

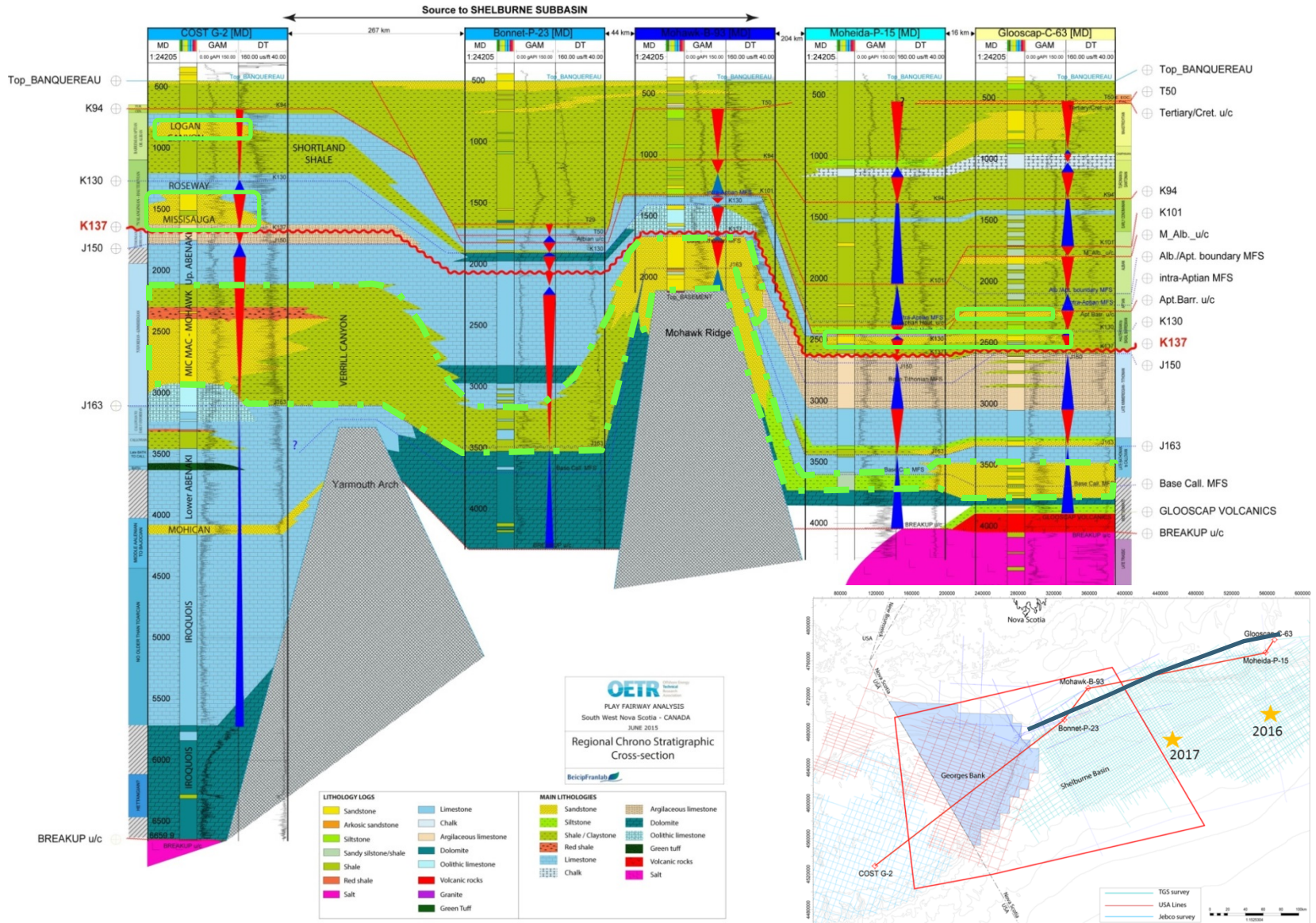


Shelburne subbasin case of study



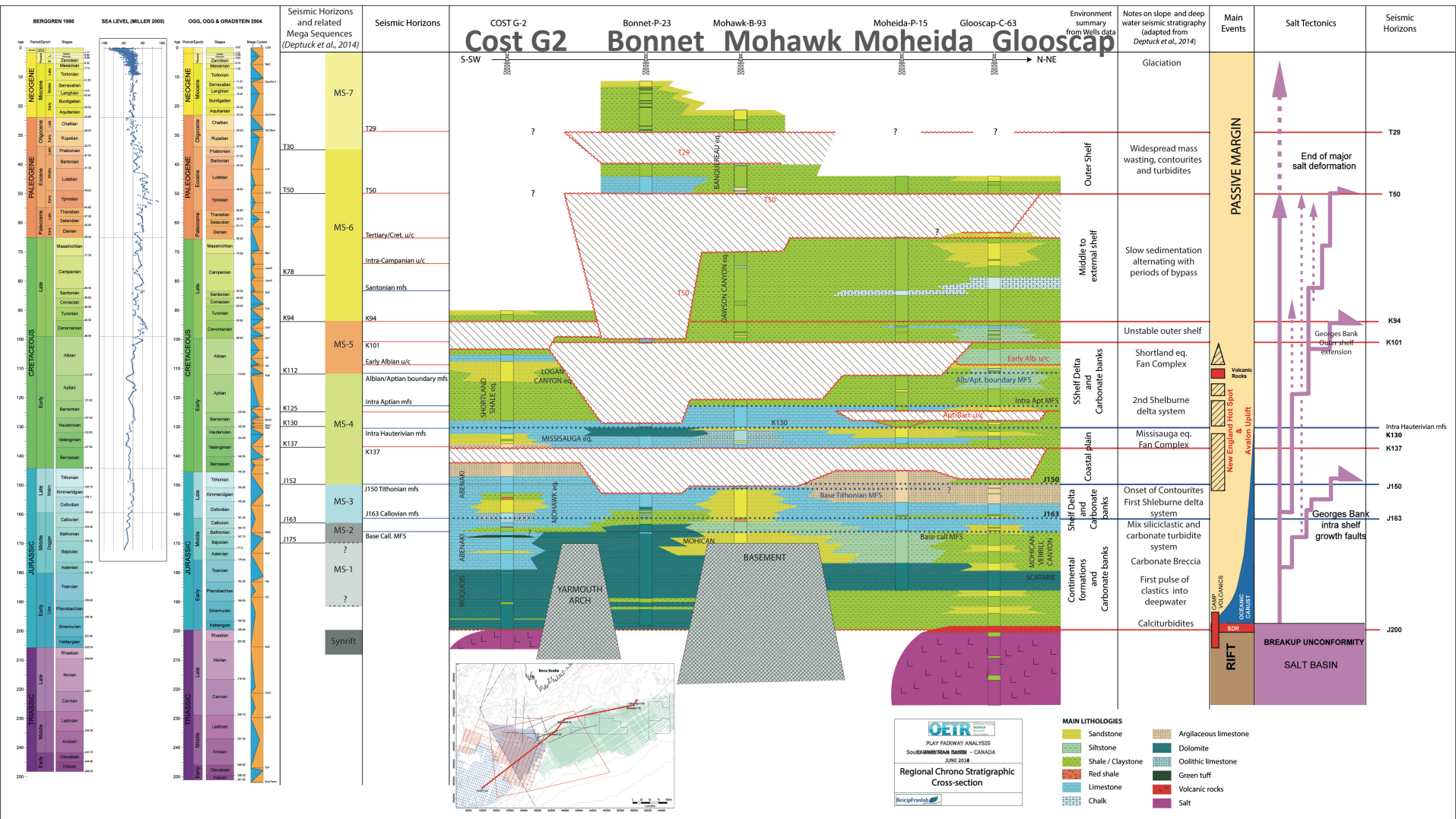


Wells correlation



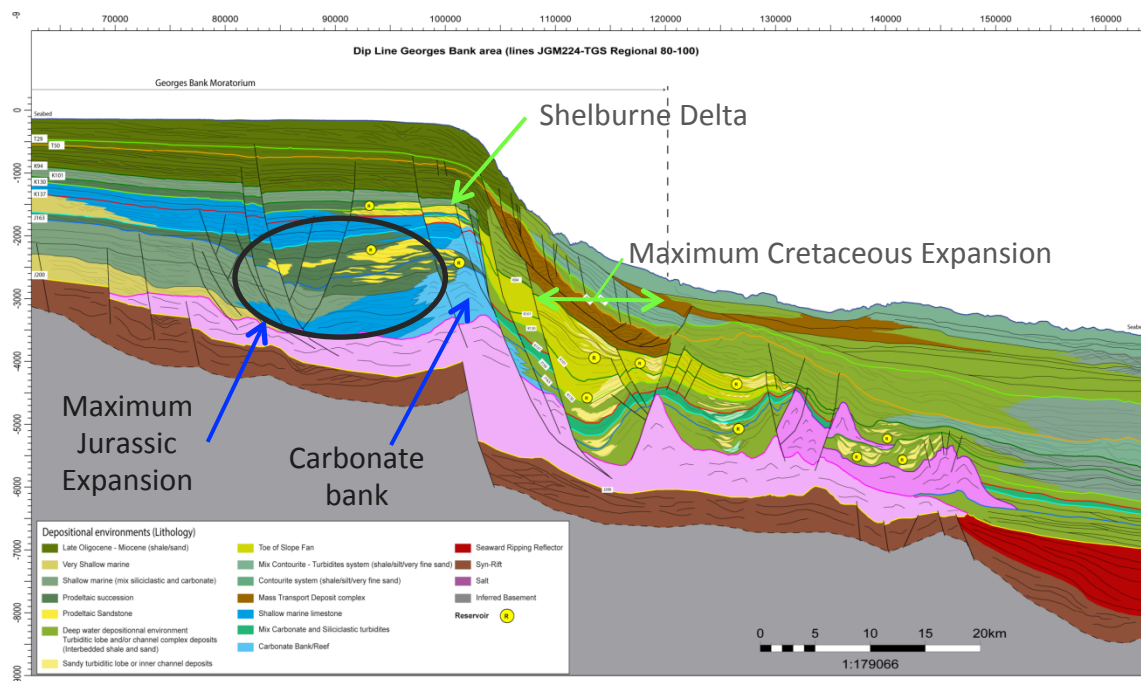
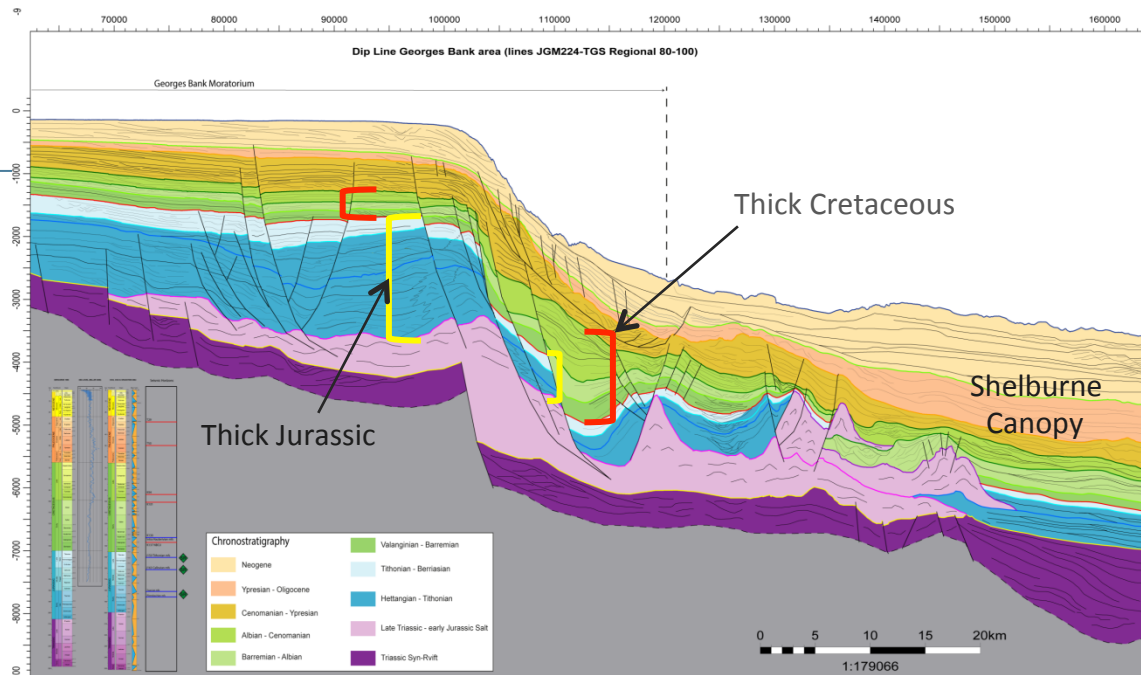
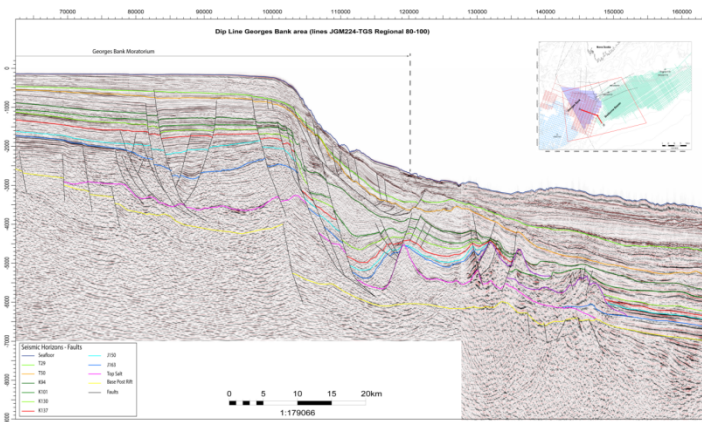


Chronostratigraphy





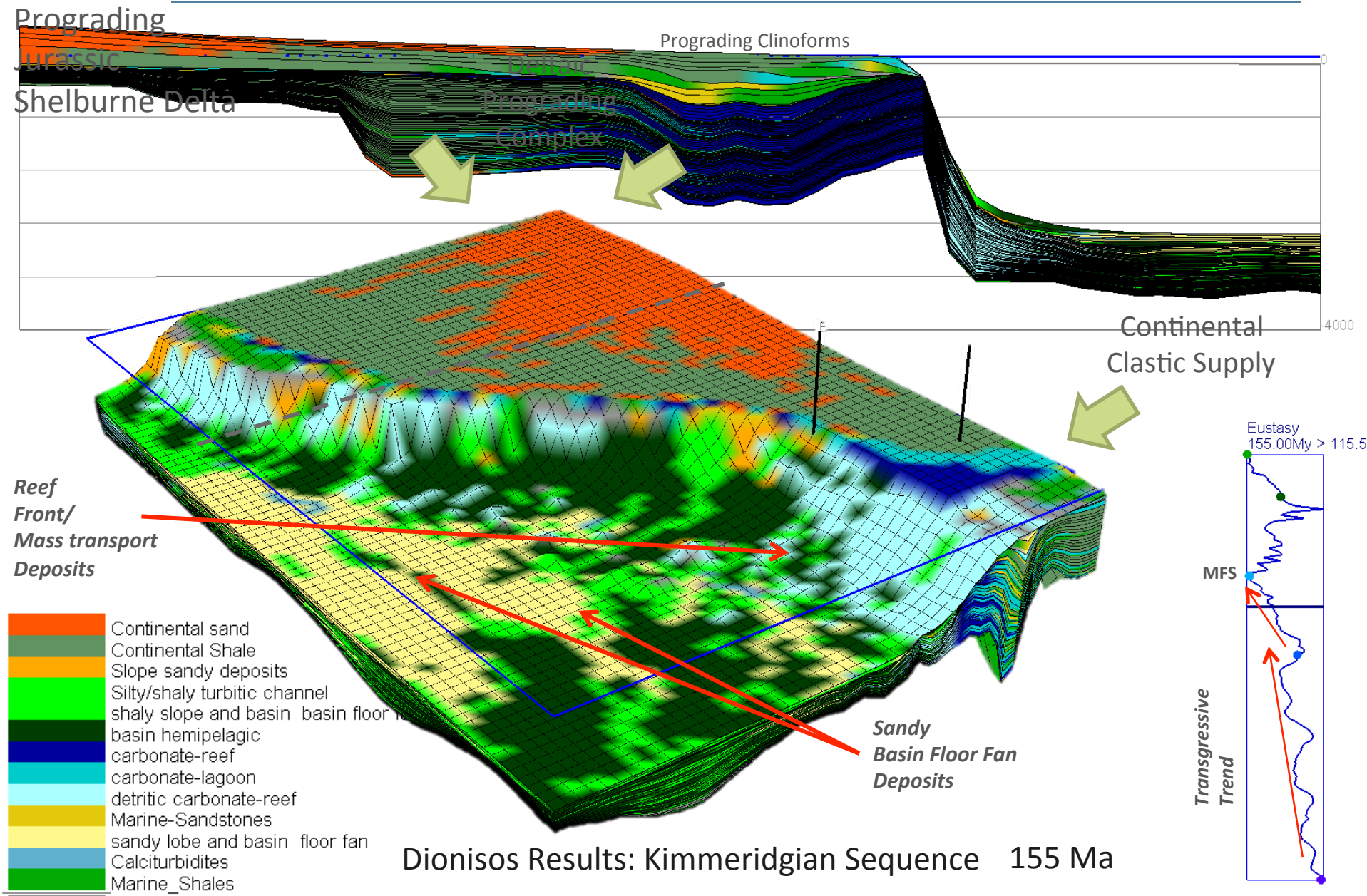
Seismic Stratigraphy



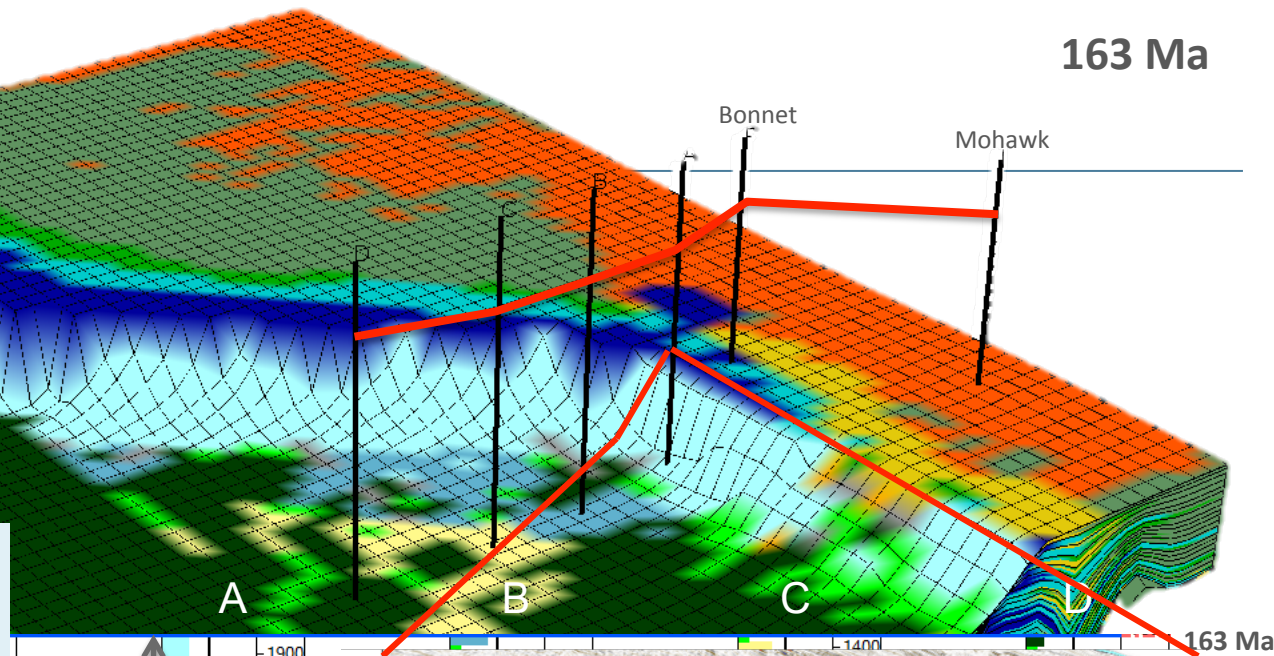
- Unstable shelf during the Jurassic ⇒ Intrashelf accommodation
- Stable shelf during the Cretaceous; unstable slope ⇒ Slope accommodation
- Slope & toe of slope cretaceous fans



Reservoir presence and distribution



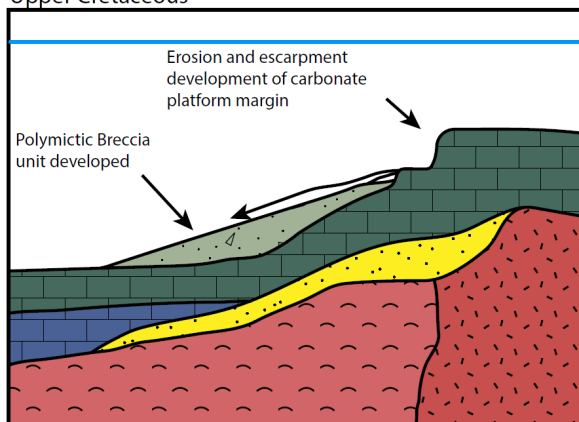
163 Ma



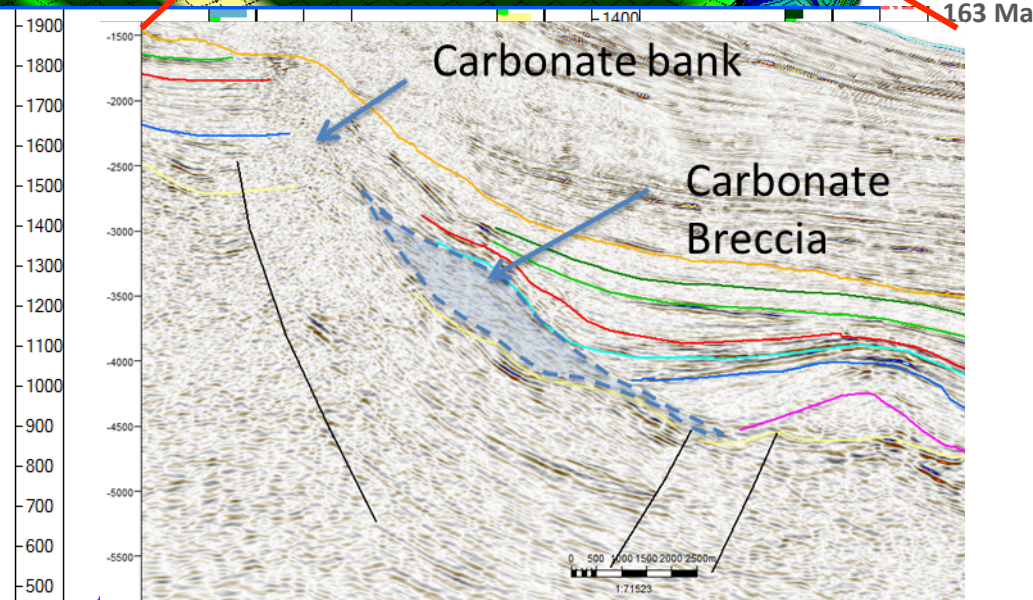
Western Yucatan Platform Cantarell Field

Ricoy-Paramo (2005)

Upper Cretaceous



Carbonate
Mass Transport Deposits



Basinward



Summary

- Well developed Shelburne delta system during Oxfordian-Kimmeridgian, Valenginina-Hauterivian and Aptian-Albian
- Shift in depocenter from shelf to slope (J – K) due to salt tectonic and Jurassic reef
- Wide spread basin floor fan turbidite and carbonate breccia
- Increase of shale content toward center region



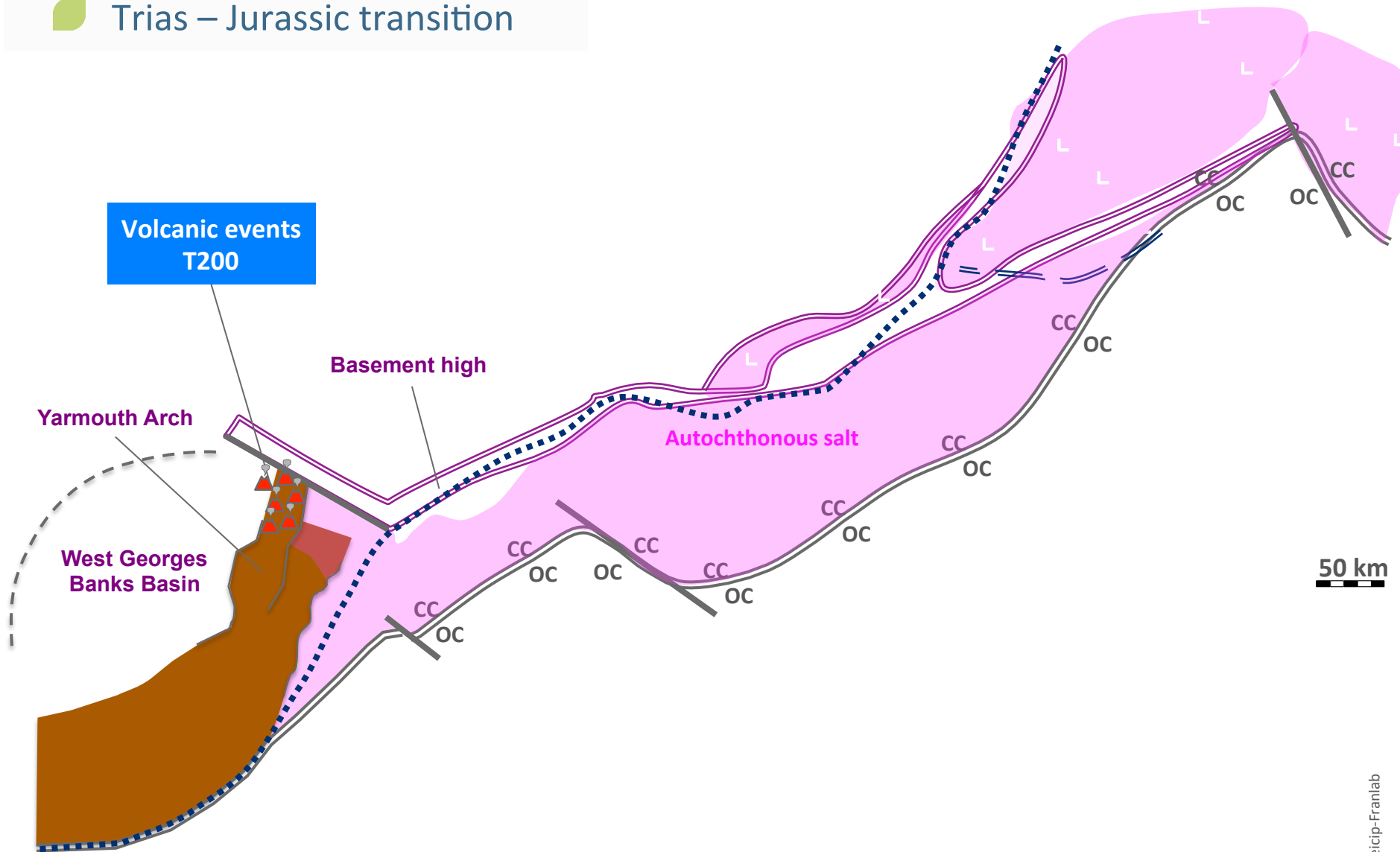
Sediment Fairway across the Scotian Margin





Sediment fairway and plays

Trias – Jurassic transition





Sediment fairway and plays

Hettangian - Tithonian

Jurassic deltaic system ①
J150 – T200

Jurassic carbonate system ①
J150 - J185

Late Jurassic Growth Fault system (inner shelf)

Jurassic deltaic system ①'
J152 – J180

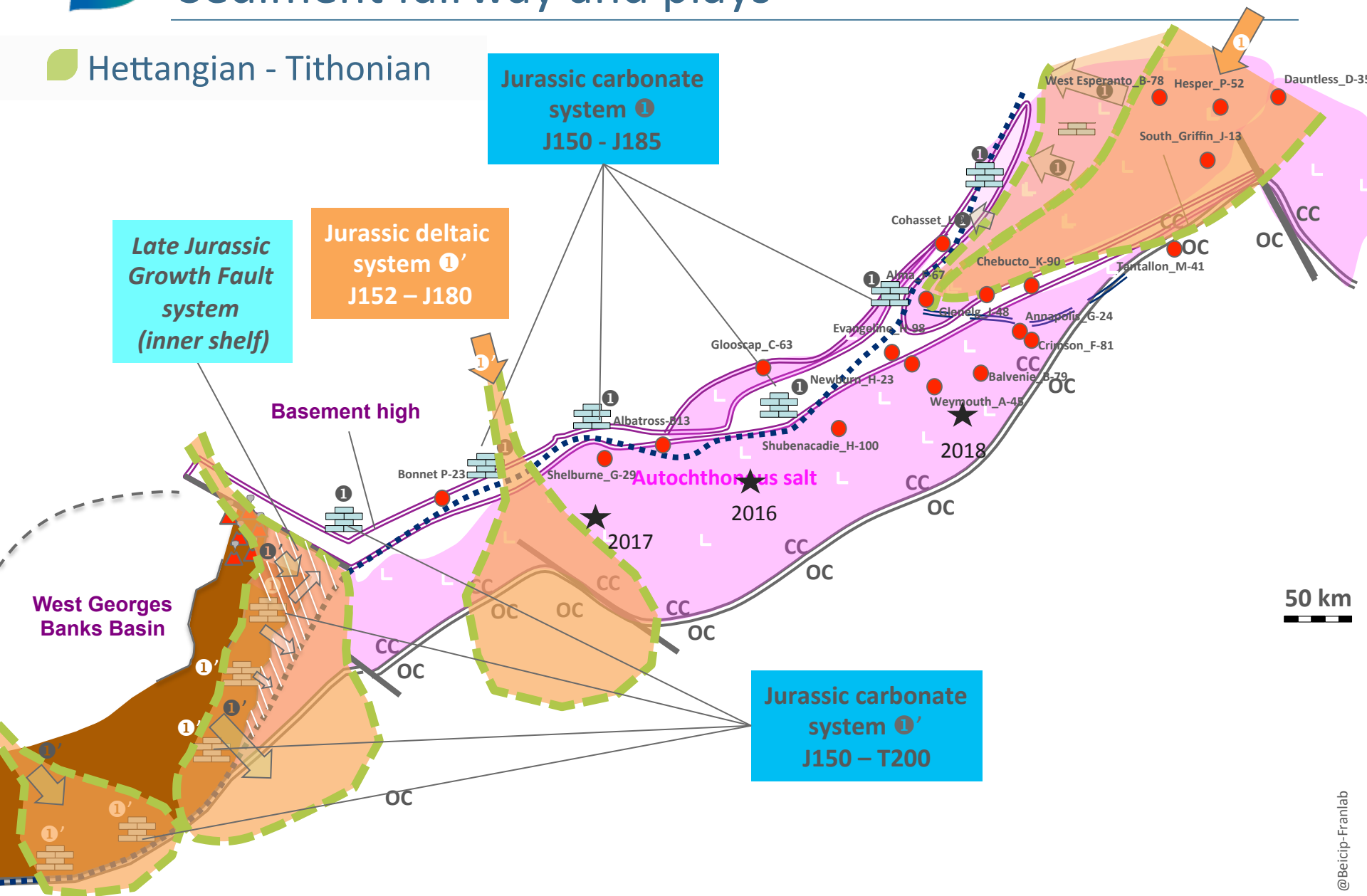
Basement high

West Georges Banks Basin

Autochthonous salt

Jurassic carbonate system ①'
J150 – T200

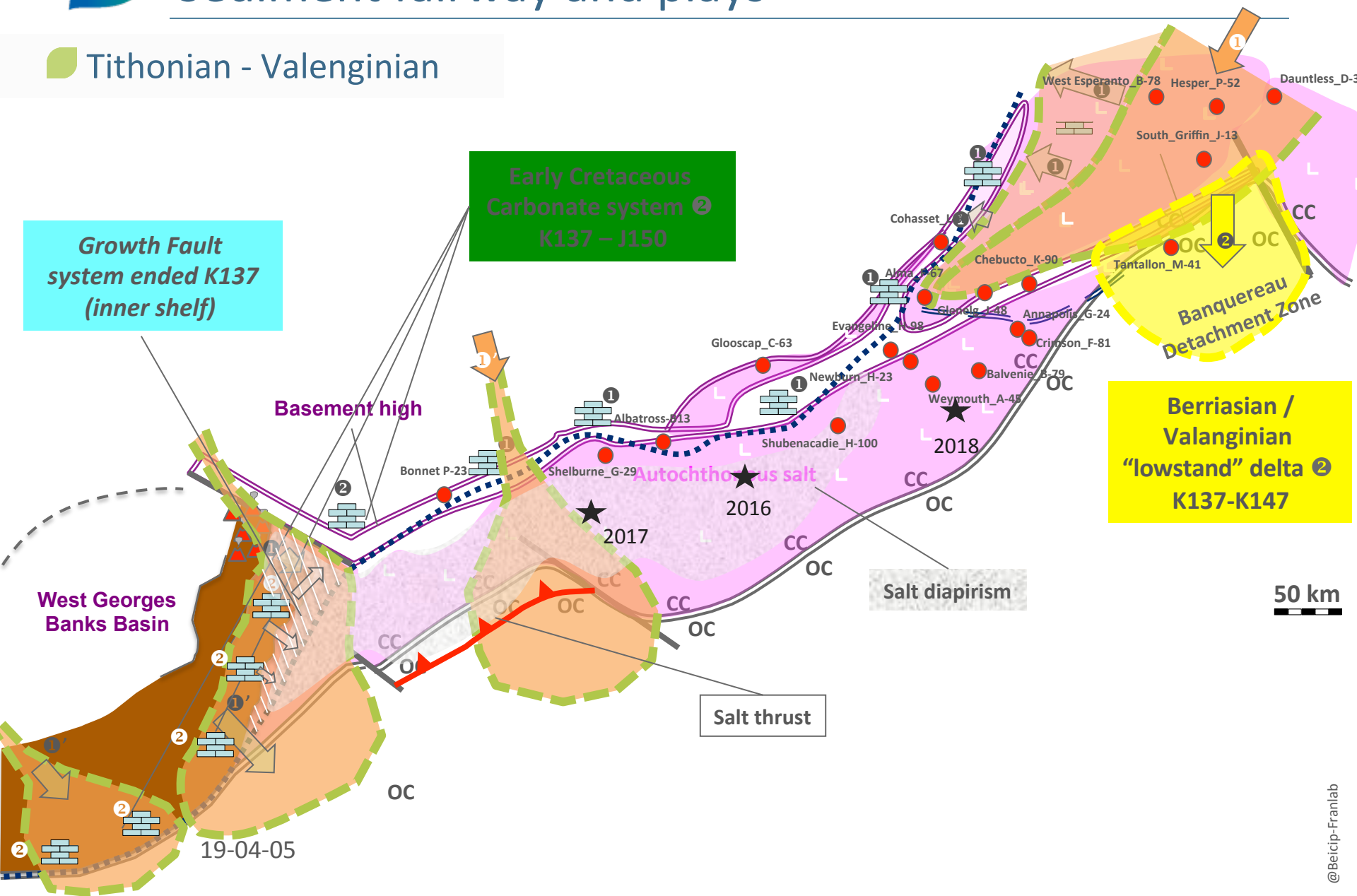
50 km





Sediment fairway and plays

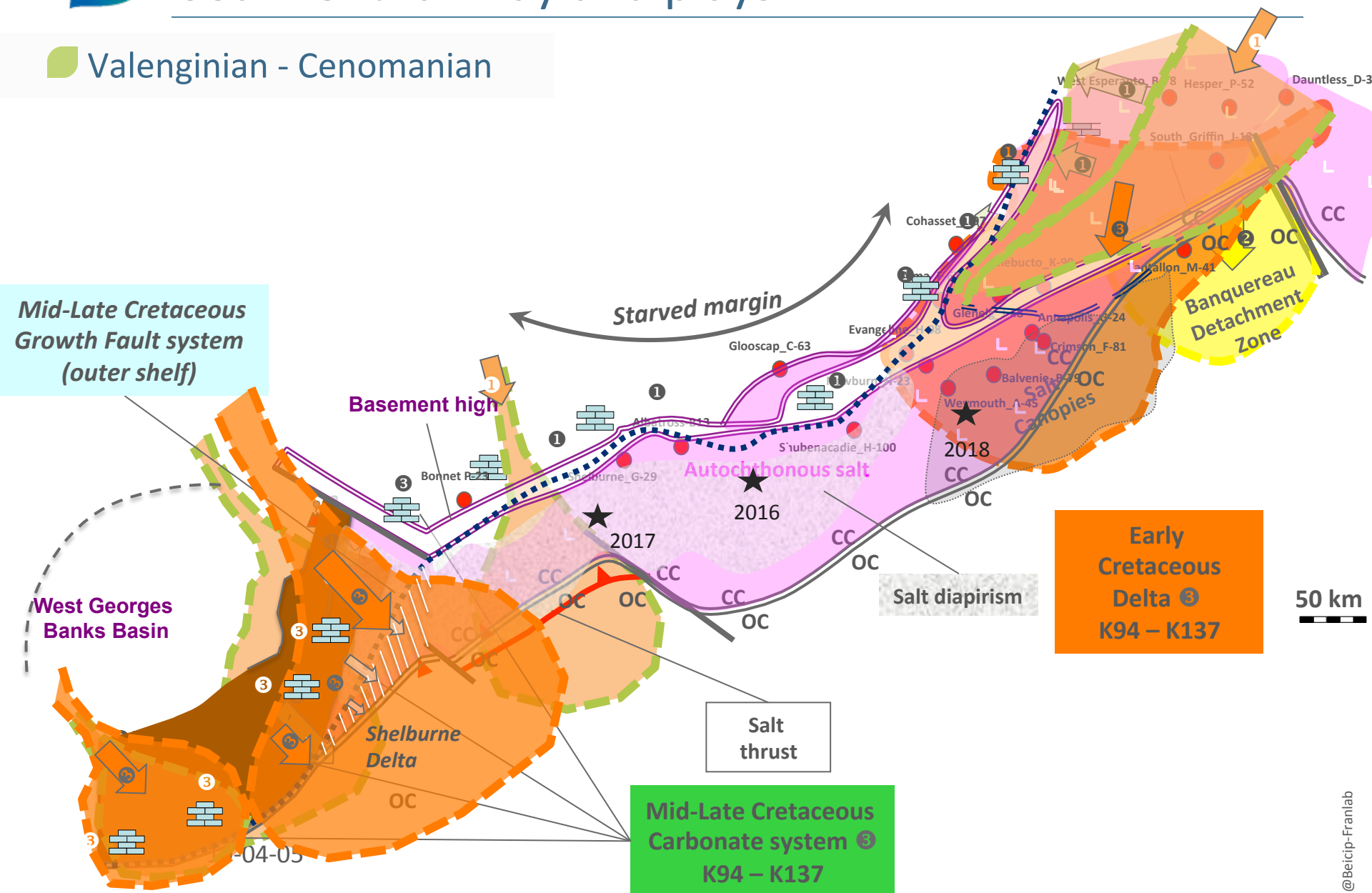
Tithonian - Valengianian





Sediment fairway and plays

Valenginian - Cenomanian





Sediment fairway and plays

Plays

1 Shelburne subbasin:

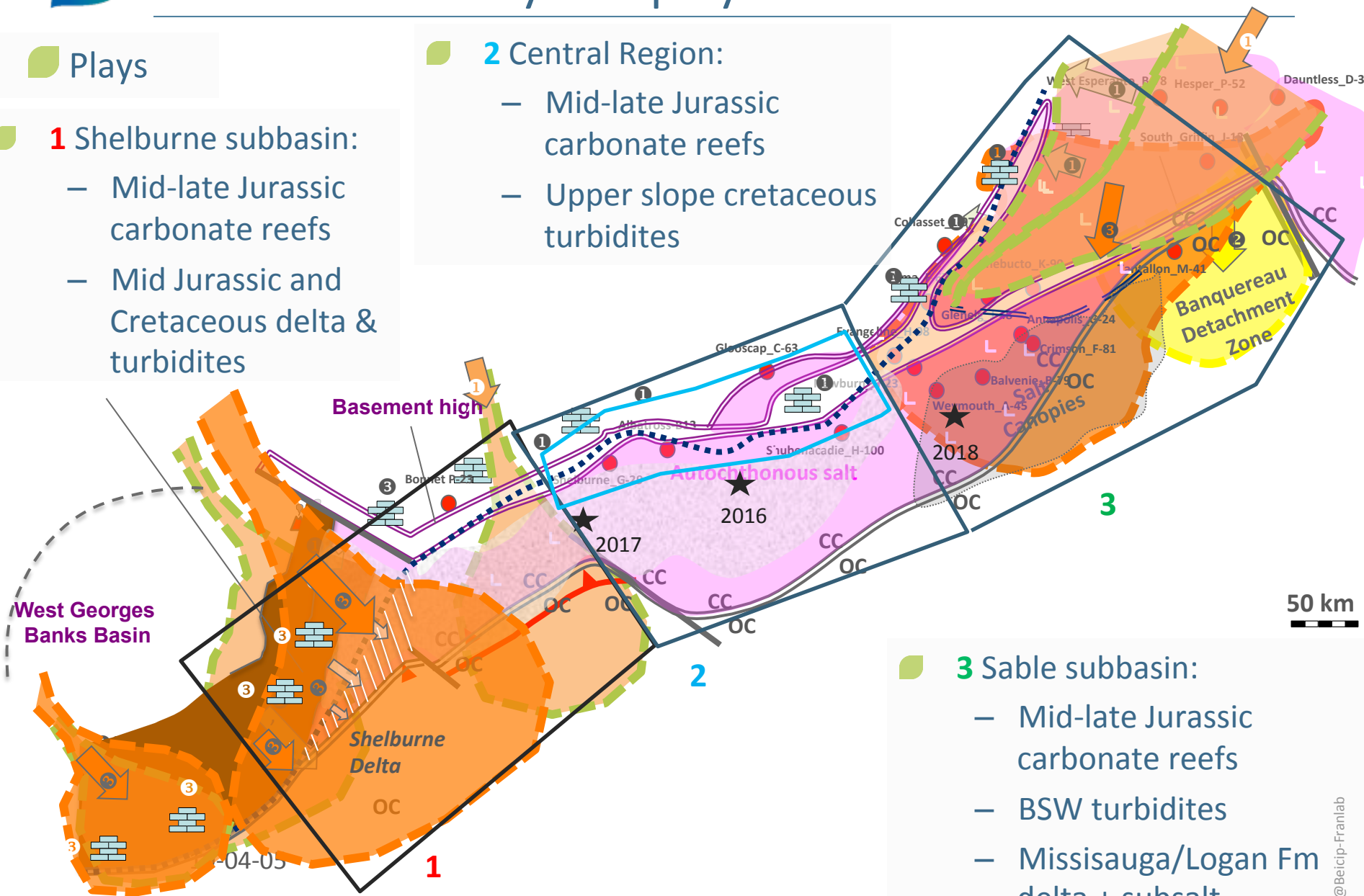
- Mid-late Jurassic carbonate reefs
- Mid Jurassic and Cretaceous delta & turbidites

2 Central Region:

- Mid-late Jurassic carbonate reefs
- Upper slope cretaceous turbidites

3 Sable subbasin:

- Mid-late Jurassic carbonate reefs
- BSW turbidites
- Missisauga/Logan Fm delta + subsalt



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