

BAE 495 – Applications of Ecological Engineering

Due April 17

Homework #6:

1. Describe at least four factors that explain why wetland soils are usually anaerobic.
2. Describe by both a drawing and a text the possible fate of nitrogen (up to the ammonium form) originally contained in a wetland plant
3. Describe by both a drawing and a text the nitrification/denitrification mechanism at the sediment water interface. Make sure to add the direction of the gradients of ammonium, nitrate and oxygen on the drawing.
4. Describe the vegetation of a salt marsh.