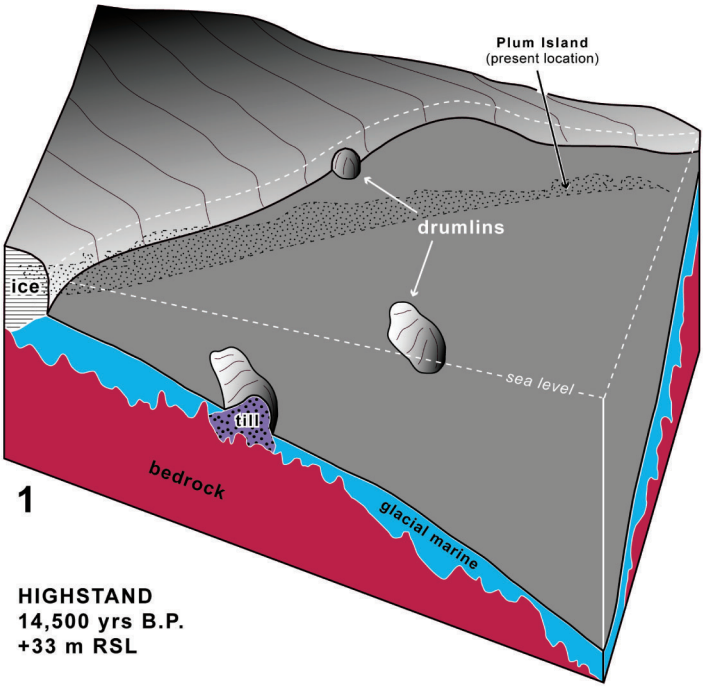
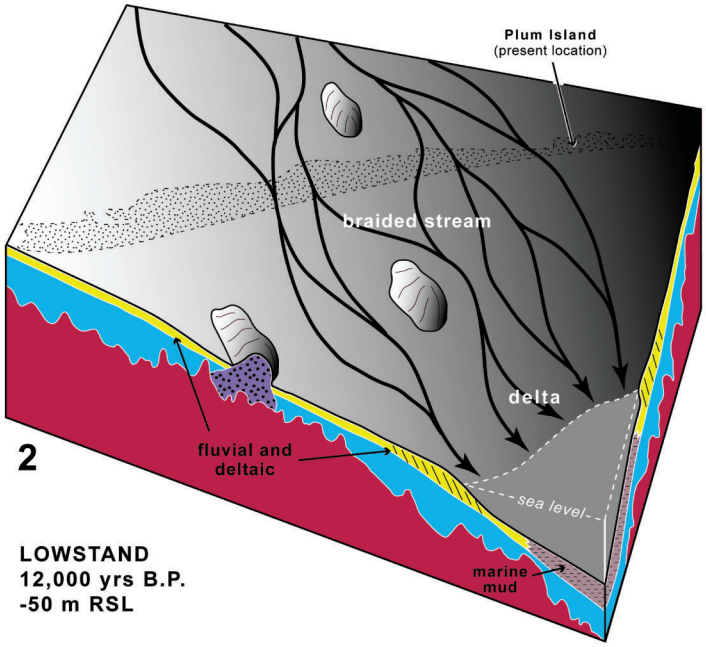
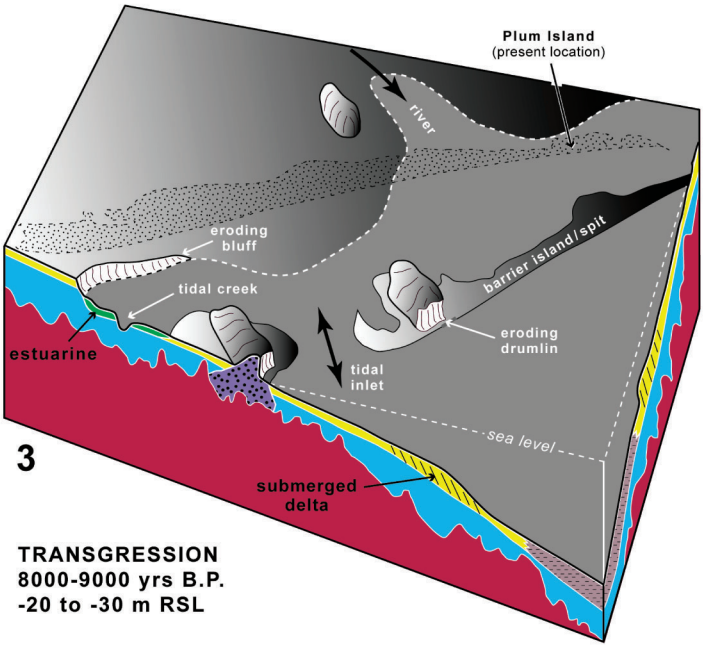
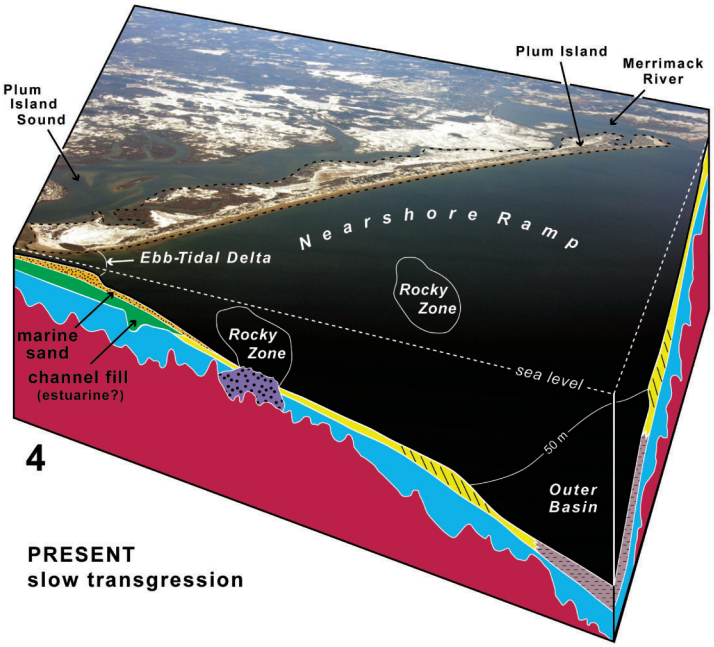

Plum Island
(present location)
drumlins
ice
sea level
till
bedrock
glacial marine
1
HIGHSTAND
14,500 yrs B.P.
+33 m RSL


Plum Island
(present location)
braided stream
delta
fluvial and
deltaic
sea level
marine
mud
2
LOWSTAND
12,000 yrs B.P.
-50 m RSL


Plum Island
(present location)
river
eroding
bluff
tidal creek
barrier island/spit
eroding
drumlin
estuarine
tidal
inlet
sea level
submerged
delta
3
TRANSGRESSION
8000-9000 yrs B.P.
-20 to -30 m RSL


Plum Island
Merrimack
River
Plum
Island
Sound
Nearshore Ramp
Ebb-Tidal Delta
Rocky
Zone
Rocky
Zone
marine
sand
channel fill
(estuarine?)
sea level
50 m
Outer
Basin
4
PRESENT
slow transgression