

Mosquito pools of WNV-infected mosquitoes – August 2004

Week 31st

Week 32nd

Week 33rd

Week 34th

(Elevation) + (Slope) + (NDVI) + (Land Use) + (Temperature) + (Precipitation)

GIS-driven Mahalanobis Distance Statistics for four weeks

P-value maps of likely habitats of WNV-infected mosquitoes
[for 31st, 32nd, 33rd, 34th week of 2004]

Habitats highly suitable → P-value = 0.9 – 1.0

Habitats moderately suitable → P-value = 0.5 – 0.89

Model validation

Intersection of each P-value map based on Mahalanobis Distance
Statistic (threshold of P-value ≥ 0.9)

Analysis of the population residing within
WNV high risk tracts