

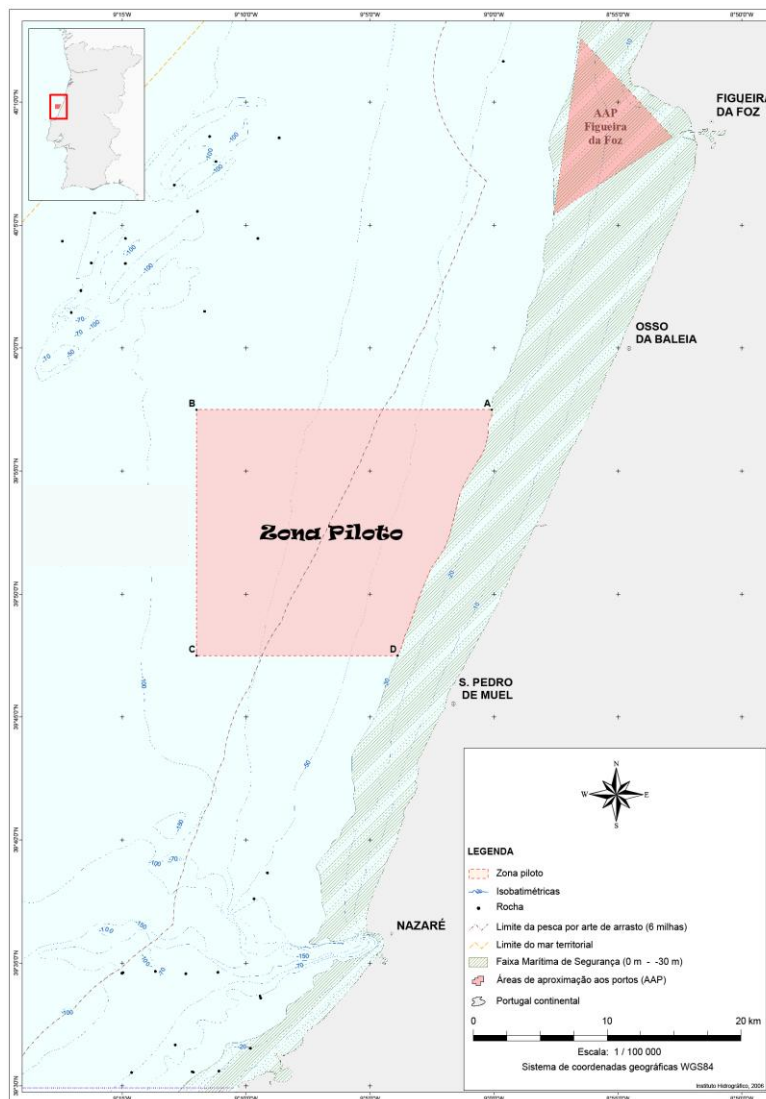
Bottom Sediments at the Pilot Zone area (S. Pedro de Moel)

Pólvora, C., Oliveira, A., Rosa, L., Pombo, J., Rodrigues, A.



Praia do Pedrogão

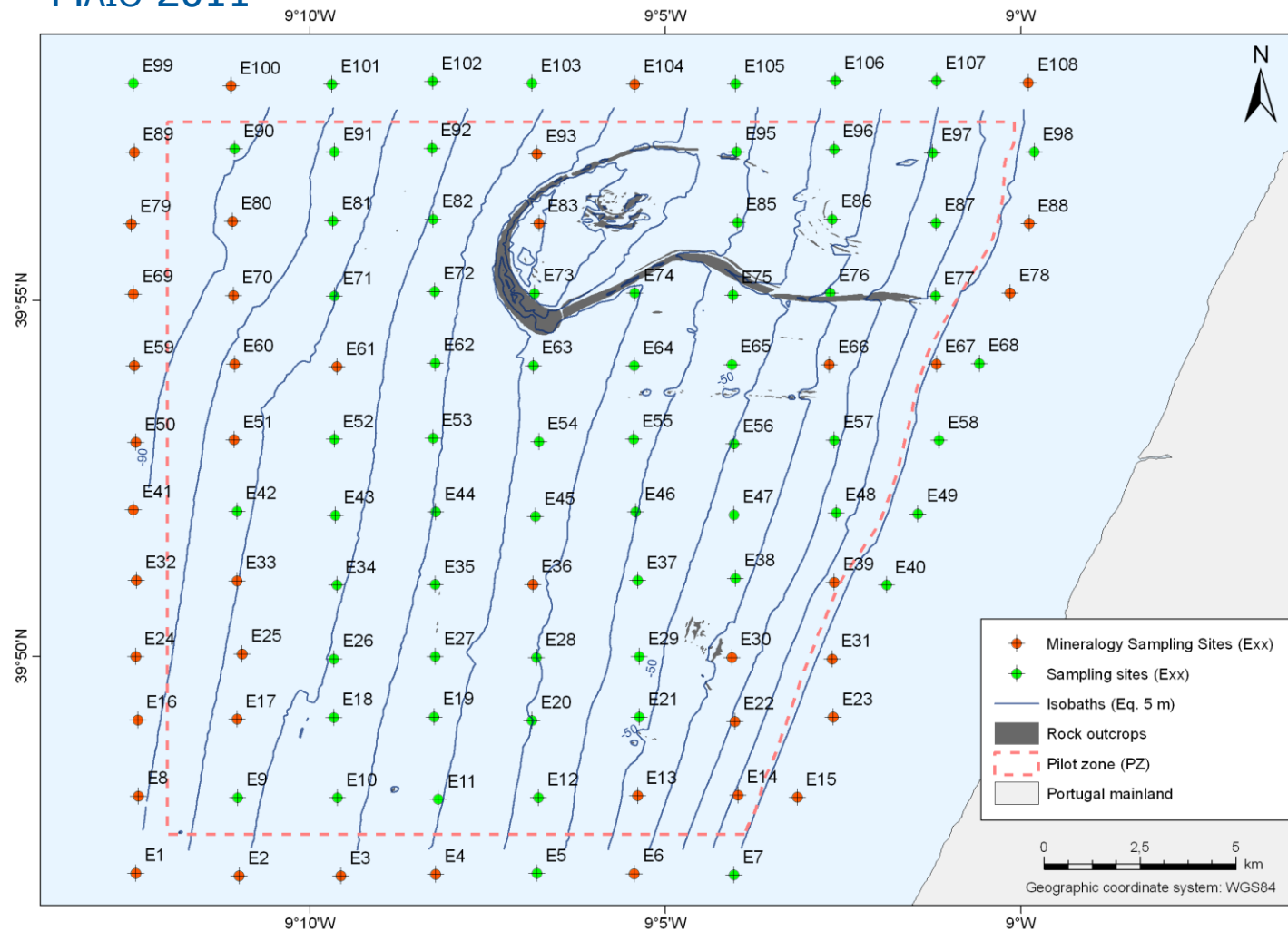
Instituto Hidrográfico, 2011



DECRETO-LEI N.º 5/2008
DE 8 DE JANEIRO DE 2008

Amostragem de sedimentos superficiais

MAIO 2011

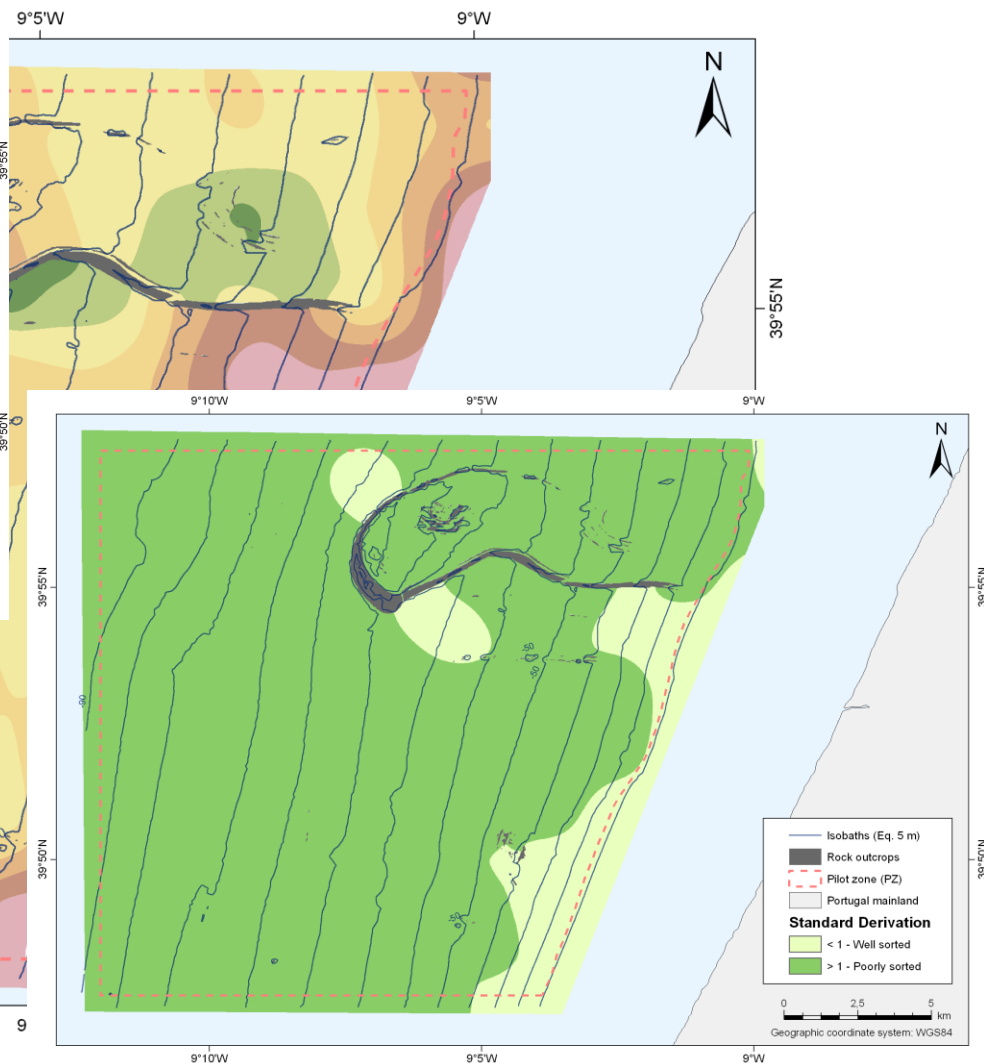
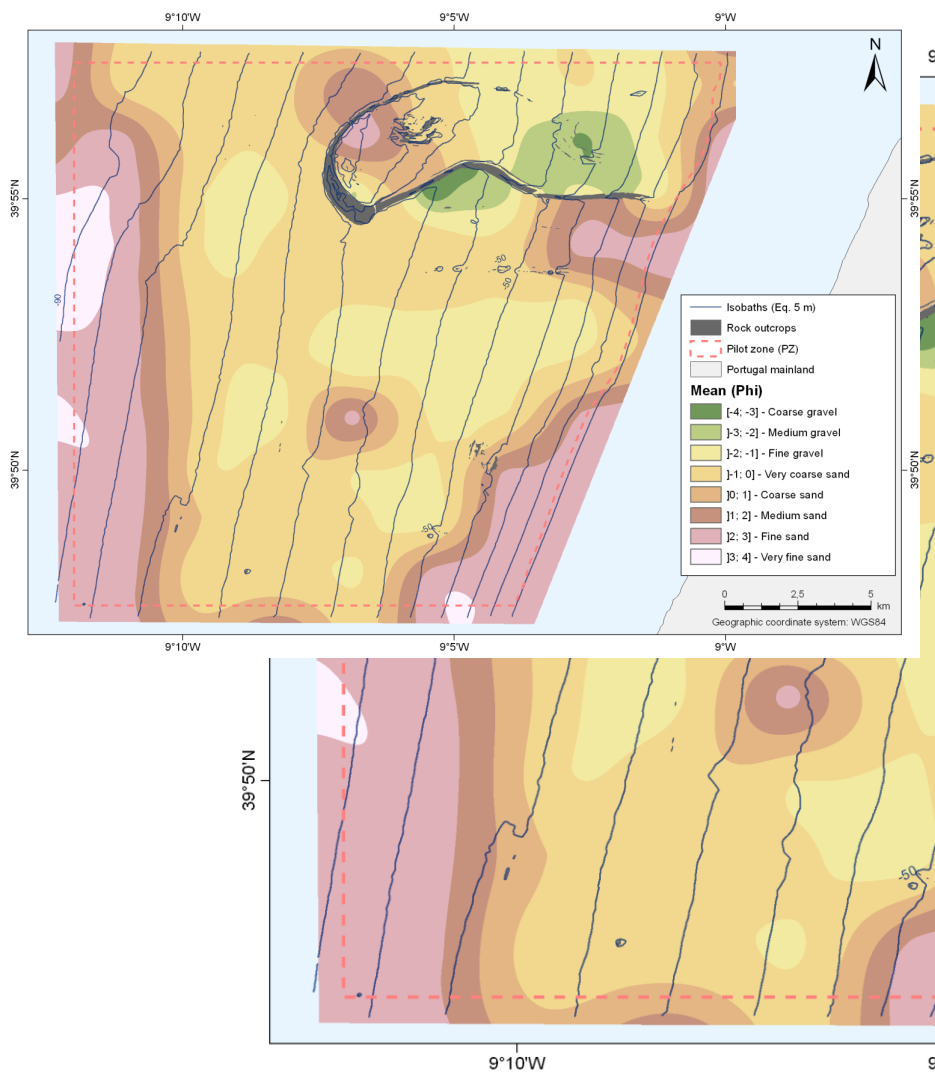


COLHEDOR
SMITH MCINTYRE

NORMAS TÉCNICAS:

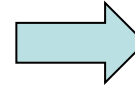
NT.LB.22 e NT.LB.23 Análise granulométrica

NT.LB.26 e NT.LB.29
Determinação do Carbono
Orgânico Total, Carbono
Inorgânico Total e Carbono Total

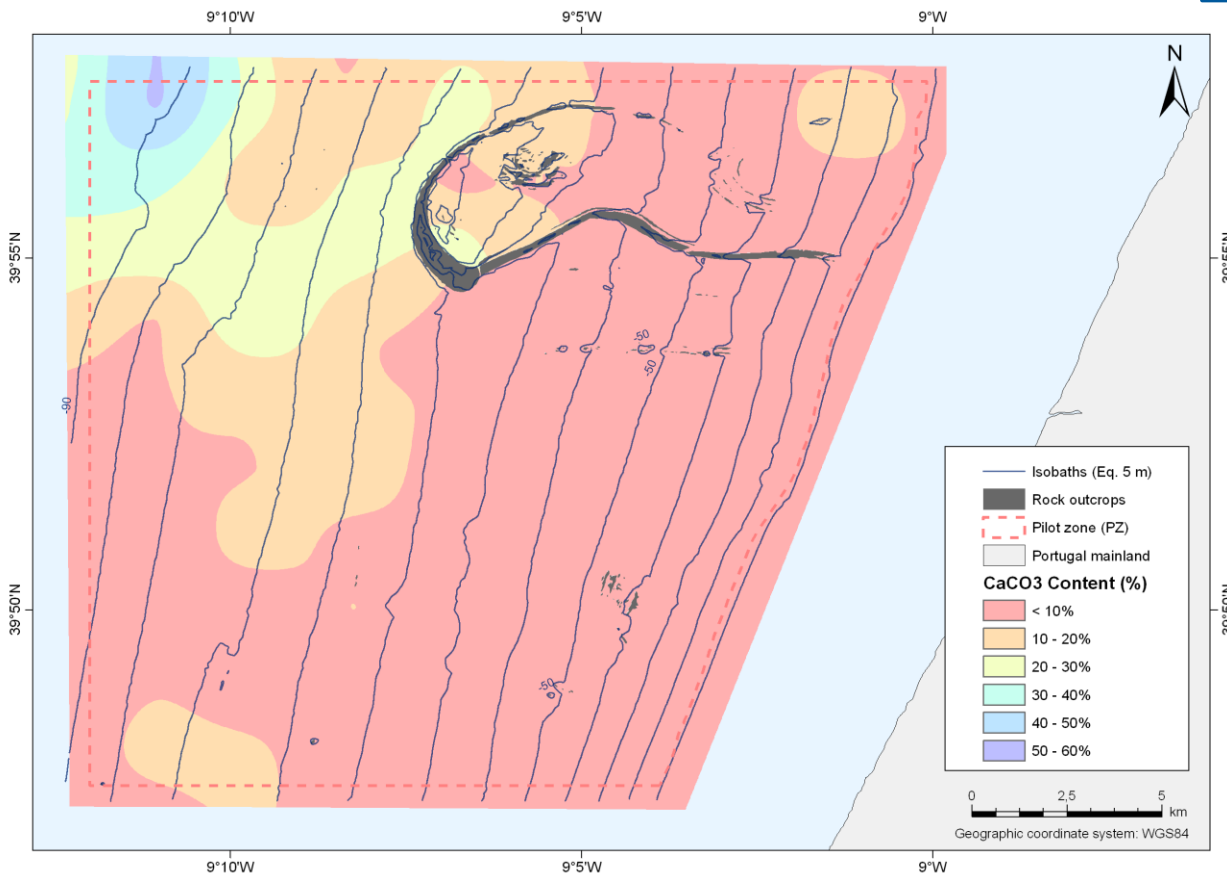


$$TIC \times 8,33 = CaCO_3$$

ORIGEM



Fragmentos biogénicos
 Conchas de gastrópodes e
 lamelibrânquios, foraminíferos,
 etc.



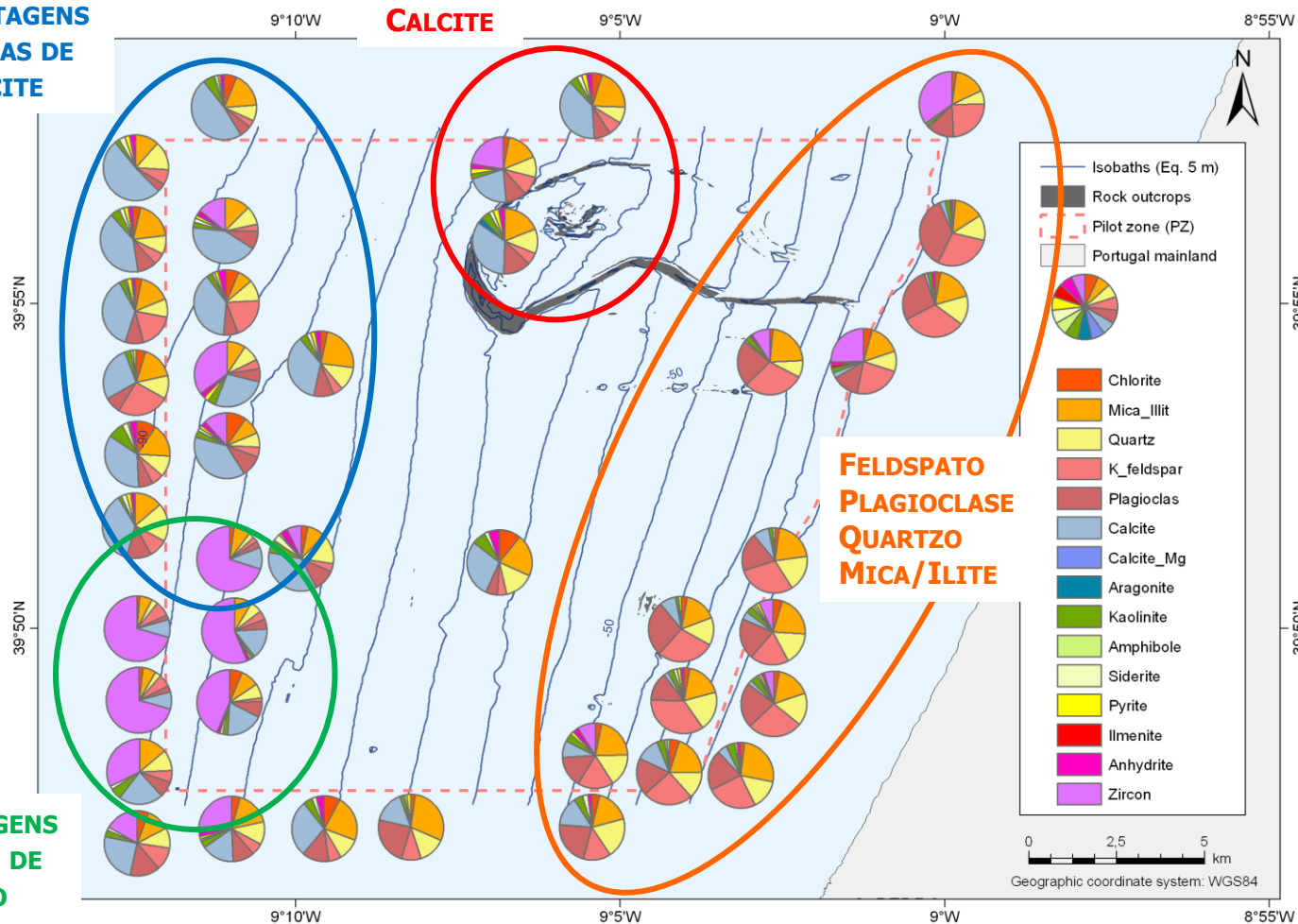
MÍNIMO: 1,67%
 MÁXIMO: 49,98%

CARBONO ORGÂNICO
 TOTAL
 < 0,4%

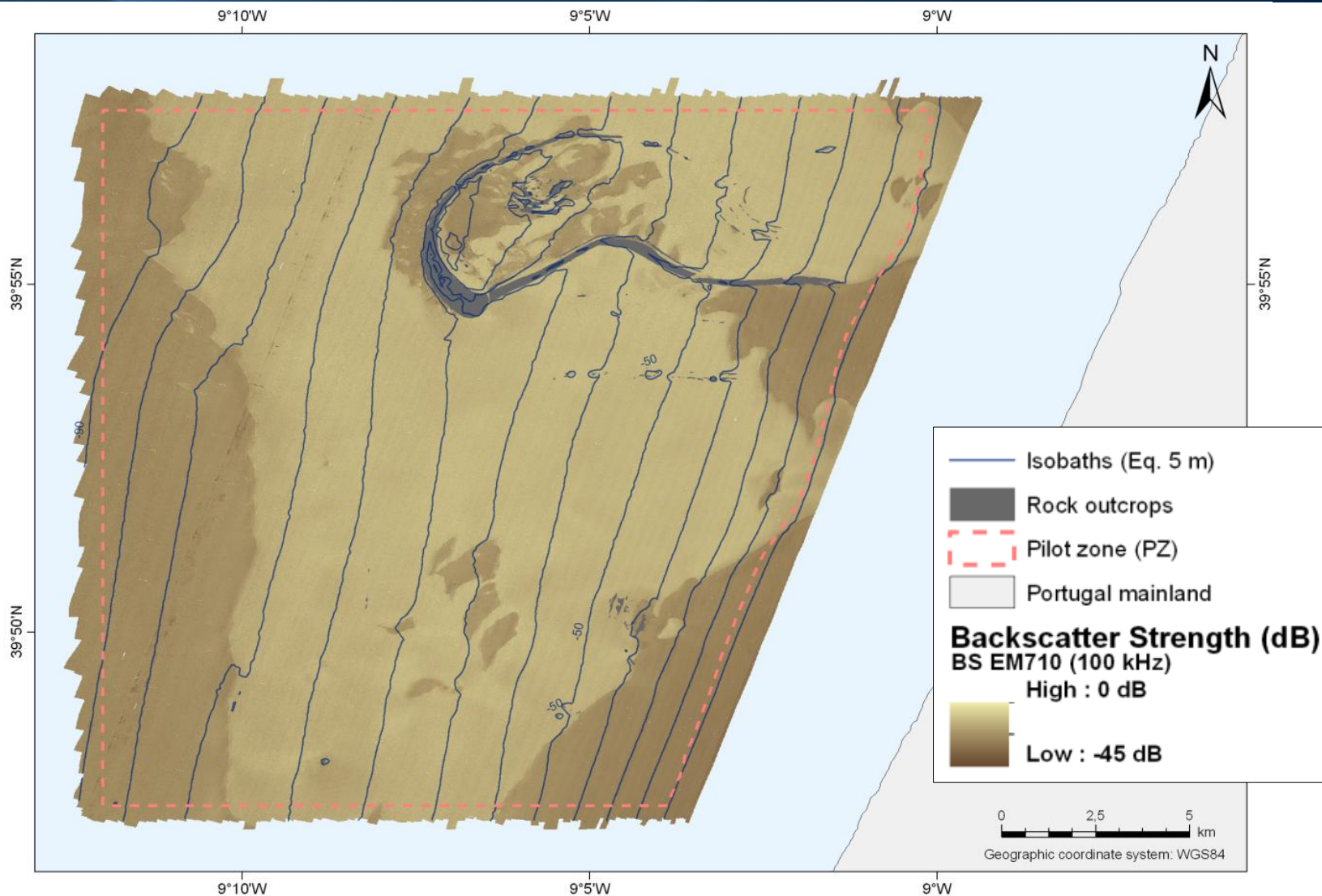
PERCENTAGENS ELEVADAS DE CALCITE

Espécie Mineral	Valores médios
Calcite	20,9%
Mica/Ilite	15,9%
Zircão	13,6%
Feldspato	13,6%
Plagioclase	12,8%
Quartzo	11,3%

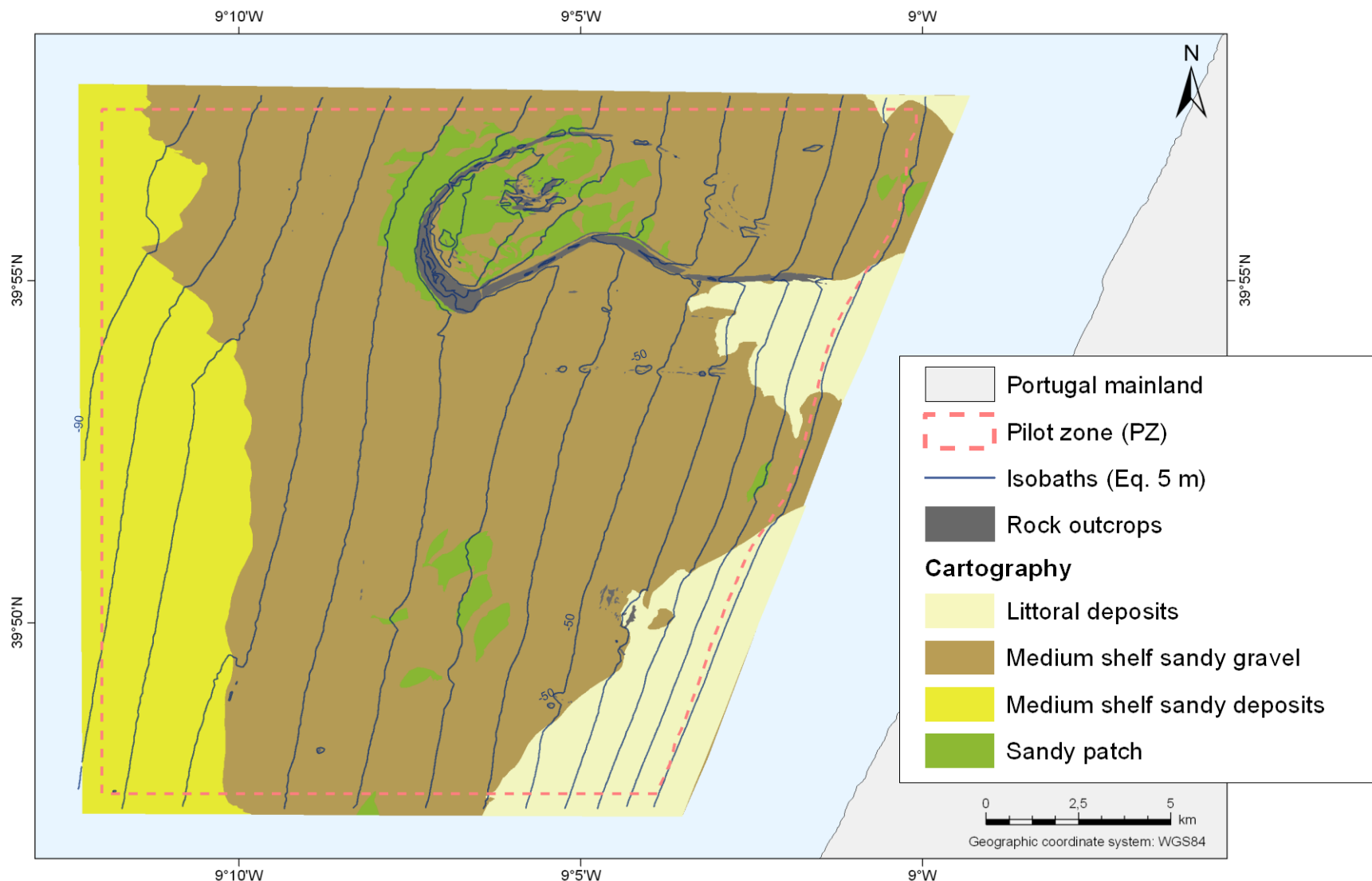
PERCENTAGENS ELEVADAS DE ZIRCÃO



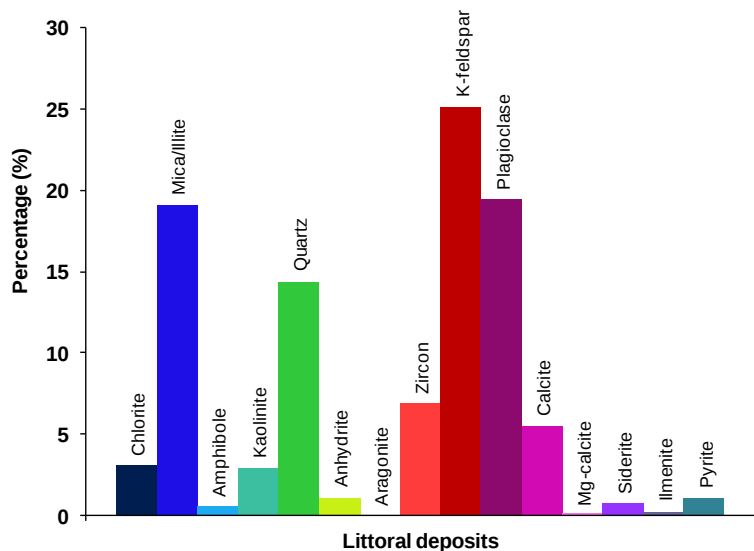
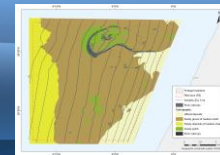
Análise do Mosaico de Backscatter



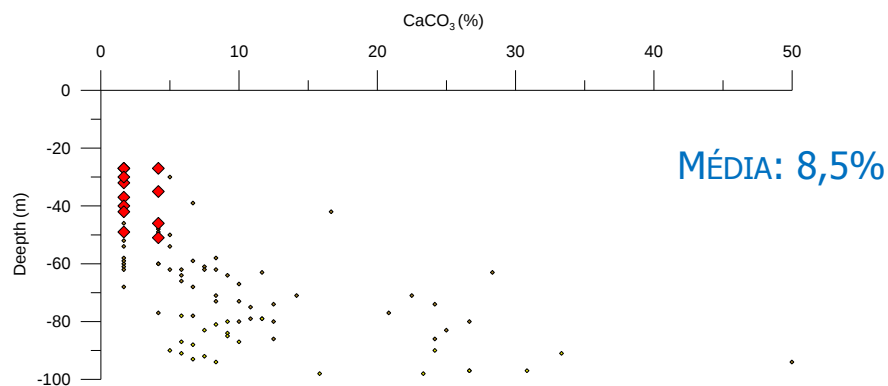
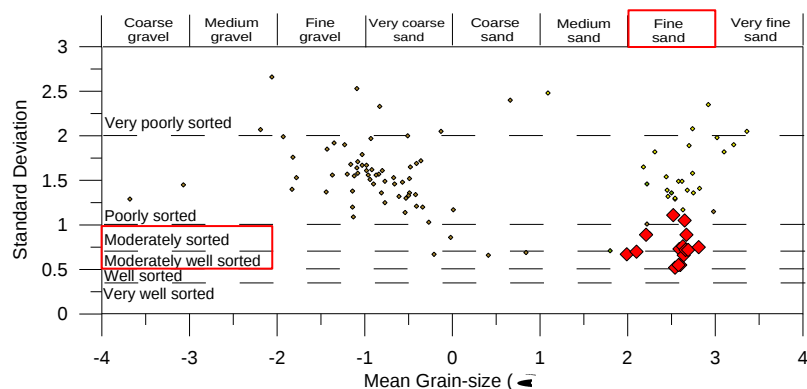
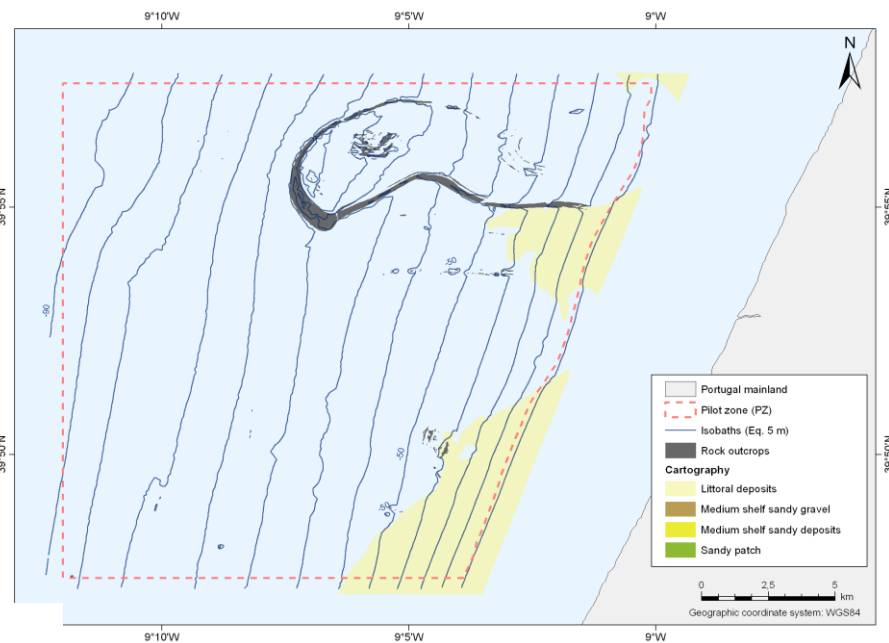
Depósitos Sedimentares



Depósito Litoral

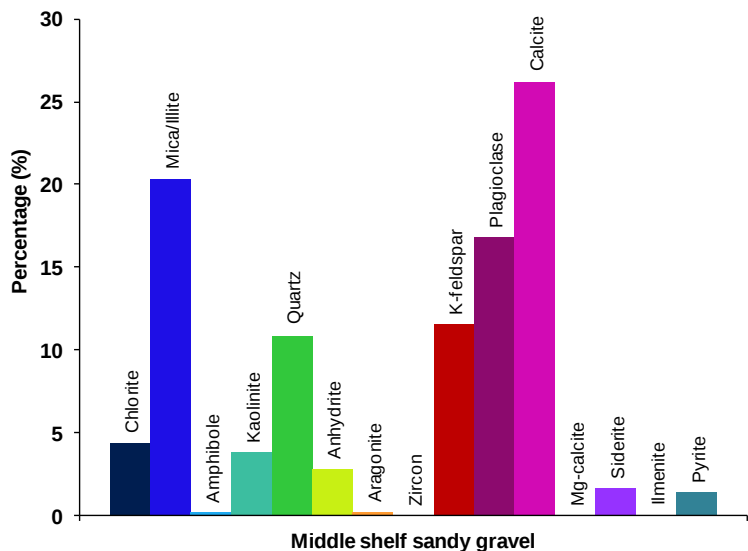
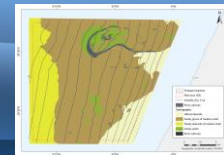


ÁREA TOTAL 95-99%



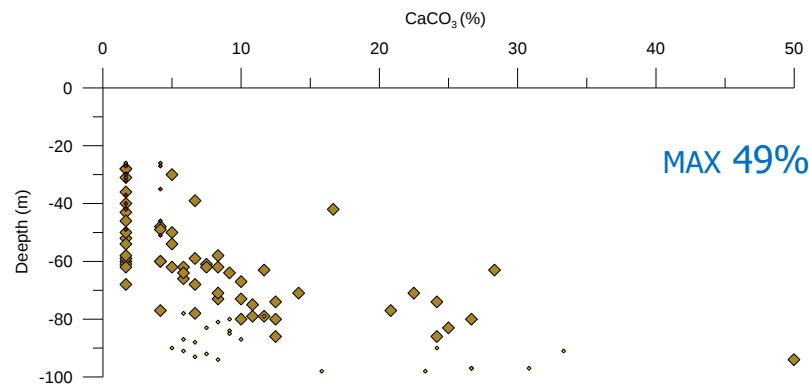
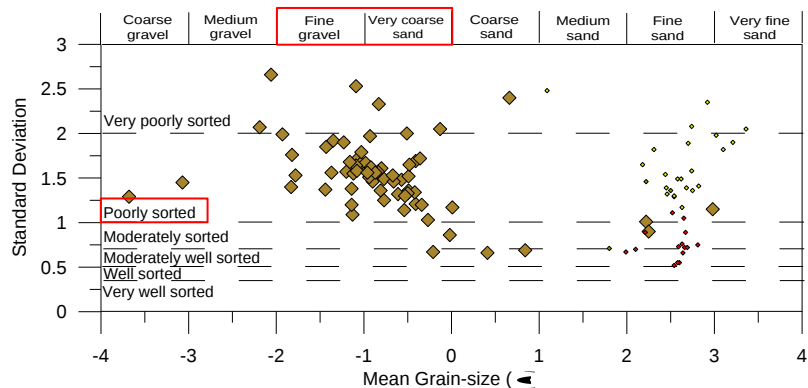
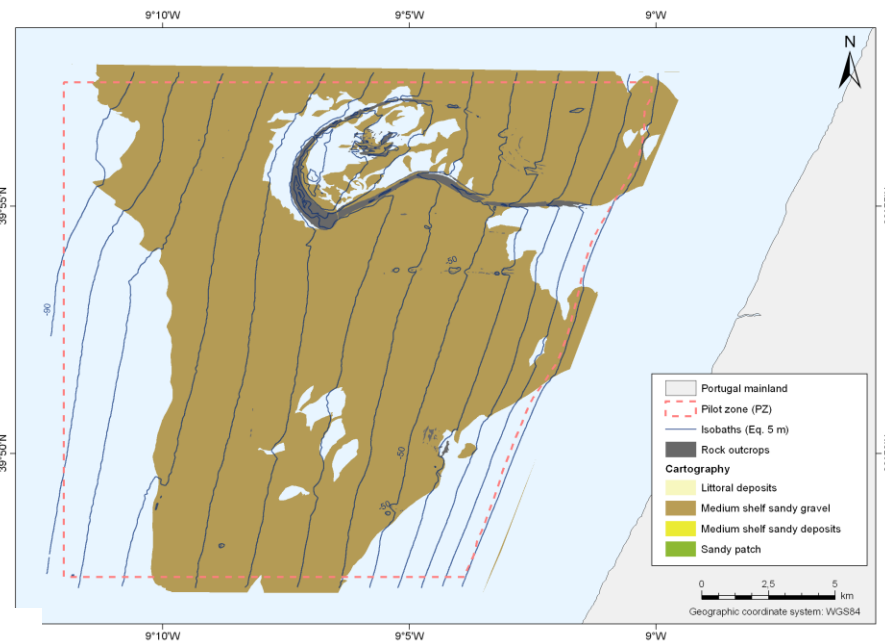
MÉDIA: 8,5%

Depósito areno cascalhento da plataforma média



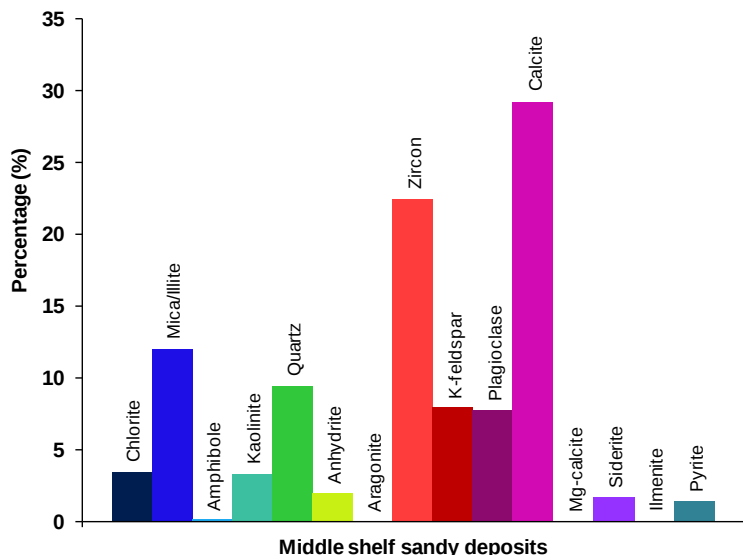
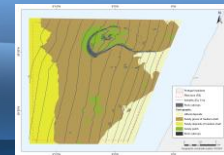
Middle shelf sandy gravel

CASCALHO 0-98%



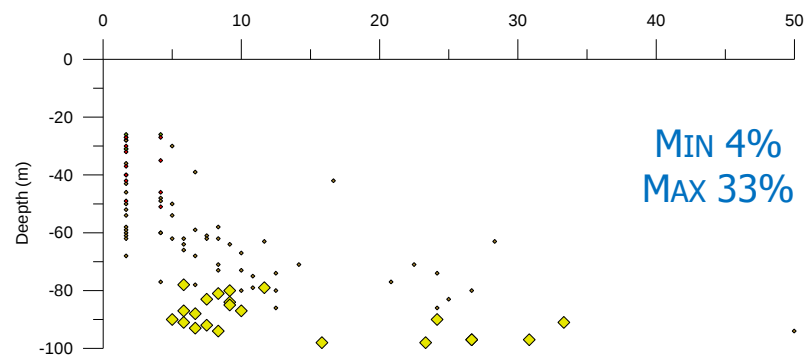
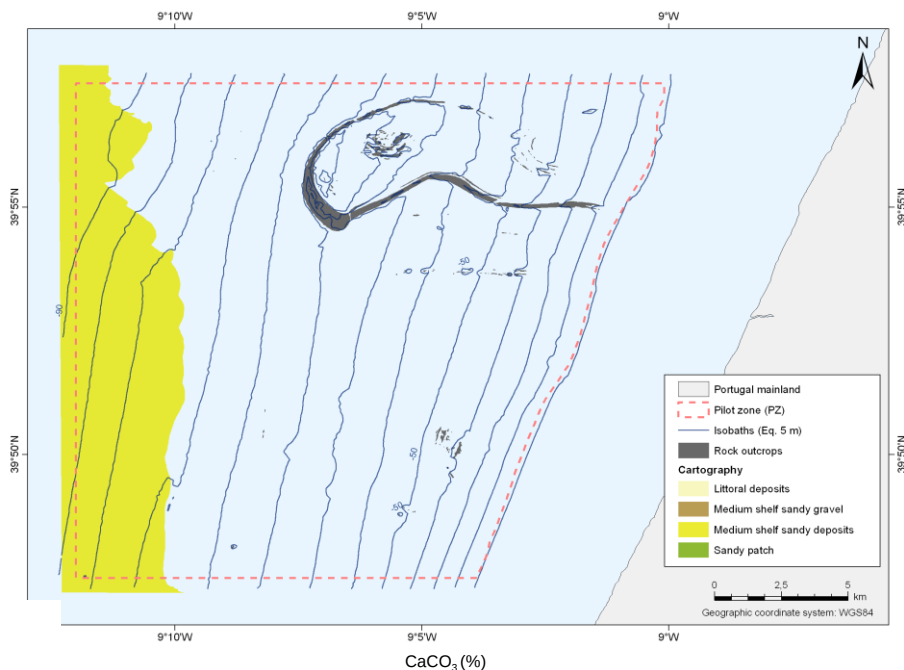
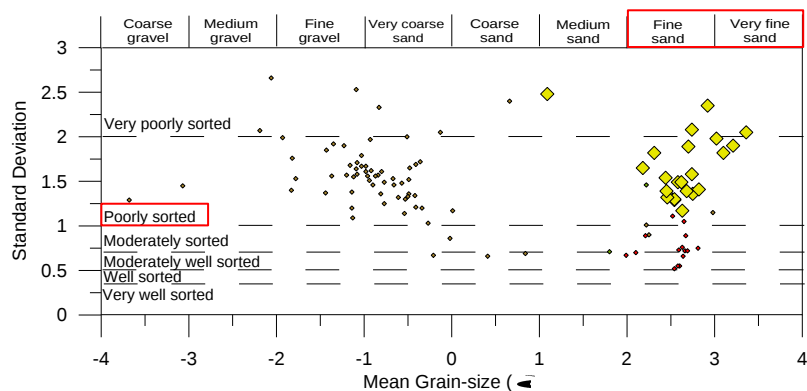
MAX 49%

Depósito arenoso da plataforma média

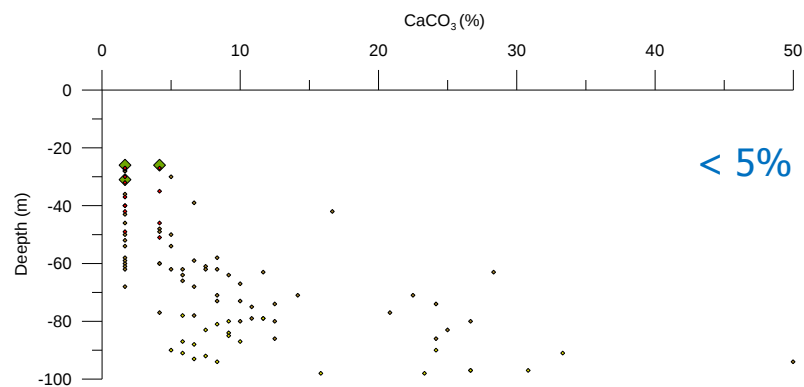
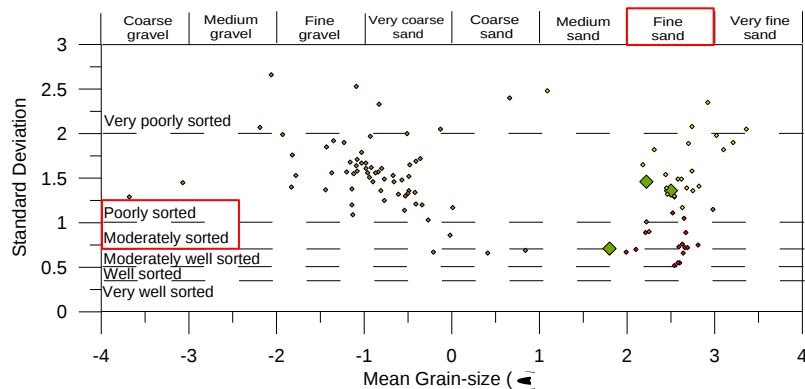
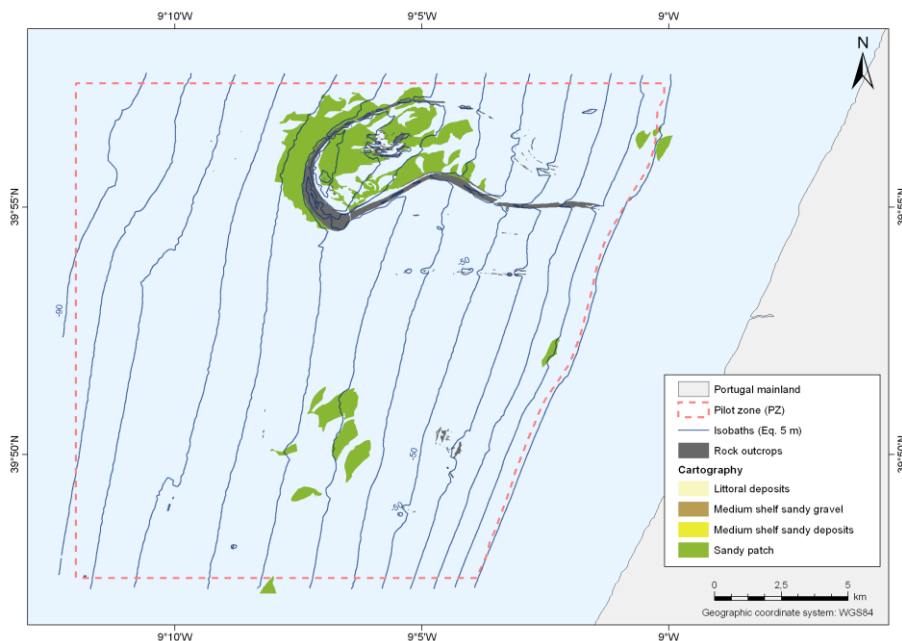
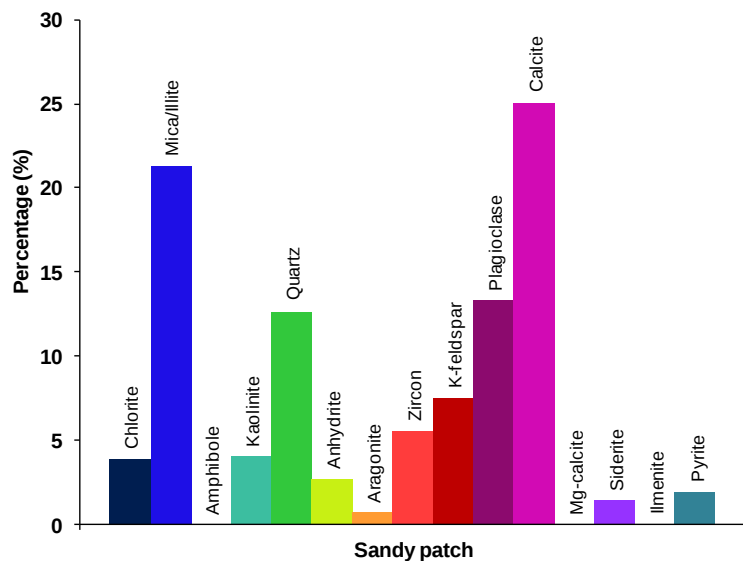
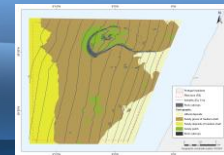


Middle shelf sandy deposits

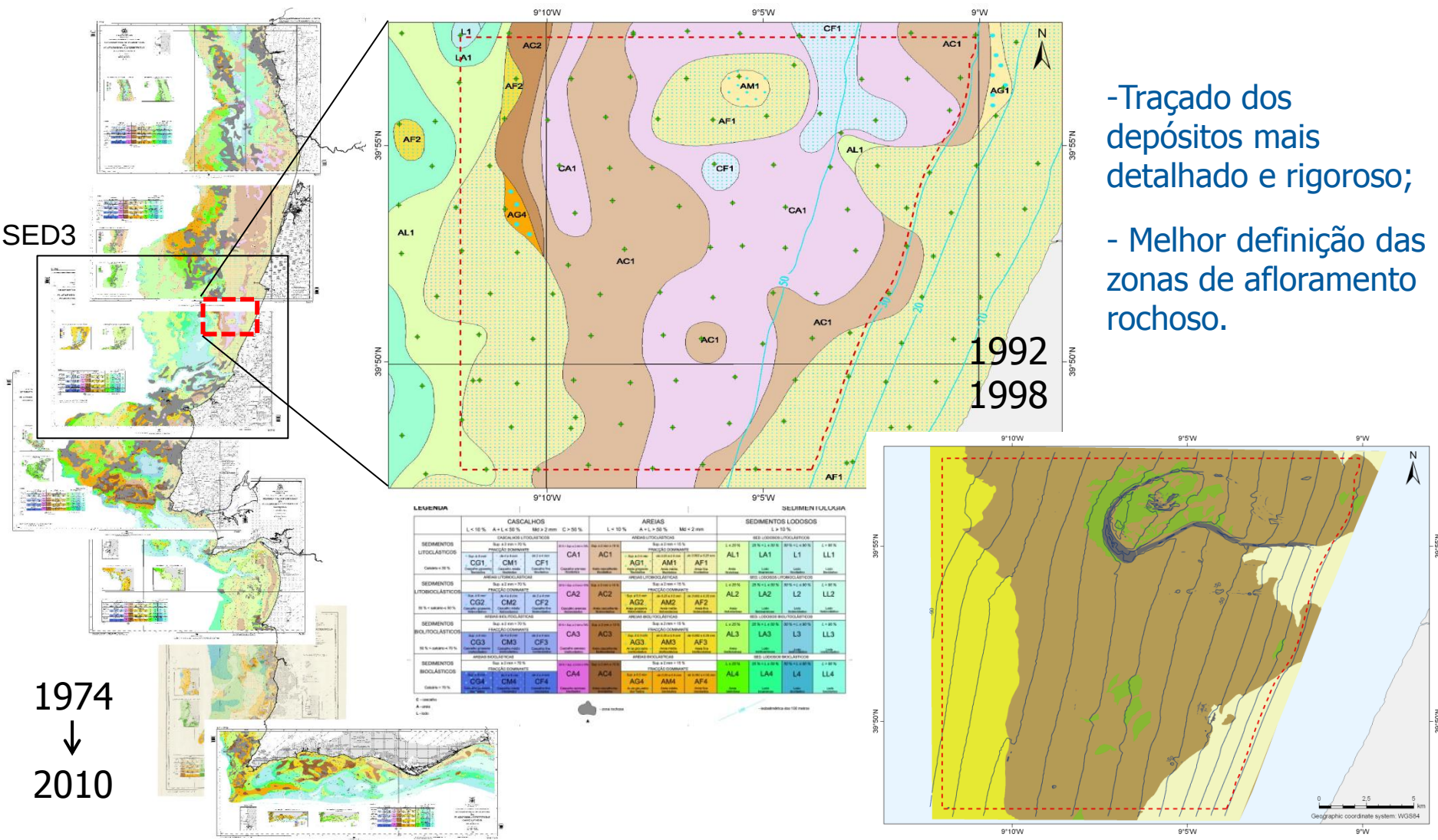
AREA TOTAL 72-94%



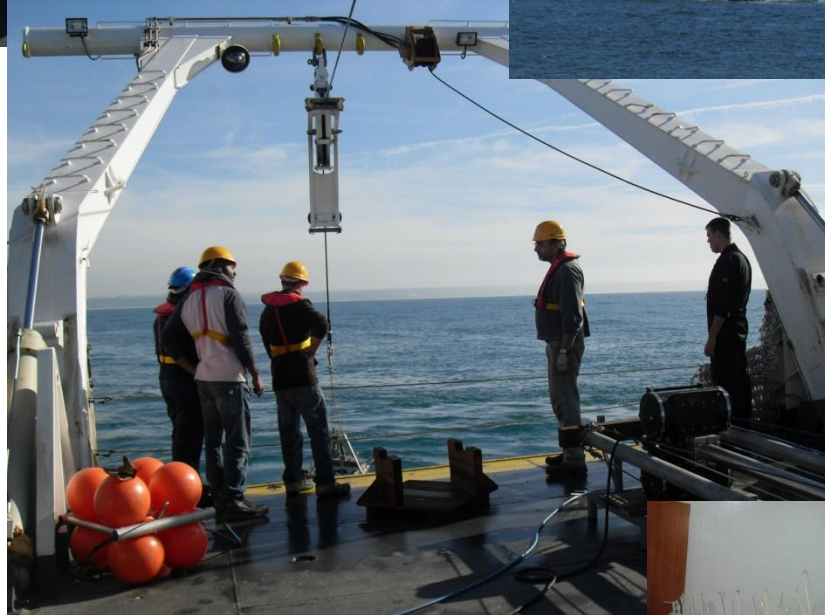
Manchas de areia



- Traçado dos depósitos mais detalhado e rigoroso;
- Melhor definição das zonas de afloramento rochoso.



- ✓ Os sedimentos da Zona Piloto são constituídos por areia e cascalho, com baixa percentagem de partículas silto-argilosas (<63 μm);
- ✓ Com a conjugação de resultados, de análise textural e composicional dos sedimentos com os levantamentos acústicos foi possível delimitar 4 depósitos sedimentares distintos;
- ✓ Os levantamentos de multifeixe e a elaboração de mosaicos de backscatter são essenciais antes de qualquer campanha de amostragem de sedimentos;
- ✓ A combinação de técnicas e de diferentes metodologias melhorou significativamente a resolução da cartografia sedimentar e na identificação de novas estruturas sedimentares e geológicas.



Bizarro, R., Oliveira, A. Santos, A. I., Rosa, L., Pinto, J. P., Pólvara, C., Ferreira, F., Lapa, N., Cruz, I., Pombo, J., Reis, L., Silva, S., Caetano, A., Duarte, J., 2012 -
Relatório técnico final REL TF GM 04/12 –
Caracterização geofísica da Zona Piloto. 177p.
Instituto Hidrográfico



