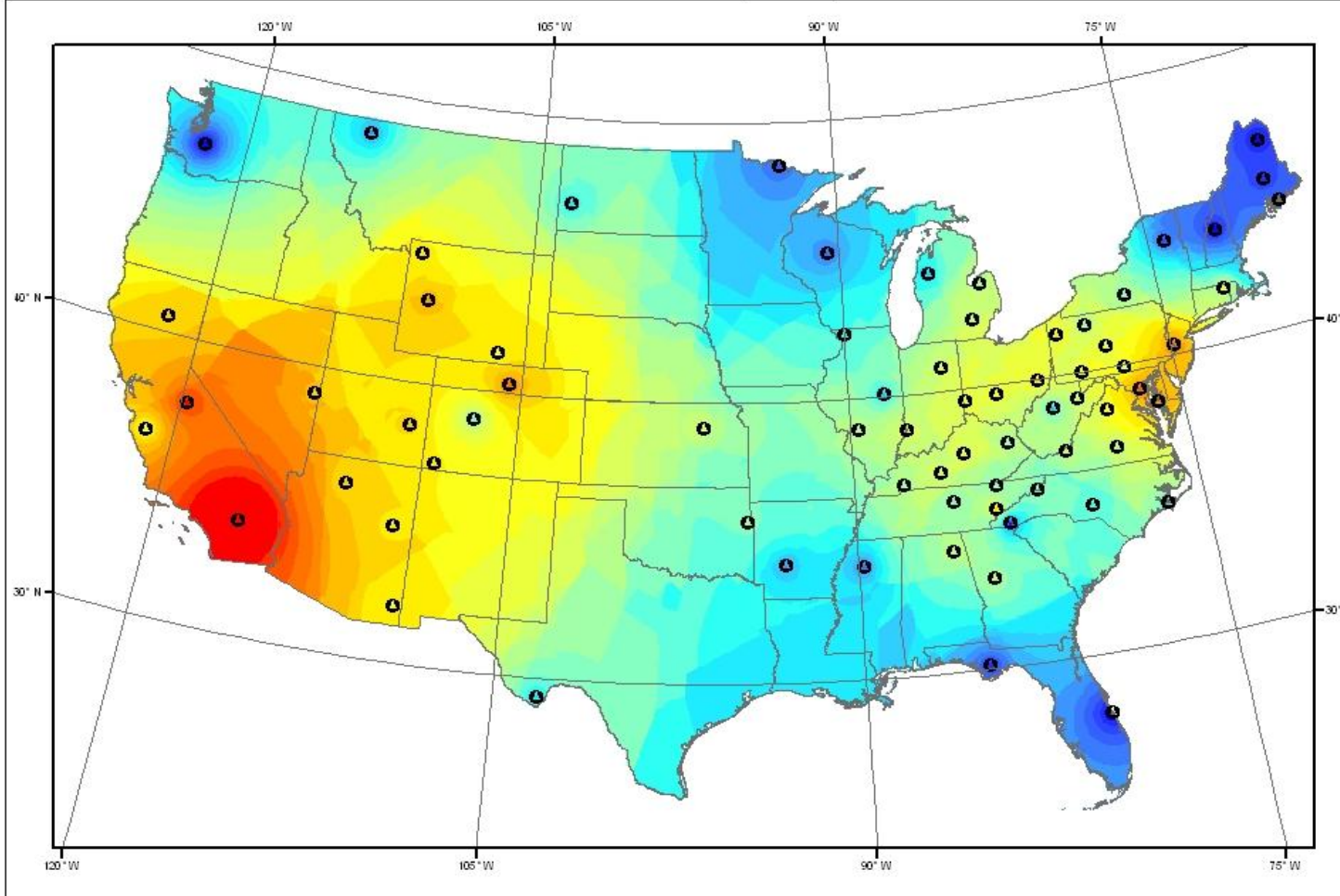
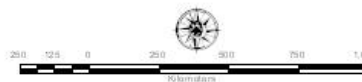
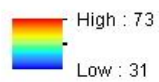


Average Ozone Concentration for 2010
for the Ozone Activity Envelope



Ozone Concentration in PPB



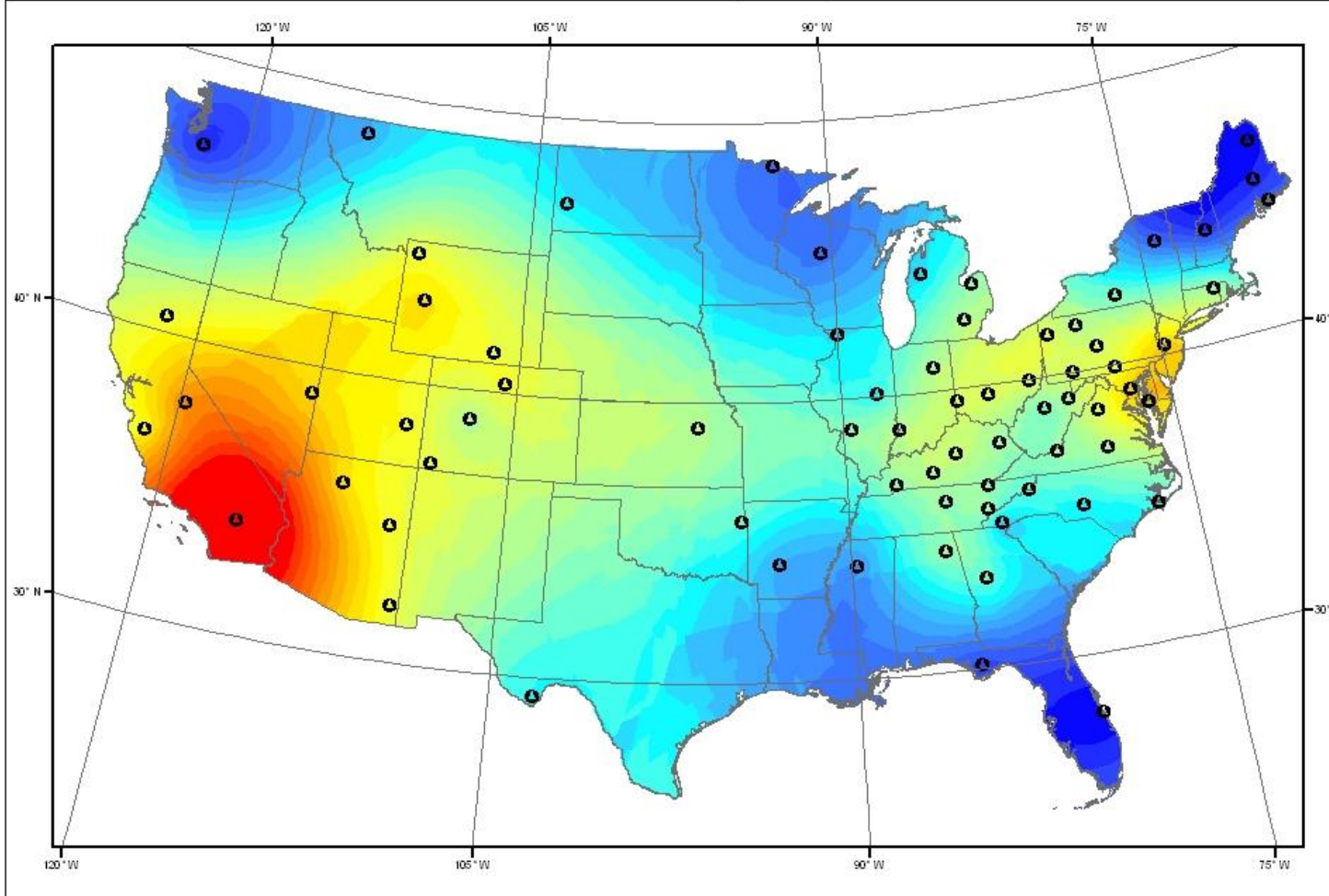
Inverse Weighted Parameters:
Nearest Neighbors: 8
Power = 1
n = 73

Date: 9/8/2013
Document Name: 02_2010_Inv_09
Map produced by: M. T. M., ERDC Consultants, LLC
<http://www.ericdconsultants.com>

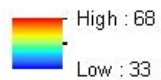


Ozone modeled using IDW and 8 nearest neighbors, a power of 1, and the number of sample points = 73.

Average Ozone Concentration for 2010
for the Ozone Activity Envelope



Ozone Concentration in PPB



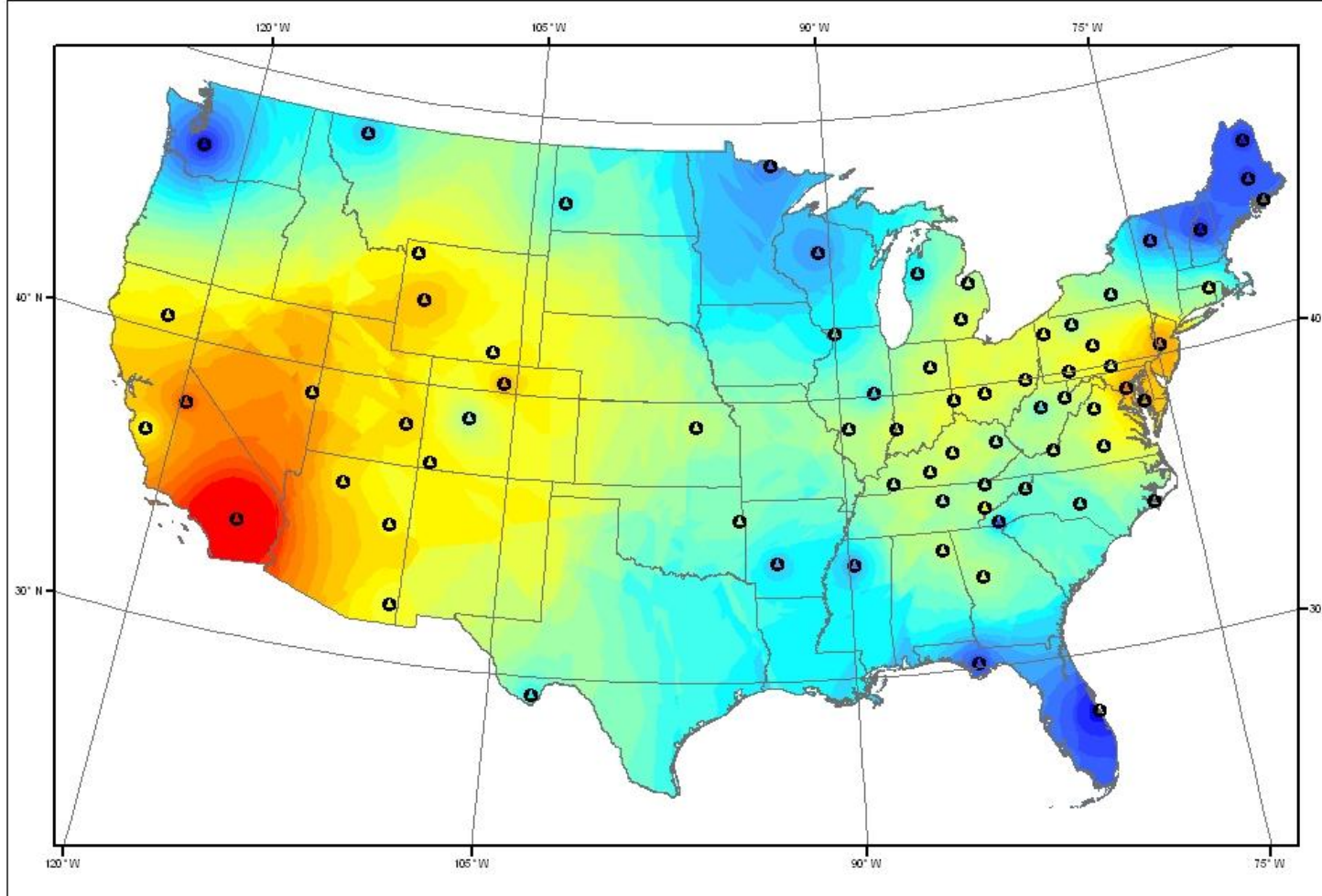
Ordinary Kriging Parameters:
Nearest Neighbors: 10
Function: Gaussian
Nugget: 13.6
Sill: 52.3
Range: 1,100,000
n = 73

Date: 9/9/2013
Document Name: oz_2010_krig_oe
Map produced by M. T. M., EPA Consultants, LLC
<http://www.epaconsultants.com>



Ordinary Kriging, nearest neighbors is 10, function is Gaussian, Nugget is 13.6, Sill is 52.3, Range is 1,100,000 meters, and sample size is 73.

Ozone Values Created from GLM with Residuals Year 2010



Residual Ozone Values in PPB

High : 73
Low : 31



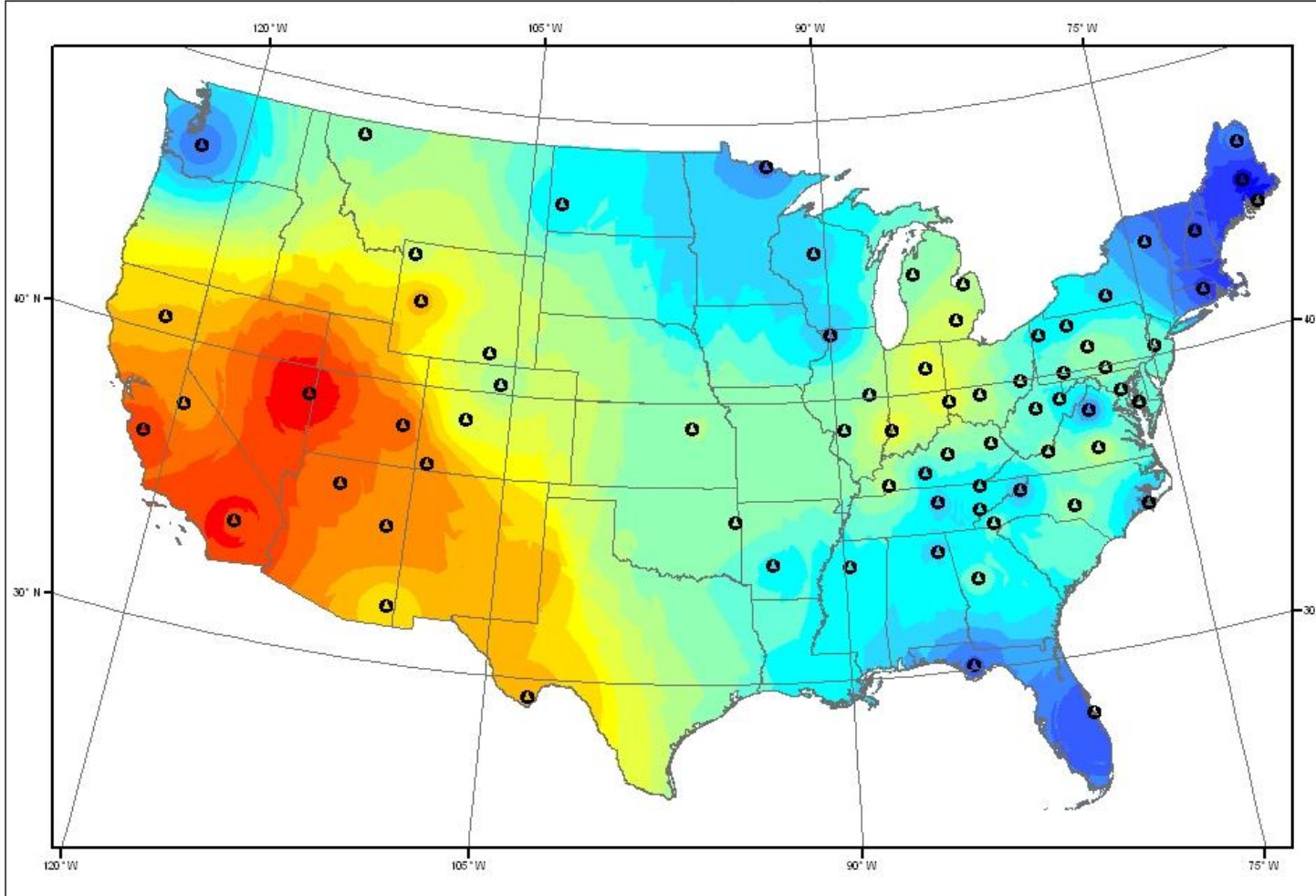
GLM Equations
 $OZ_{Predicted} = 45.35127 + (Solar\ Radiation * 0.03320) + (Relative\ Humidity * -0.23473) + (Residuals)$

n = 73

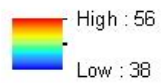
Date: 9/30/2013
Document Name: oz_2010_glm_with_resid_2010
Map produced by M. Tully, ERIA Consultants, LLC
<http://www.eriaconsultants.com>

GLM used to model the large scale variability and the residuals from the GLM were used to model the small scale variability. IDW was used to model the small scale variability. Variables used in the GLM were Solar Radiation and Relative Humidity. Sample size is 73.

Average Ozone Concentration for 2010
for the Ozone Activity Envelope



Ozone Concentration in PPB



WR
Variables use were RH and SR
Used Adaptive Bandwidth CV
R-squared = 0.37
n = 73

Date: 9/15/2013
Document Name: 05_2010_gwr_cv_0ae
Map produced by M. T. Hill, EPIA Consultants, LLC
<http://www.epiaconsultants.com>

GWR used Solar Radiation and Relative Humidity. The processed used adaptive bandwidth with the CV method.