It is difficult to predict the spread of west Nile virus in the future because the mosquito vector that carries the virus, is affected mainly by temperature and precipitation. However, it is believed that areas where the virus is already present, the virus could intensify if the precipitation and temperature increase due to global warming. The areas in black are probably areas of expansion of West Nile virus.

Material extracted from the CDC website. For more information see http://www.cdc.gov/ncidod/dvbid/westnile/background.htm