

Physical forcing of ice on intertidal mussel beds

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Mussel bed covered with ice



Before



1327405152.Tue Jan 24 11:39:12 UTC 2012.panorama2.c1.snap.jpg f:0004 pht:155.0° -26.0° 1.0x:22.5m ws:4.15m/s wd:272.2° lr=244.32 W.m^-2



After

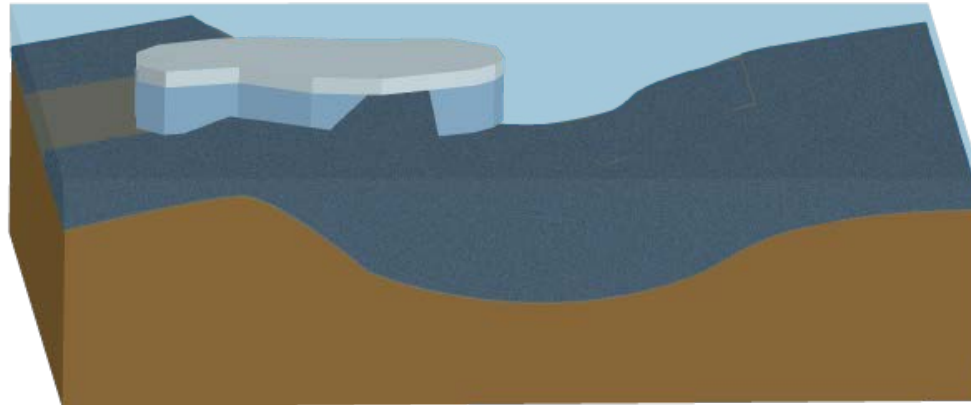


1331203752_Thu_Mar_08_10_49_12LUTC_2012_hanoram2.c1.snap.jpg_1000x_1000px_155°C_26.0°_1.0x_22.5m_ws_8.32m/s_wd_289.2°_lr=927.87_W.m*2



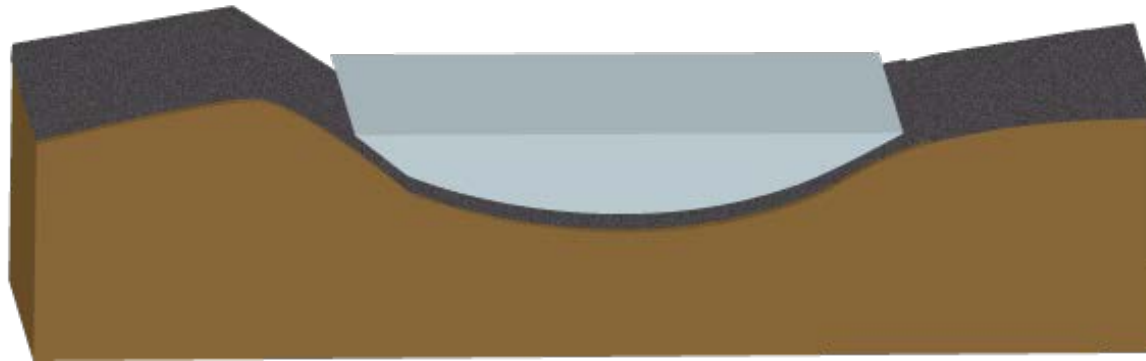
Determine processes

- Ice drift



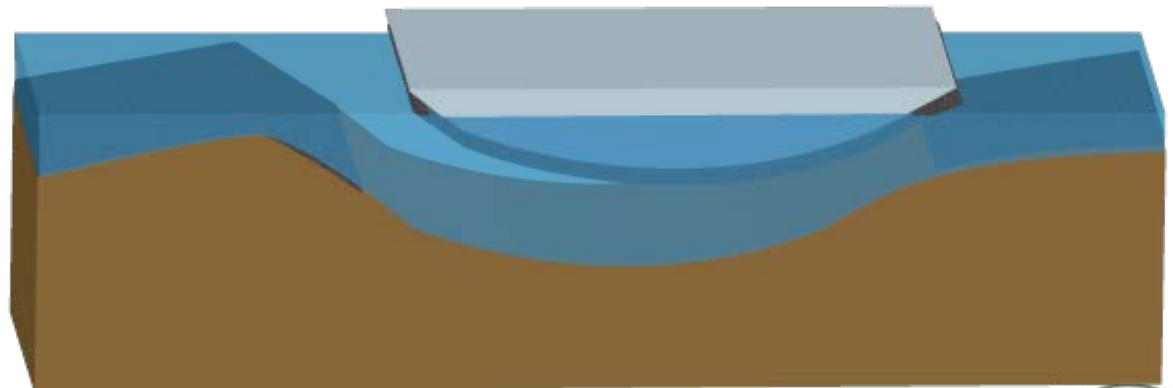
Which processes

Buoyancy



Water freezes
in ponds

Picked up by
Water



Exposure

- Drifting ice
 - Higher areas
 - Drift Tracks
- Buoyancy
 - Mussels in ponds
 - Height of eroded area gives an indication of dominant processes.

