Zechstein Experience

Strategie *The Story Starts*

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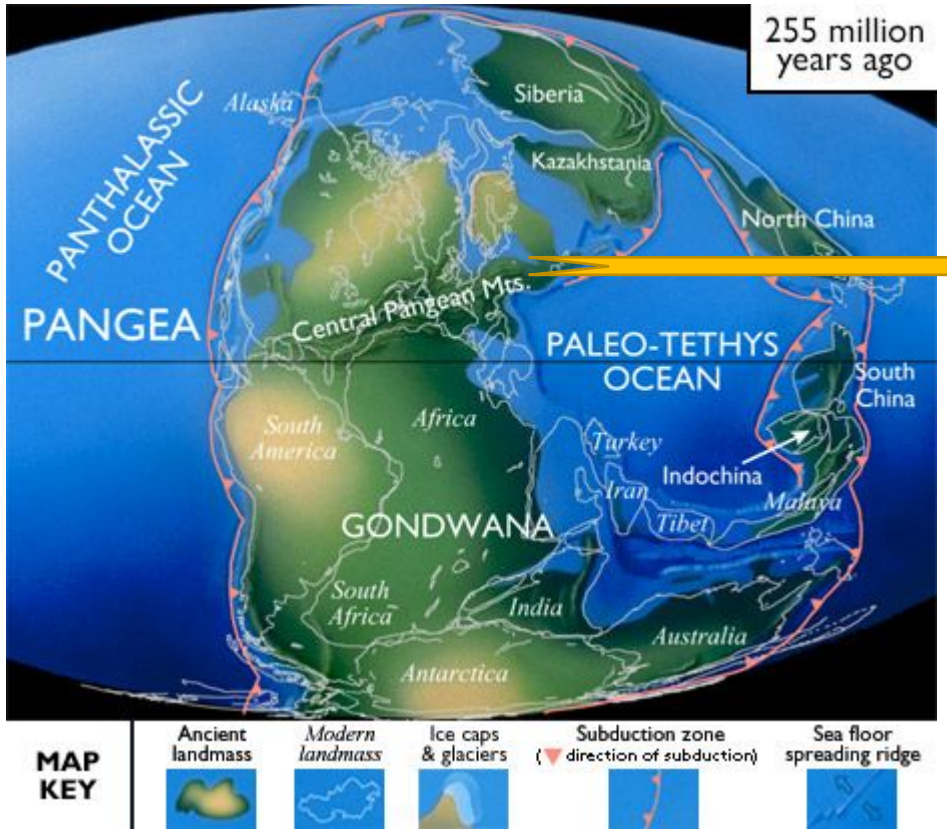
Historical Facts



Zechstein Sea was more than 250 million years ago an inland sea around the equator, which arguably 5x was refreshed with ocean water, within a period of millions of years, after which it evaporated every time.

ZECHSTEIN MINERALS

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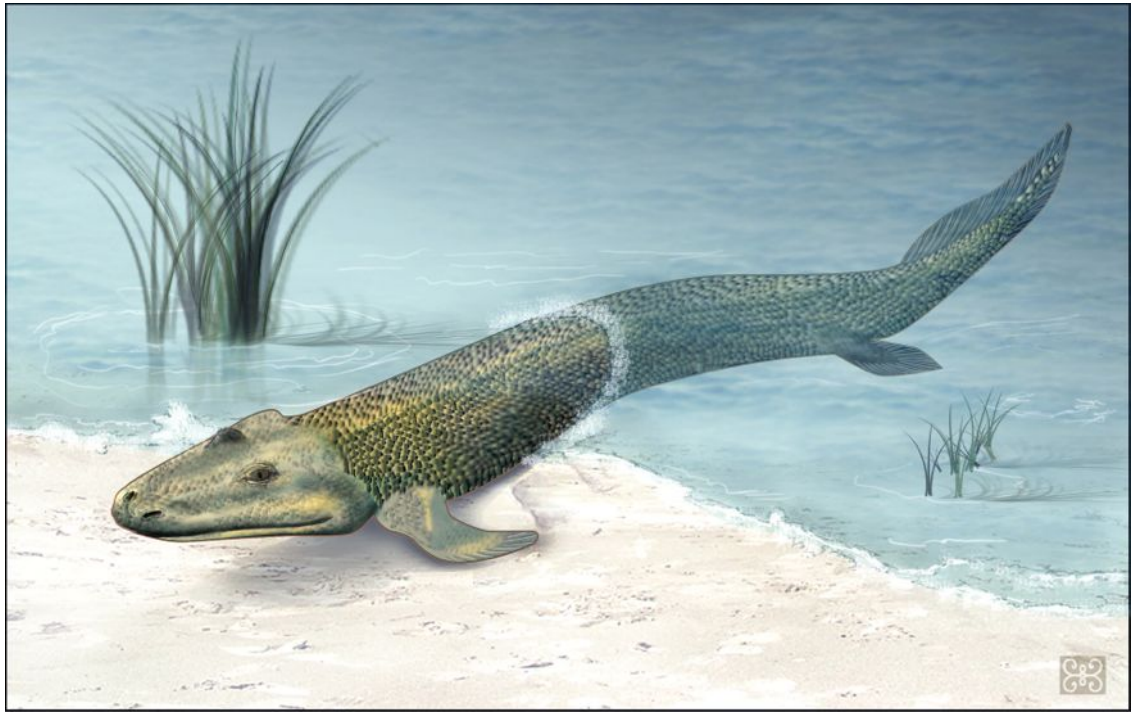
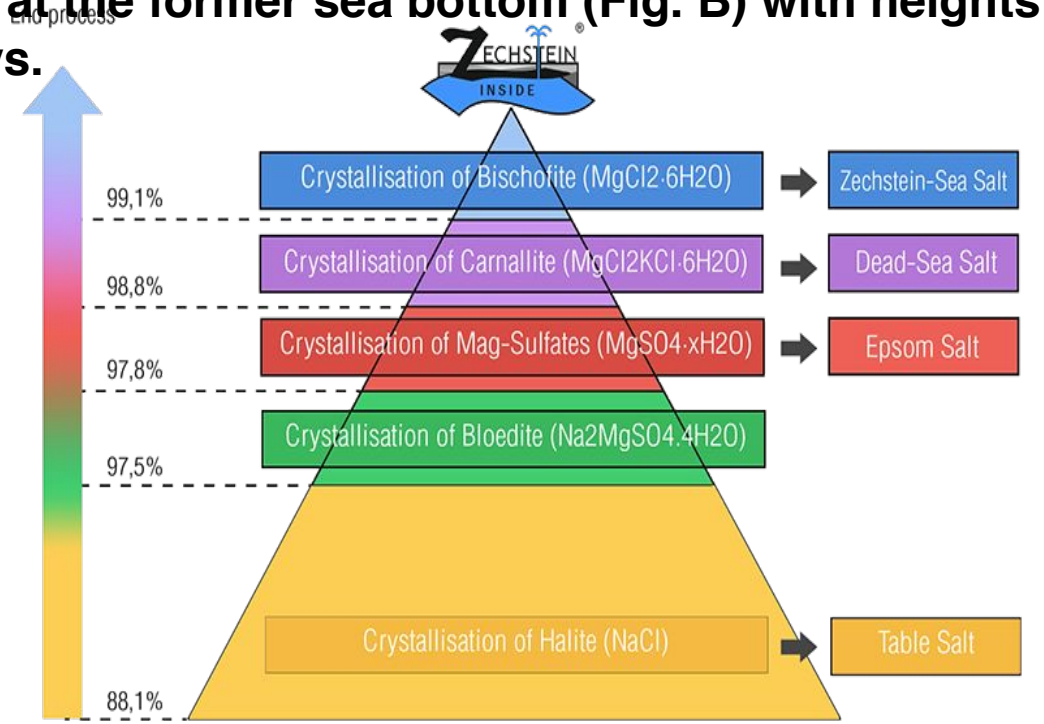
Historical facts

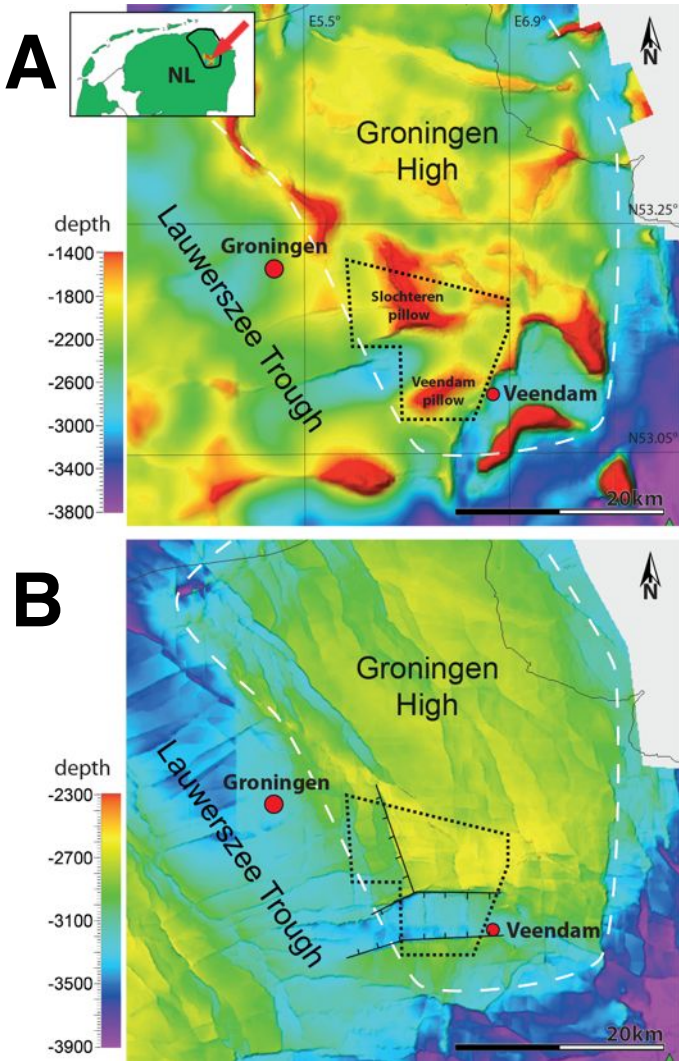


Out of the Panthalassic Ocean, connected to the Zechstein Sea, the Tiktaalik as f irst animal went on shore.

Historical Facts

The evaporation of the Zechstein Sea went each time in a certain order of deposits, which at last magnesium chloride salt crystallized.
Salt deposits up to hundreds of meters thick (Fig. A) took place at the former sea bottom (Fig. B) with heights and valleys.





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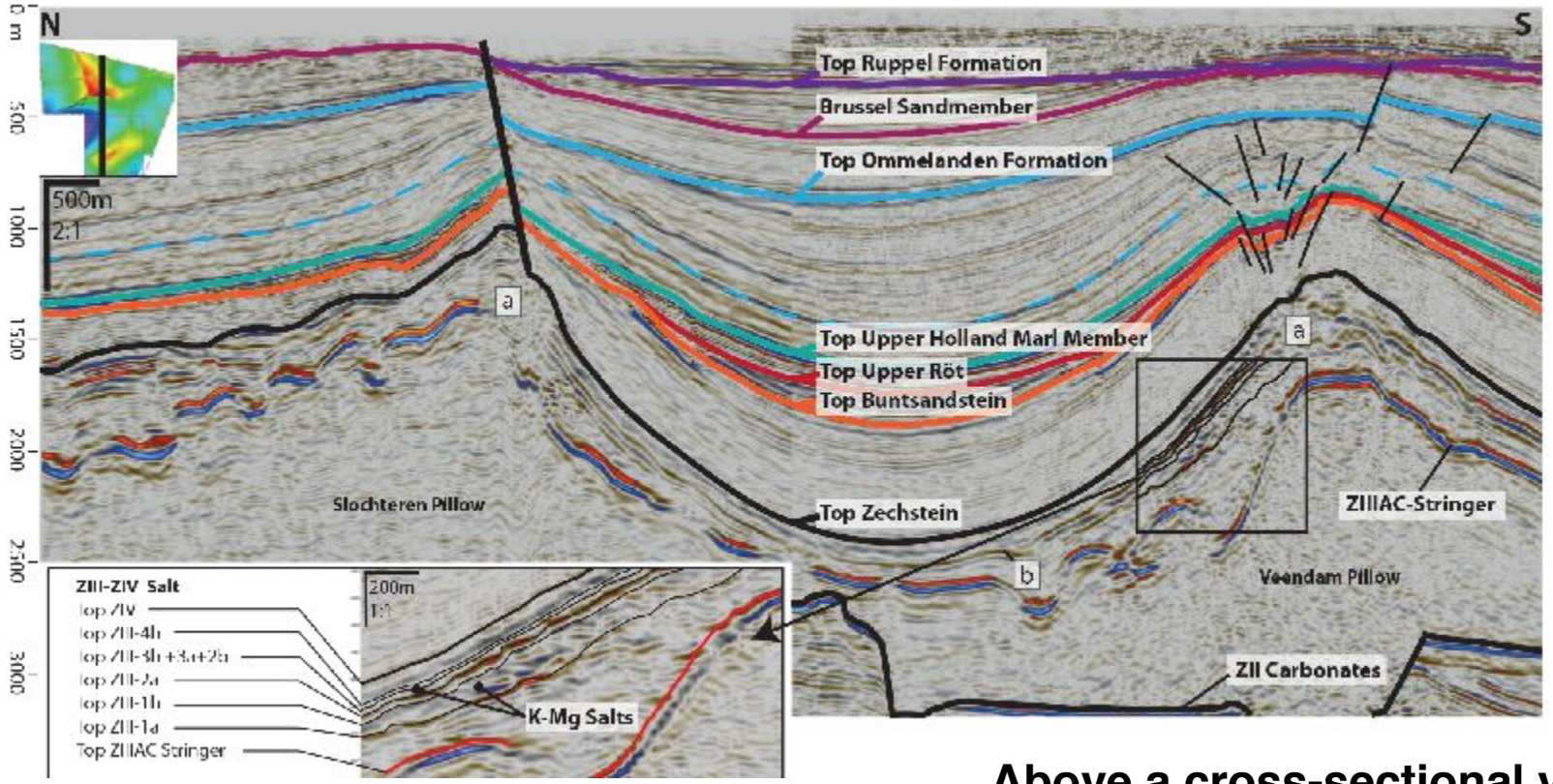
by



Above a cross-sectional view of the current packet salt (black line "Top Zechstein"), above which later deposits. It is obvious that the package thereafter in the millions of years has been deformed considerably. A major deformation is the Salt Pillow Pack near Veendam (Veendam Pillow).

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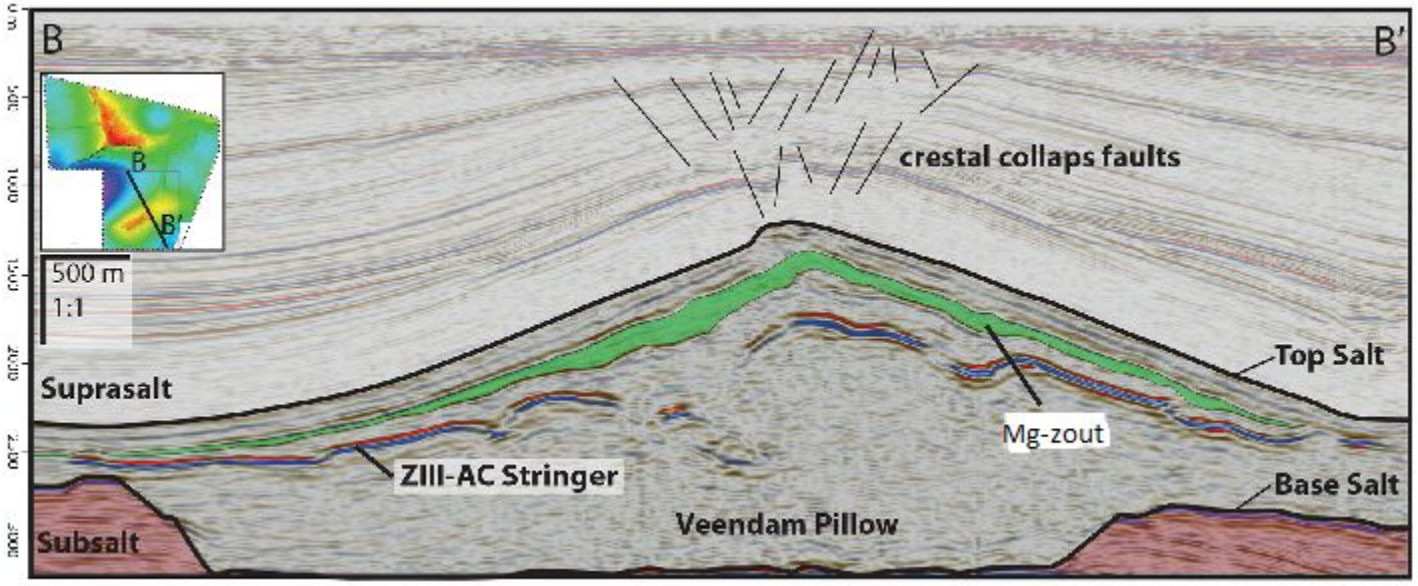
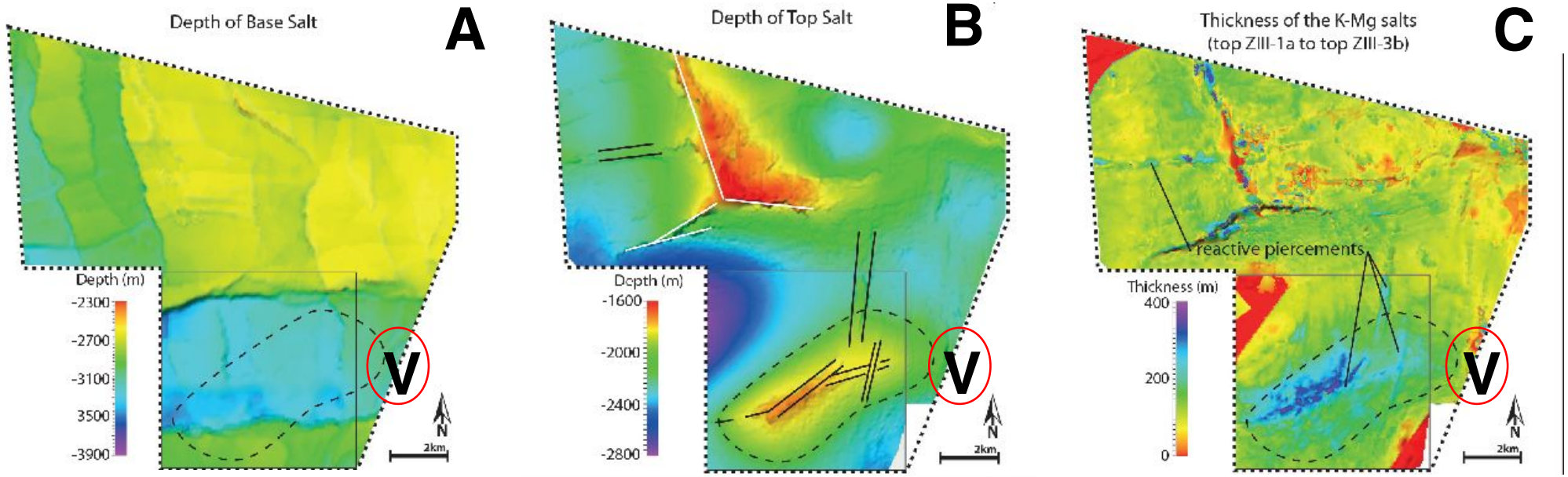
by coincidence of circumstances



Veendam Salt Pillow, NW-SE section, on the top 2800 m high, with plain magnesium salt deposits rich in green above the salt layers (dark gray). Recently, research established, where and why this magnesium salt layers, which are also less viscous than the salt, have become so thick.

by coincidence of circumstances



The Zechstein seabed has at the height of Veendam V deepening rift of 400 m deep (f ġure), it is clear from recent research that it originated later, after the salt had already deposited.
Above this rift, however, is the Veendam Salt Pillow (f ġ.B), the oval dotted circle, and here also showing the magnesium salt accumulation in 3D see (f ġ.C) the purple spot.

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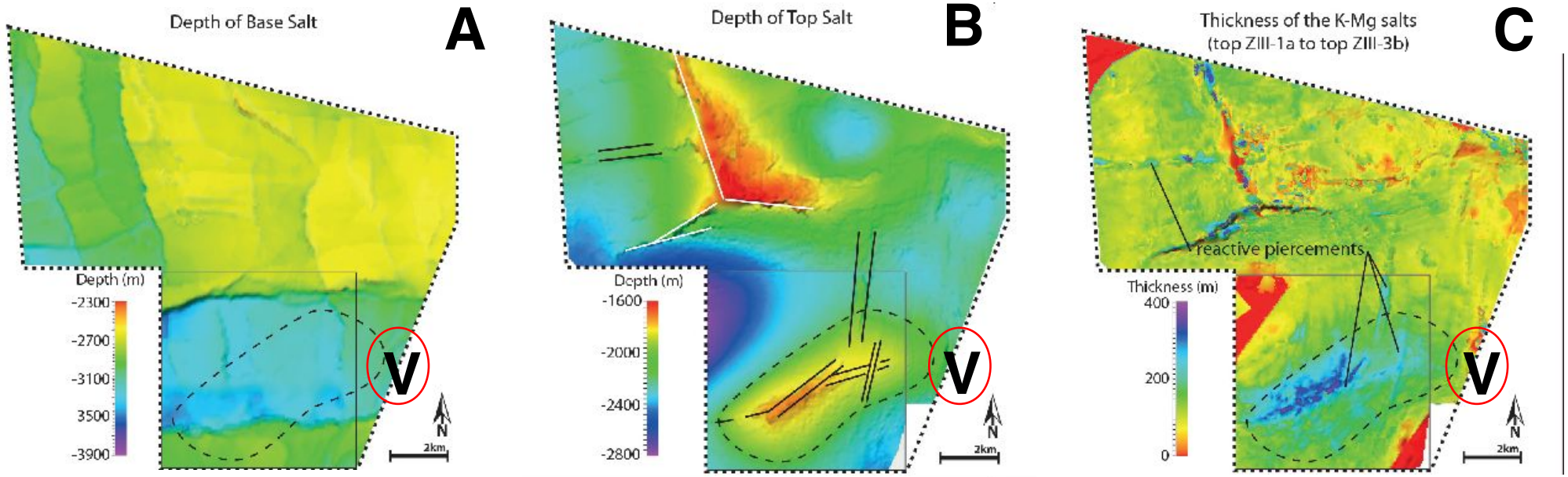
by coincidence of circumstances



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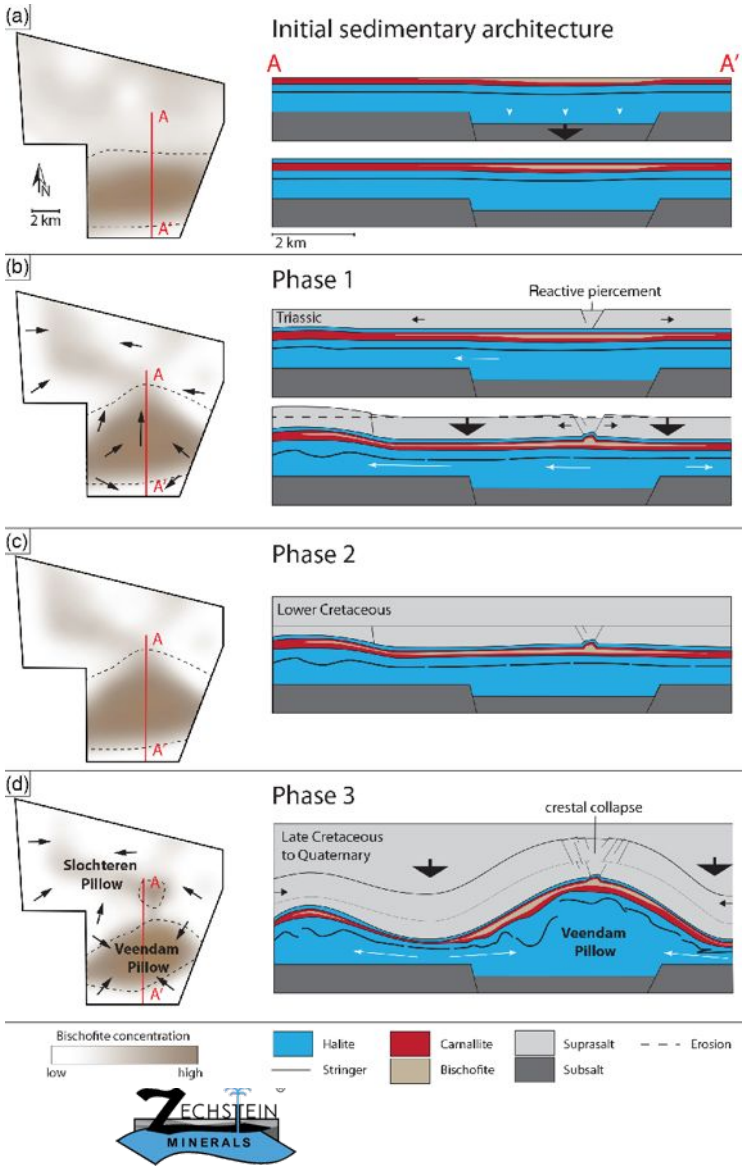
created the unique **Zechstein source**



The genesis of the unique Zechstein source originates immediately after the last great evaporation cycle where at last on the salt f ats (blue and red layer) is relatively small puddles magnesium chloride (gray top) arose (Figure a).
Because the seabed at Veendam caved in, the aforementioned rift emerged which ensured that the magnesium chloride puddles f bw together from miles around (black arrows in the map).
In the millions of years later, the f rst deposits above the salt appears, and salt still f bwed slowly in NW direction (white arrows in blue).
These growing deposits then put pressure on the salt packet and the f rst deformations were visible (Figure b).

During the growth of more and more deposits were also stable periods (Figure c), but later the forces (tectonic) become stronger again and the salt moving up on weaker areas, and the salt from the valleys and surrounding f bwed into the "salt mountains". This resulted in the high concentration of magnesium salts in the Veendam Salt Pillow (Figure d)
Eventually this led to the unique huge concentration of magnesium salt on the NW side of the Veendam Salt Pillow with the pure natural magnesium chloride gathered in layers of tens of meters thick.

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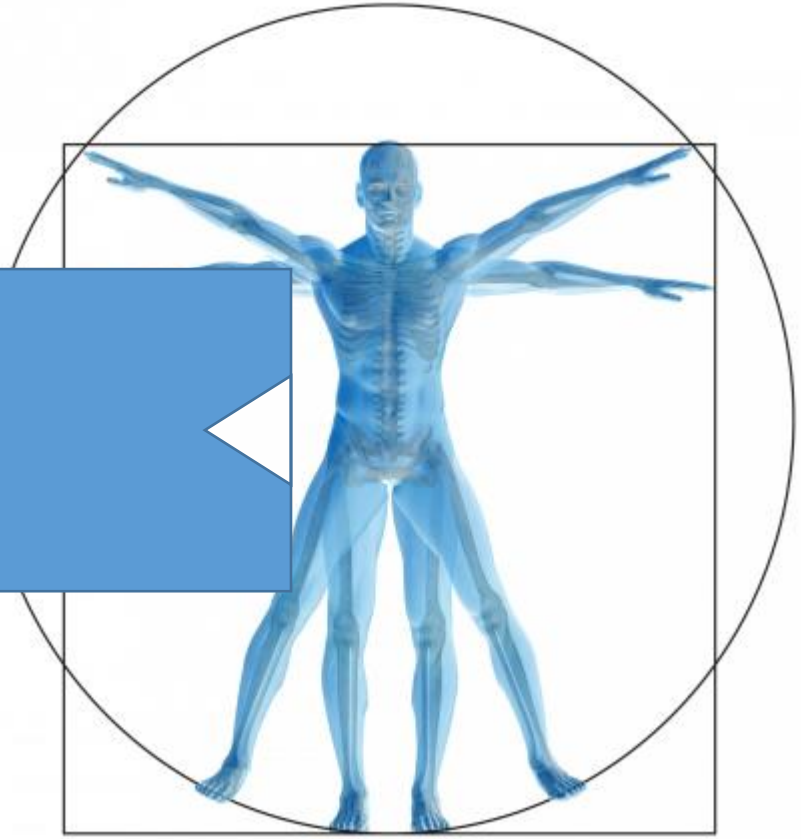
created the unique Zechstein source

Zechstein magnesium Ancient Life Essential



Magnesium chloride as an essentail Life Essential is in a natural way concentrated and crystalized 250 million years ago out of this ancient Zechstein Sea
This is an immense health treasure.
We all carry still this ancient sea with us as our body f luid surrounding our cells.

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