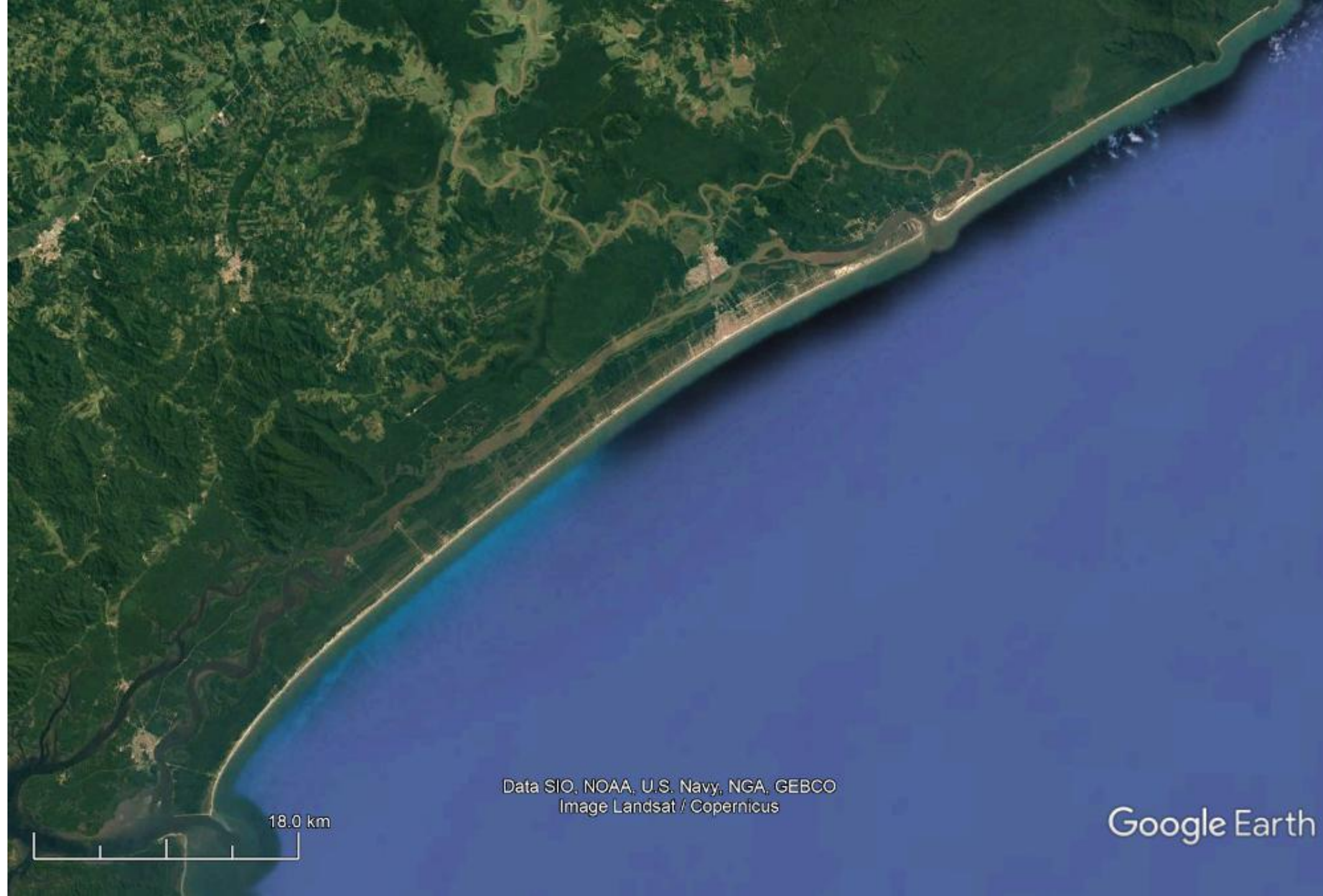


Sistema deposicional costeiro dominado por ondas

André O. Sawakuchi
GSA0252-Sedimentologia

Sistema deposicional costeiro dominado por ondas

- Fisiografia e funcionamento do sistema
- Transporte de sedimentos
- Estruturas e fácies sedimentares
- Modelo de fácies



Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

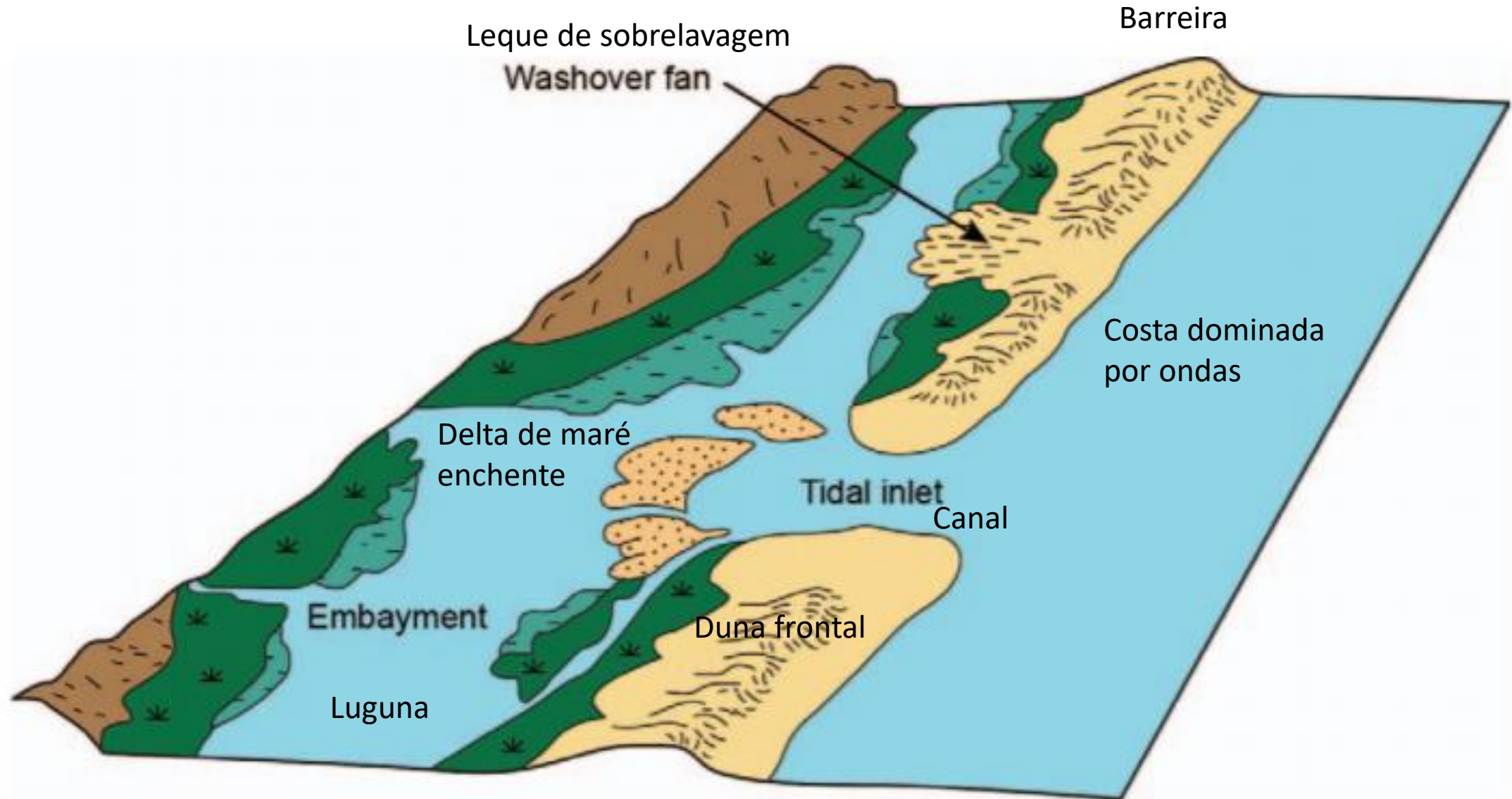
Google Earth

Sistema barreira-laguna

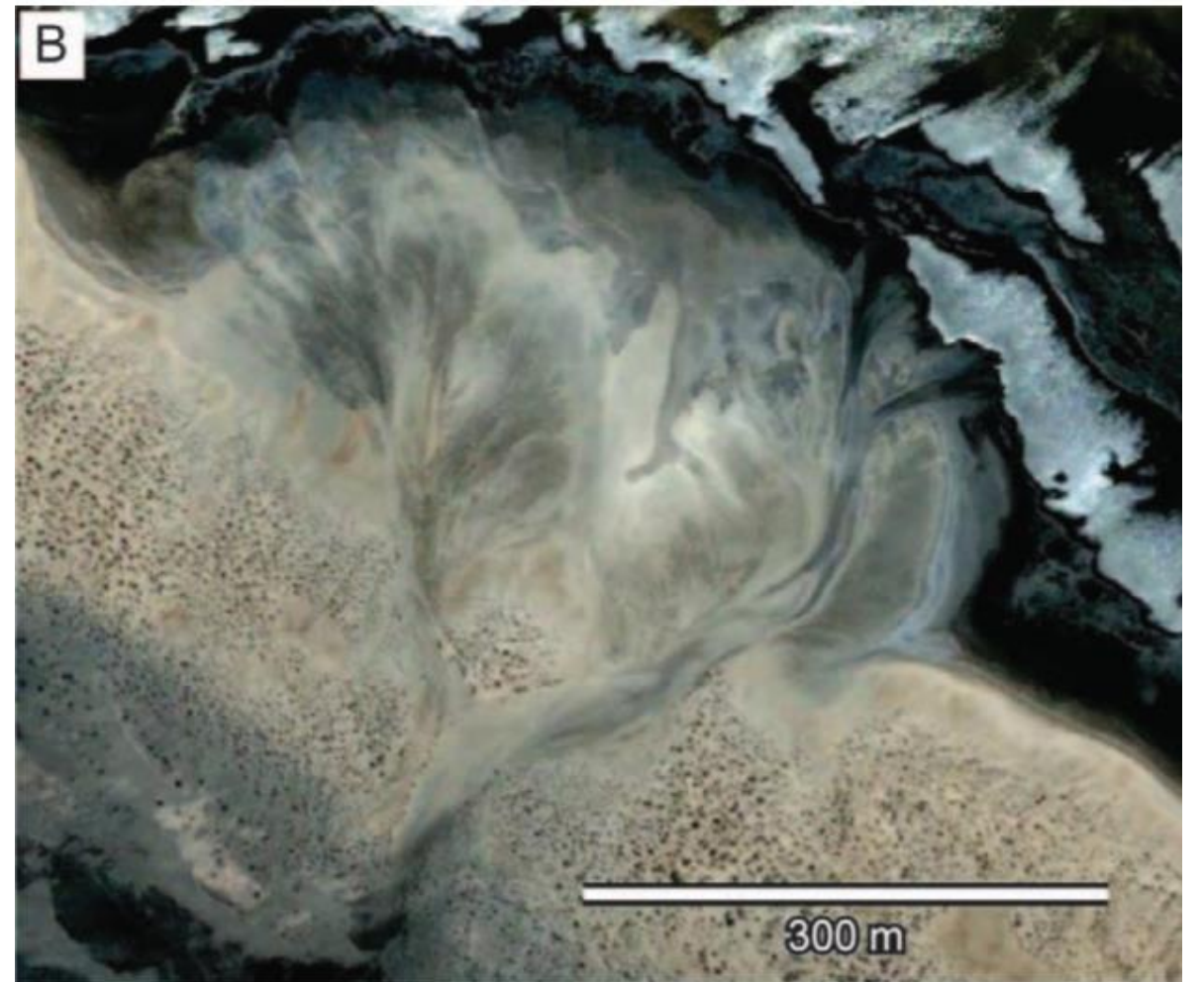
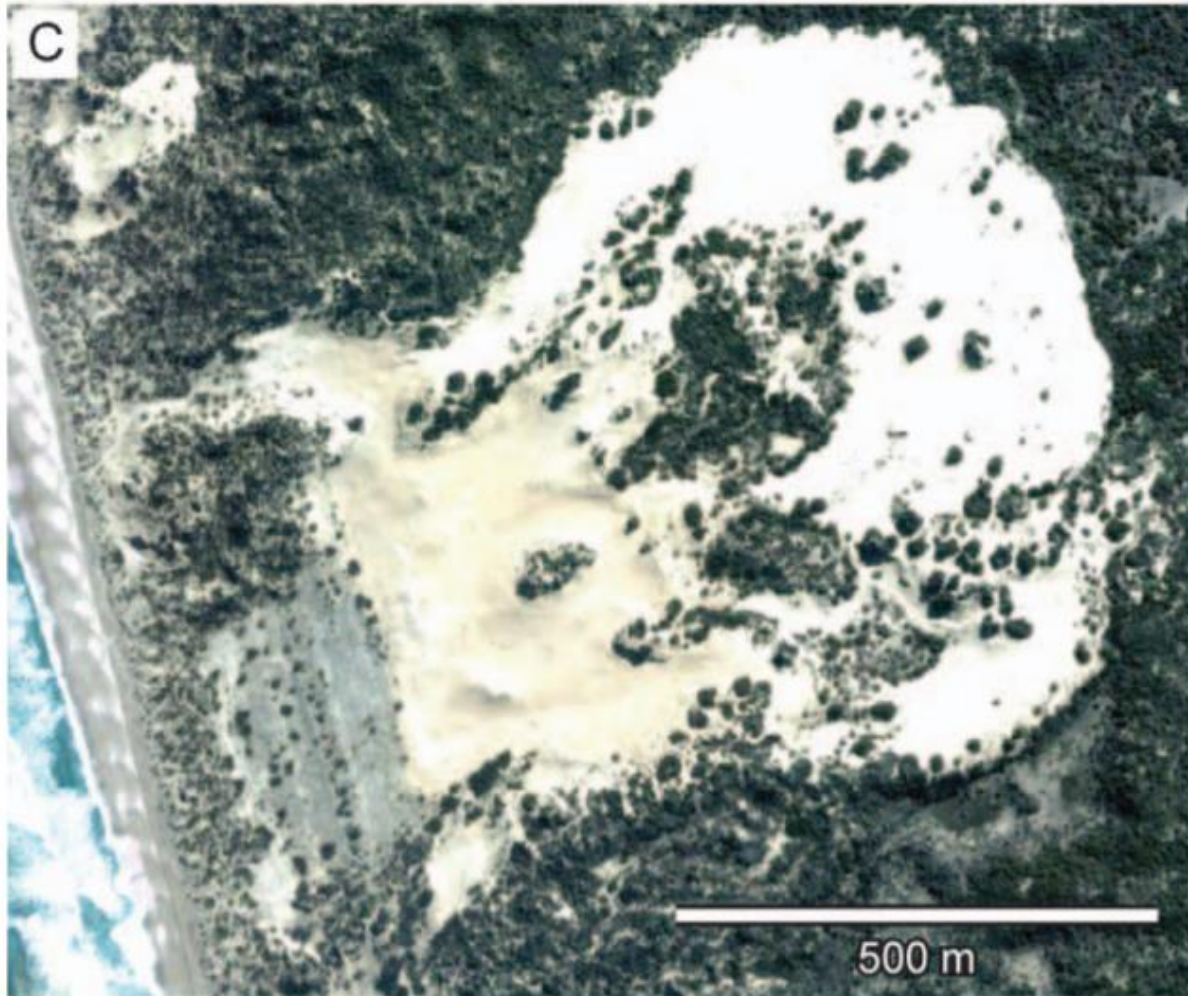


Image © 2021 CNES / Airbus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2021 Maxar Technologies

Google Earth



Leque de sobrelavagem



Hubock et al. (2014)

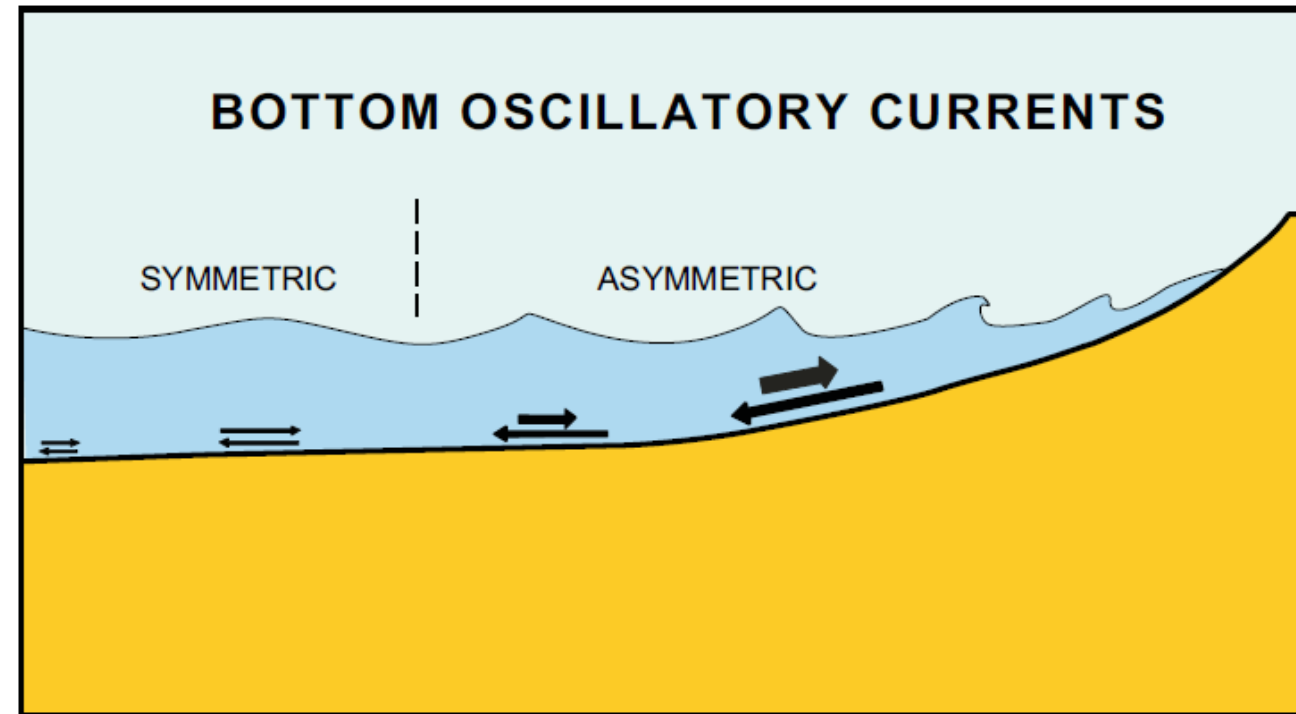
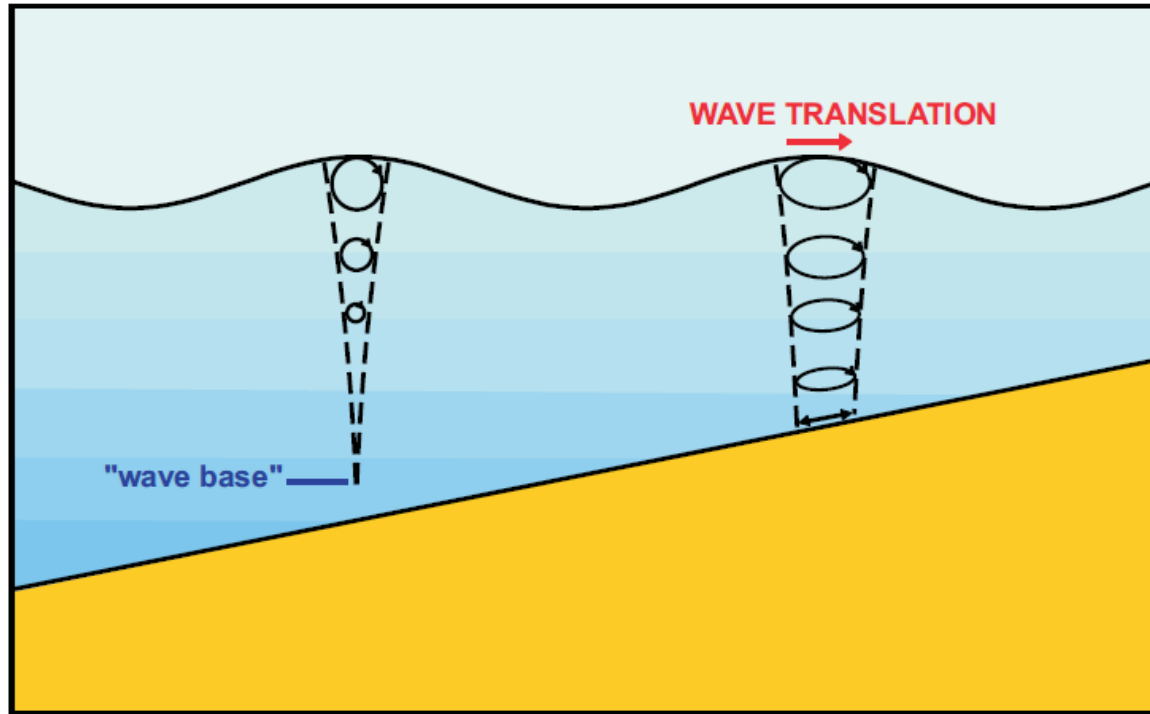
Transporte de sedimentos por ondas

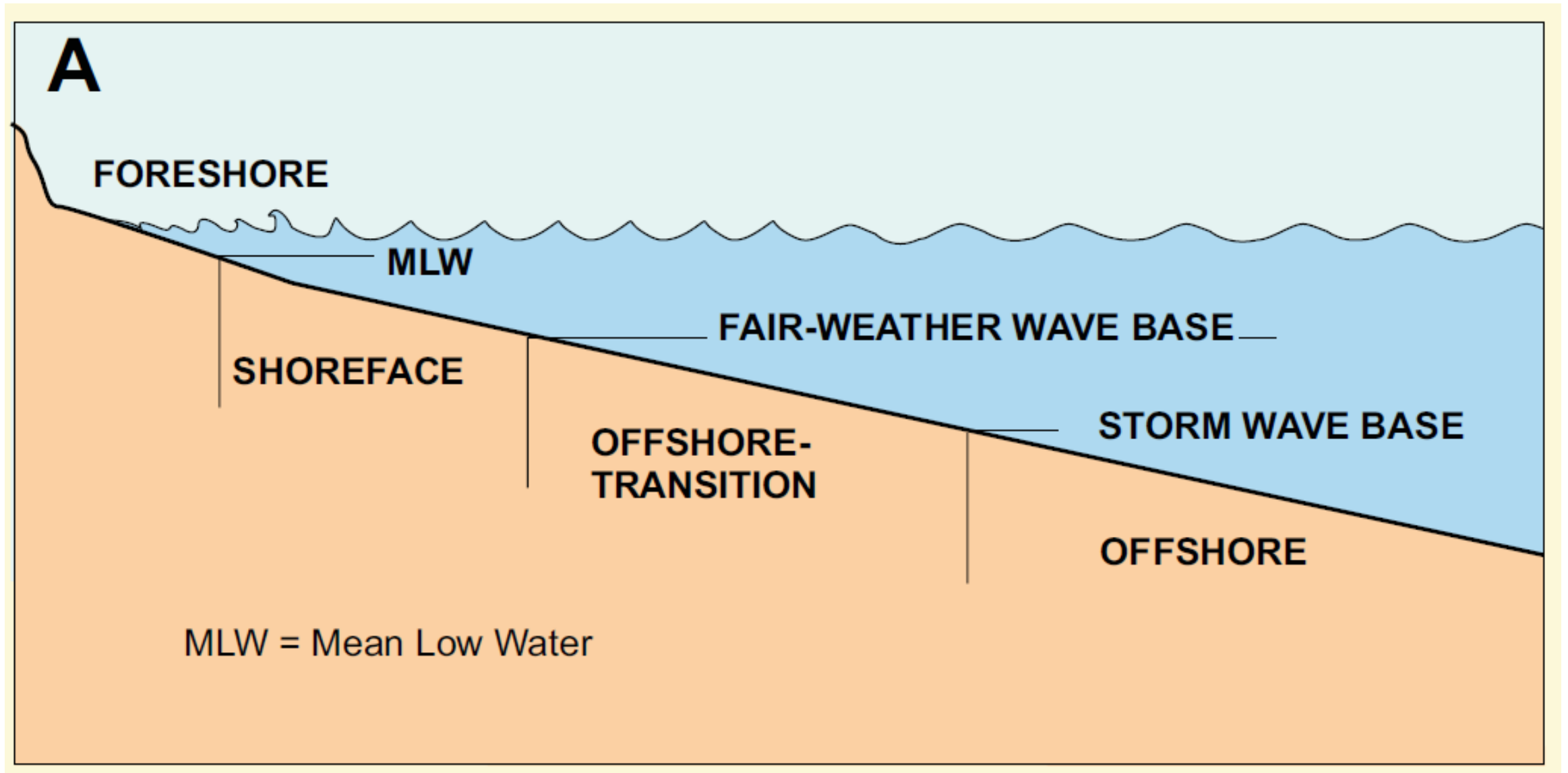


Image © 2021 TerraMetrics
Image © 2021 Maxar Technologies

Google Earth

Transporte de sedimentos por ondas e correntes geradas por ondas





Deriva litorânea longitudinal



Deriva litorânea longitudinal



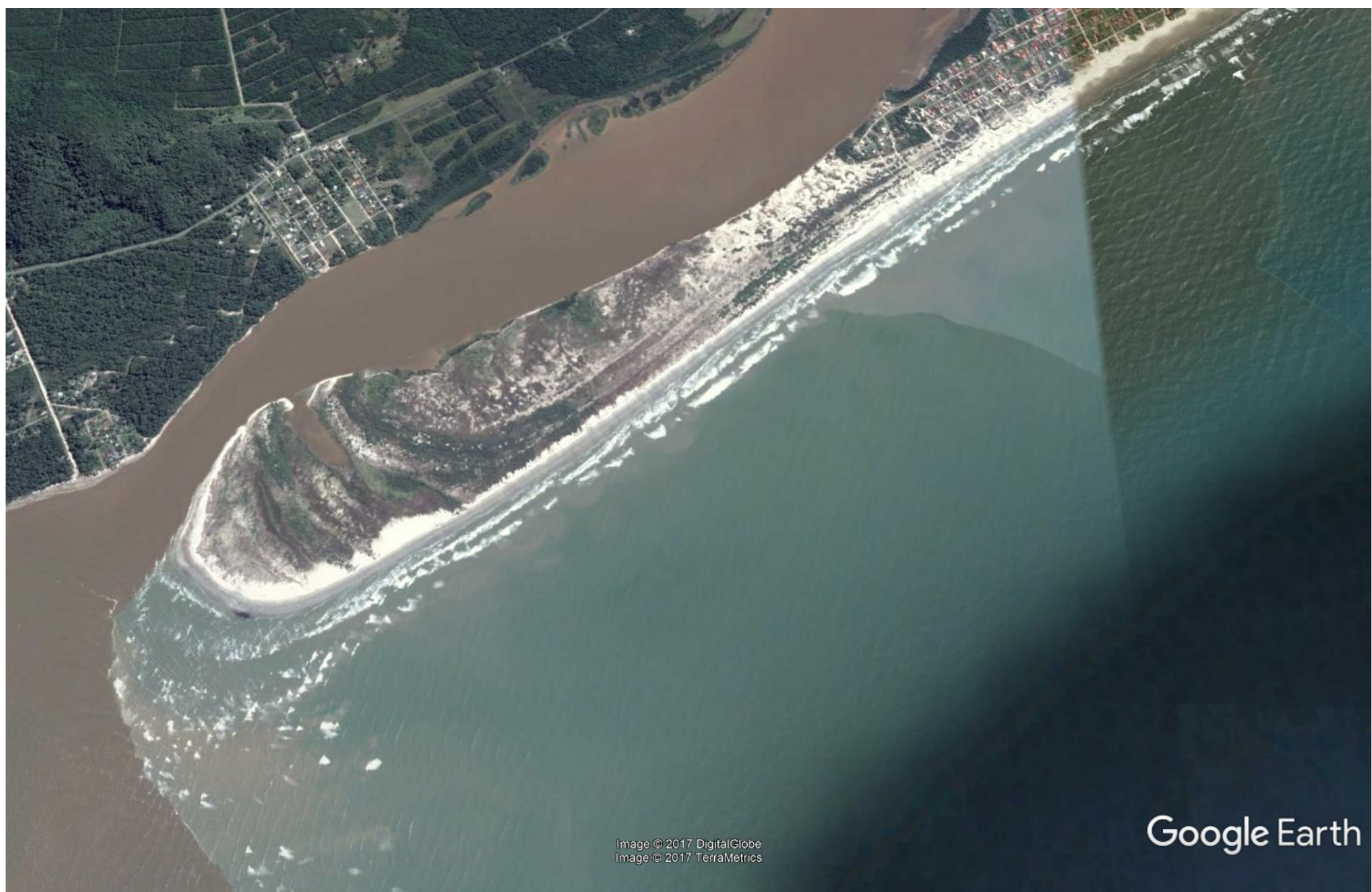
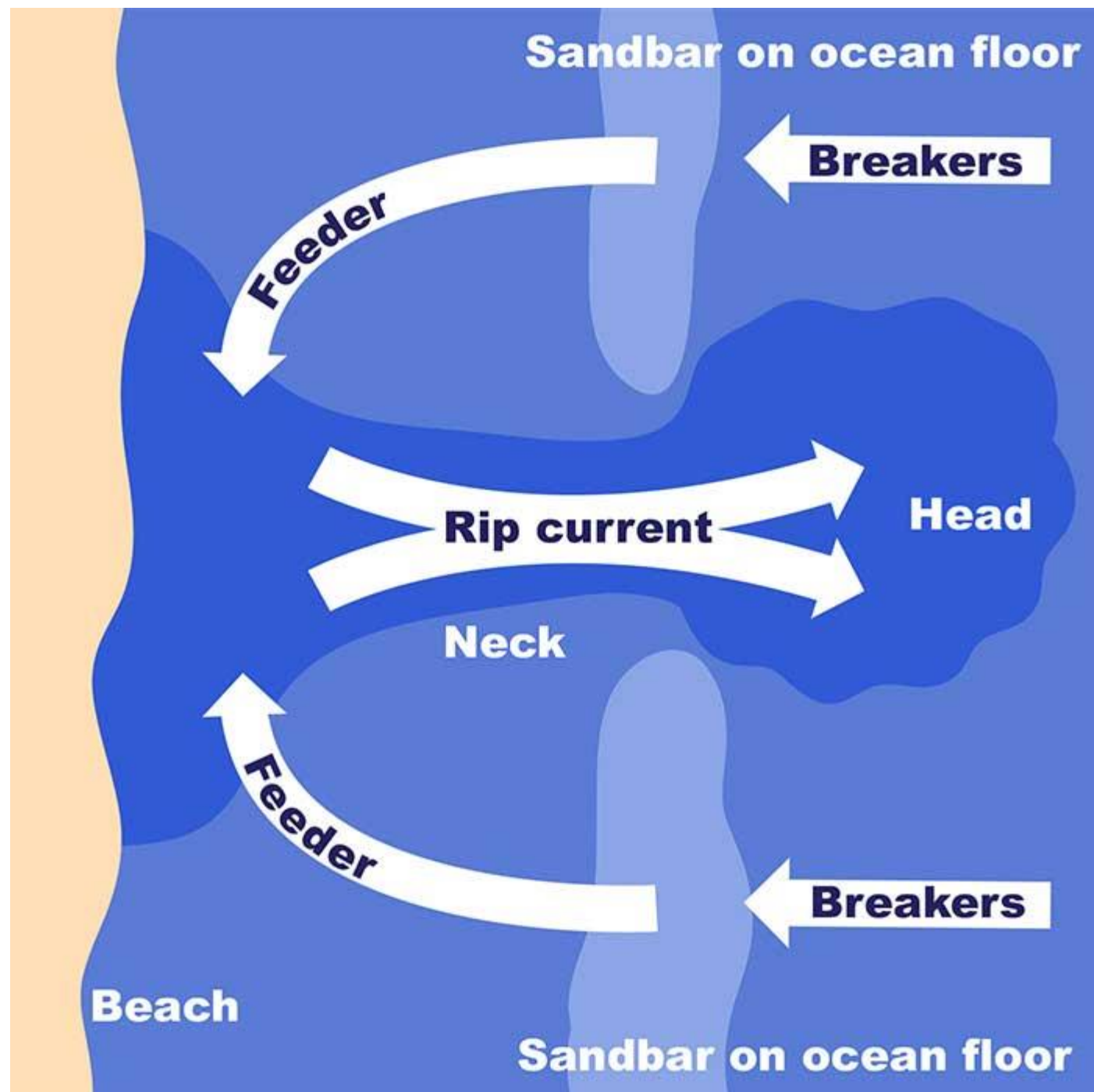


Image © 2017 DigitalGlobe
Image © 2017 TerraMetrics

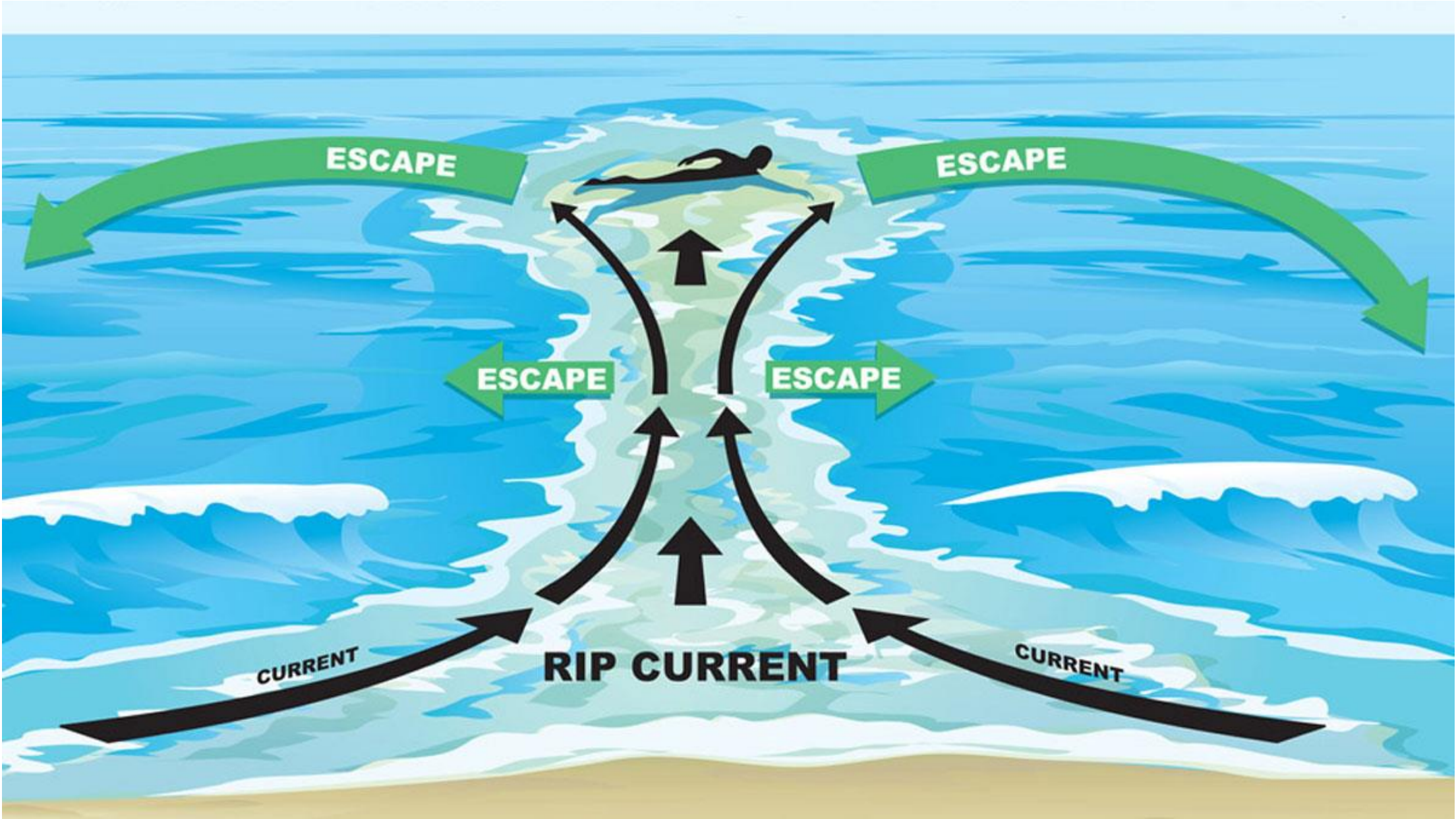
Google Earth

Corrente de retorno





Corrente de retorno





Estruturas e fácies sedimentares...

Foreshore (antepraia)

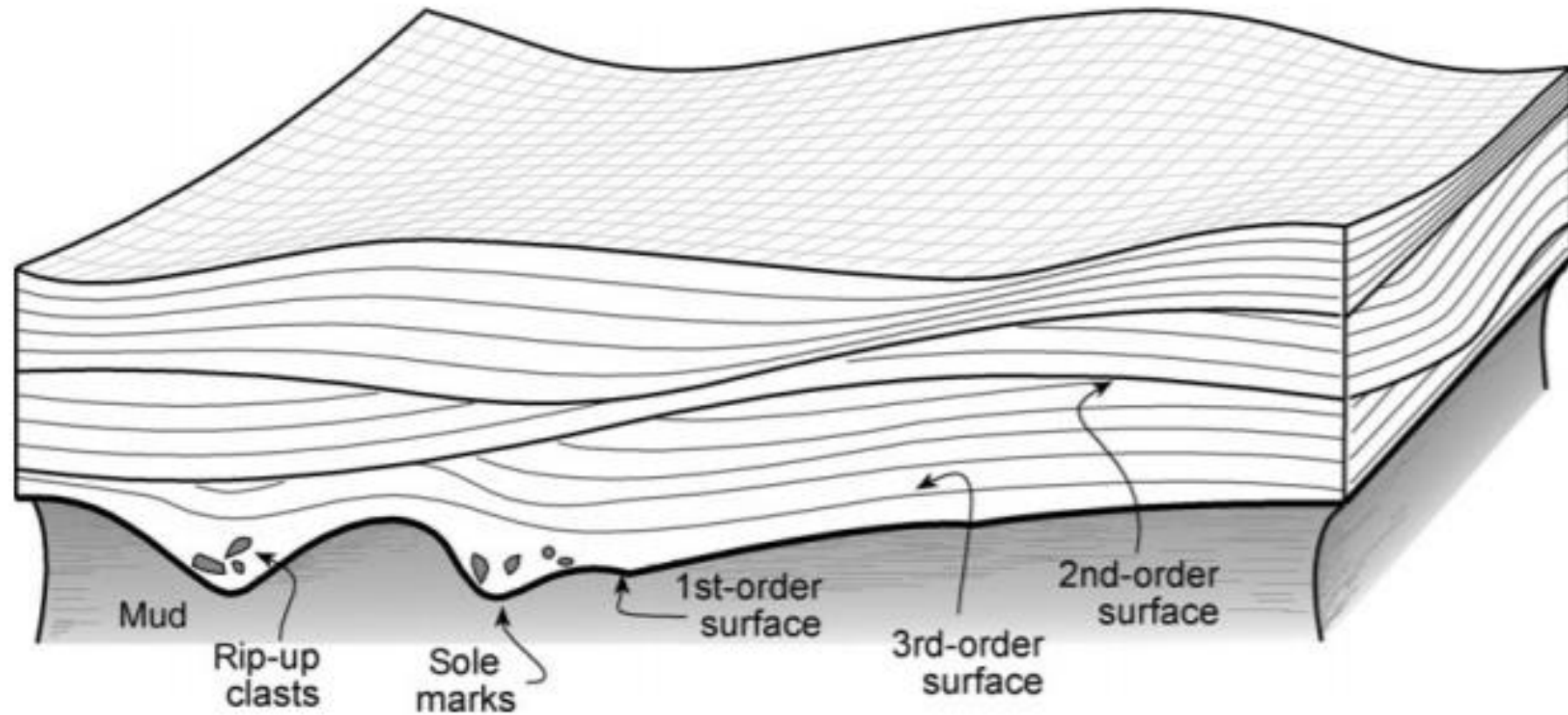


Shoreface (face litorânea)

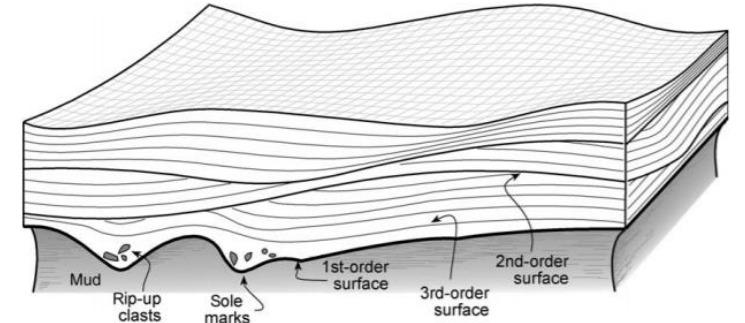


Offshore (costa-afora)

Estratificação hummocky – swaley (fluxo combinado – corrente-onda)



Estratificação cruzada hummocky

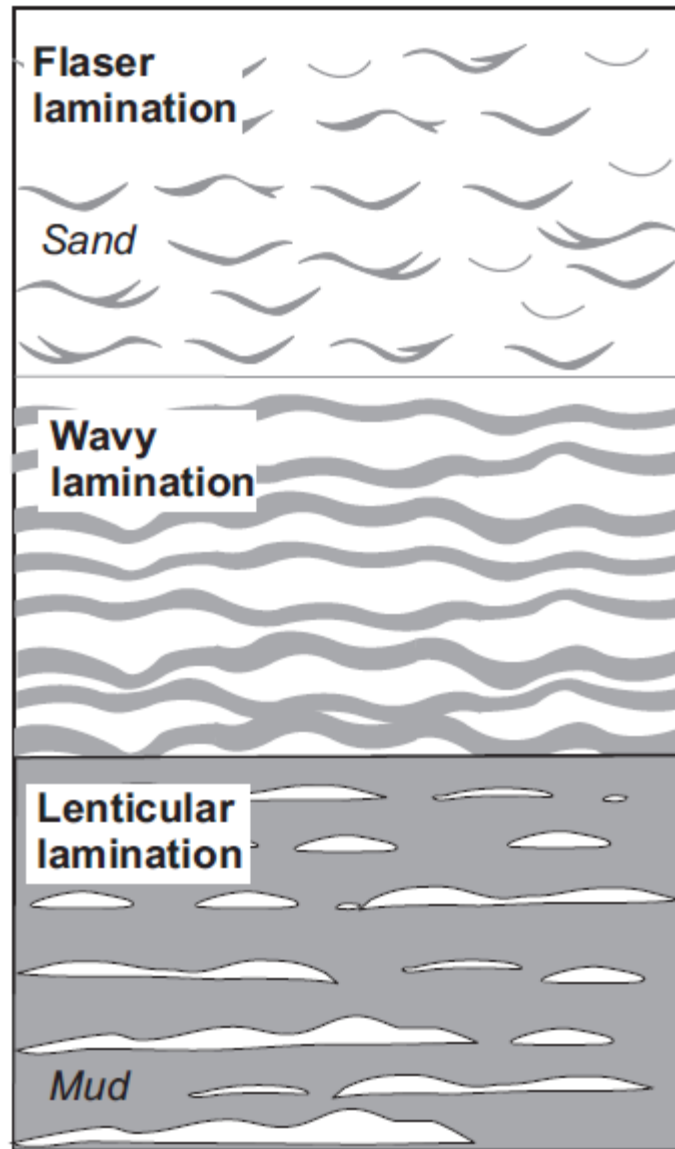


Jelby et al. (2019)



Jelby et al. (2019)

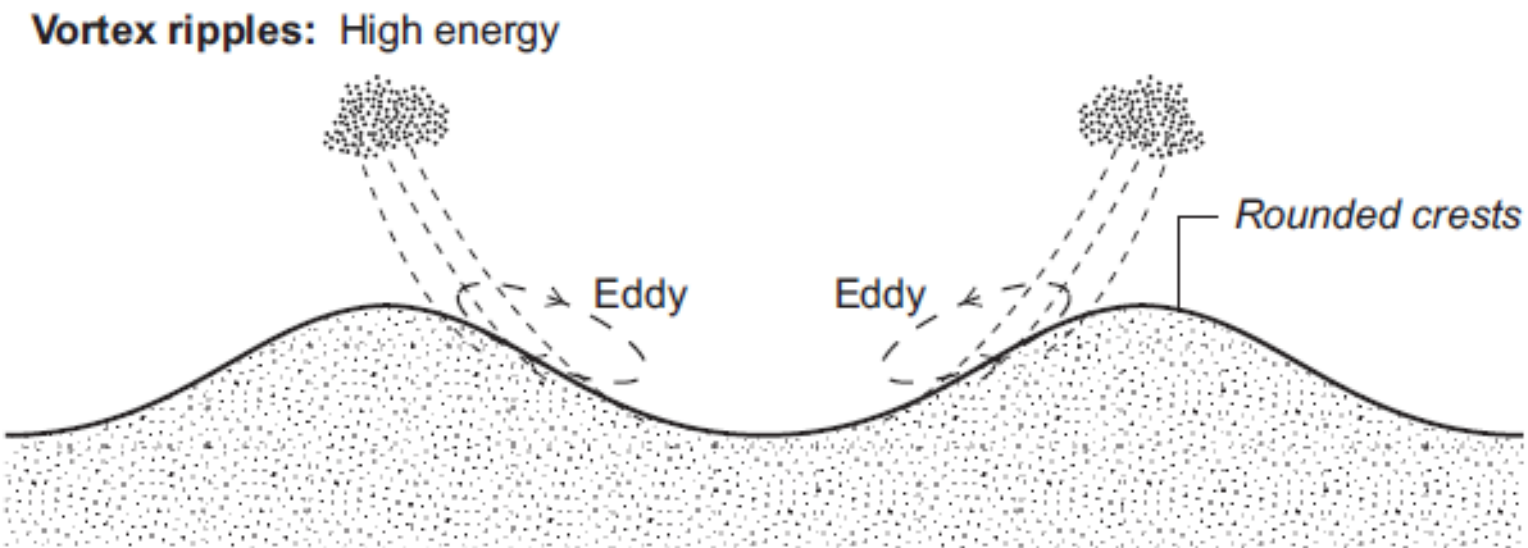
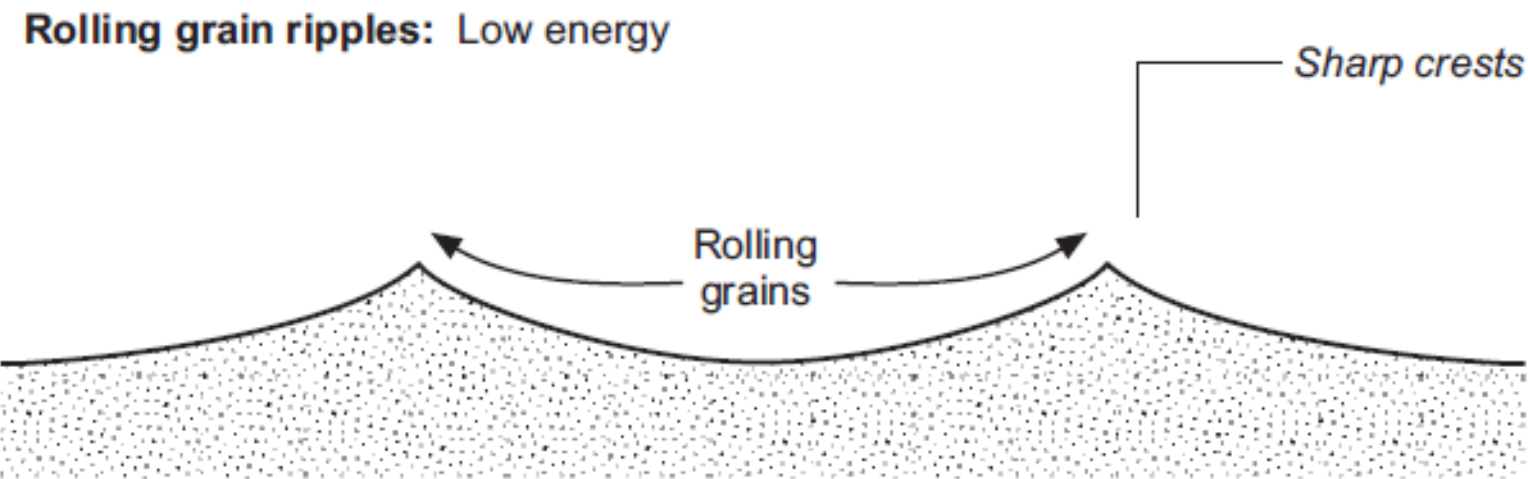
Laminação heterololítica (tração-suspensão simultânea)



Offshore (costa-afora)



Marcas onduladas geradas por fluxo oscilatório



Vortices and sediment movement near wave ripple

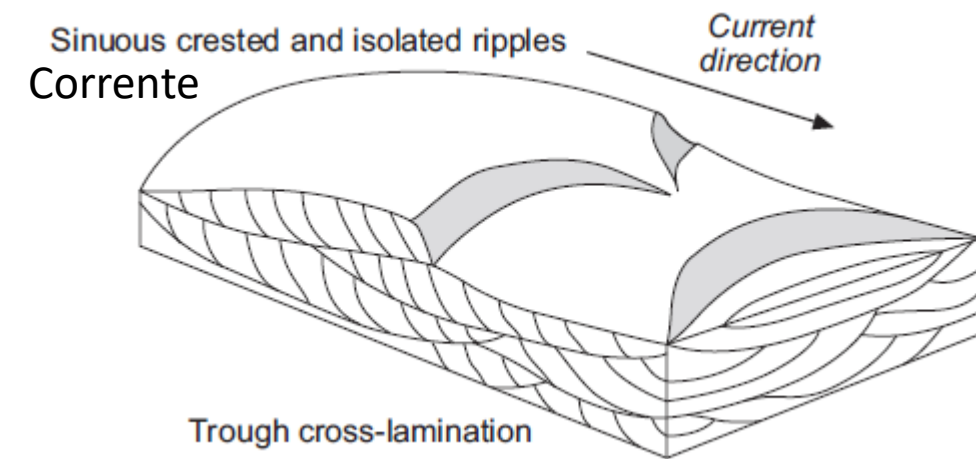


Reproduzir (k)

<https://www.youtube.com/watch?v=RvtBMojxWUQ>

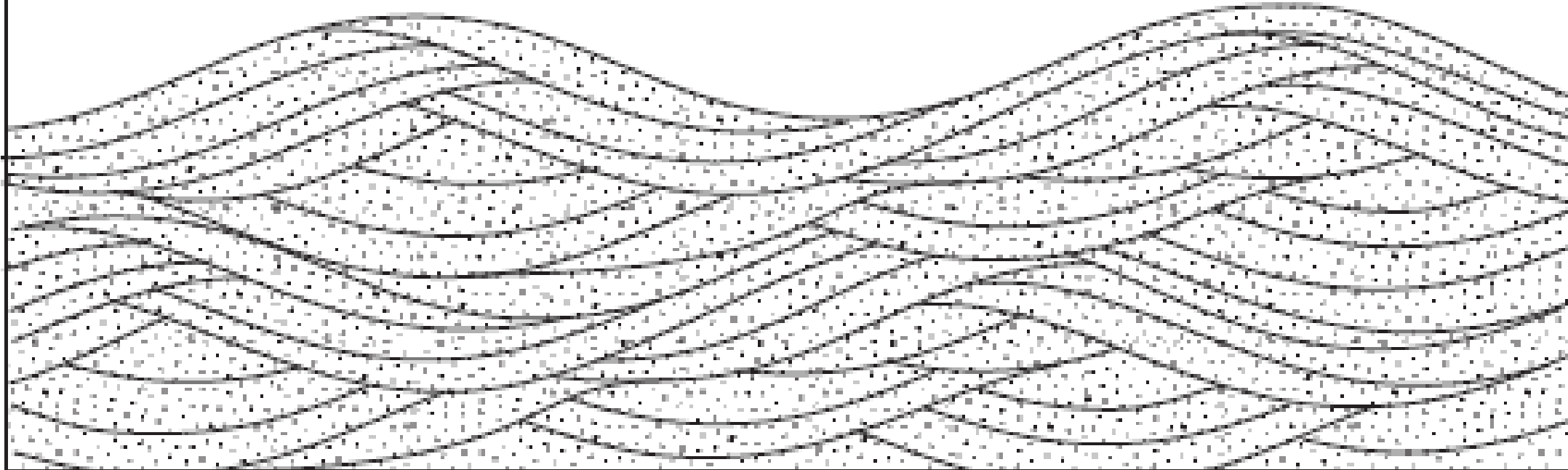


Laminação cruzada gerada por ondas

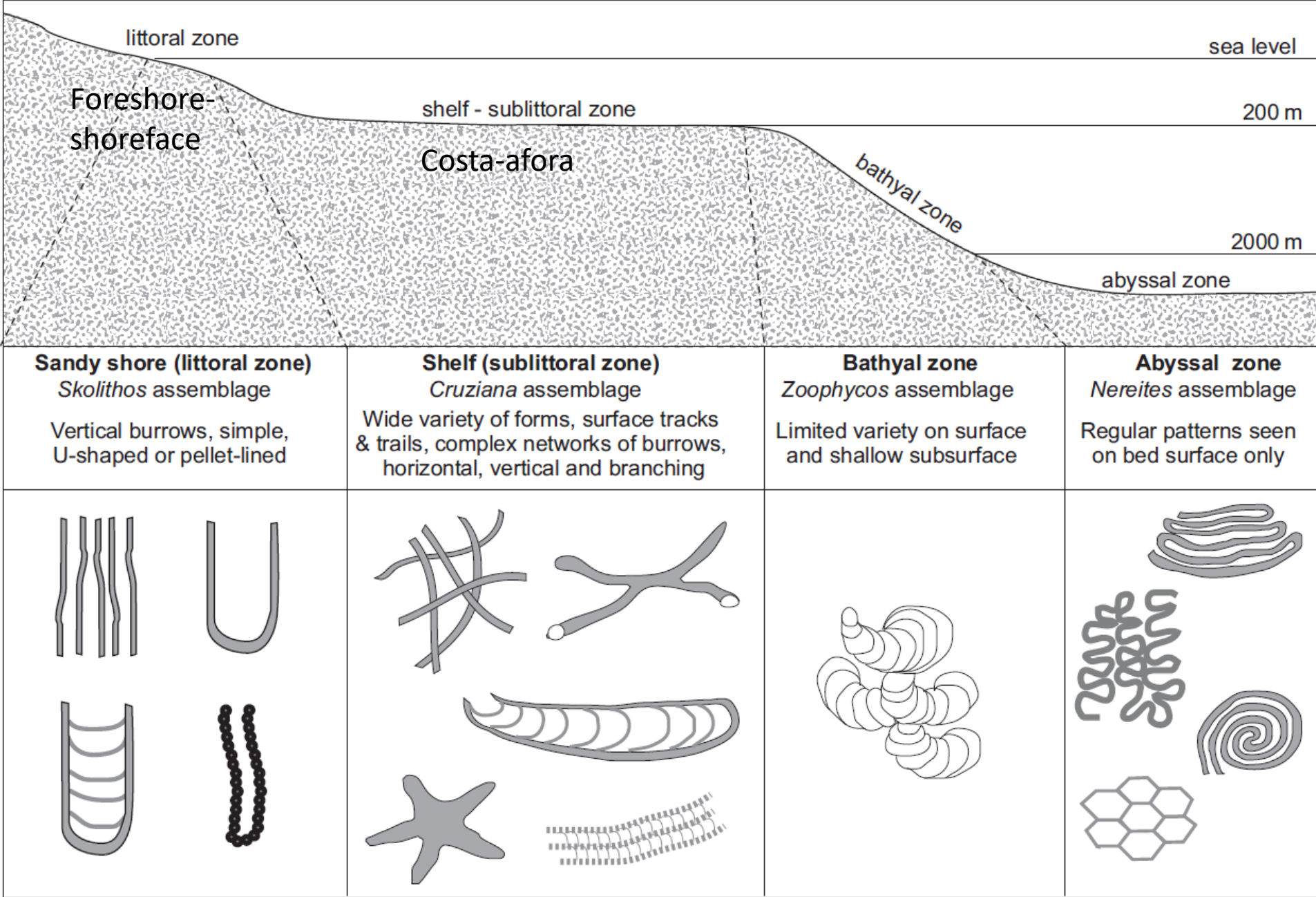


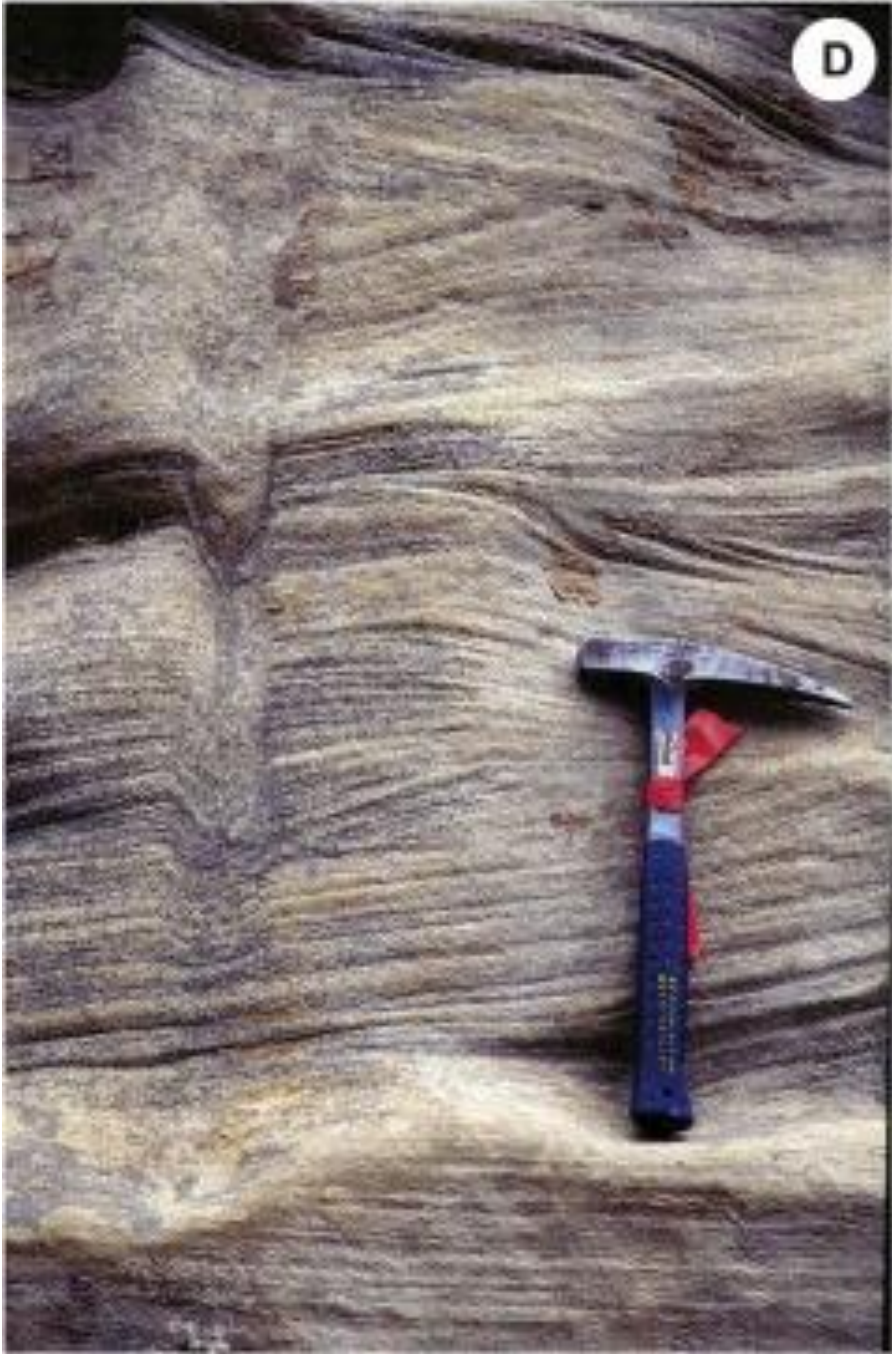
wave ripple cross-lamination

laminae dip in both directions in the same layer



Ícnofósseis e batimetria





Nereites

