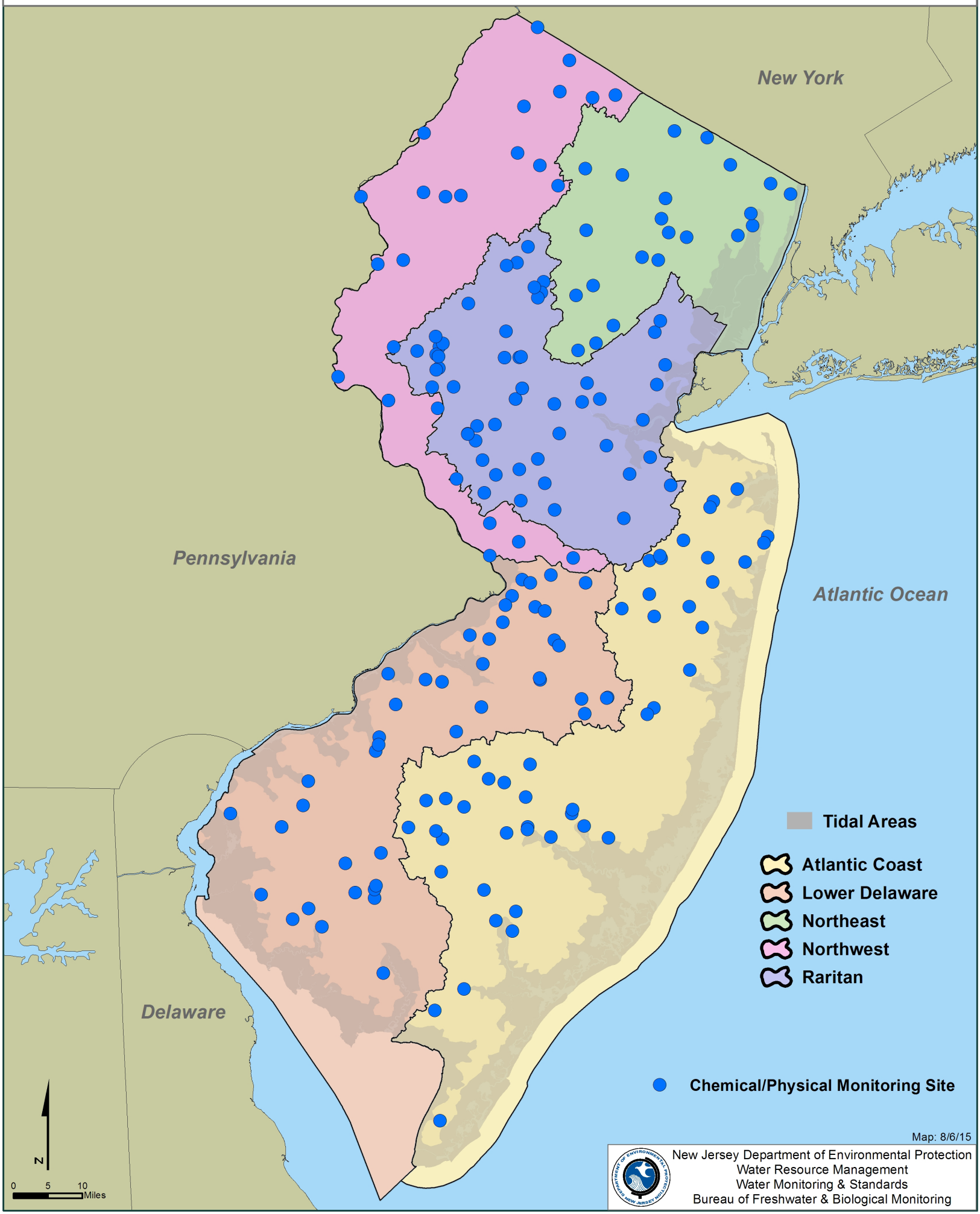Rivers and Streams Physical/Chemical Networks