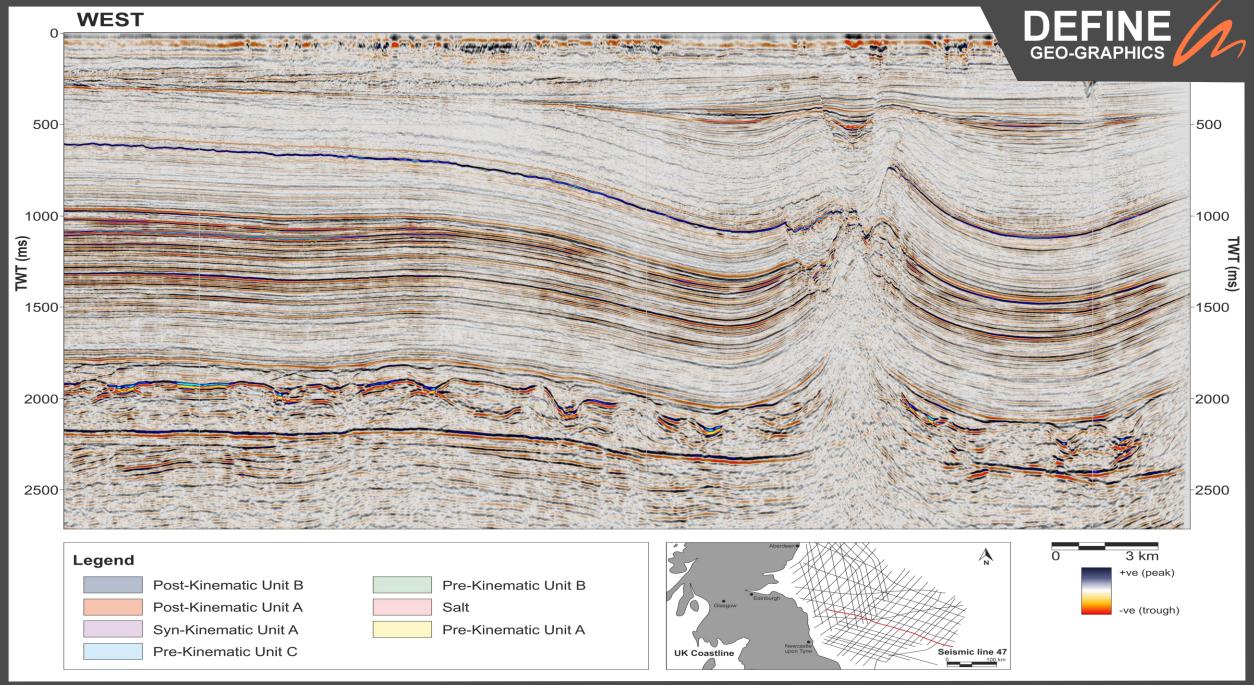
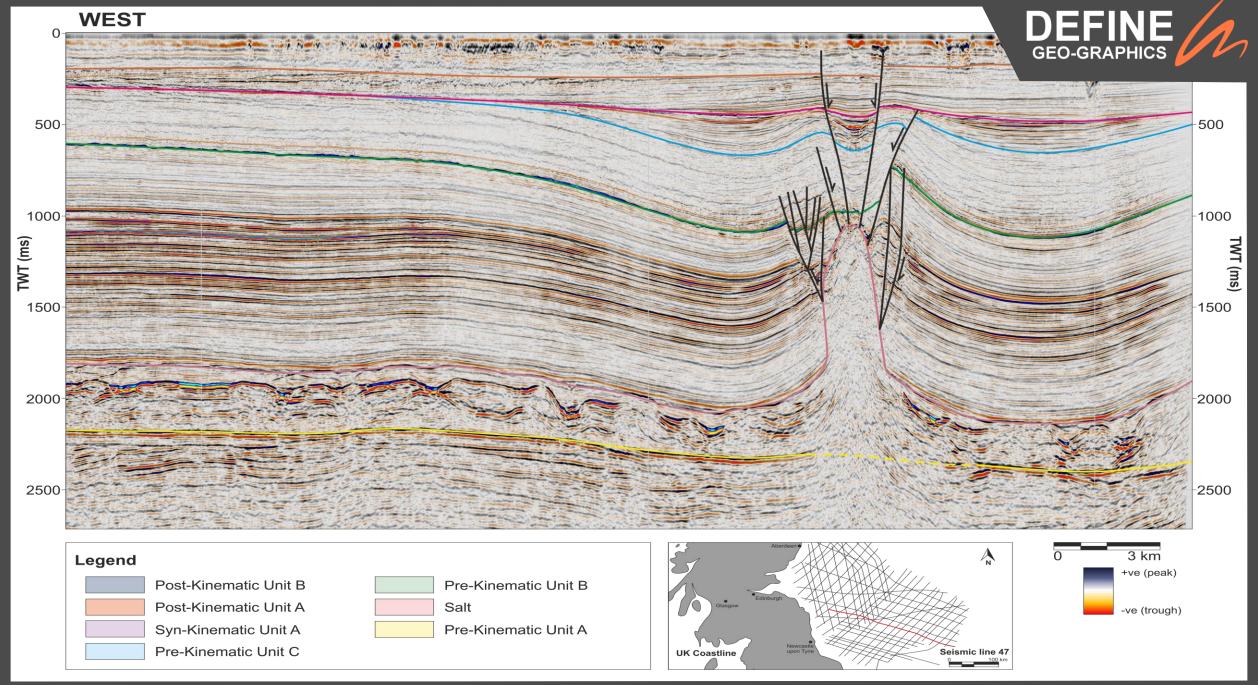


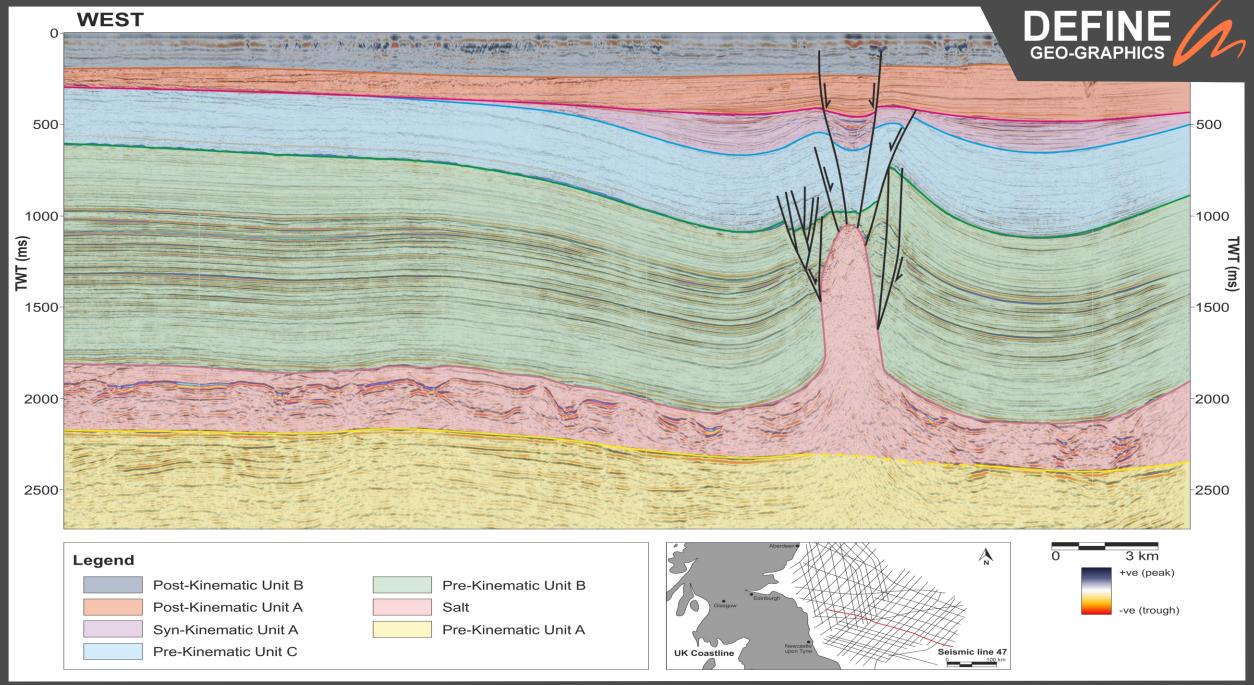


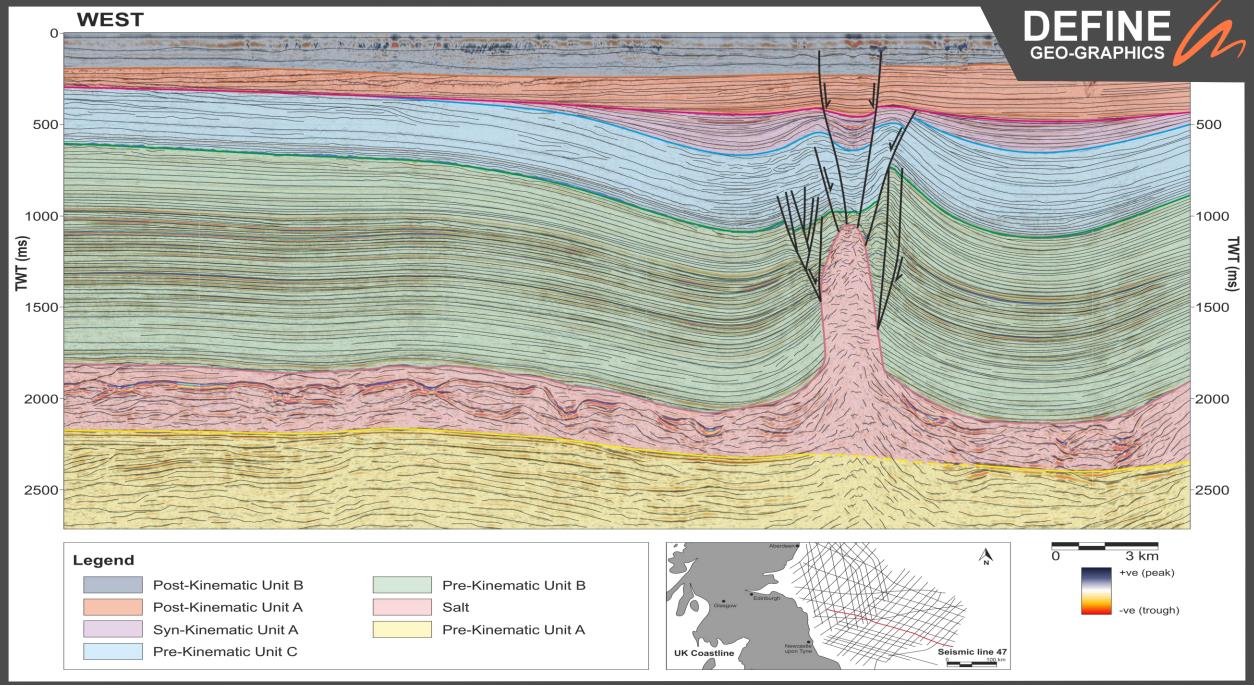
# **Geo-seismic Sections**

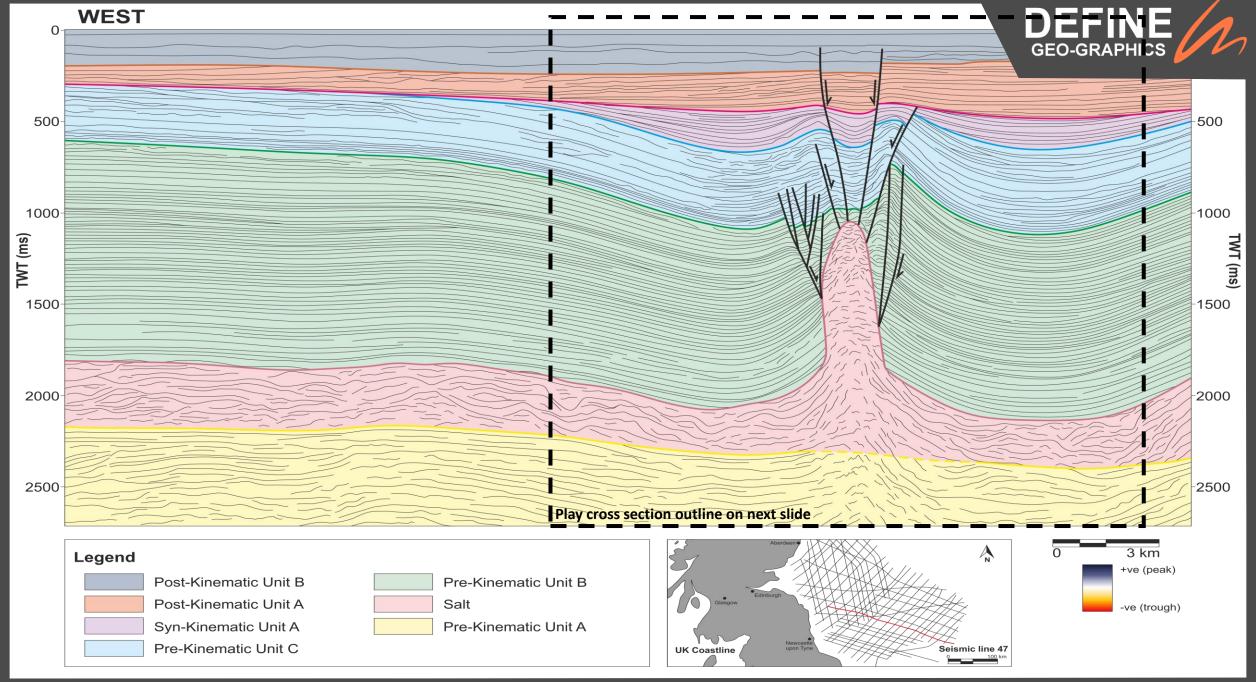
Unlock your seismic data

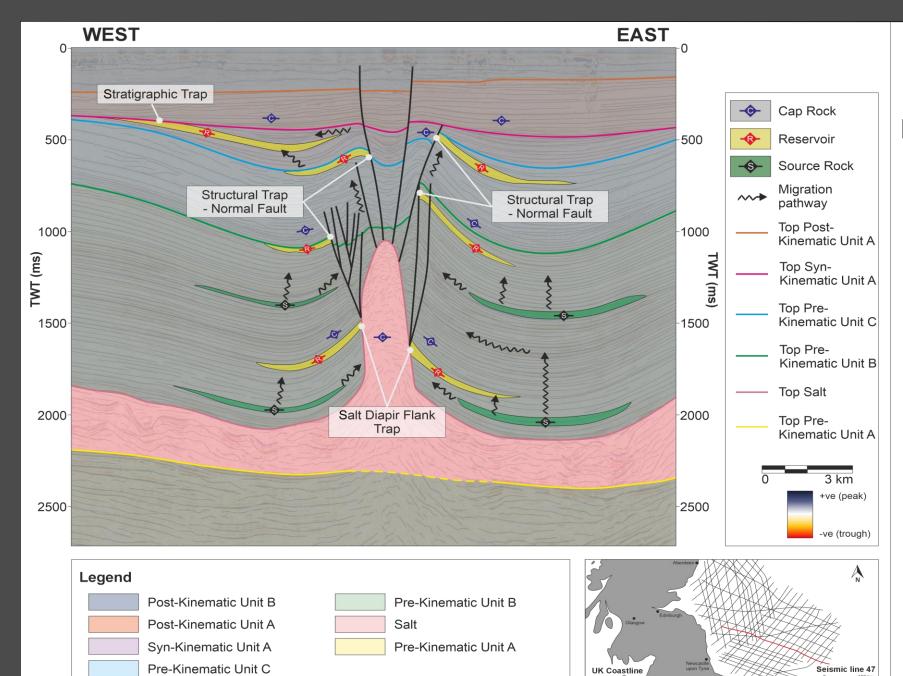








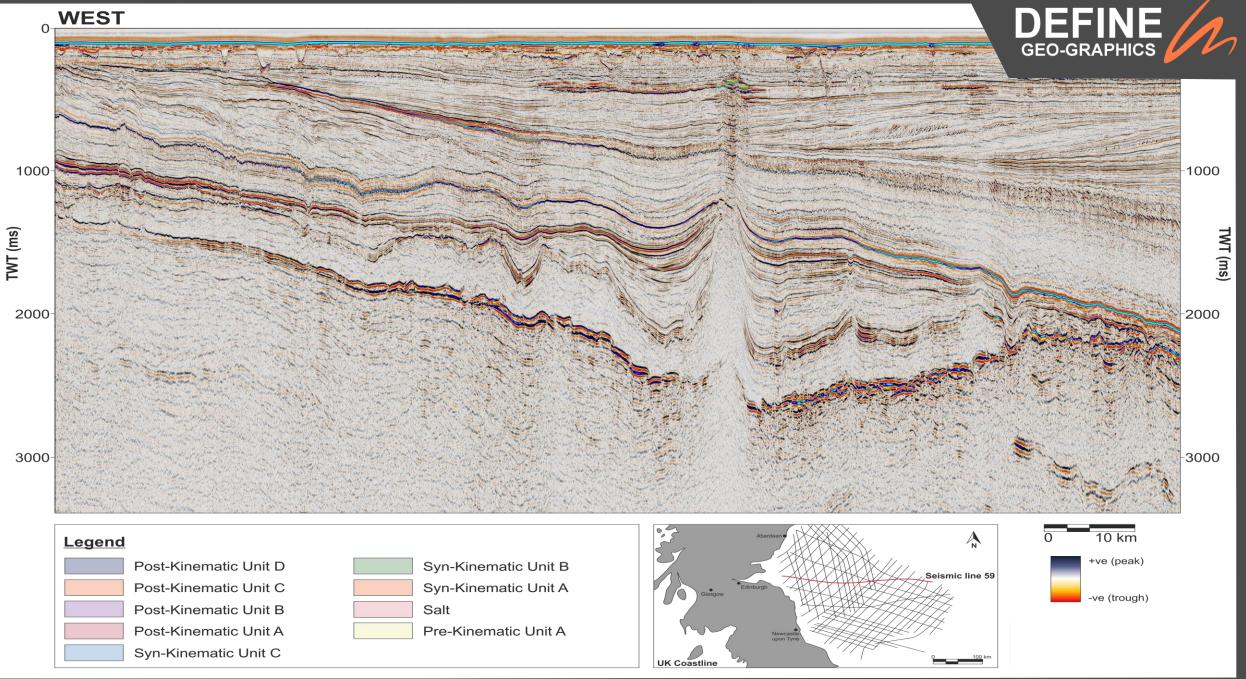


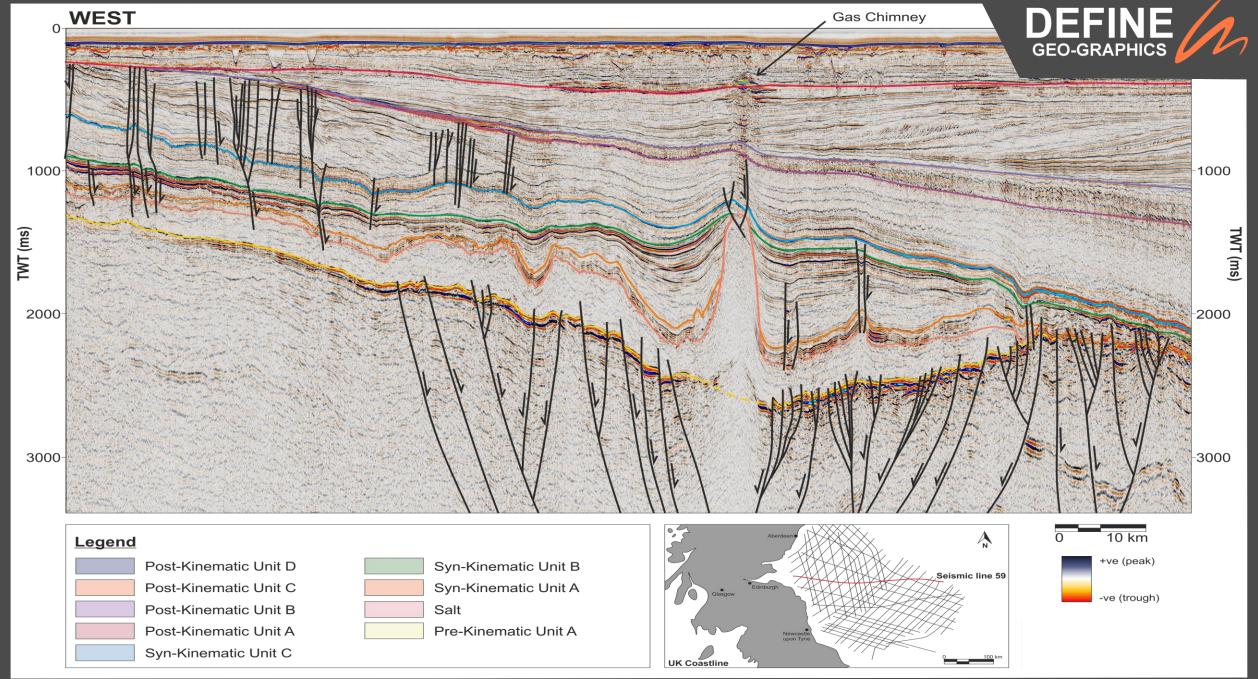


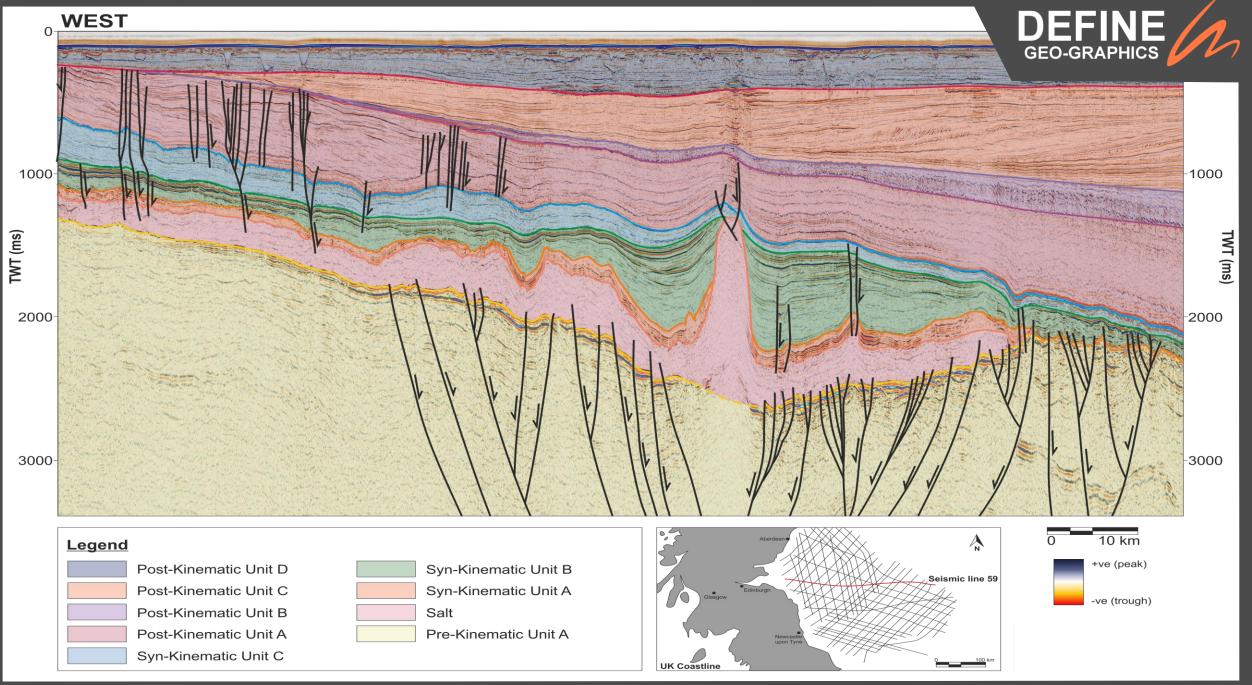


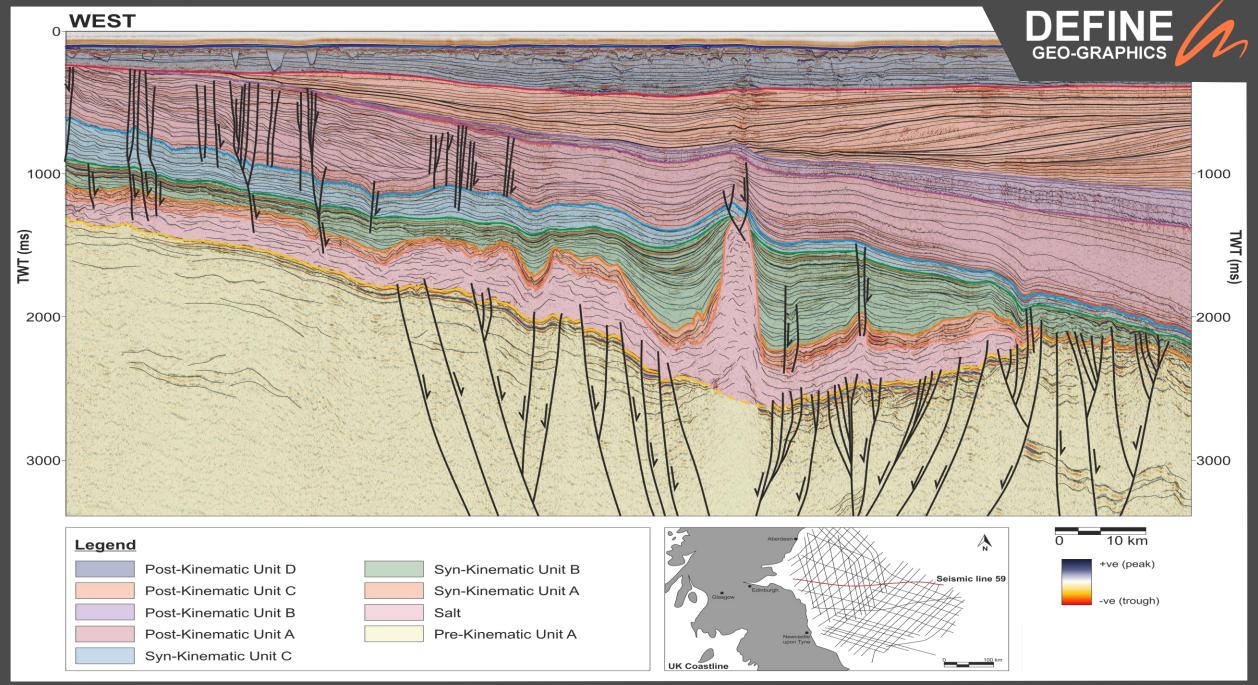
#### **PLAY CROSS-SECTION**

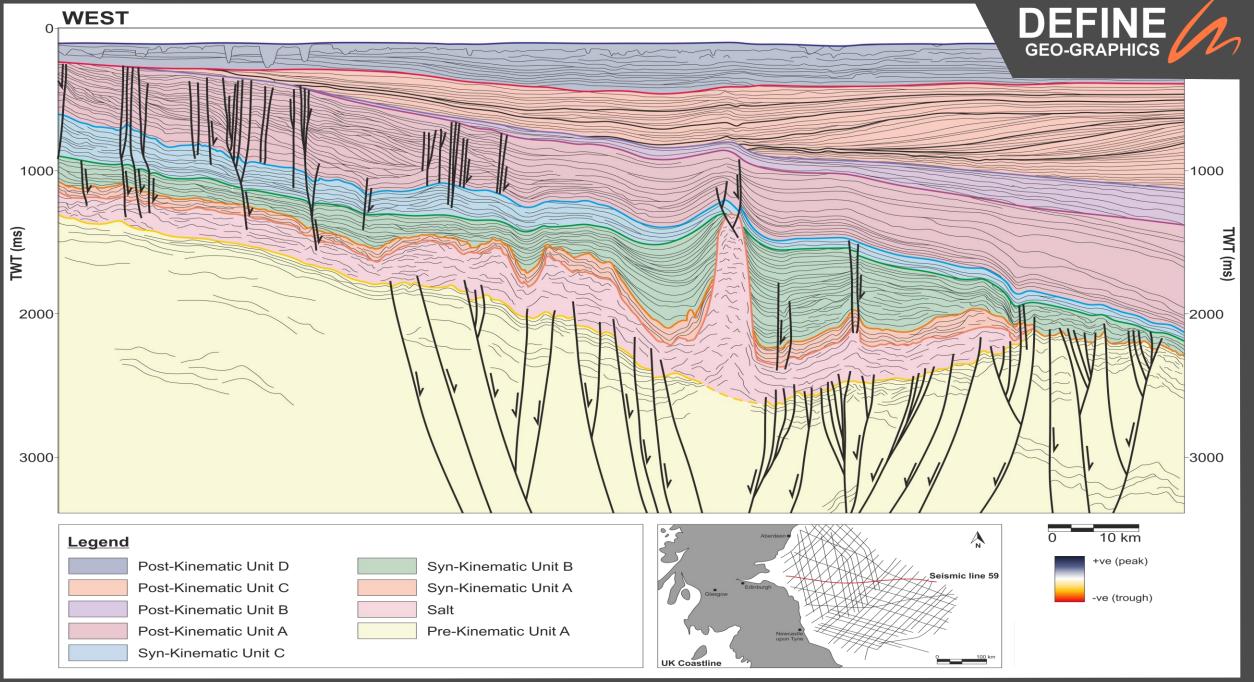
- Realistic play cross sections
- Based upon YOUR seismic data
- Perfect for farm-out flyers or technical peer review presentations

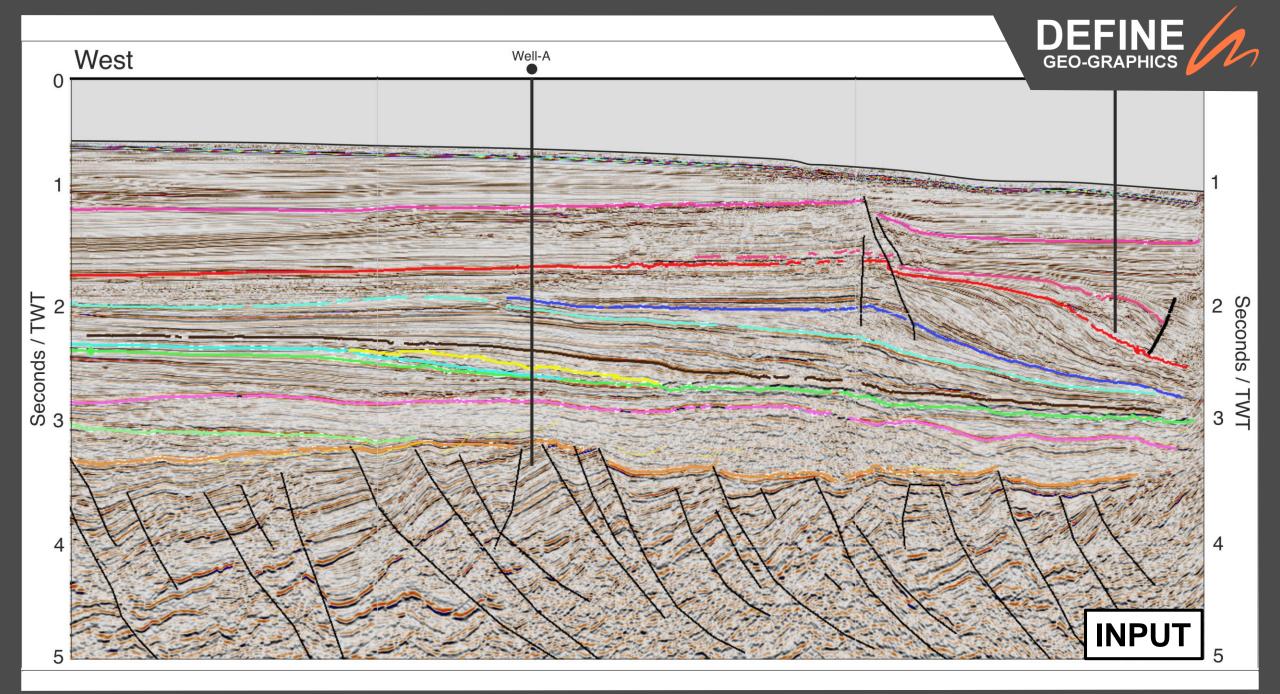


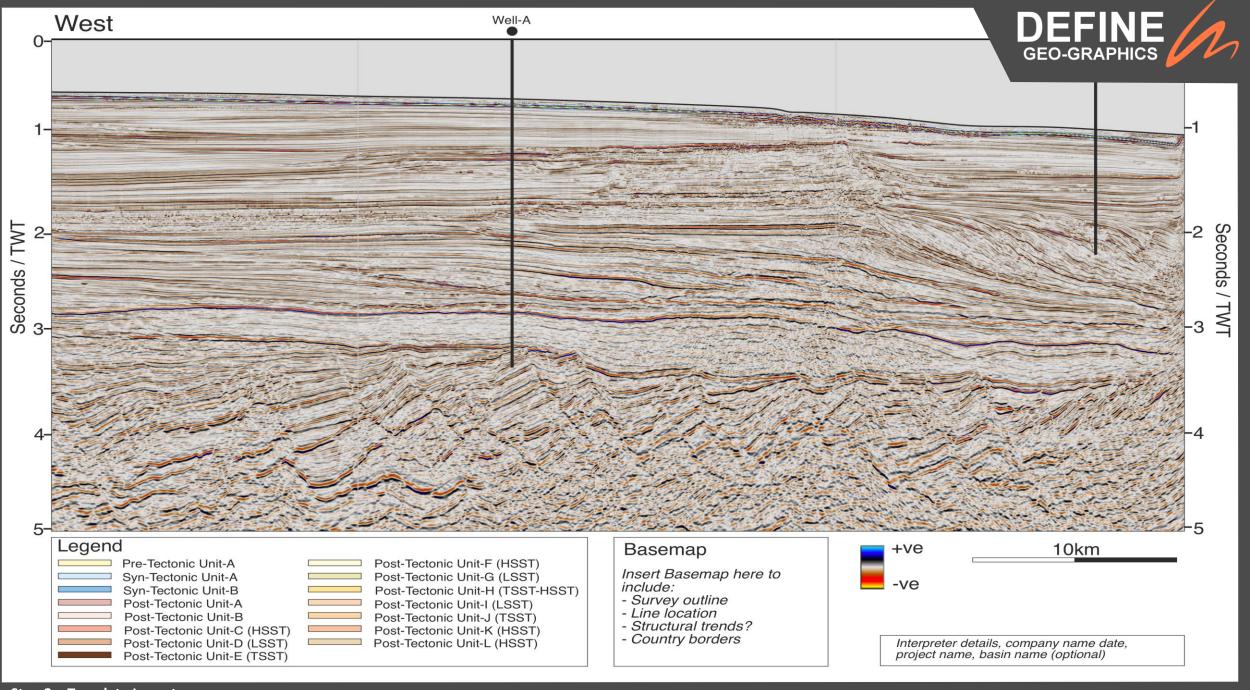


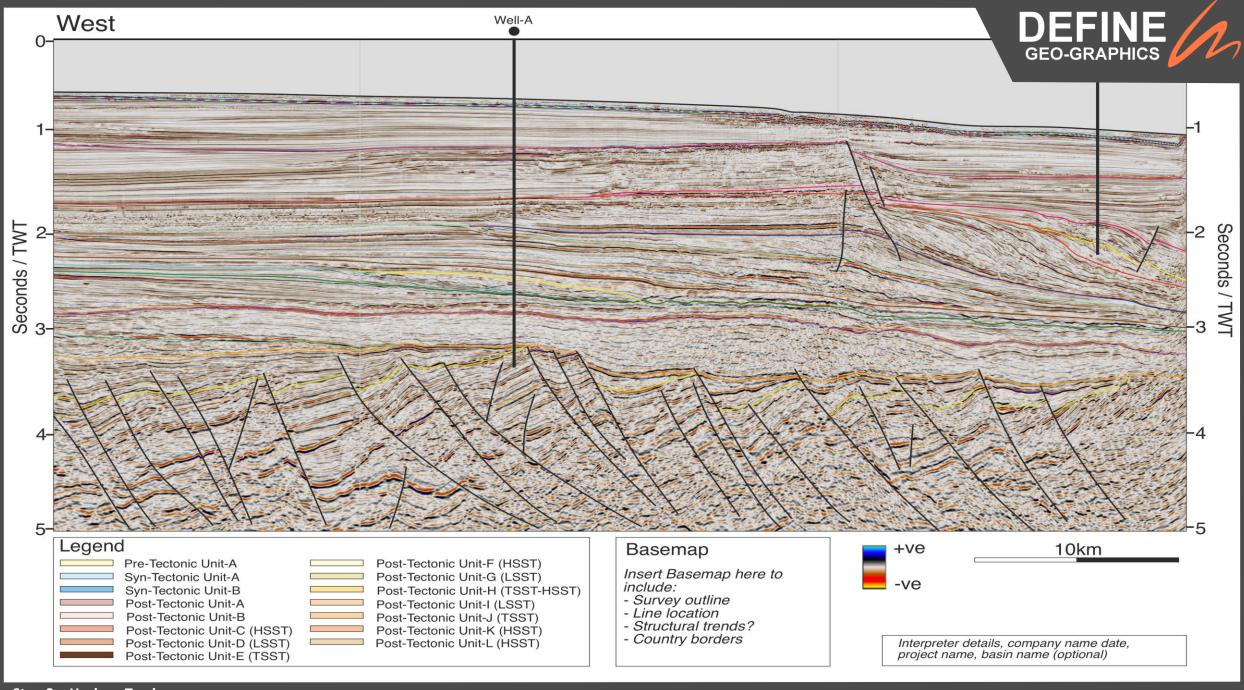


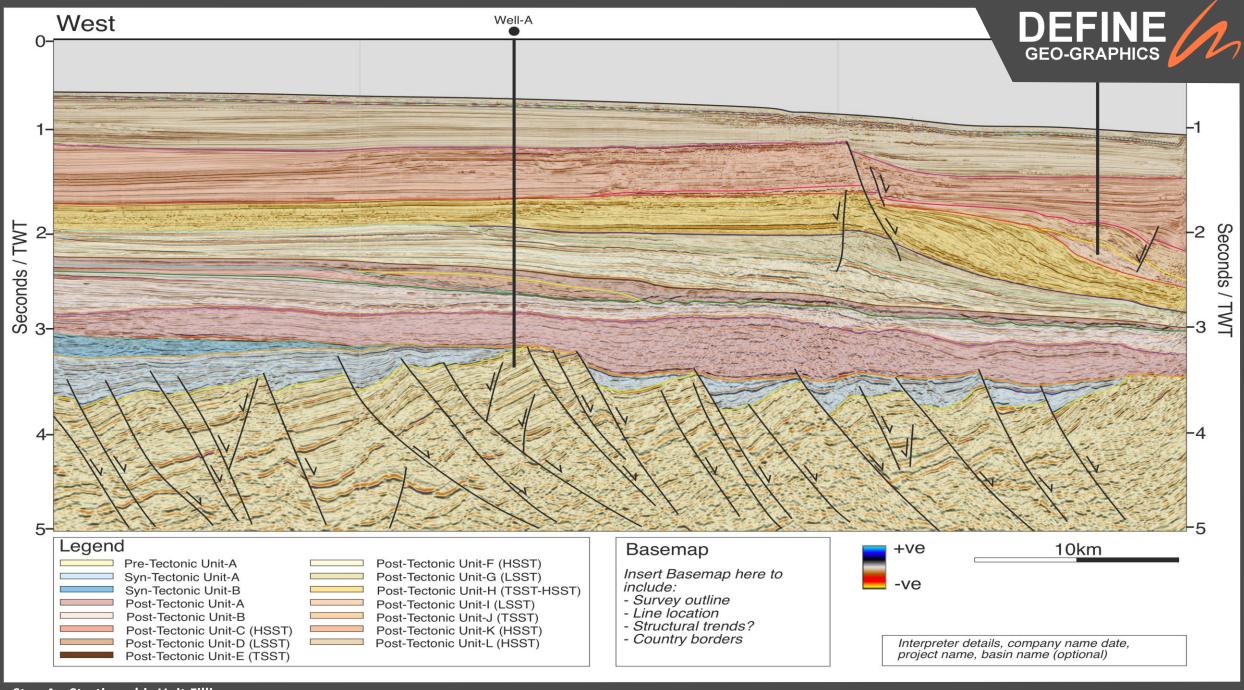


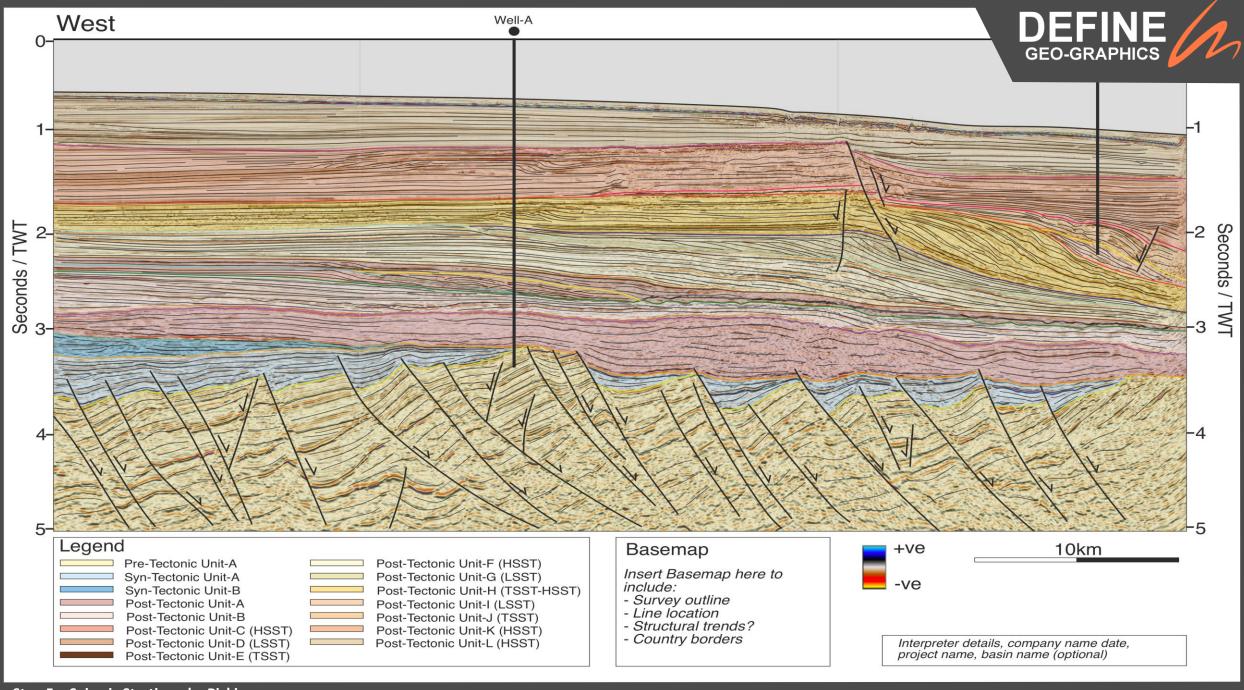


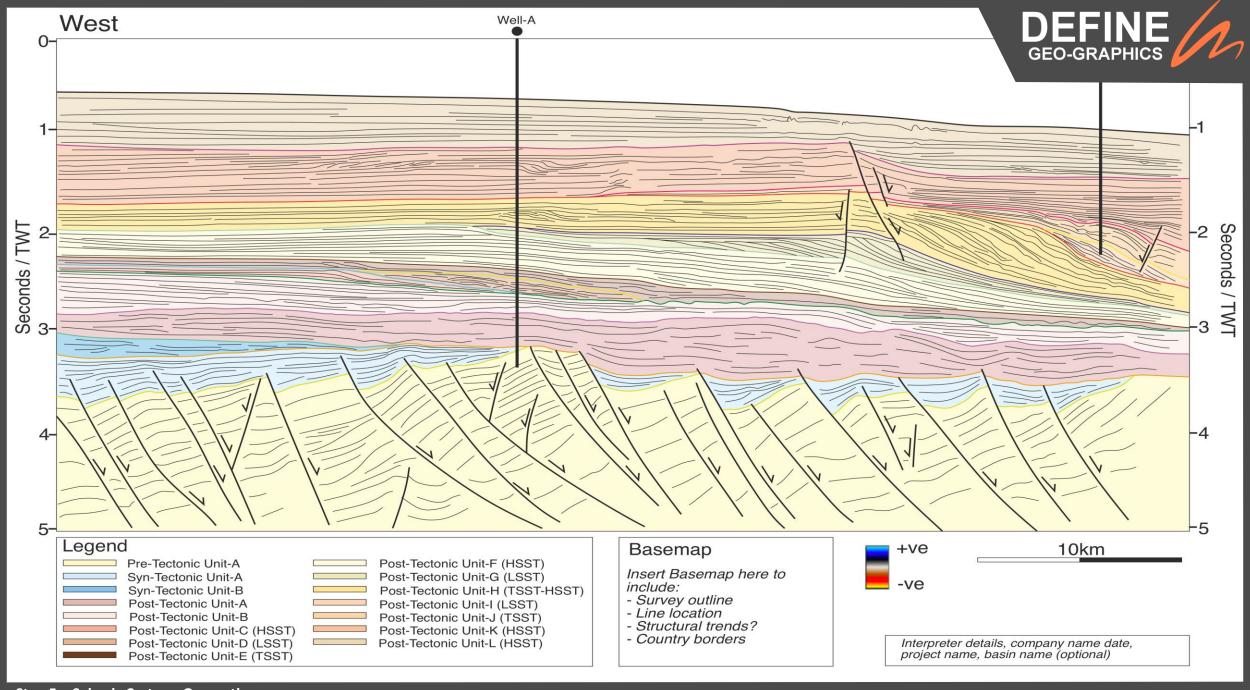














# 3D Depositional Models

**Levelling-up Communication** 

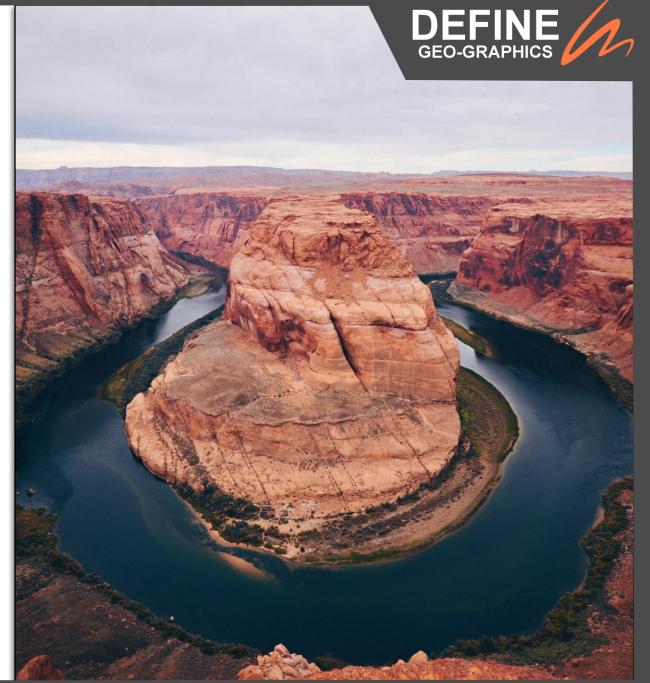
### **3D Depositional Models**

The process for producing 3D geological models will close involve interaction between he customer and our draftspeople.

#### You will provide:

- 1. A rough sketch for the vision you have for your model
- 2. An introduction to the depositional setting

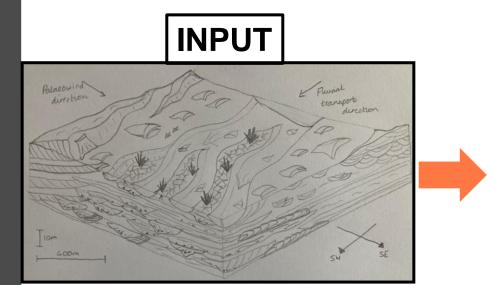
We will then bring to life your 3D geological model in a digital format.



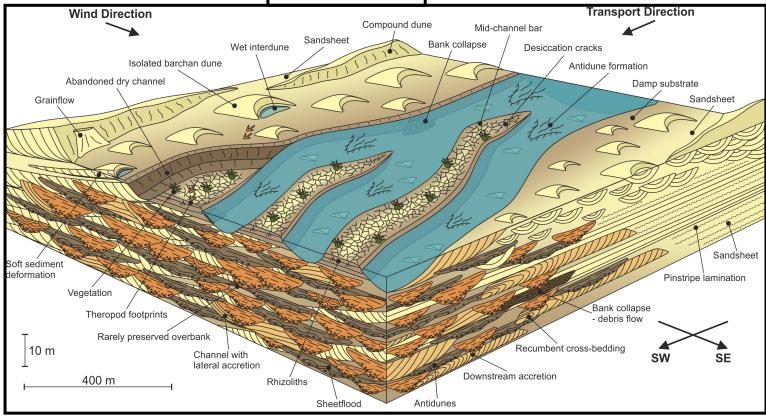
Contains information provided by the OGA

## **Ephemeral 3D Facies Model**



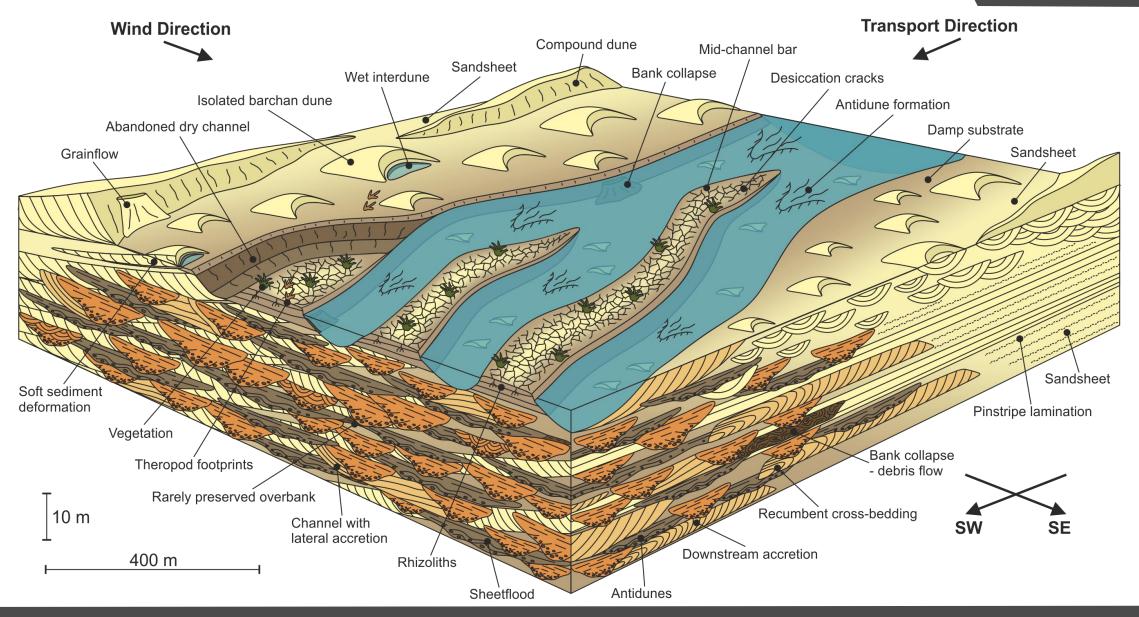


## OUTPUT

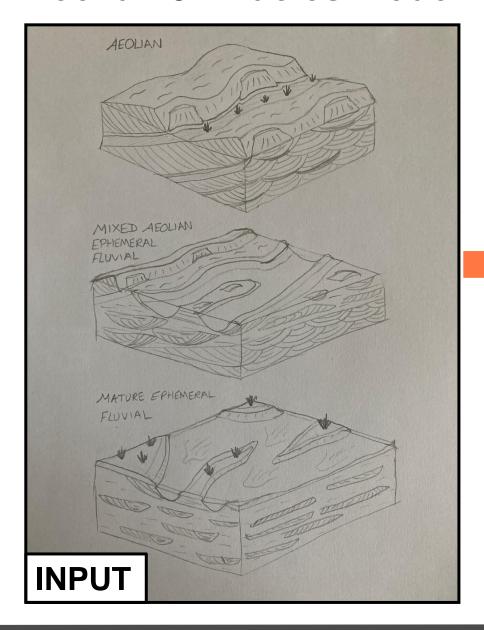


## **Ephemeral 3D Facies Model**

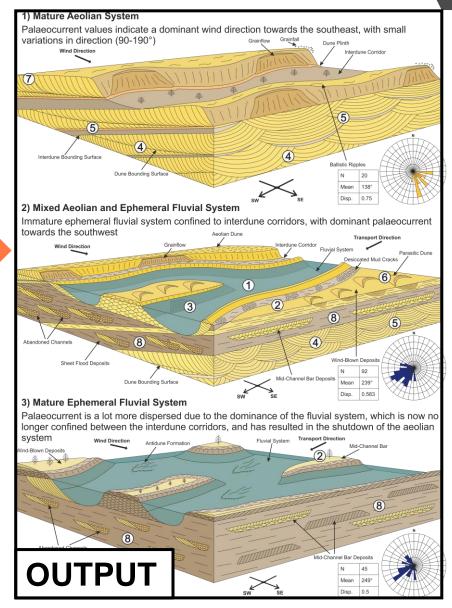




#### **Aeolian 3D Facies Model**

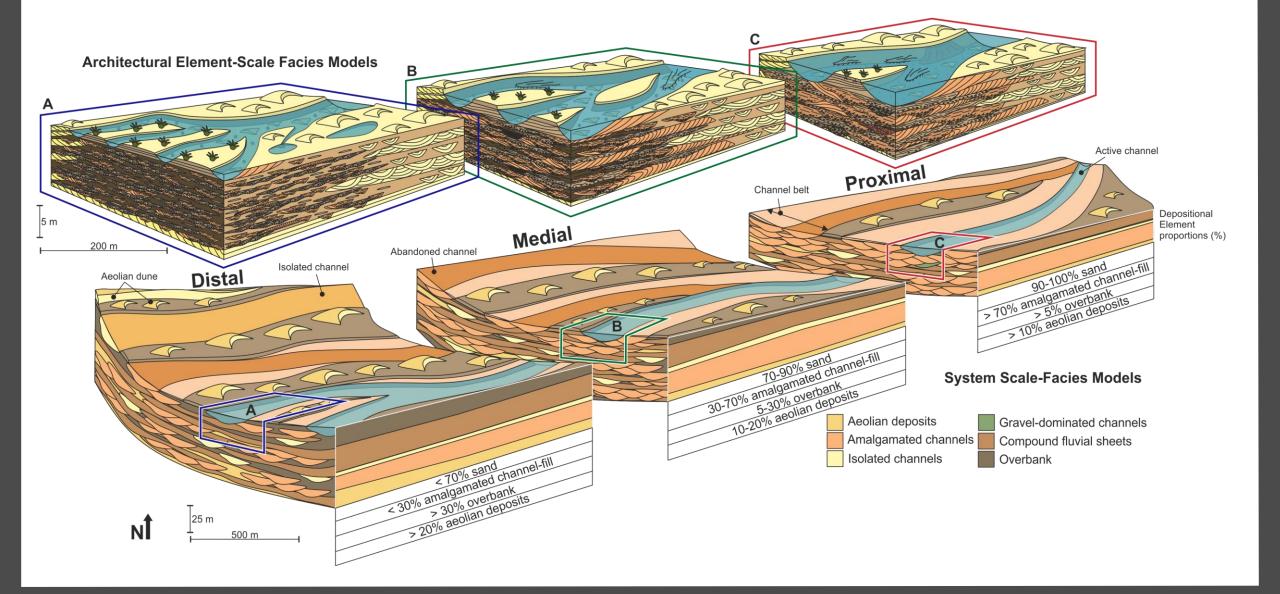


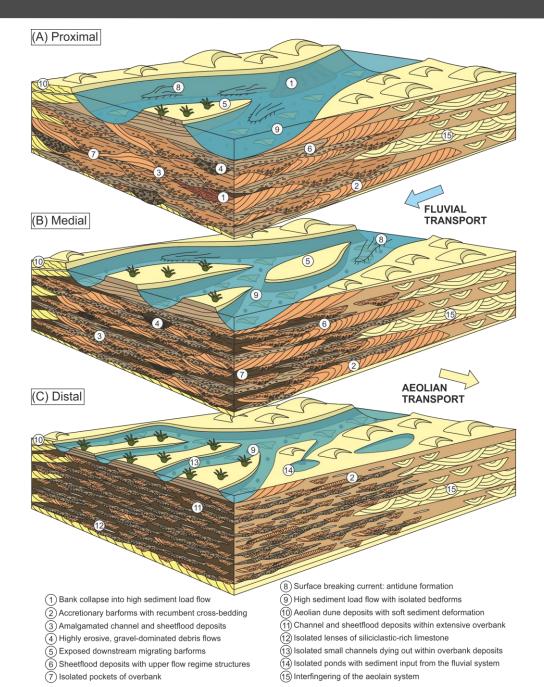






### **Element Scale Facies Models**

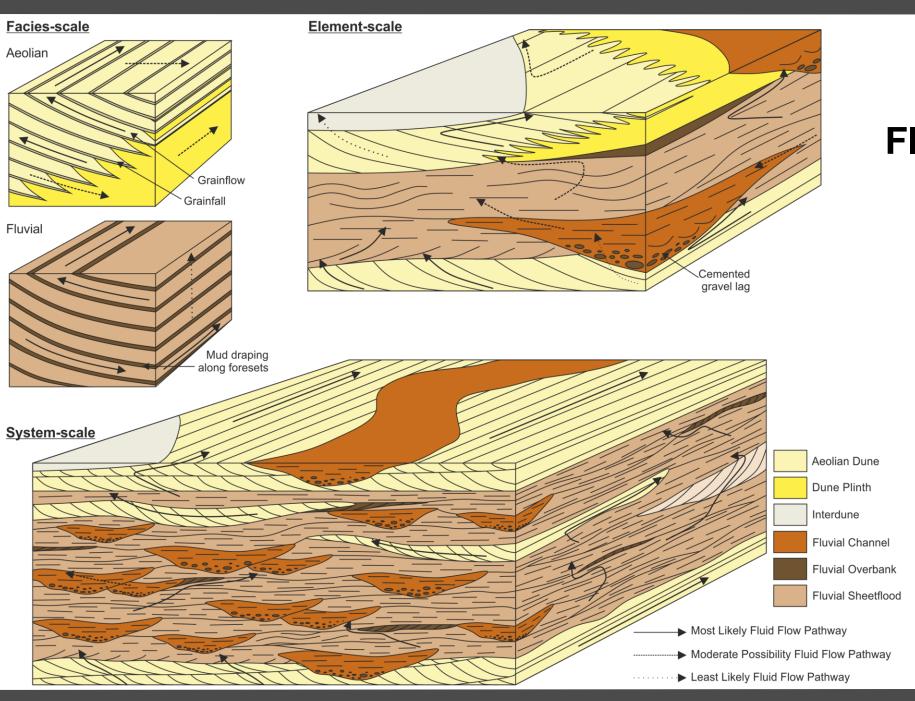






#### **Element Scale Facies Models**

Sample 3D depositional models

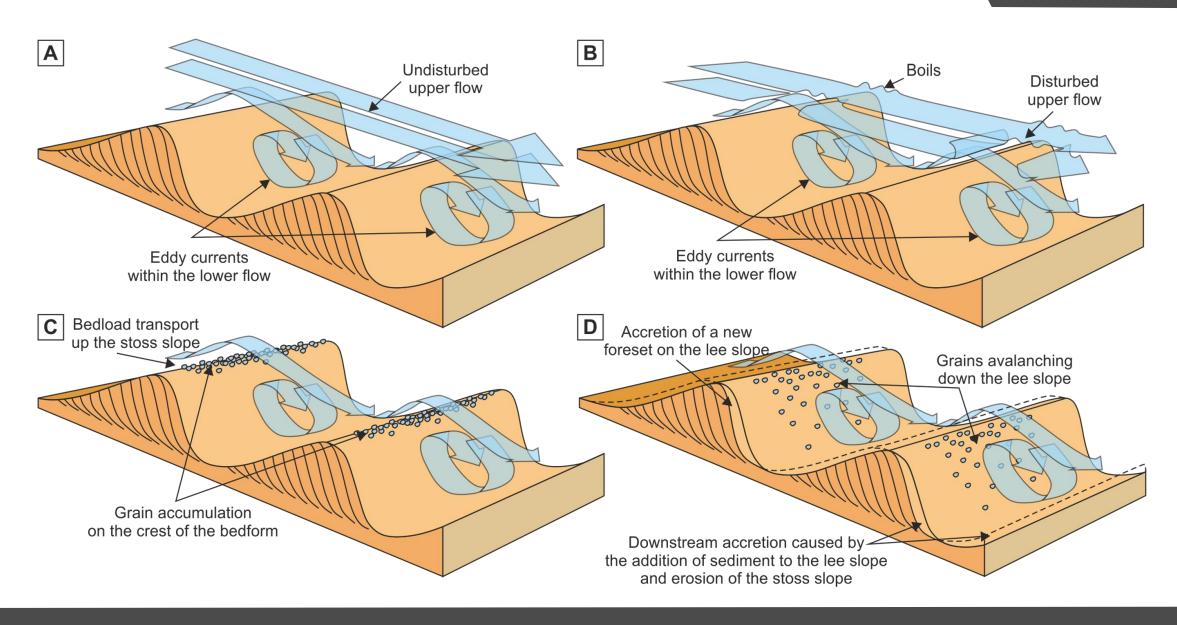




#### Fluid Flow Models

## **Geological Process Description - Bedform Migration**





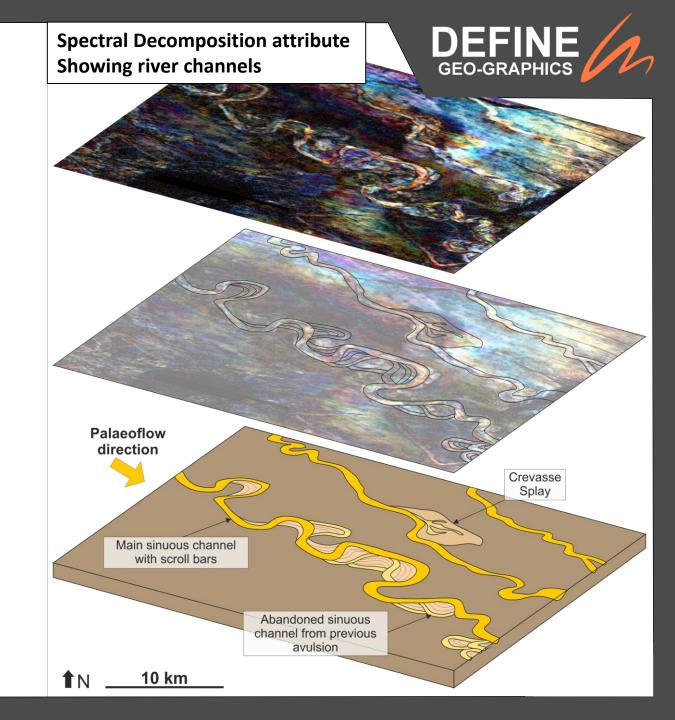


# Seismic Attributes

**Unveil Geology from Seismic** 

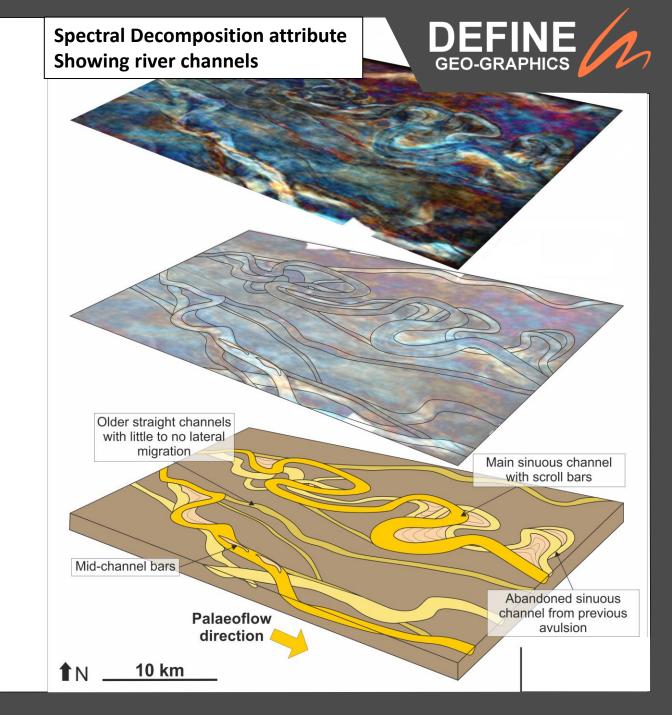
# **Uncovering Geology from Seismic Attributes**

- To a highly trained geophysicists seismic attributes reveal information about the rocks in the subsurface such as their density, frequency content, and perhaps fluid content.
- This information is not easy even for geologists to understand, let alone a non technical investor or member of the upper management without a subsurface background.
- Therefore, clear geological interpretation of geophysical features is of paramount importance to ensure that their full impact is realised.



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# **Well Sections**

**From Core and Correlations** 

#### **Well Sections**

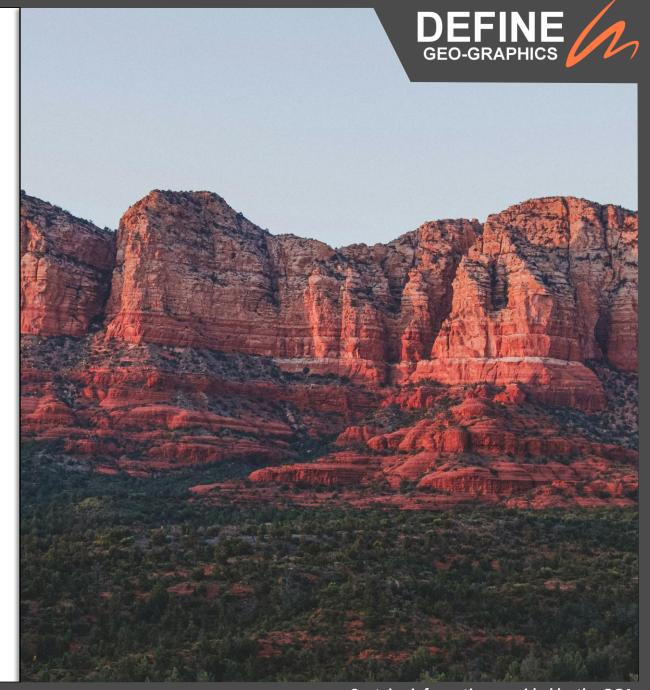
We can help to bring together the age old dichotomy between drilling and subsurface teams.

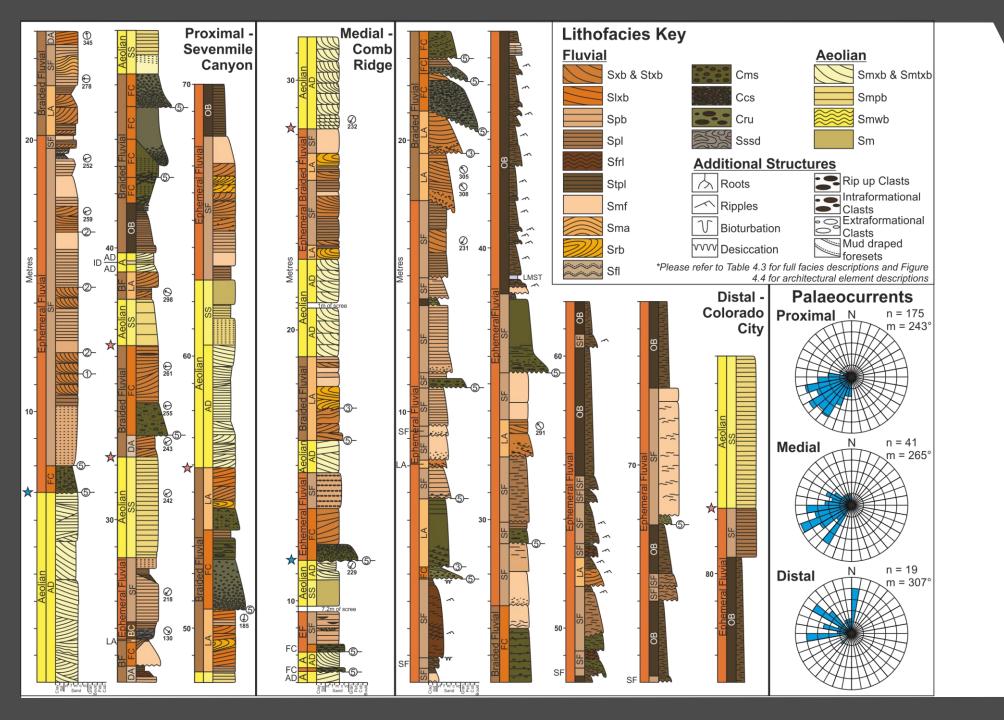
Communication between drilling and subsurface is possibly the most important chain within an organisations armour and our graphics can significantly reduce the drain on resources that poor communication exacerbates.

With our well sections, we can promise clear, concise information to make sure your drilling teams can instantly understand key information such as, well design, formation evaluation and prognosed facies.

We also offer core log digitization services which lock in the work for the ages, ensuring that future geoscientists can easily understand prior work.

These sections also work perfectly for publications as well as conference presentations.









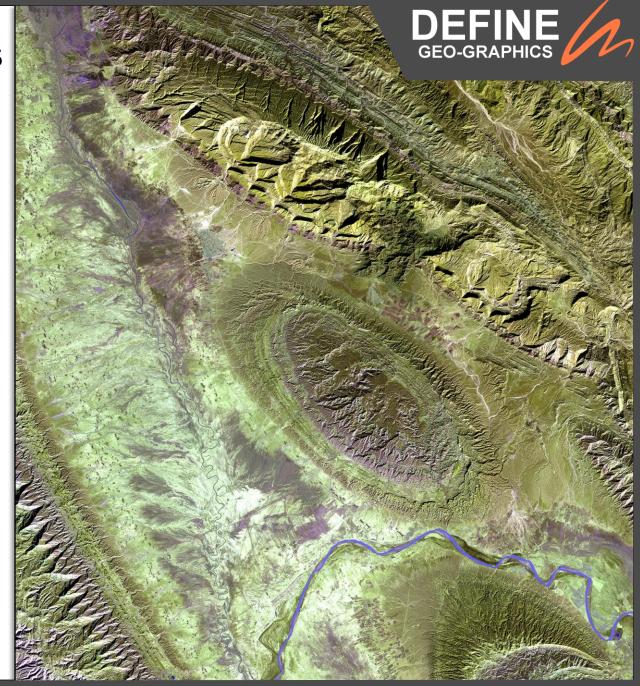
# Structural/GIS Basemaps

**Prospect Scale Displays** 

## **Basemaps and Prospect Displays**

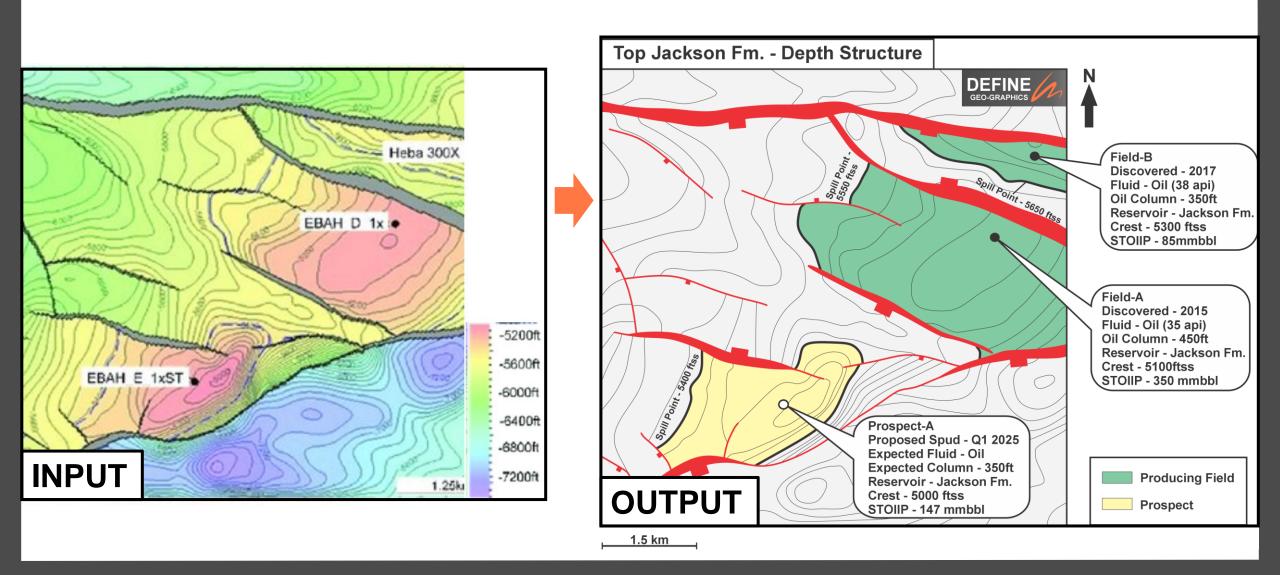
Nothing enables a prospective investor focus on the key information in an opportunity like a well drafted and clear basemap.

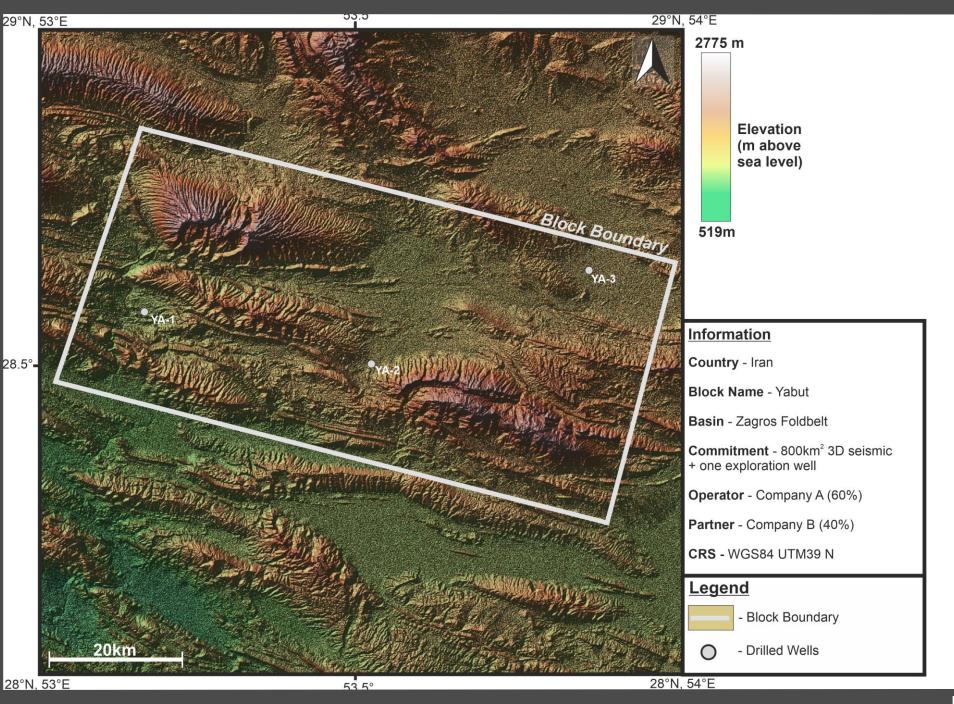
Our basemaps can help to streamline communication between your subsurface team and the outside world.



#### **Prospect Map Displays**

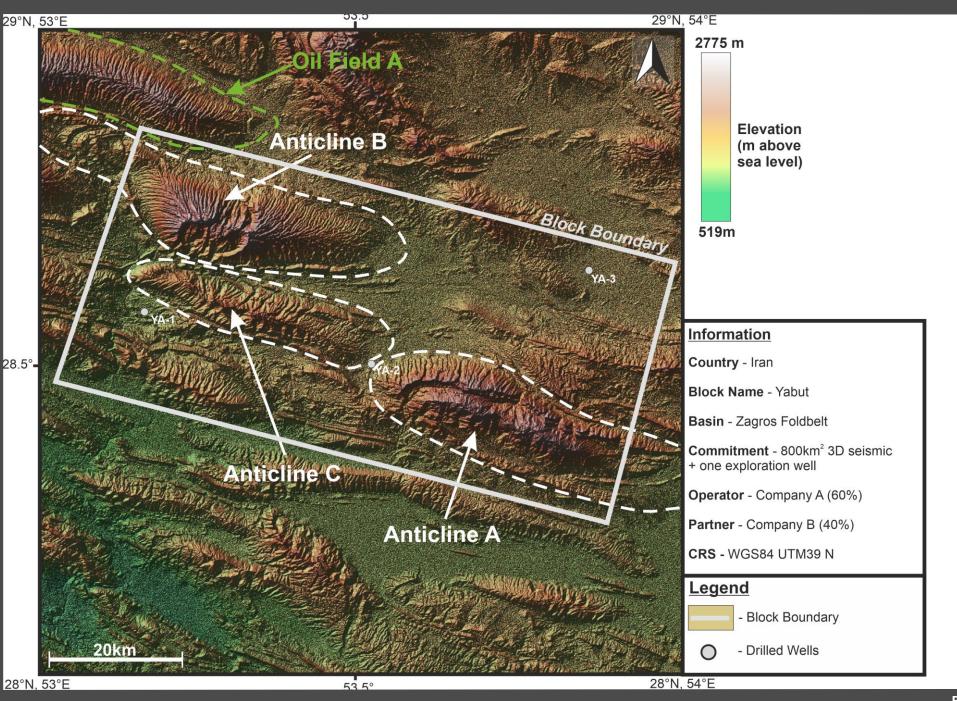






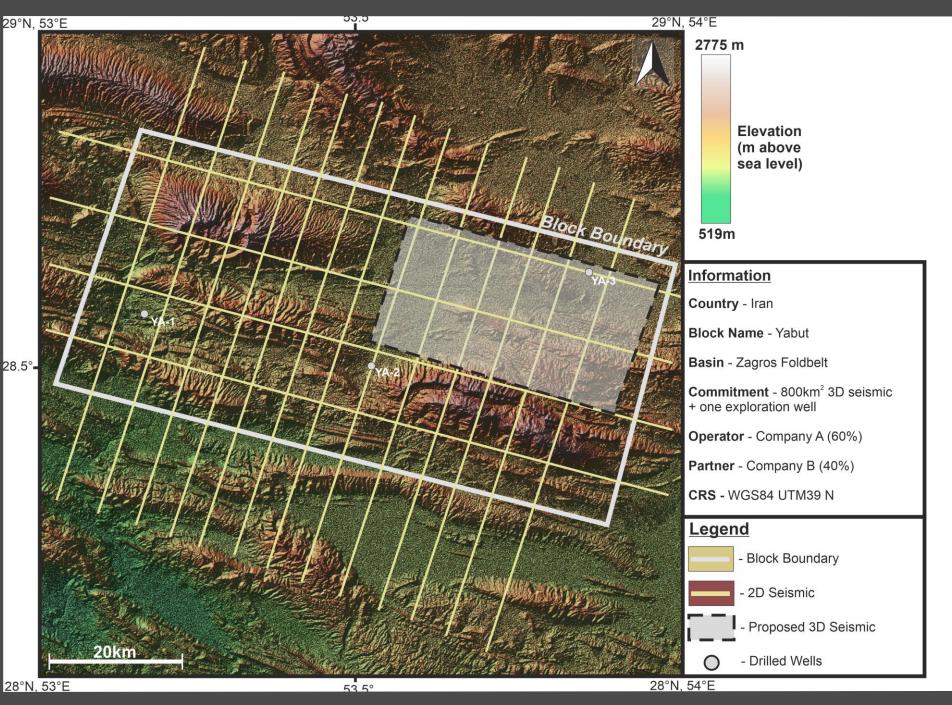


#### Basemap Iran, Block





#### Basemap Iran, Block & Structures





#### Basemap Iran, Block & Dataset



### **Outcrop Interpretation**

From Outcrop to Subsurface

#### **Outcrop Interpretation**

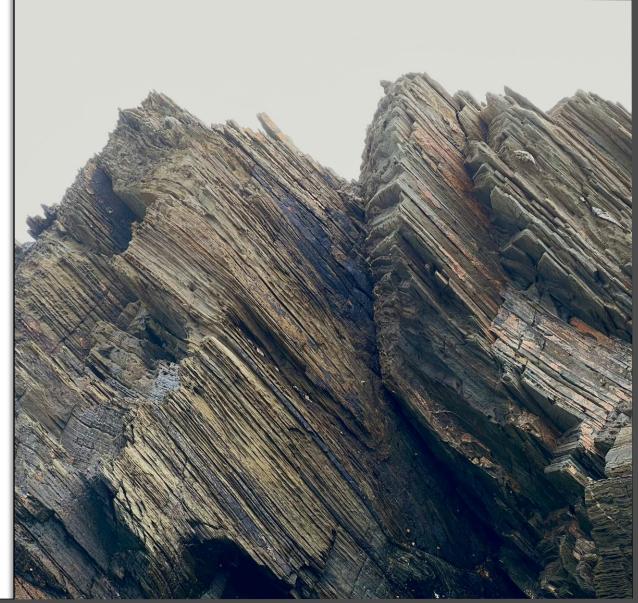
Our favourite, outcrop interpretation!

Outcrops are where geology was first conceptualized, where every geologist feels most at home, and we are no exception to this rule! We believe that outcrops are the most powerful tool to communicate subsurface issues with any stakeholder!

Our outcrop interpretations have been used for countless purposes by our customers but to name a few, they have aided the understanding of:

- Wireline log response and conceptualization.
- Structural complexities encountered while drilling.
- Seismic response and resolving structure below seismic resolution.
- Log response from LWD in horizontal wells
- Reservoir architecture in clastic/carbonate reservoirs.



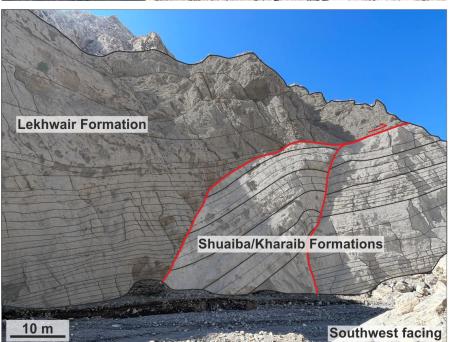


Contains information provided by the OGA

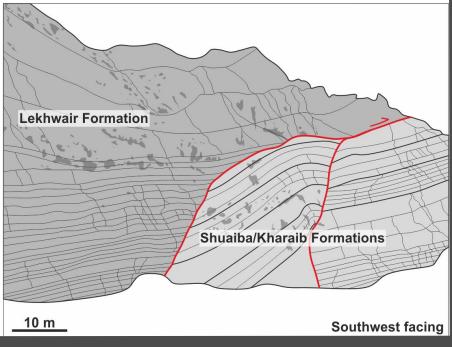
Structural deformation in a carbonate thrust belt.

Ras al Khaimah, United Arab Emirates



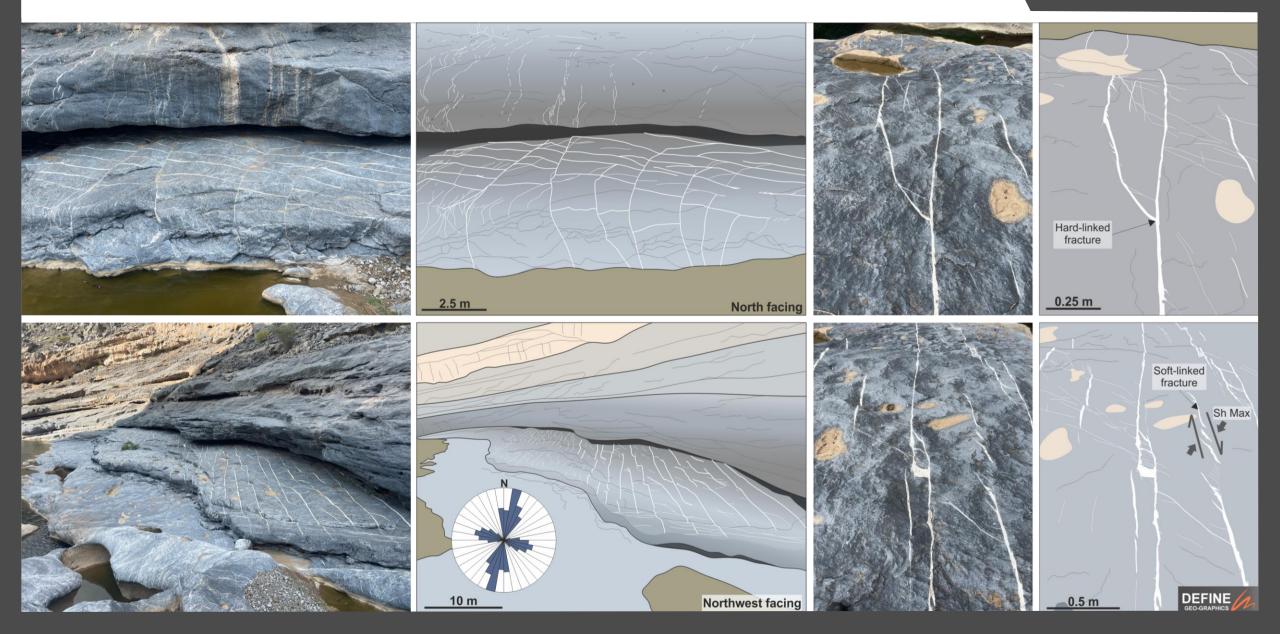






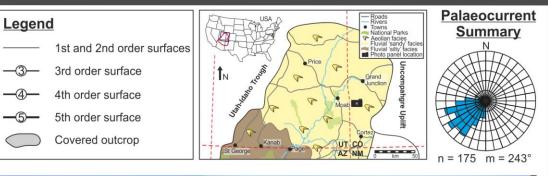
#### Fractures Carbonates – Wadi Damm, Oman





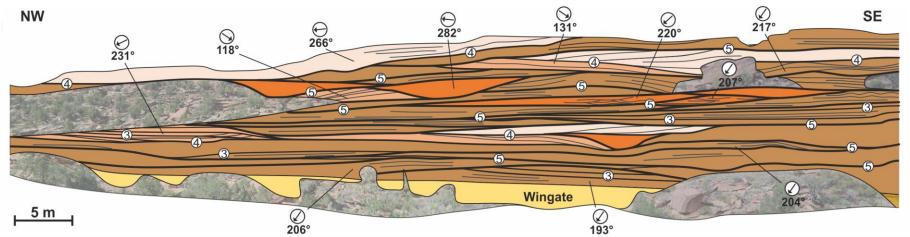
# Architectural Elements Aeolian Dune; includes facies Smxb, Smtxb, Smpb, Smwb Fluvial Channel; includes facies Cms, Ccs, Sxb, Stxb, Spb, Smf Sheetflood; includes facies Cru, Spb, Sma, Smf, Sfrl Lateral Accretion; includes facies Stxb, Slxb, Srb, Sfrl

Downstream Accretion; includes facies Sxb, Slxb, Srpl, Sfrl









## **Aeolian System Proximal Setting**

Utah, USA

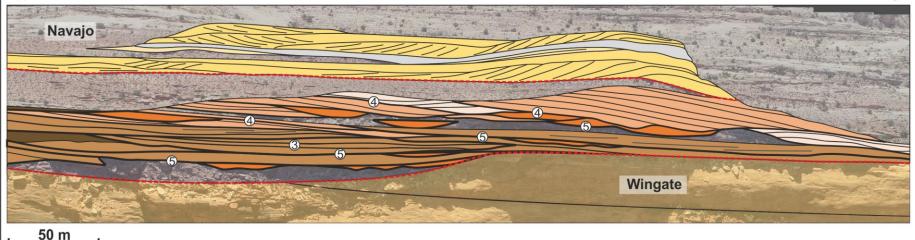
#### **Palaeocurrent Architectural Elements** Legend **Summary** Aeolian Dune; includes facies Smxb, Smtxb, Smpb, Smwb 1st and 2nd order surfaces Sandsheet; includes facies Smpb, Smwb, Sm 3rd order surface Interdune; includes facies Sm, Spl 4th order surface Fluvial Channel; includes facies Cms, Ccs, Sxb, Stxb, Spb, Smf Sheetflood; includes facies Cru, Spb, Sma, Smf, Sfrl 5th order surface Lateral Accretion; includes facies Stxb, Slxb, Srb, Sfrl Formation boundary Downstream Accretion; includes facies Sxb, Slxb, Srpl, Sfrl Covered outcrop Overbank; includes facies Spl, Stpl

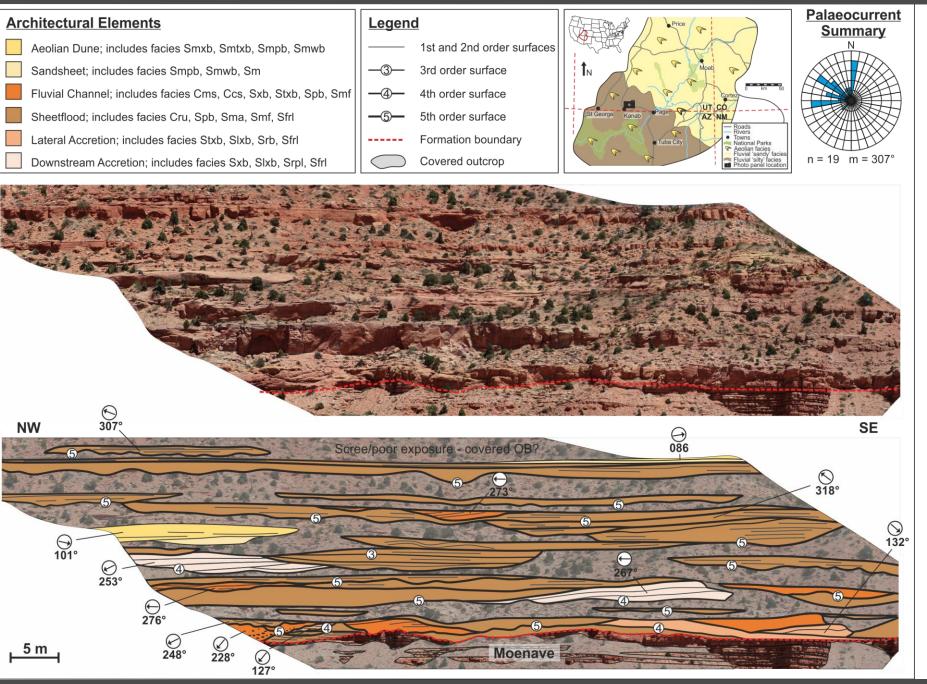




Aeolian System Medial Setting

Utah, USA

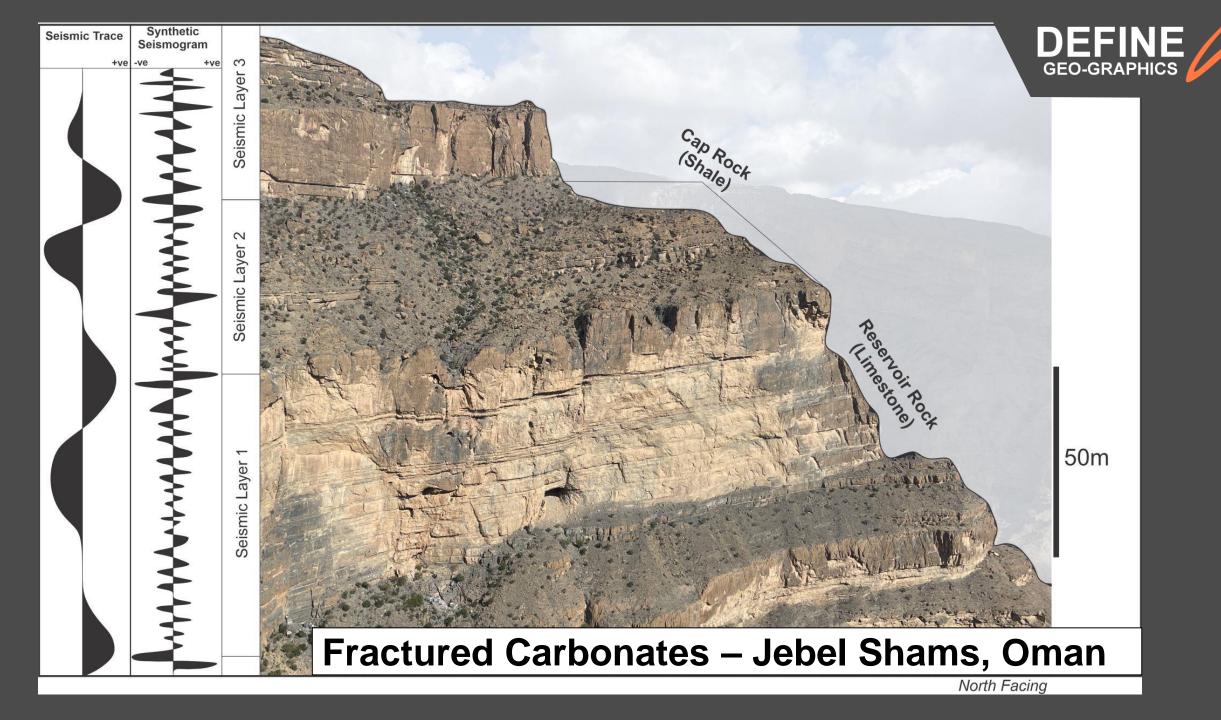


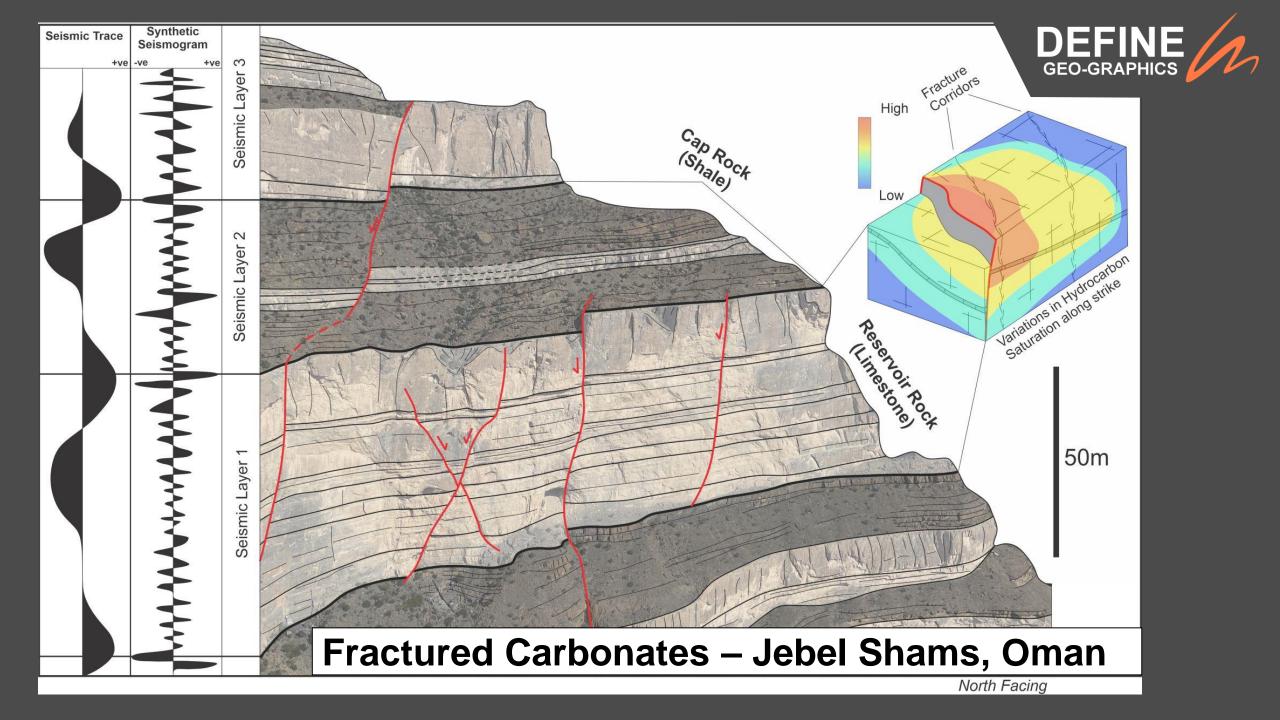


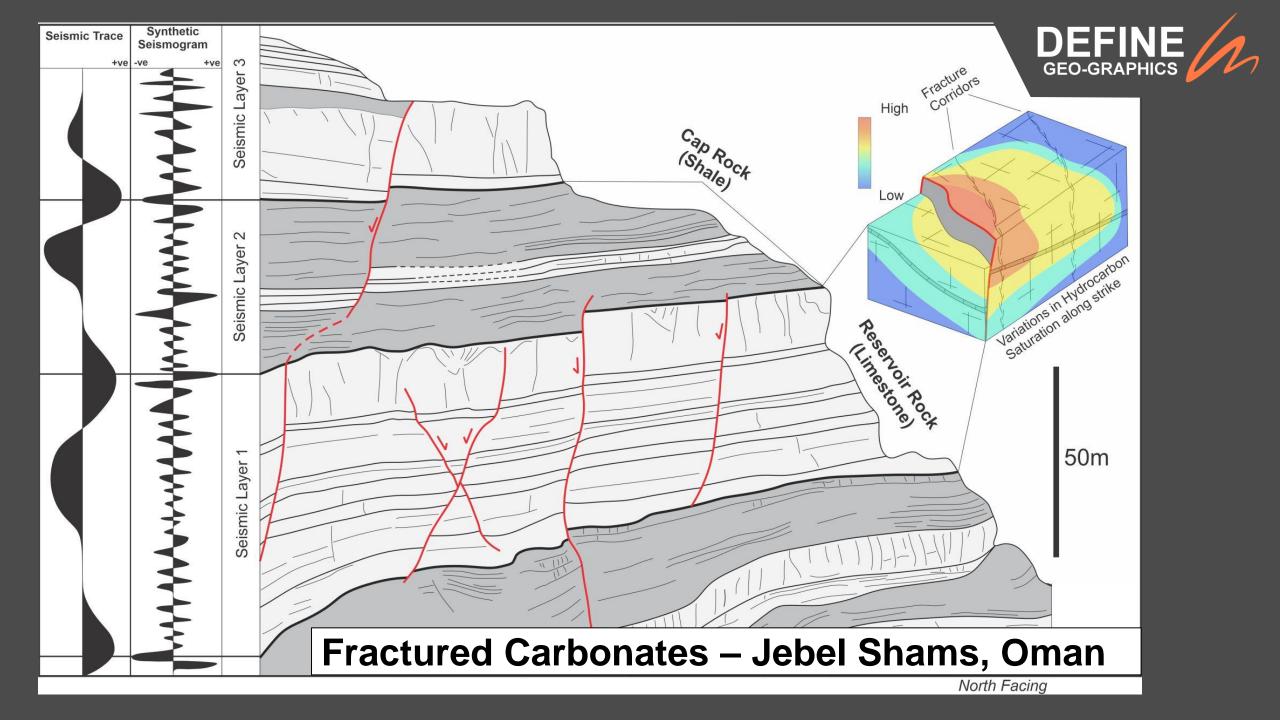


### **Aeolian System Distal Setting**

Utah, USA







#### **Precambrian Stromatolites – Duqm, Oman**



