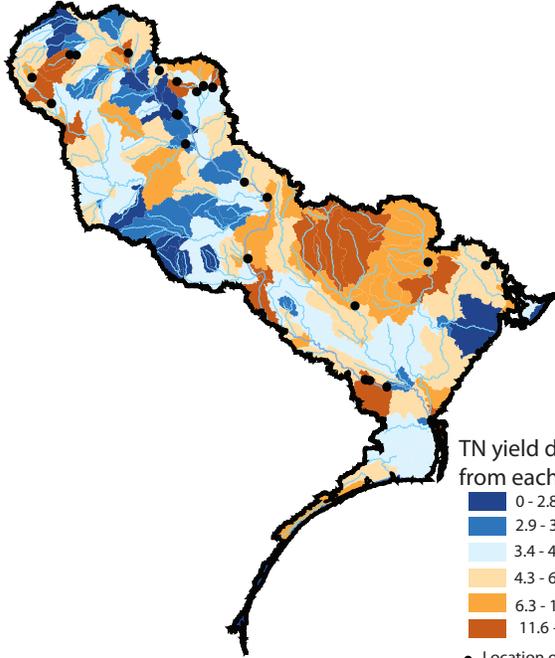


SPARROW Model Estimates of Nitrogen Delivered to Streams and Coastal Areas in the Cape Fear Estuary, Long Bay, and New River Estuary

Which areas contribute the largest amounts of total nitrogen annually:

to local streams?

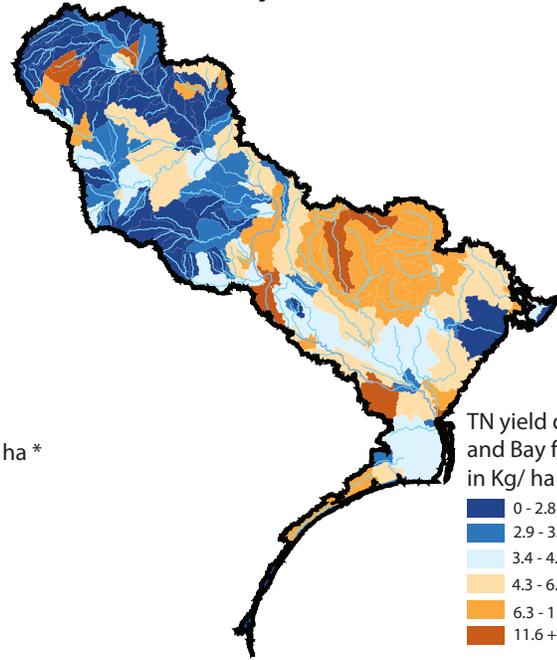
to the Cape Fear Estuary, Long Bay and New River Estuary?



TN yield delivered to stream from each catchment, in Kg/ ha *

- 0 - 2.8
- 2.9 - 3.3
- 3.4 - 4.2
- 4.3 - 6.2
- 6.3 - 11.5
- 11.6 +

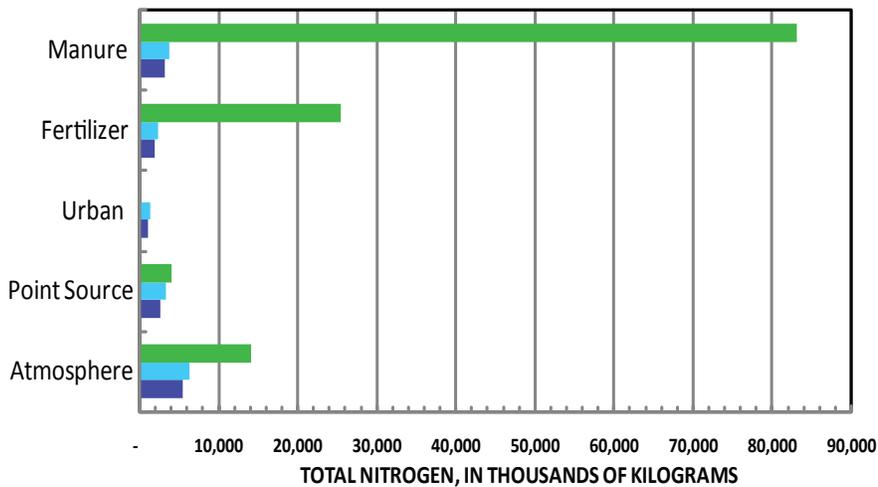
● Location of monitoring site with nitrogen load estimate, 2002



TN yield delivered to the Estuaries and Bay from each catchment, in Kg/ ha

- 0 - 2.8
- 2.9 - 3.3
- 3.4 - 4.2
- 4.3 - 6.2
- 6.3 - 11.5
- 11.6 +

What sources contribute the largest amounts of total nitrogen annually to the Cape Fear Estuary, Long Bay, and New River Estuary?



- Total Nitrogen inputs to Basin
- Total Nitrogen load delivered to Stream
- Total Nitrogen load delivered to Estuaries/Bay

(Note: Atmospheric Deposition is reported as Inorganic Nitrogen, Atmospheric Deposition and Wastewater Discharge estimates include inputs to stream and shoreline reaches, not direct inputs to Estuaries/Bay)