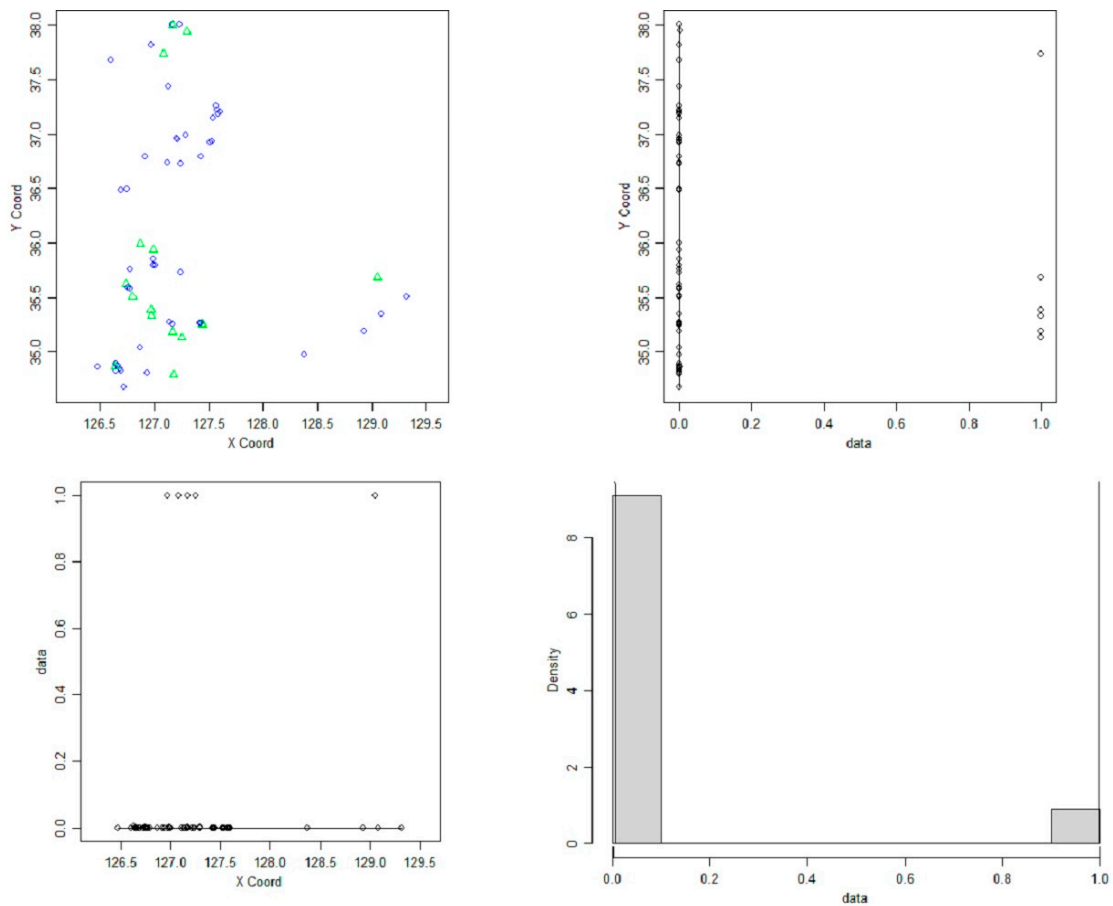


Supplementary Figure 1. Shows the the trend in the point prevalence data



Supplementary Table S1. Summary of spherical variogram model to best fit the data

summary(VarioMod_sph)	
\$pmethod	
[1] "WLS (weighted least squares)"	
\$cov.model	
[1] "spherical"	
\$spatial.component	
sigmasq	phi
0.07330318	0.20875158
\$spatial.component.extra	
kappa	
0.5	
\$nugget.component	
tausq	
0.009230274	

\$fix.nugget
[1] FALSE
\$fix.kappa
[1] TRUE
\$practicalRange
[1] 0.2087516
\$sum.of.squares
value
2.745433
\$estimated.pars
tausq sigmasq phi
0.009230274 0.073303184 0.208751579
\$weights
[1] "npairs"
\$call
variofit(vario = Vario, cov.model = "sph")
attr(,"class")
[1] "summary.variomodel"

Supplementary Table S2. Summary of Exponential variogram model

summary(VarioMod_exp)
\$pmethod
[1] "WLS (weighted least squares)"
\$cov.model
[1] "exponential"
\$spatial.component
sigmasq phi
0.0788204422 0.0007487053
\$spatial.component.extra
kappa
0.5
\$nugget.component
tausq
0
\$fix.nugget
[1] FALSE
\$fix.kappa
[1] TRUE
\$practicalRange
[1] 0.00223611
\$sum.of.squares
value
3.047481
\$estimated.pars

tausq	sigmasq	phi
0.0000000000	0.0788204422	0.0007487053
\$weights		
[1] "npairs"		
\$call		
variofit(vario = Vario, cov.model = "exp")		
attr(,"class")		
[1] "summary.variomodel"		