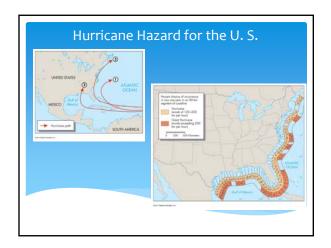
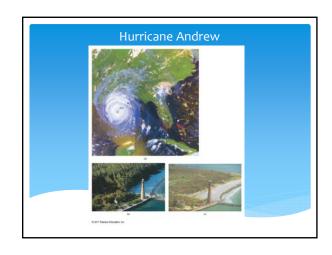


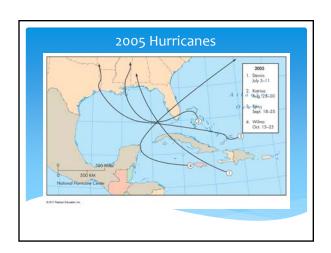


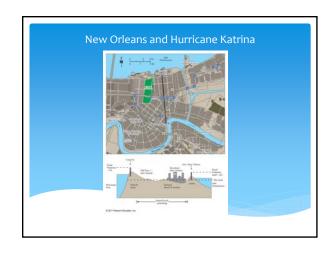
Hurricanes begin as tropical disturbances that under the right conditions will gain energy from evaporating warm water (latent heat). If the wind speeds increase to at least 39 mph the system becomes a named tropical storm. Tropical cyclones with winds over 73 mph are hurricanes.











New Orleans and Hurricane Katrina

Why was Katrina so bad?

There was no fall back flood protection (system had no redundancy).

Katrina exceeded the design criteria of the structures.

Regional subsidence was greater than appreciated; flood protection not adjusted to account for subsidence.

Flood control plan not adjusted to new realities.

Greatest flooding occurred in certain areas – led to more deaths amongst poor and elderly.

Loss of protection of coastal marshes due to human interference with the natural deposititional systems.

Parts of the system have been repaired and improved since 2005.

