

GSA Data Repository Item 2007210

Figures DR1–DR5

The nature of Miocene Amazonian epicontinental embayment: High-frequency shifts of the low-gradient coastline

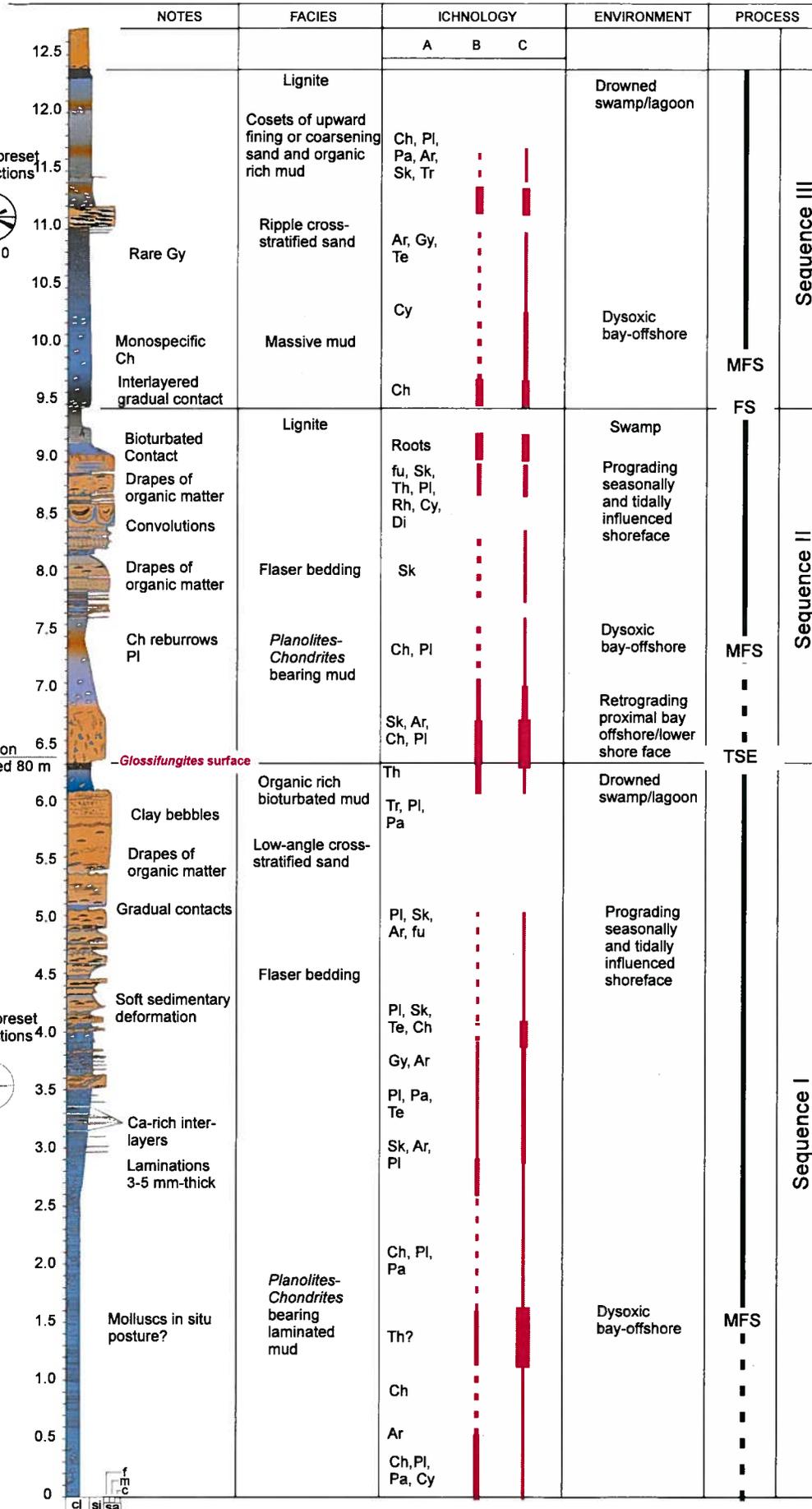
Jussi Hovikoski et al.

GSA Bulletin; doi: 10.1130B26149.1.

DR1: Santa Teresa, *Psiladiporites-Crototricolpites*-pollen zone

Description:

Interpretation:



Legend

ICHOLOGY

- A = Observed genera / ethology
- B = Bioturbation degree
- C = Size of the biggest traces observed

Bioturbation degree/ Size of the traces:

- Complete (75-100%) / Large
- High (50-75%) / Moderate
- Moderate (25-50%) / Small
- Sparse (5-25%) / Diminutive

Abbreviations:

- Arenicolites* (Ar)
- Chondrites* (Ch)
- Cylindrichnus* (Cy)
- Diplocraterion* (Di)
- Gyrolithes* (Gy)
- Ophiomorpha* (Op)
- Palaeophycus* (Pa)
- Planolites* (Pl)
- Psilonichnus* (Ps)
- Rhizocorallium* (Rh)
- Skolithos* (Sk)
- Teichichnus* (Te)
- Thalassinoides* (Th)
- Trichichnus* (Tr)
- fugichnia* (fu)

ENVIRONMENT AND PROCESS

Abbreviations:

- Transgressive surface of erosion (TSE)
- Maximum flooding surface (MFS)
- Flooding surface (FS)

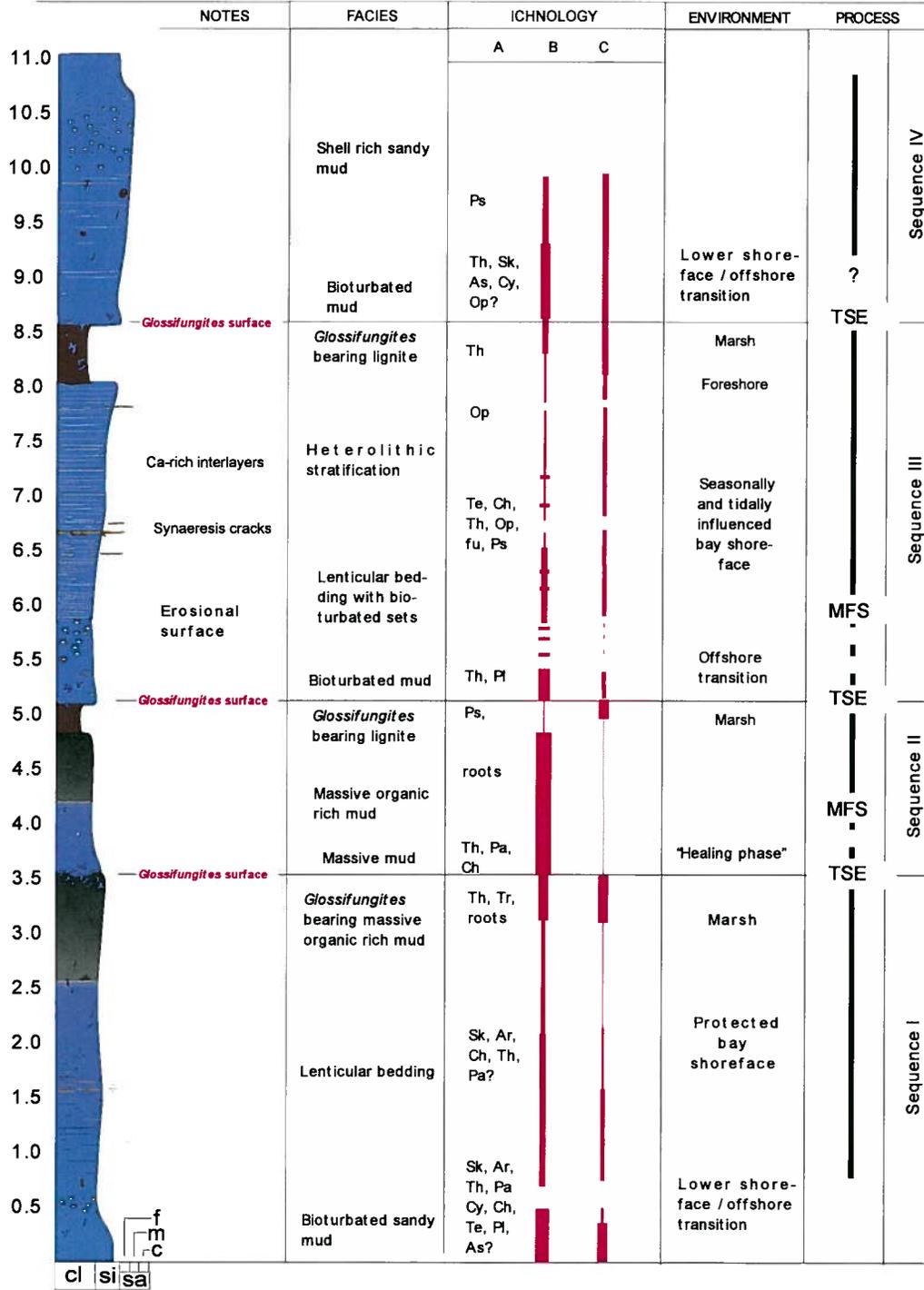
Relative Sea Level Change

- Progradation
- - - Retrogradation

DR2: Ave Maria I, *Crassorettriletes*-pollen zone

Description:

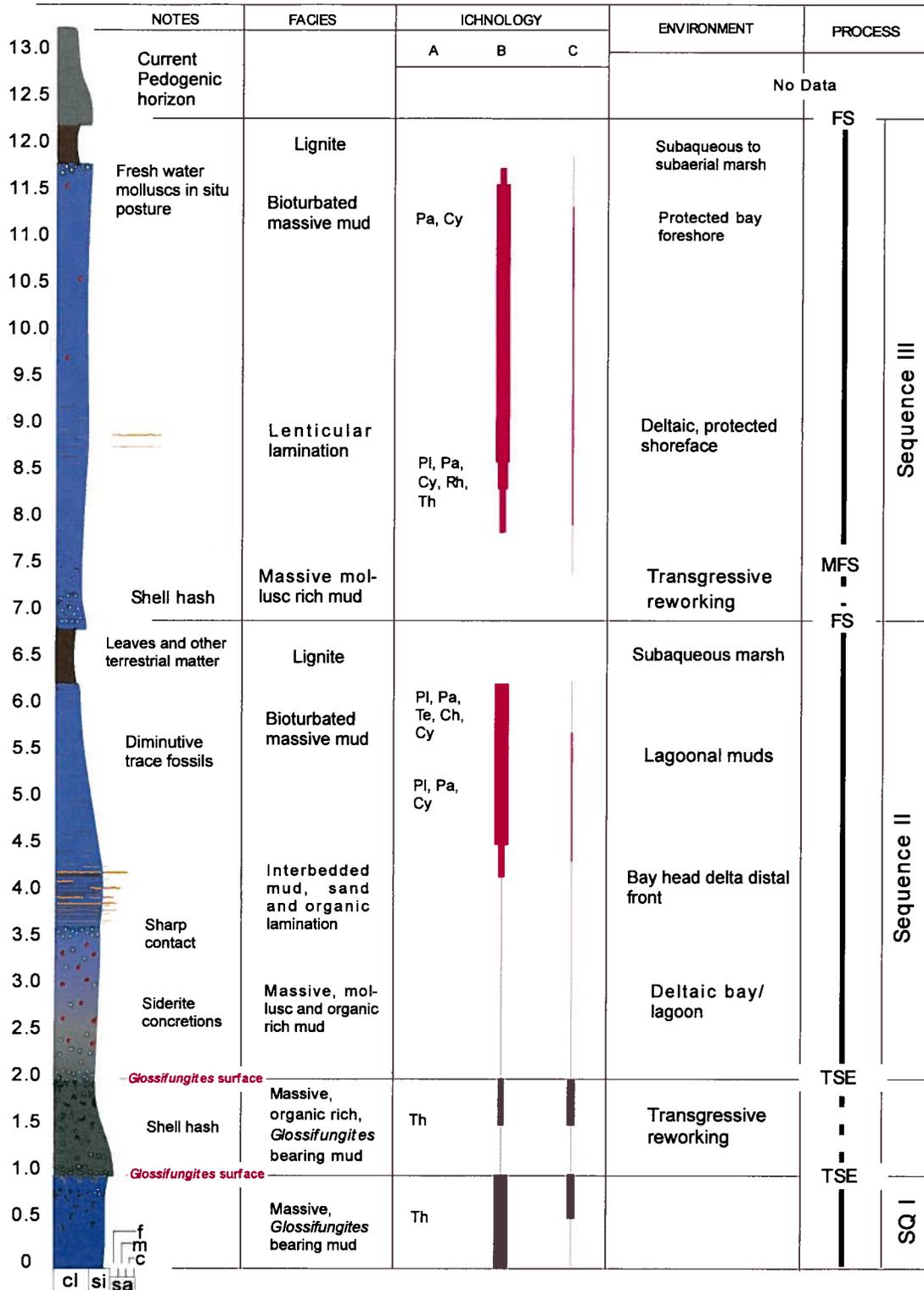
Interpretation:



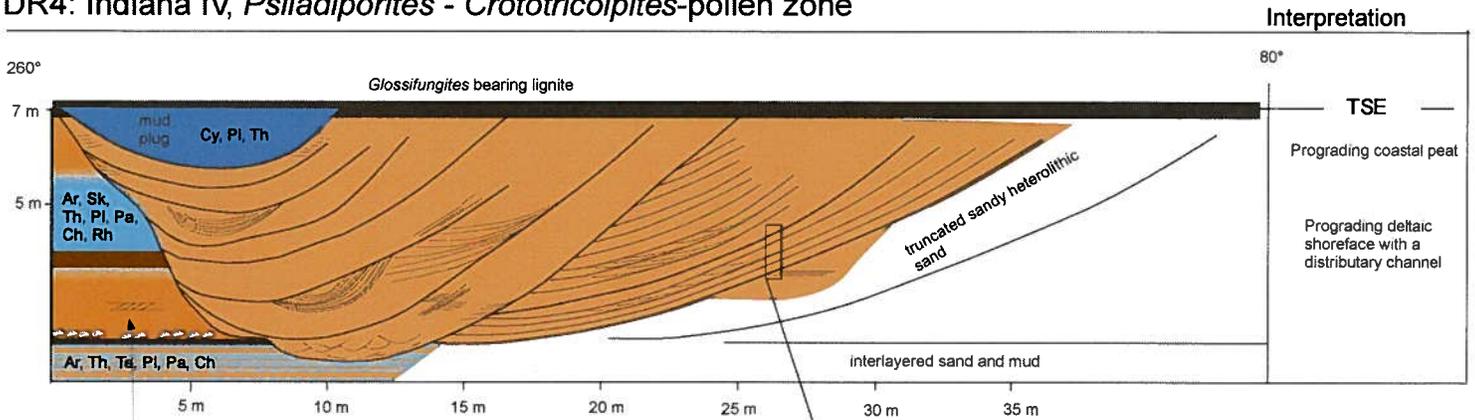
DR3: Porvenir, *Grimsdalea*-pollen zone

Description:

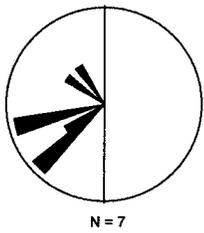
Interpretation:



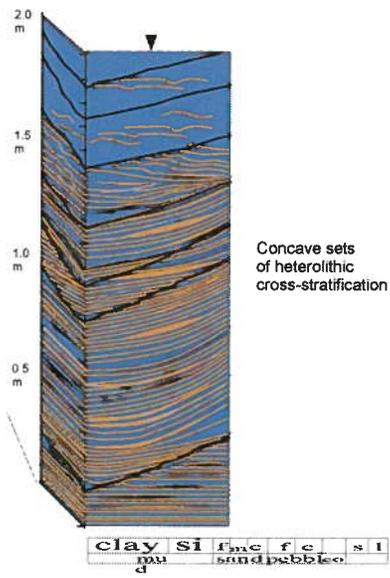
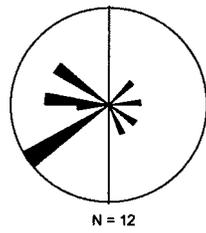
DR4: Indiana IV, *Psiladiporites* - *Crototricolpites*-pollen zone



Dunes and ripples



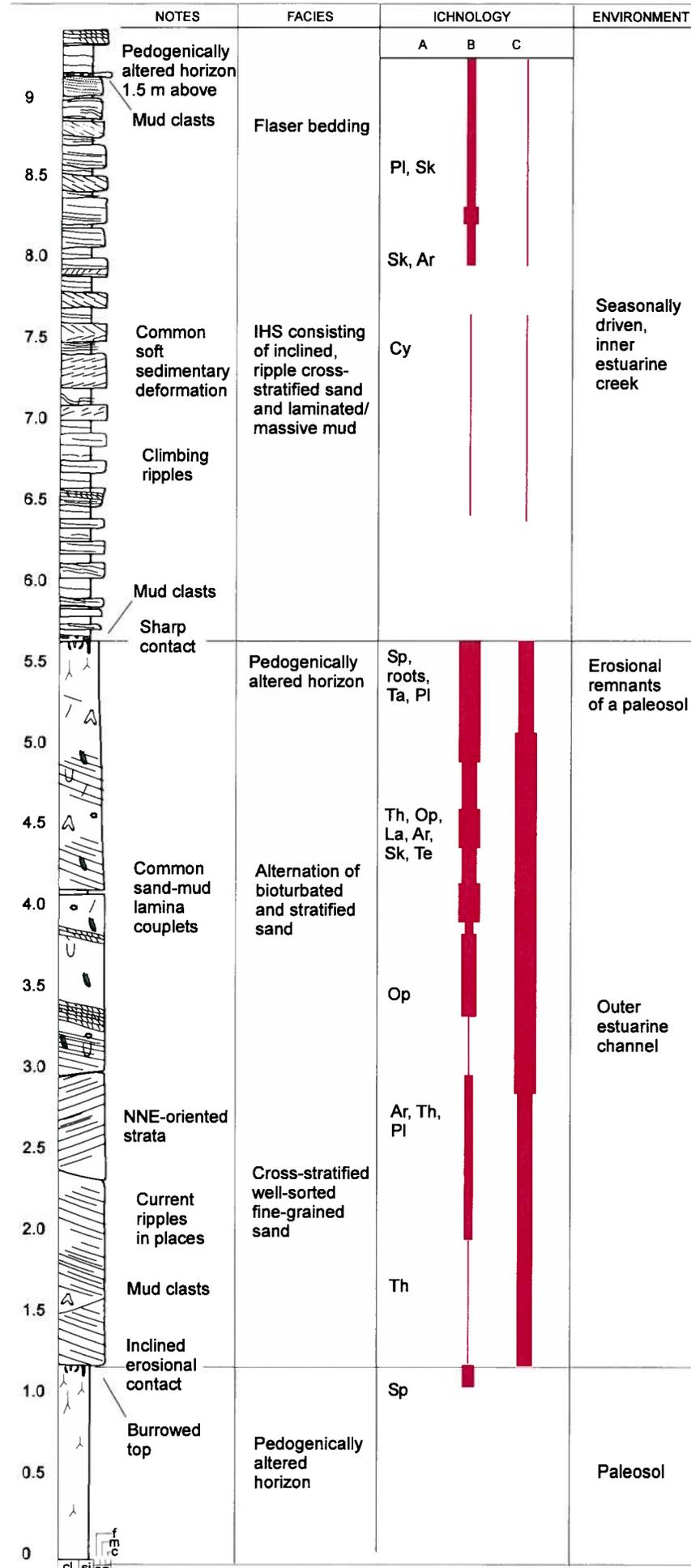
Channel dune foresets



DR5: Purus (Oriental), upper Solimões Fm.

Description:

Interpretation:



Legend

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Bioturbation degree/ Size of the traces:

-  Complete (75-100%) / Large
-  High (50-75%) / Moderate
-  Moderate (25-50%) / Small
-  Sparse (5-25%) / Diminutive

Abbreviations:

- Arenicolites (Ar)*
- Cylindrichnus (Cy)*
- Laminites (La)*
- Ophiomorpha (Op)*
- Planolites (Pl)*
- Skolithos (Sk)*
- Spongeliomorpha (Sp)*
- Taenidium (Ta)*
- Teichichnus (Te)*
- Thalassinoides (Th)*