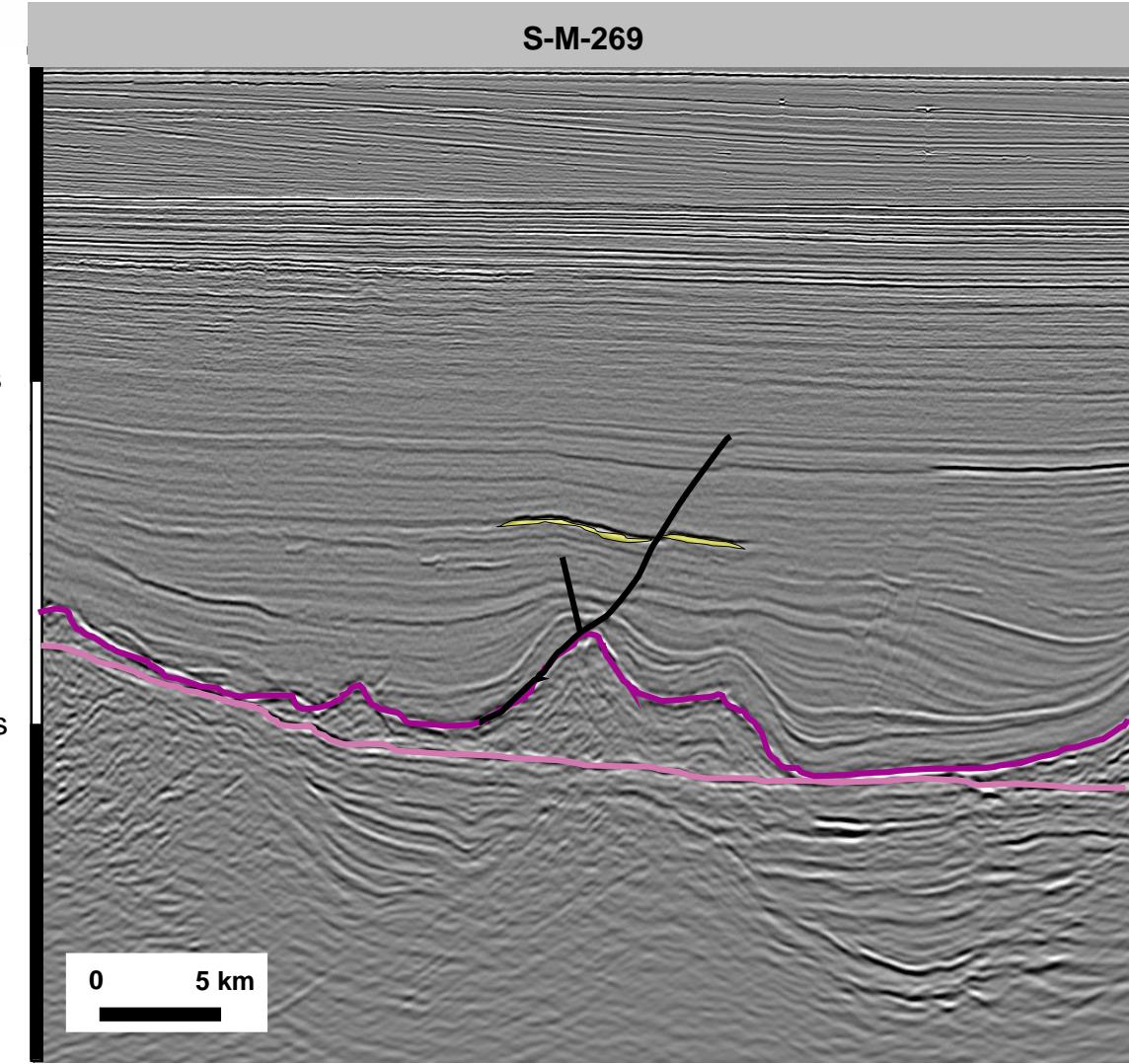
BACIA DE SANTOS



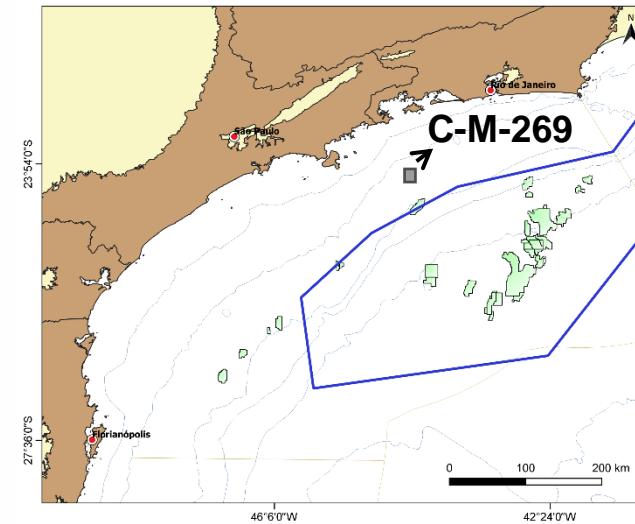
Bloco em Oferta



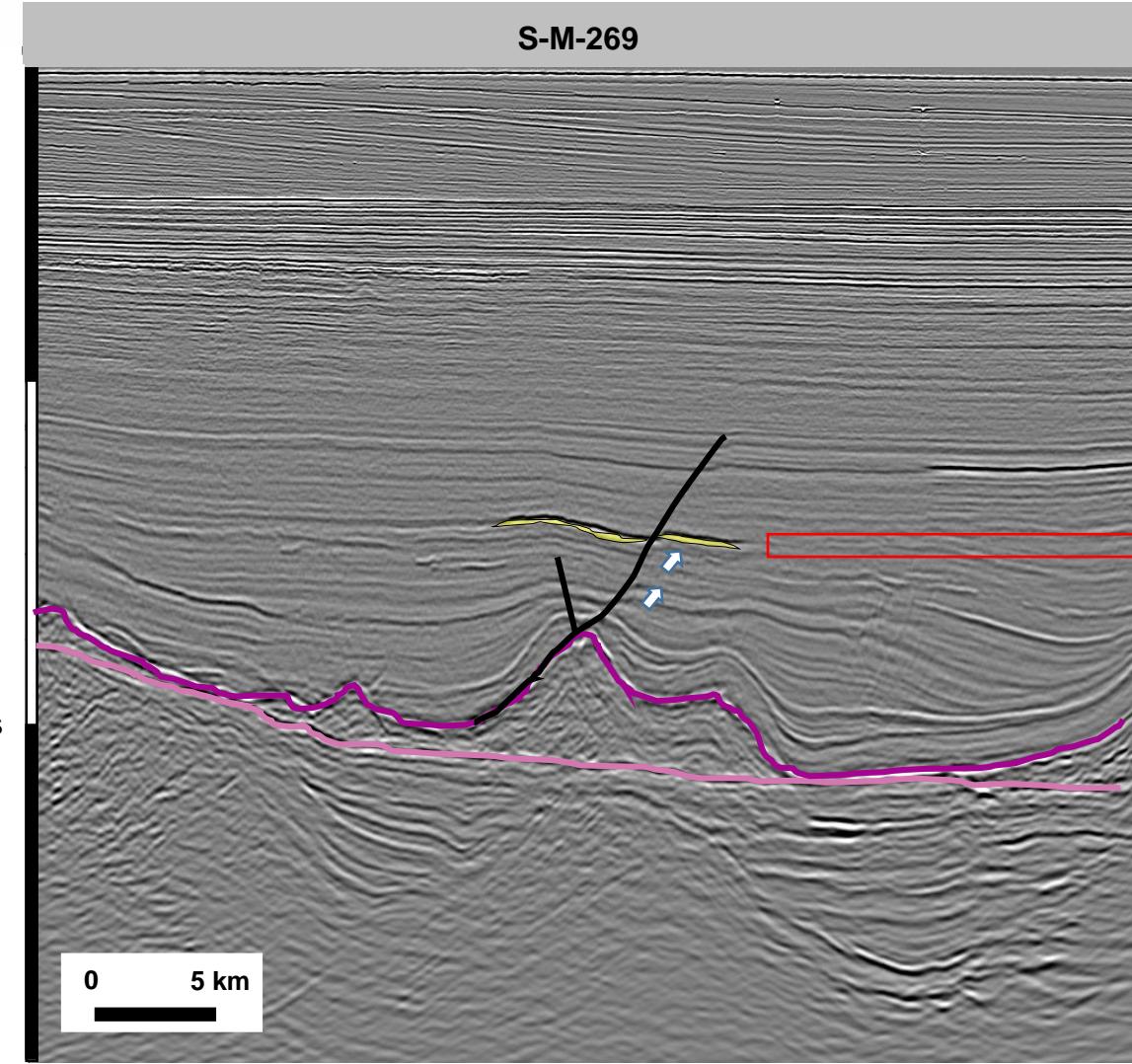
BACIA DE SANTOS



Bloco em Oferta



BACIA DE SANTOS

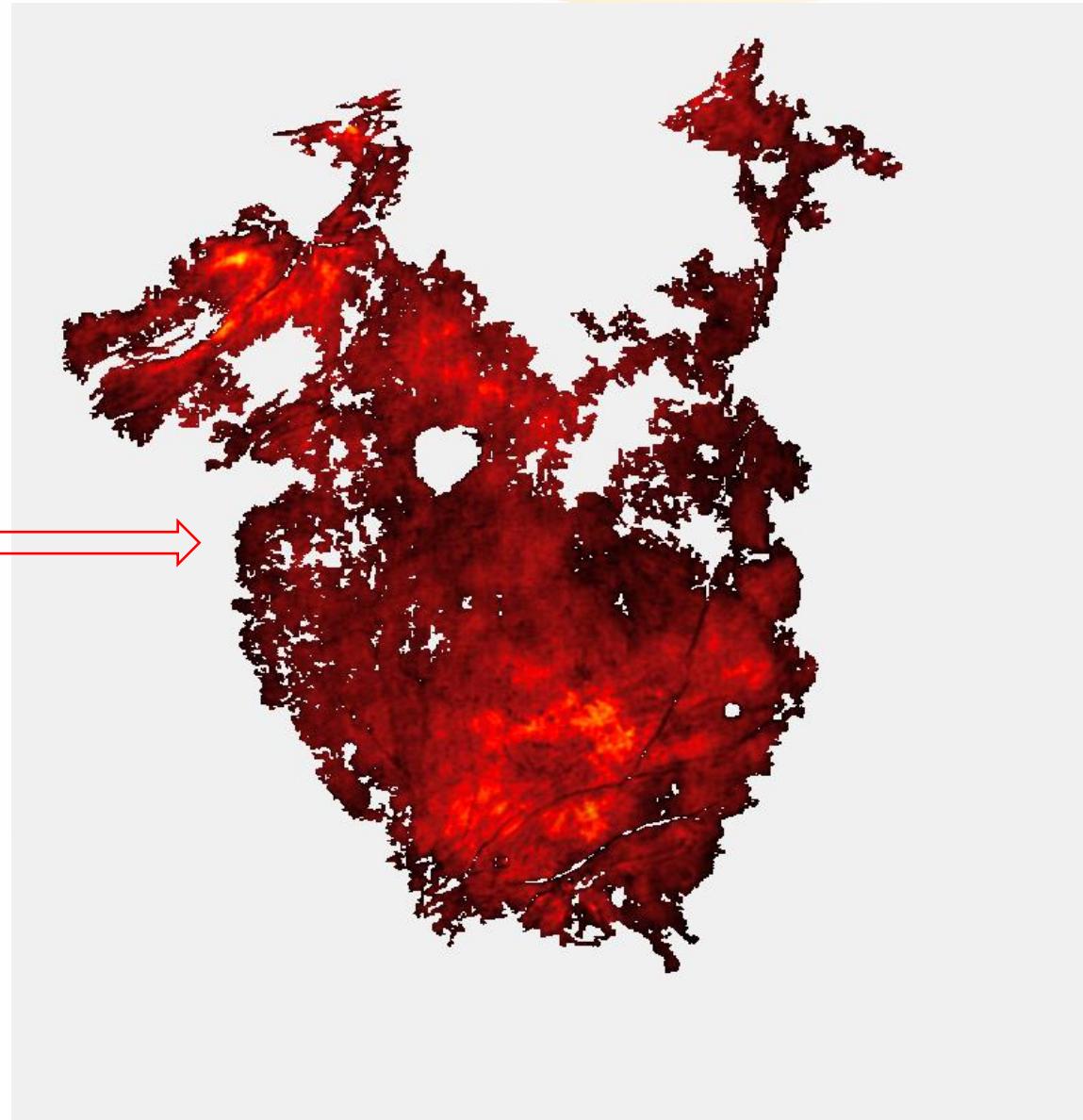


— Topo do Sal

— Base do Sal

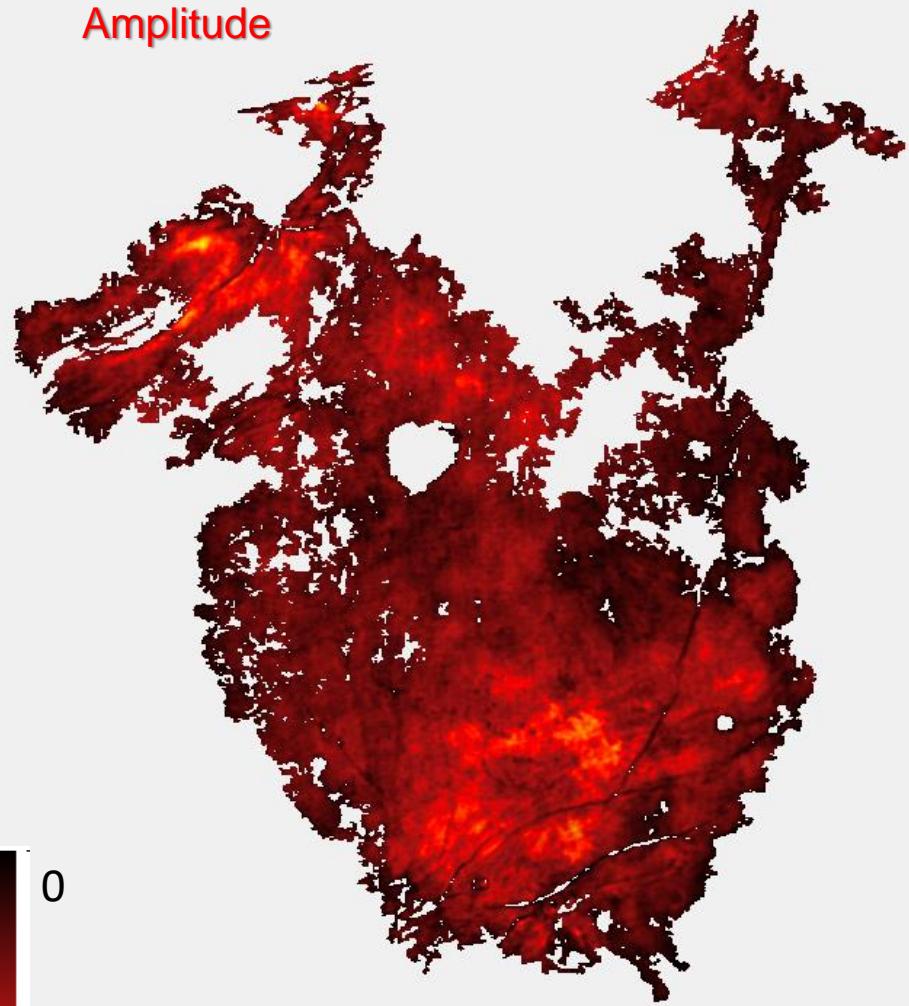


Oportunidade Exploratória



BACIA DE SANTOS

Amplitude

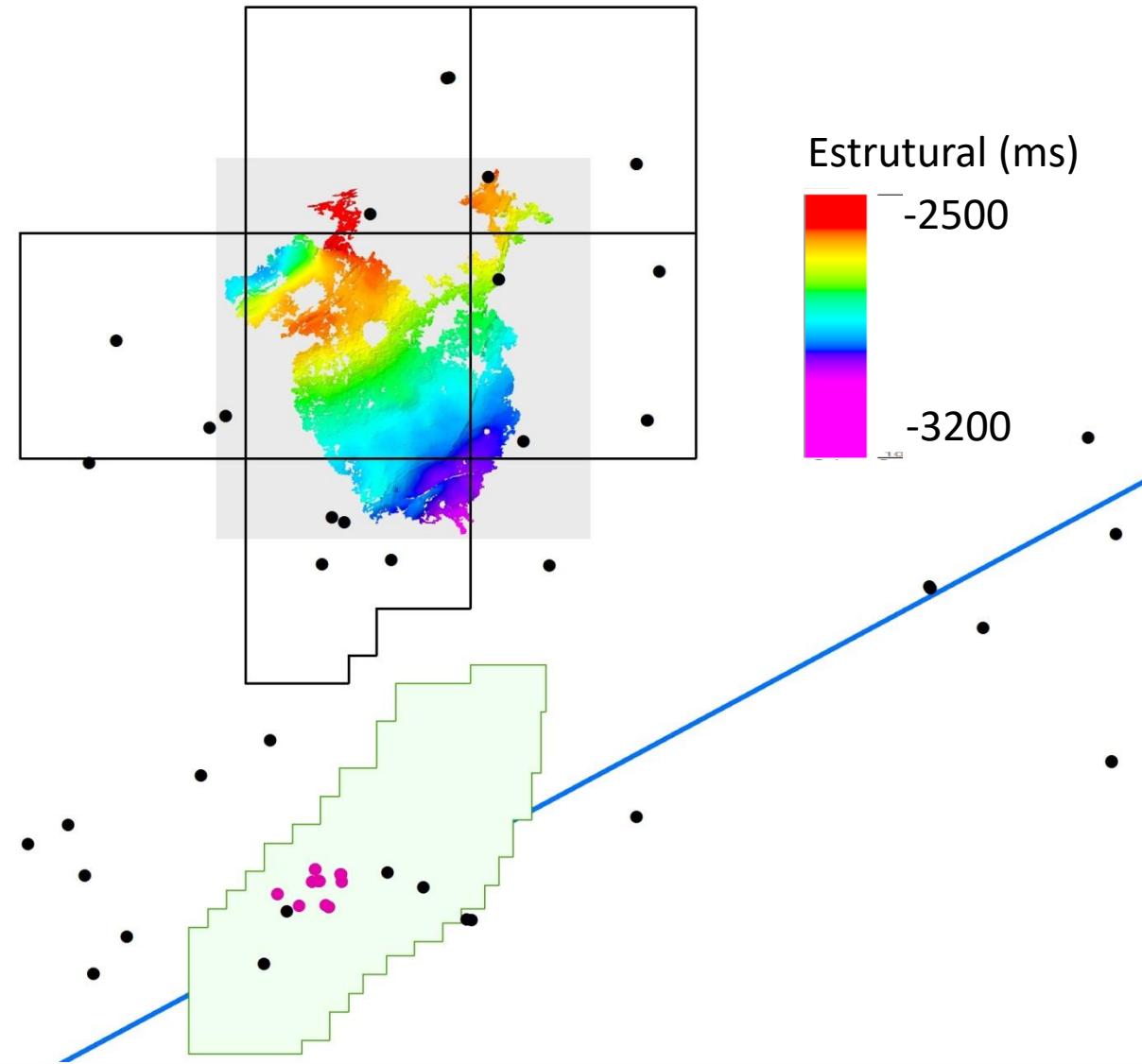
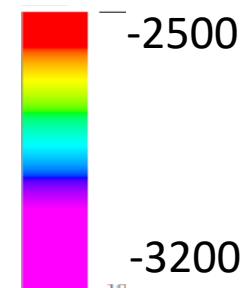


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Max Neg.

Color

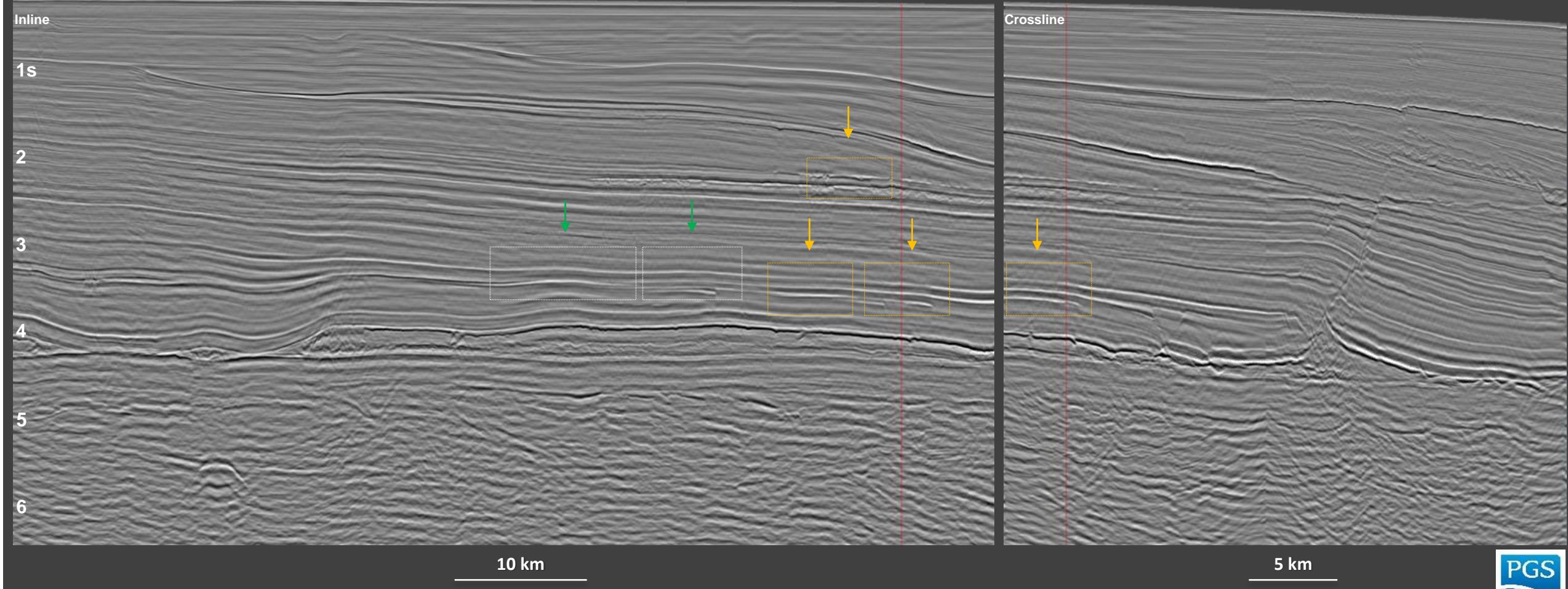
Estrutural (ms)



CAMPO DE CARAVELA

OPORTUNIDADES

Santos West - Relative Acoustic Impedance



BACIA DE SANTOS

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

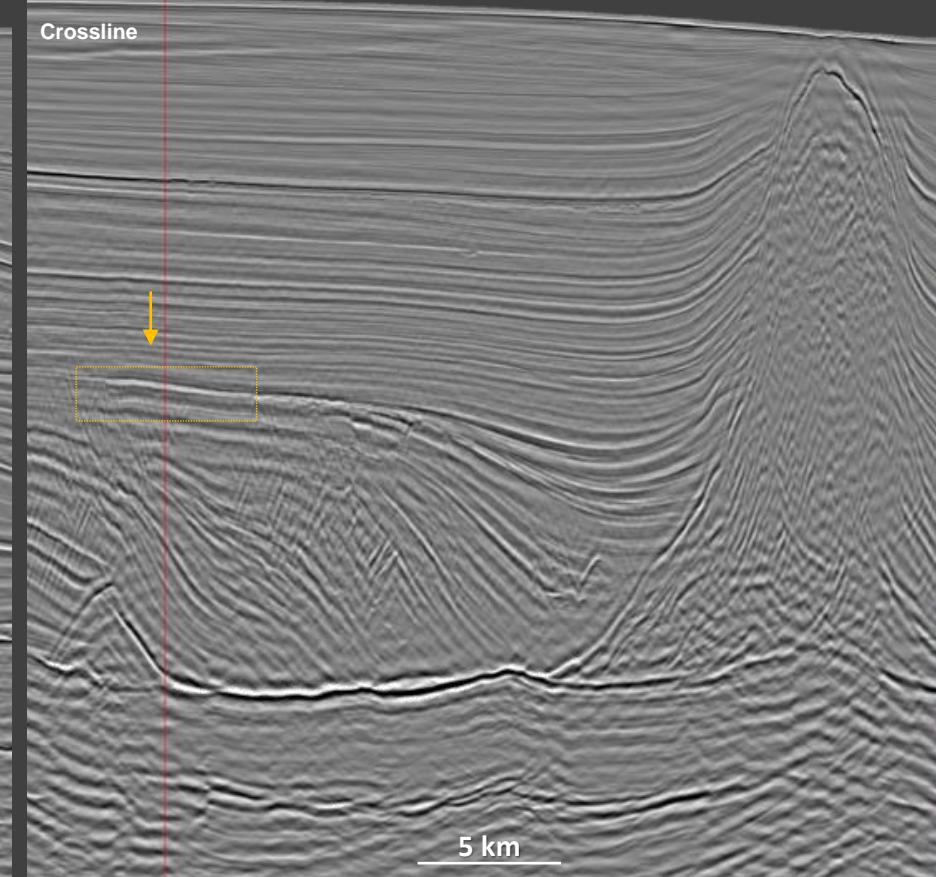
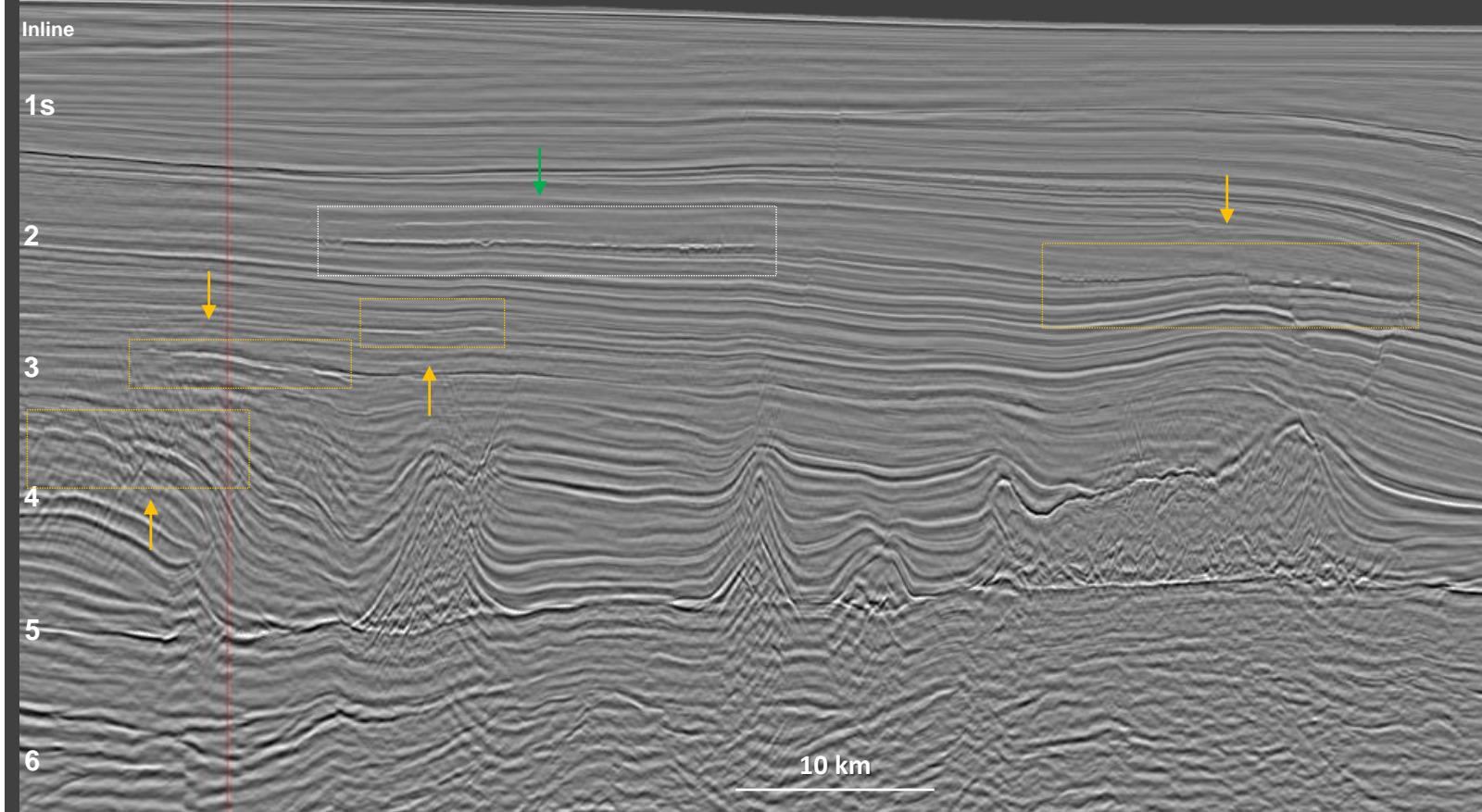
 anp

OPORTUNIDADES

CAMPO DE BAUNA

OPORTUNIDADES

Santos West - Relative Acoustic Impedance

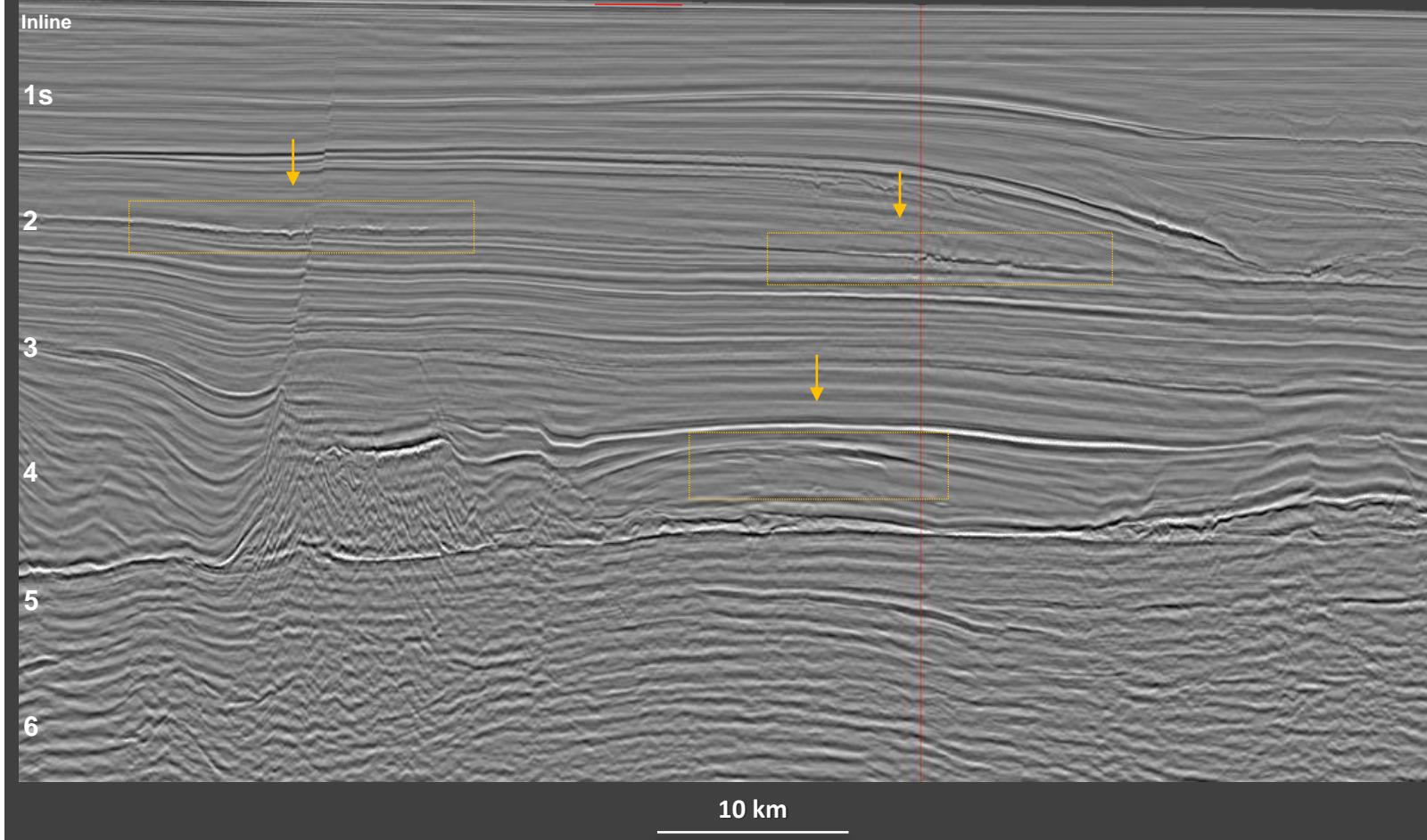


BACIA DE SANTOS

OFERTA
PERMANENTE
Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

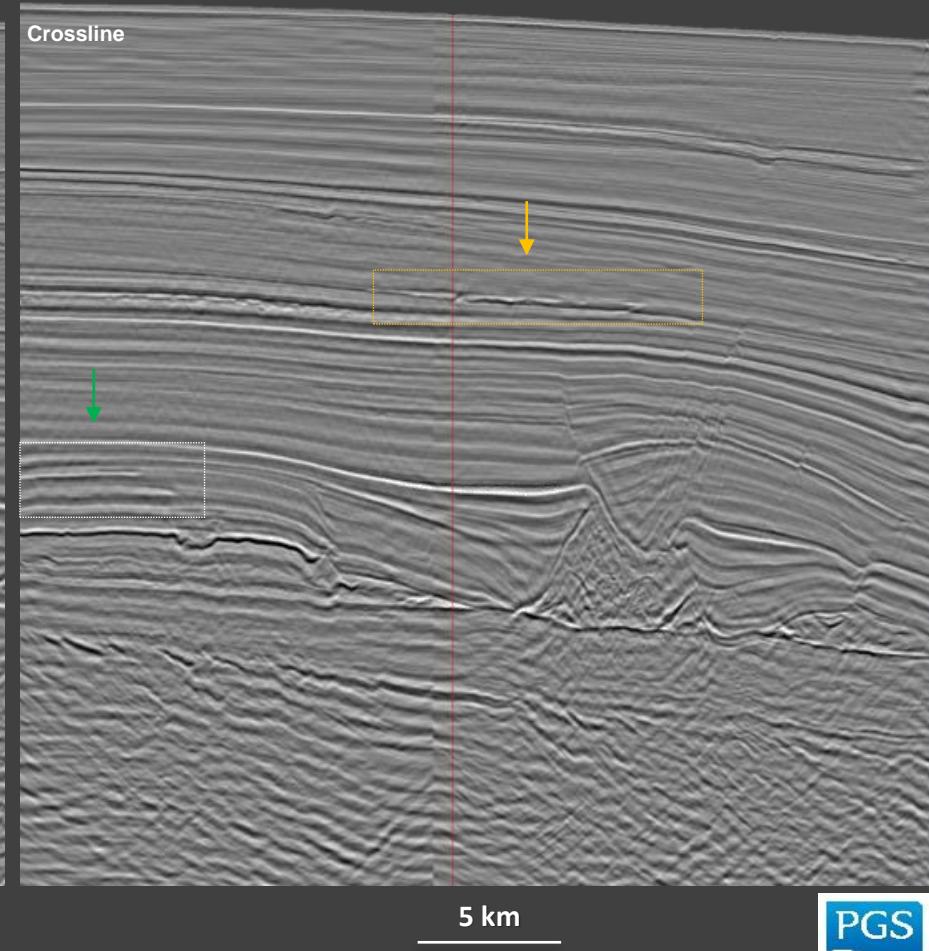
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OPORTUNIDADES



CARAVELA

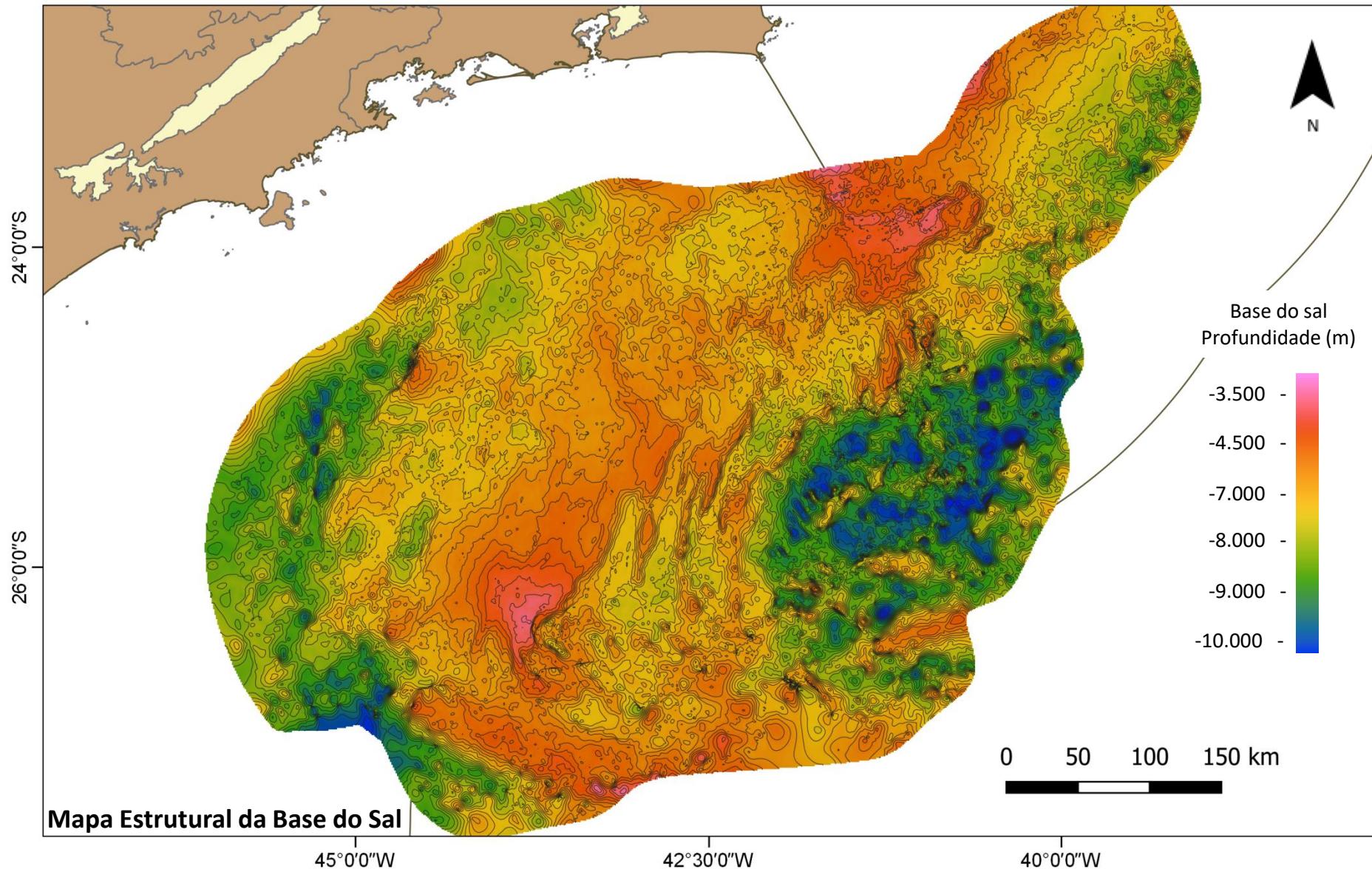
Santos West - Relative Acoustic Impedance



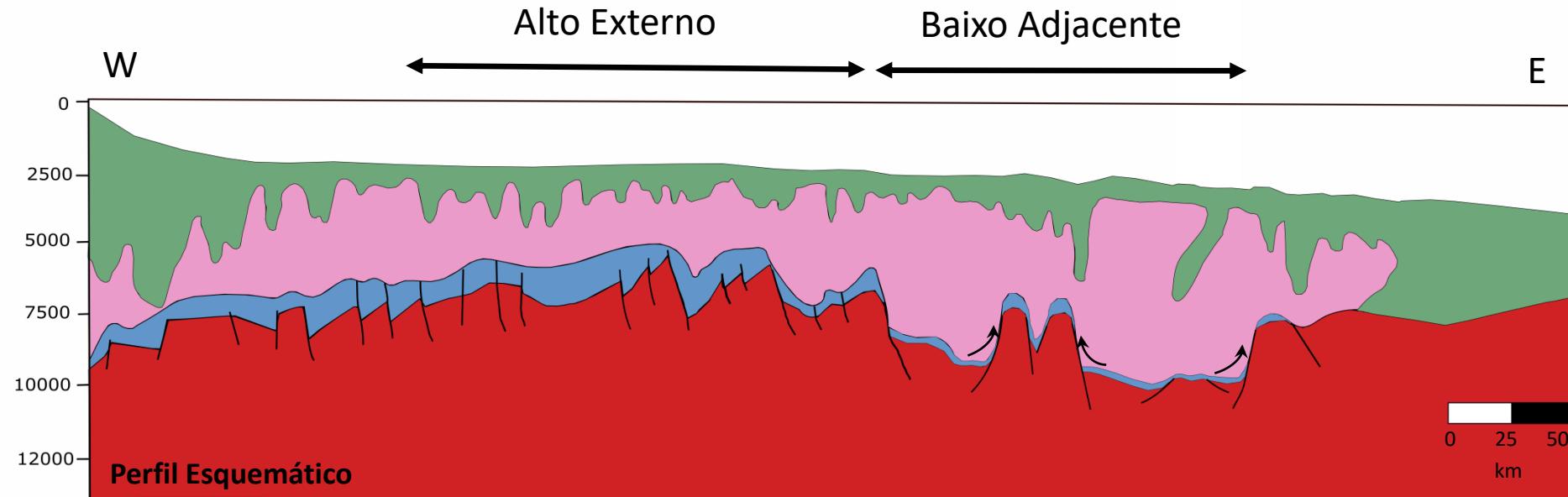
0268_Santos-W-1– Cortesia da PGS

 PGS

BACIA DE SANTOS



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Pós-sal

1

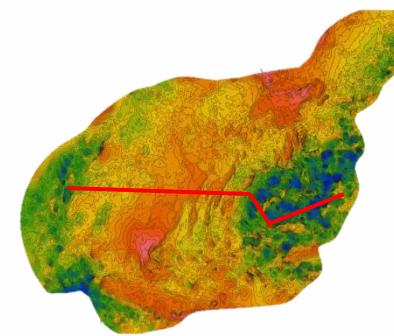
Pré-sal

1

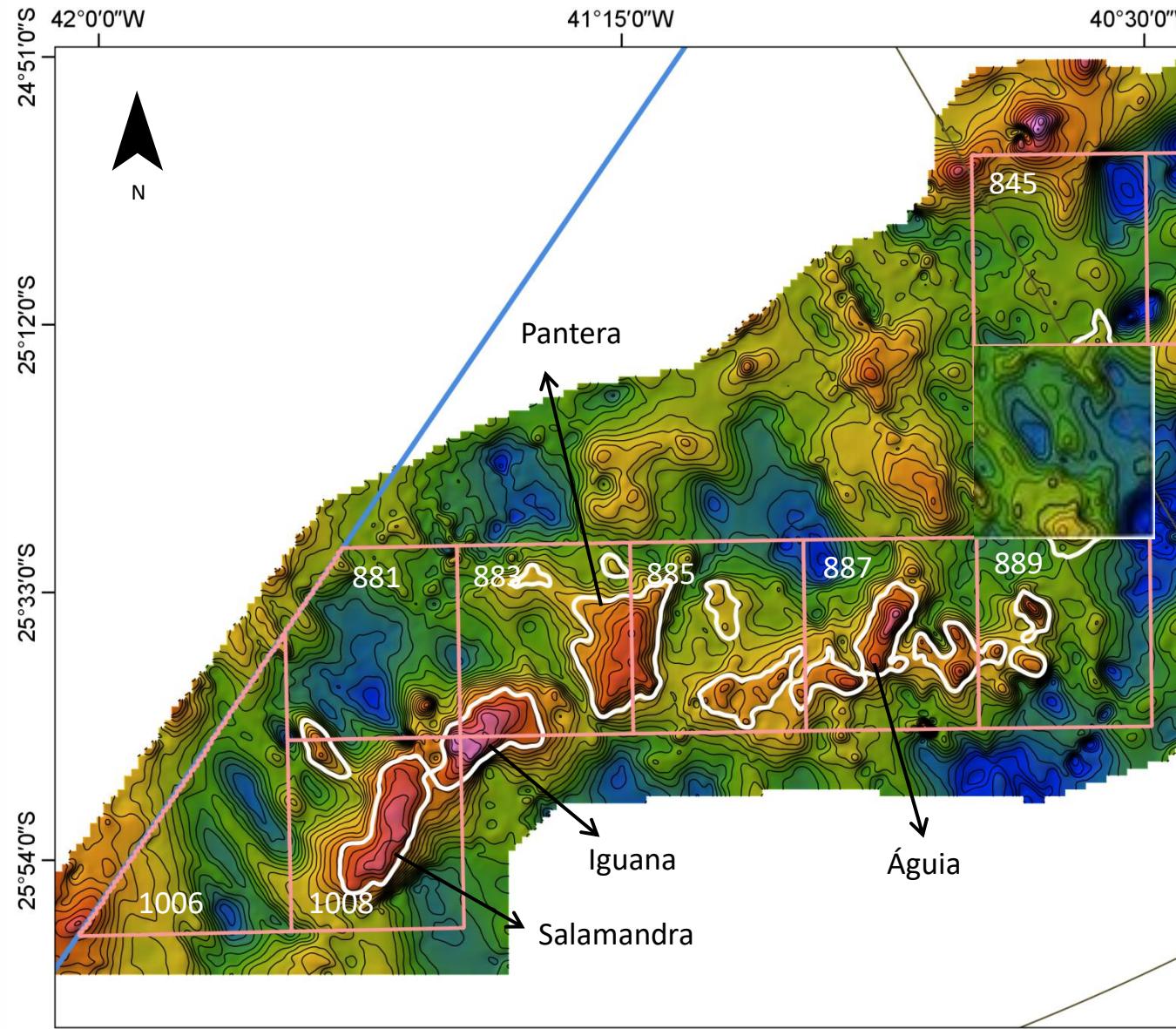
Evaporitos Aptianos

1

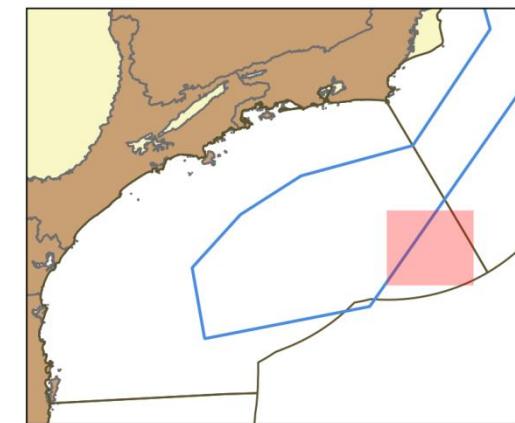
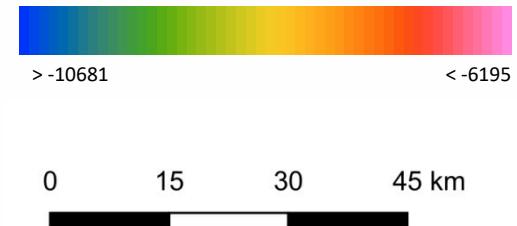
Embasamento Econômico



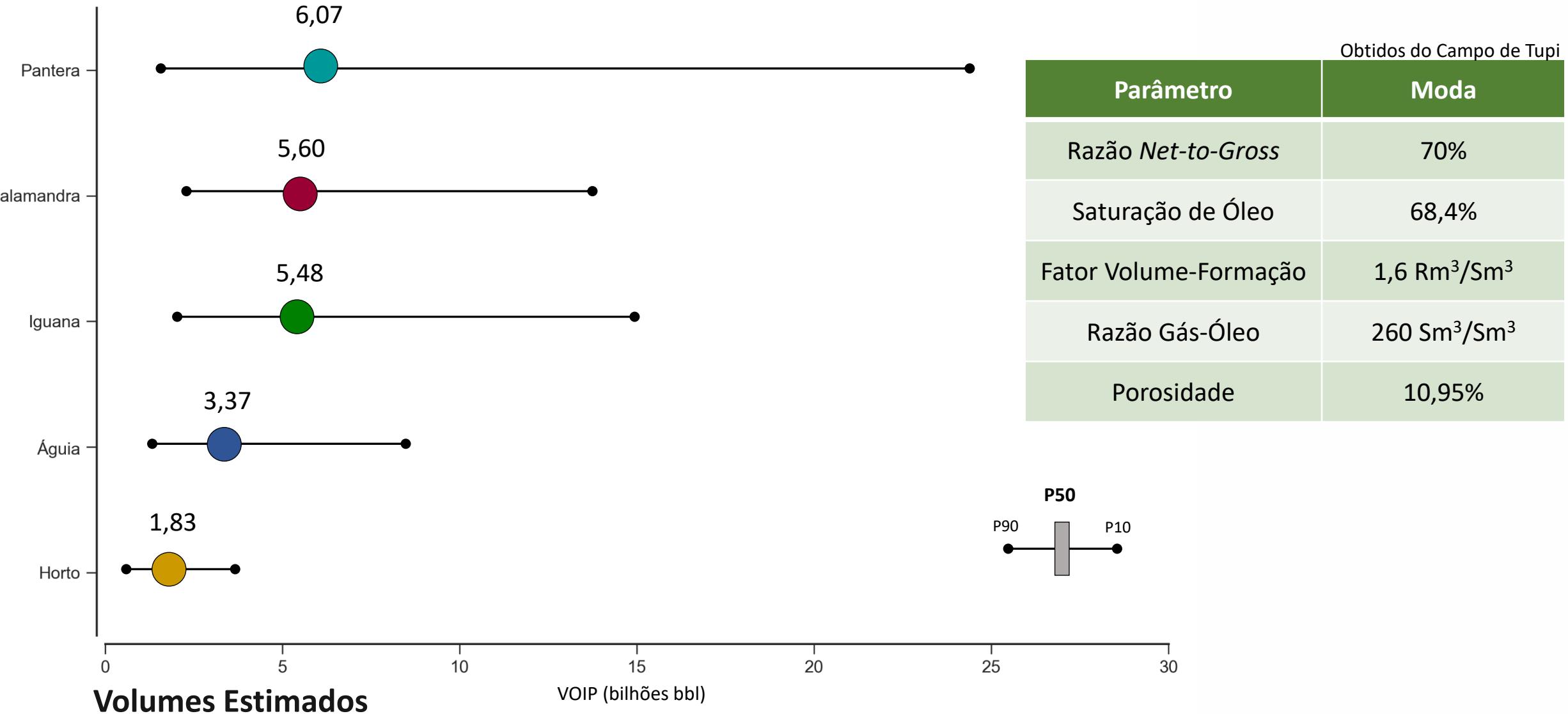
BACIA DE SANTOS



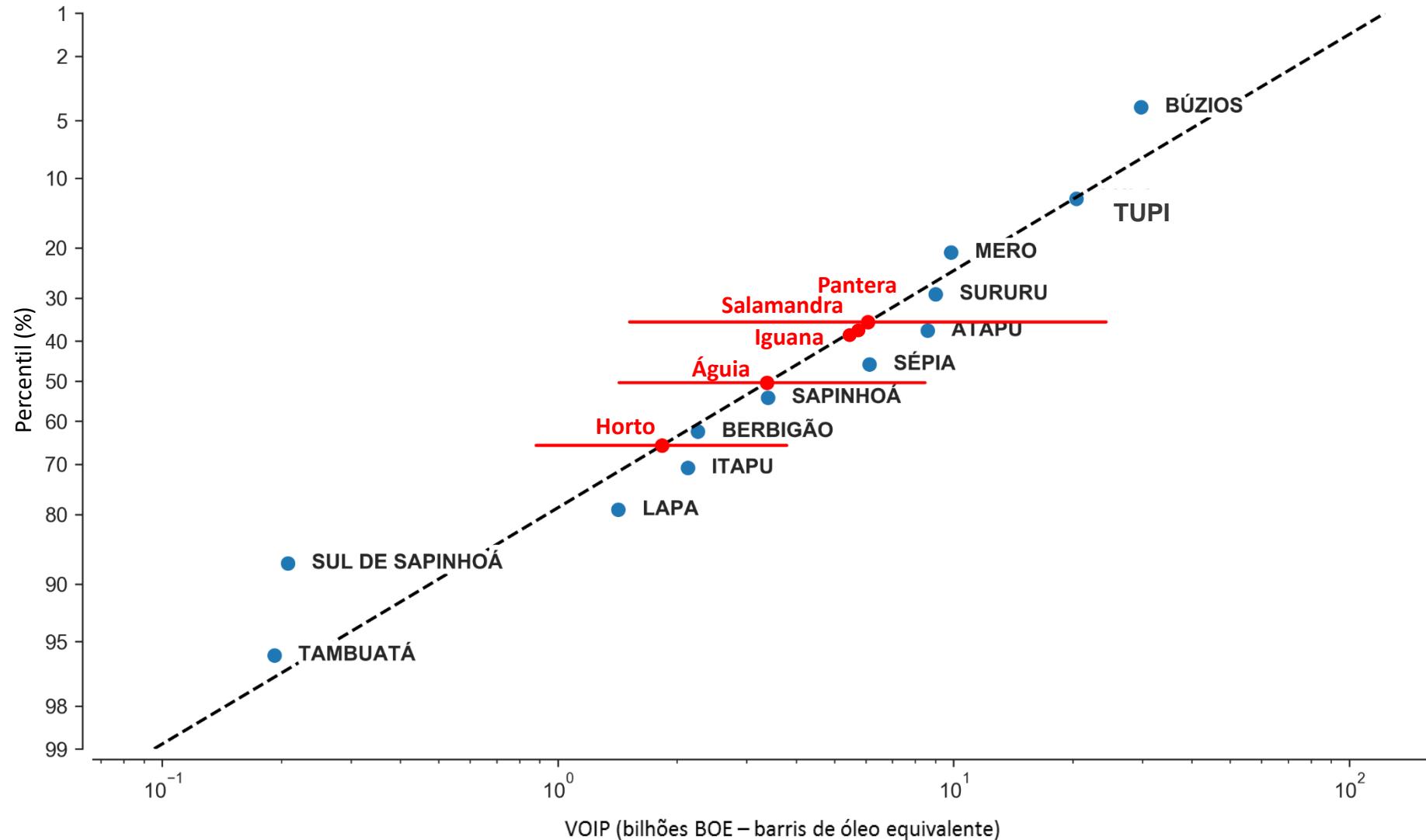
Mapa estrutural da Base do Sal em profundidade (m)



BACIA DE SANTOS



BACIA DE SANTOS



Nota: Gás livre convertido usando 169,9 m³/BOE

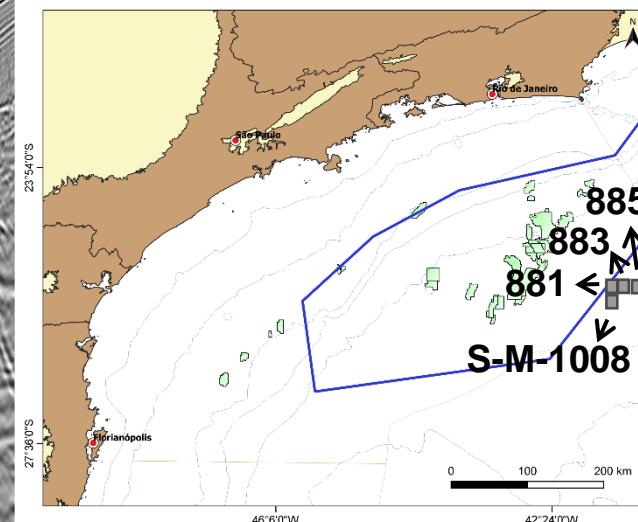
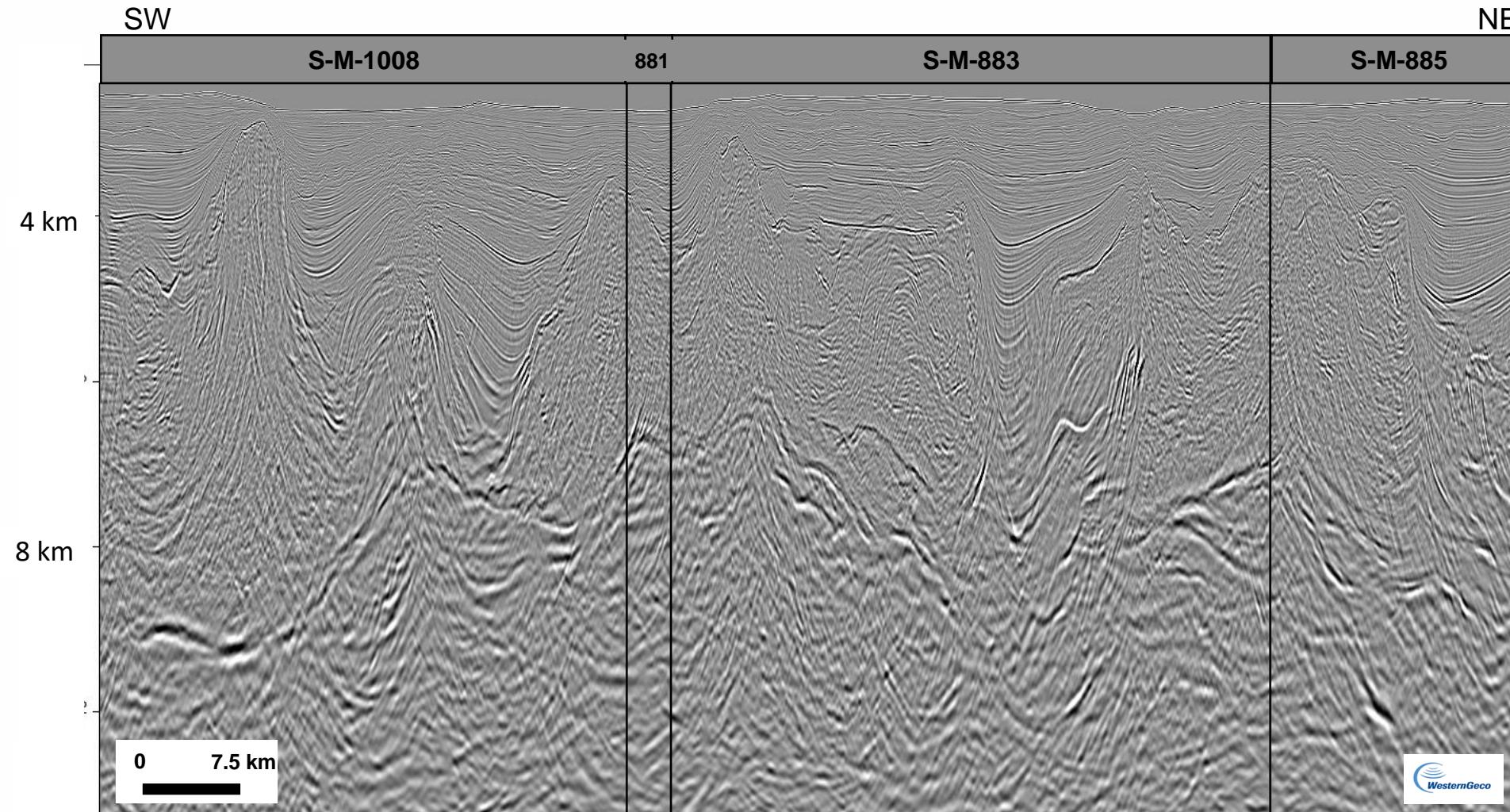
Fonte: Boletim Anual de Reservas da ANP (2018)

BACIA DE SANTOS

Salamandra, Iguana e Pantera

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anp



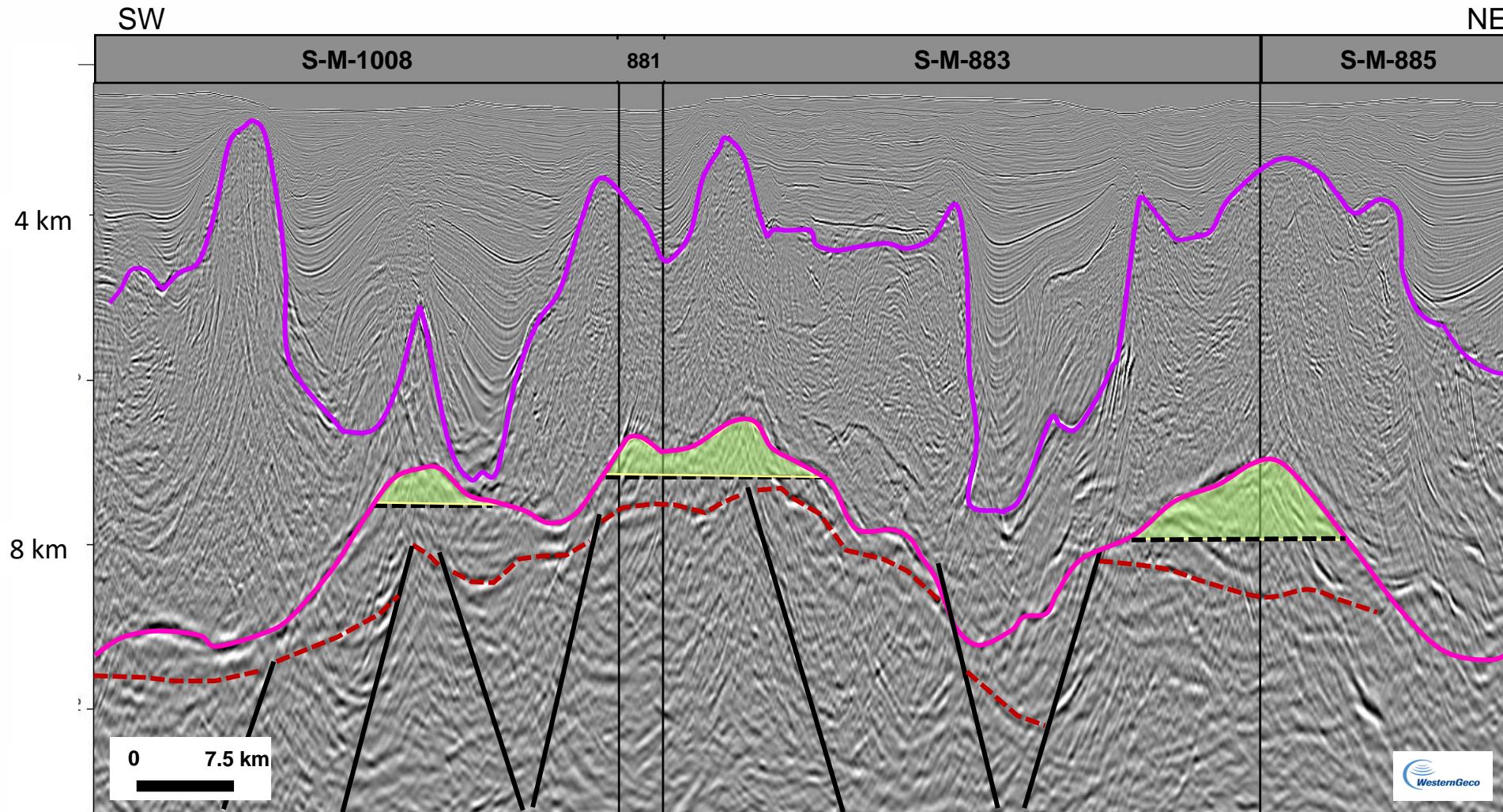
Linha: 1420 [R0258_2D_SPEC_PSDM_NTTI_BM_SBM_S]

BACIA DE SANTOS

Salamandra, Iguana e Pantera

OFERTA
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Brasil 
CONCESSÕES DE PETRÓLEO E GÁS

 anp

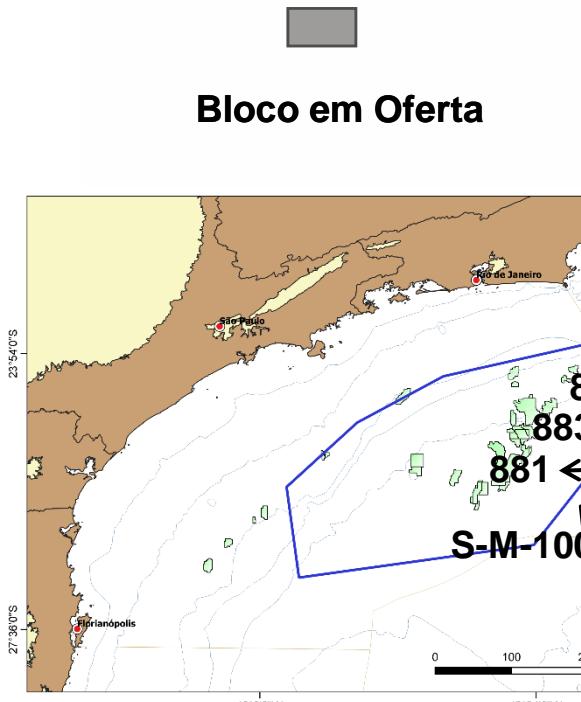


Linha: 1420 [R0258_2D_SPEC_PSDM_NTTI_BM_SBM_S]

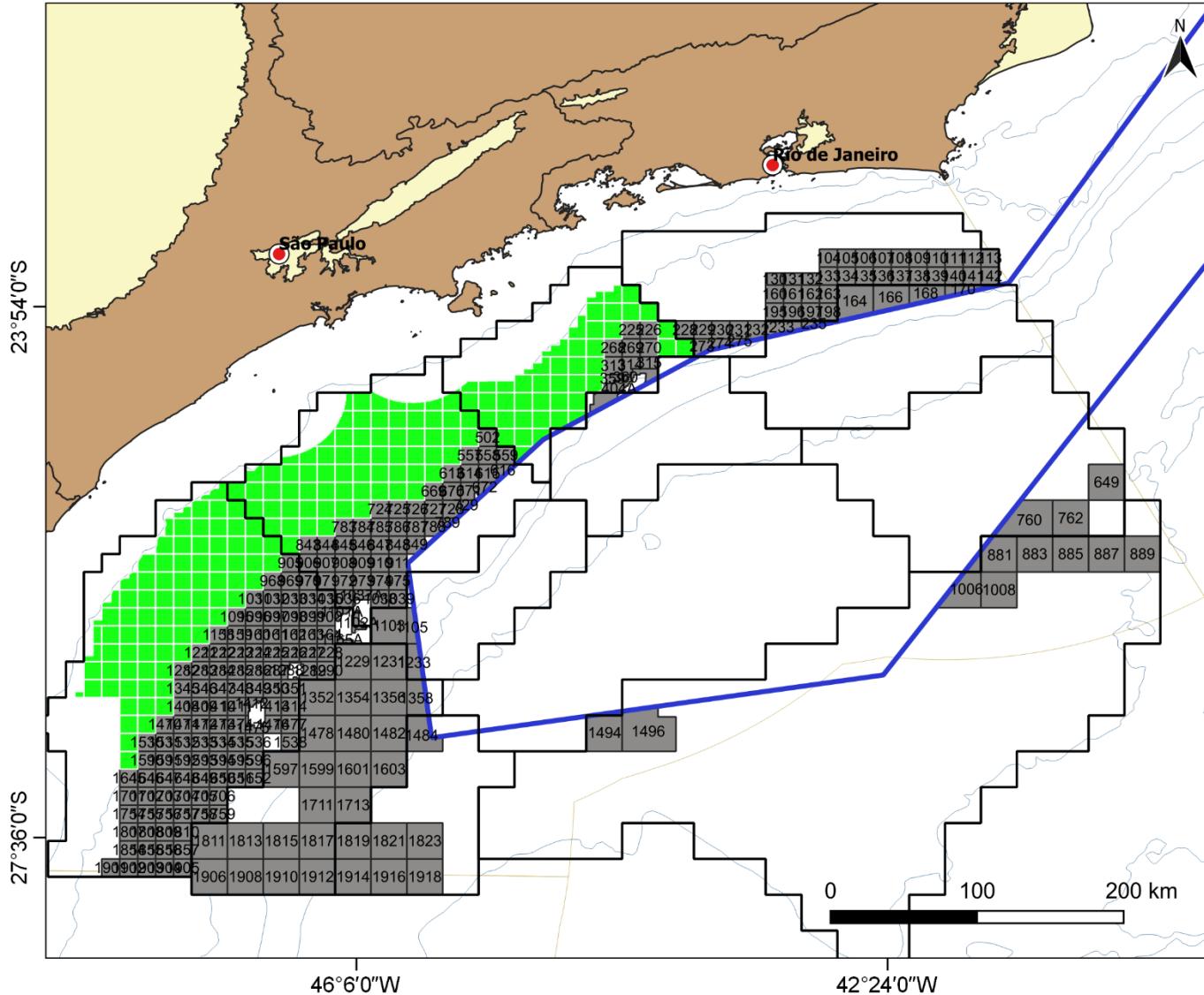
- Topo do Sal
- Base do Sal

- - - Embasamento Econômico
- Contato óleo/água

 Oportunidade Exploratória



Bloco em Oferta



SUPERINTENDÊNCIA DE AVALIAÇÃO GEOLÓGICA E ECONÔMICA

[ANP-SAG]



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Andressa Yumi Portella

Carlos Mikael Arnemann Batista

Cibele Saudino

Elaine Maria Lopes Loureiro

Heloisa Moure Monteiro

Hemert Santos Amorim

Isabelle de Almeida Freitas

Julio Cesar dos Santos Vital

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Bárbara Ferreira da Rosa Sagioro – Avaliação Econômica

Caroline Carneiro Guedes – Geoprocessamento

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Vanderlei Sartori – Avaliação Econômica

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