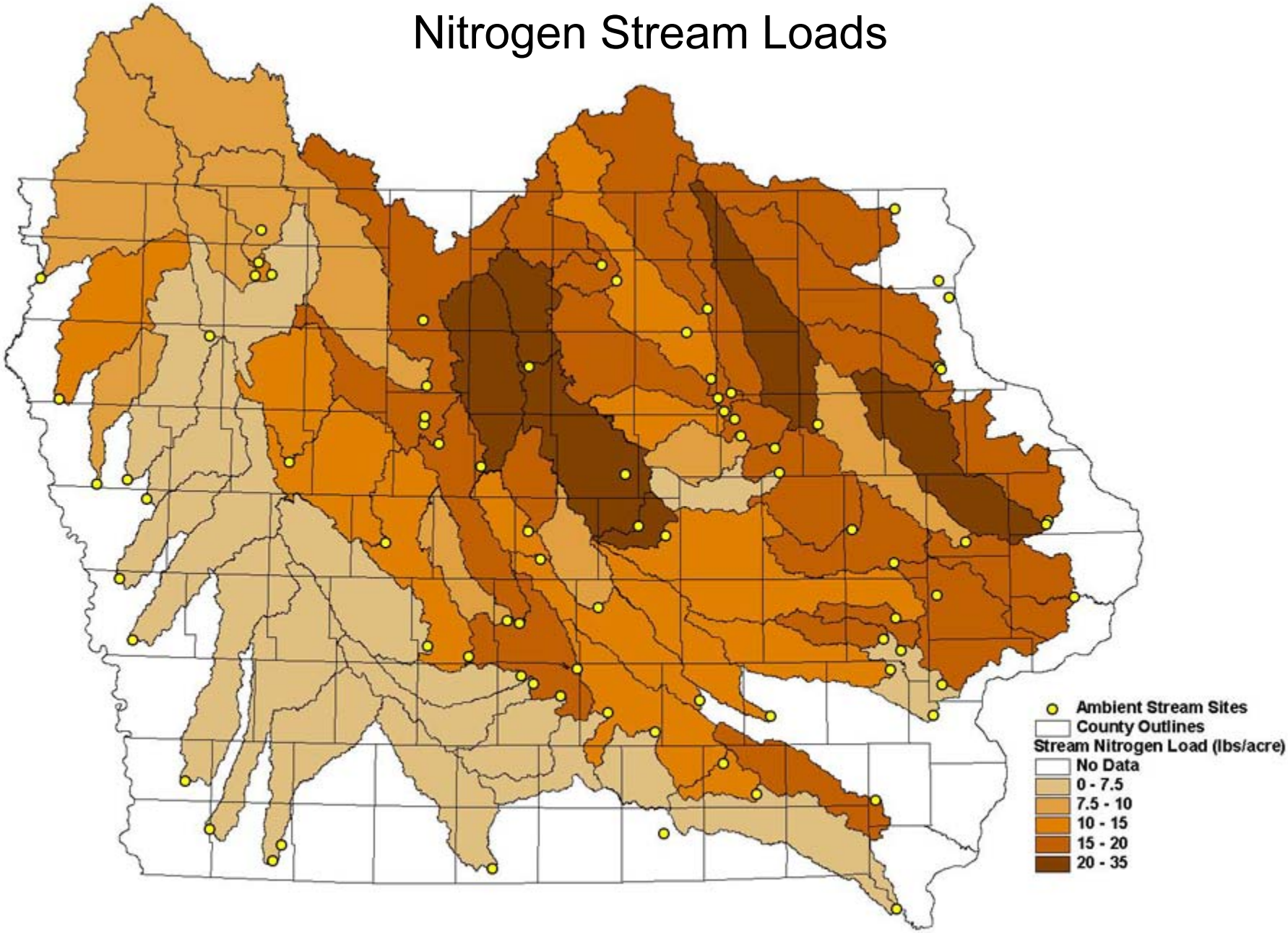Nitrogen Stream Loads