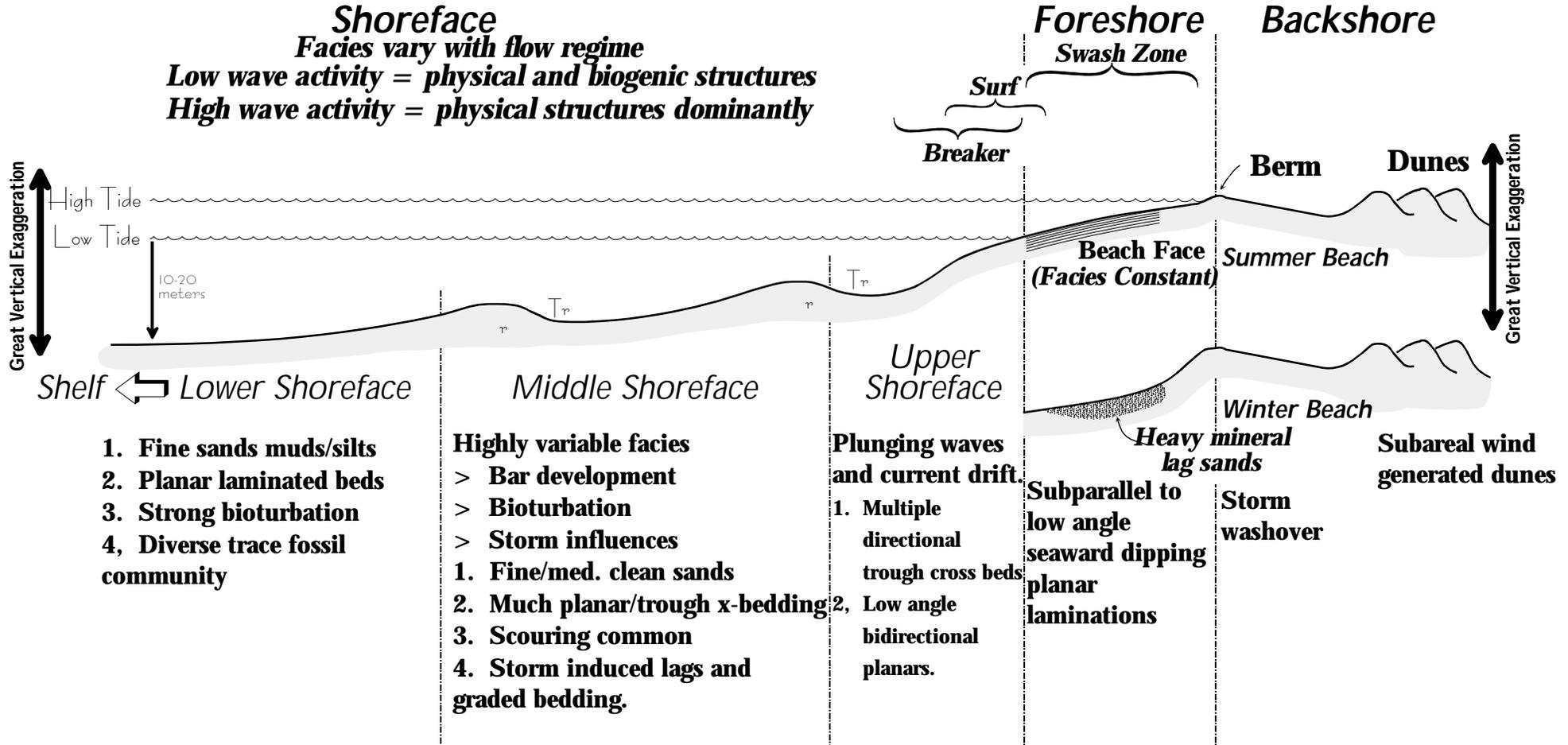


BEACH/BARRIER ISLAND DEPOSITIONAL SYSTEMS

Shoreface
Facies vary with flow regime
Low wave activity = physical and biogenic structures
High wave activity = physical structures dominantly



1. Fine sands muds/silts
2. Planar laminated beds
3. Strong bioturbation
4. Diverse trace fossil community

Highly variable facies
 > Bar development
 > Bioturbation
 > Storm influences

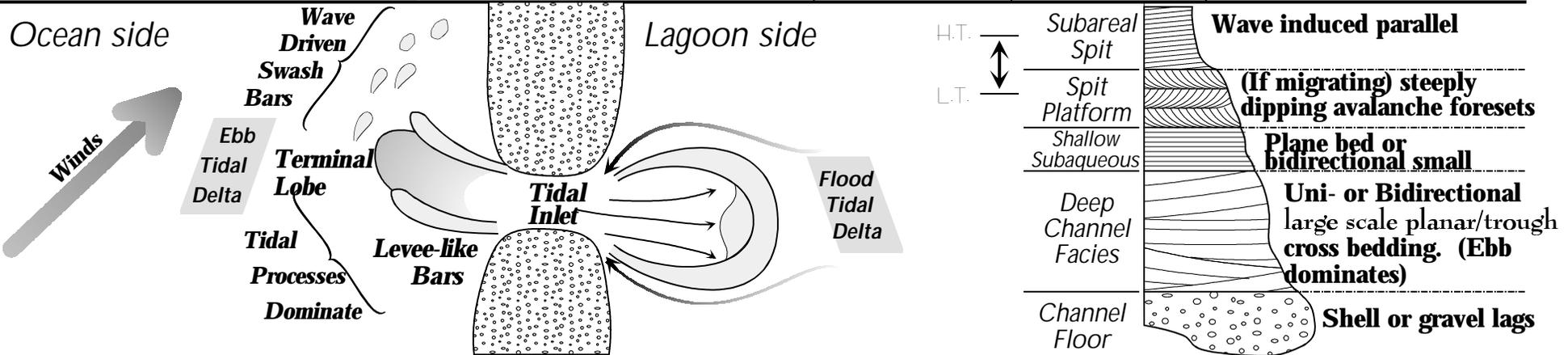
1. Fine/med. clean sands
2. Much planar/trough x-bedding
3. Scouring common
4. Storm induced lags and graded bedding.

Plunging waves and current drift.
 1. Multiple directional trough cross beds
 2. Low angle bidirectional planars.

Subparallel to low angle seaward dipping planar laminations

Storm washover

Subareal wind generated dunes



Wave induced parallel

(If migrating) steeply dipping avalanche foresets

Plane bed or bidirectional small

Uni- or Bidirectional large scale planar/trough cross bedding. (Ebb dominates)

Shell or gravel lags

Subareal Spit
 Spit Platform
 Shallow Subaqueous
 Deep Channel Facies
 Channel Floor