APPENDIX B – INDICATOR VARIOGRAMS







FIGURE 2: VERTICAL VARIOGRAM FOR SILTY CLAYEY SAND (SC-SM) **TWIN PINES MINERALS**

ST. GEORGE, CHARLTON COUNTY, GEORGIA





Maximum Correlation Length = 33.6 Feet, Variance = 0.0723, Nugget Variance = 0. Fit with Spherical Variogram Model.



FIGURE 4: VERTICAL VARIOGRAM FOR CLAYEY SAND (SC) TWIN PINES MINERALS ST. GEORGE, CHARLTON COUNTY, GEORGIA



A)



Maximum Correlation Length = 7.2 Feet, Variance = 0.084, Nugget Variance = 0. Fit with Exponential Variogram Model.



FIGURE 6: VERTICAL VARIOGRAM FOR SEMI-CONSOLIDATED SAND TWIN PINES MINERALS ST. GEORGE, CHARLTON COUNTY, GEORGIA





ST. GEORGE, CHARLTON COUNTY, GEORGIA

APPROX. SCALE:







FIGURE 10: VERTICAL VARIOGRAM FOR UNCONSOLIDATED SAND TWIN PINES MINERALS ST. GEORGE, CHARLTON COUNTY, GEORGIA





Maximum Correlation Length = 20.4 Feet, Variance = 0.040, Nugget = 0. Fit with Exponential Variogram Model.



FIGURE 12: VERTICAL VARIOGRAM FOR CLAY TWIN PINES MINERALS

ST. GEORGE, CHARLTON COUNTY, GEORGIA





Maximum Correlation Length = 18 Feet, Variance = 0.053, Nugget Variance = 0.01. Fit with Exponential Variogram Model.



FIGURE 14: VERTICAL VARIOGRAM FOR CONSOLIDATED SAND TWIN PINES MINERALS ST. GEORGE, CHARLTON COUNTY, GEORGIA