

Geological / Geomorphological Processes in the Great Bay Estuary

<b>PROCESS</b>	<b>TIMESCALE</b>	<b>SPATIAL SCALE</b>
Metamorphism	345 -- 600 million years ago	Regional
Faulting	345 -- 600 mya	Piscataqua River
Marine clay sedimentation	12,000 -- 8,000 years ago	Seacoast NH
Estuary sedimentation	8,000 yrs ago -- present	Estuary floor
Sea Level changes	8,000 yrs ago -- present, also daily	Estuary system
Glaciation	10K -- 20K yrs ago	Continental
Seasonal ice causing erosion	Annual	Tidal flats and estuary shoreline