Layer Name	Layer Description	Used in previous analyses
avg_rough_30	average surface roughness	Х
agp_250	annual growth potential	X
alley_30 annual_precip	alley annual precipitation	
aspect_30	direction of slope face	Х
barren_30	barren land	
bd_ss2_st_30	same as bulk density	X
bdrock_ss2_st	depth to bedrock	X
bike_pat_30 dem_30	bike path elevation	х
eastness_30	degree to which slope faces east	X
grass_herb_30	grassland/herbaceous cover	
imperv_30	percent impervious surfaces	
lat_gcs_30	latitude	
local_ro_30 lon_gcs_30	ocal roads longitude	
m2_01_precip	avg. precip (Jan)	
m2_01tmin	minimum temp (Jan)	
m2_02_precip	avg. precip (Feb)	
m2_02tmax	max temp (Feb)	
m2_02tmean m2_02tmin	mean temp (Feb) min temp (Feb)	
m2_03_precip	avg. precip (Mar)	
m2_03tmax	max temp (Mar)	
m2_03tmean	mean temp (Mar)	
m2_03tmin	min temp (Mar)	
m2_04_precip	avg. precip (Apr)	
m2_04tmax m2_04tmean	max temp (Apr) mean temp (Apr)	
m2 04tmin	min temp (Apr)	
m2_05_precip	avg. precip (May)	
m2_05tmax	max temp (May)	
m2_05tmean	mean temp (May)	
m2_05tmin m2_06_precip	min temp (May) avg. precip (Jun)	
m2_06tmax	max temp (Jun)	
m2_06tmean	mean temp (Jun)	
m2_06tmin	min temp (Jun)	
m2_07_precip	avg. precip (Jul)	
m2_07tmax m2_07tmean	max temp (Jul) mean temp (Jul)	
m2_07tmin	min temp (Jul)	
m2_08_precip	avg. precip (Aug)	
m2_08tmax	max temp (Aug)	
m2_08tmean	mean temp (Aug)	
m2_08tmin m2_09_precip	min temp (Aug) avg. precip (Sept)	
m2_09tmax	max temp (Sept)	
m2_09tmean	mean temp (Sept)	
m2_09tmin	min temp (Sept)	
m2_10_precip	avg. precip (Oct)	
m2_10tmax m2_10tmean	max temp (Oct) mean temp (Oct)	
m2_10tmean	min temp (Oct)	
m2_11_precip	avg. precip (Nov)	
m2_11tmax	max temp (Nov)	
m2_11tmean	mean temp (Nov)	
m2_11tmin	min temp (Nov)	
_	ava precip (Doo)	
m2_12_precip	avg. precip (Dec)	
m2_12_precip m2_12tmax	avg. precip (Dec) max temp (Dec) mean temp (Dec)	
m2_12_precip	max temp (Dec)	
m2_12_precip m2_12tmax m2_12tmean m2_12tmin m2_ann_precip	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip	x
m2_12_precip m2_12tmax m2_12tmean m2_12tmin m2_ann_precip m2_anntmax	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp	X
m2_12_precip m2_12tmax m2_12tmean m2_12tmin m2_ann_precip m2_anntmax m2_anntmean	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann_precip m2 anntmax m2 anntmean m2 anntmin	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual max temp avg. annual mean temp	X
m2_12_precip m2_12tmax m2_12tmean m2_12tmin m2_ann_precip m2_anntmax m2_anntmean	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp	x
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmean m2 anntmin nlcd 30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type	
m2_12_precip m2_12tmax m2_12tmean m2_12tmin m2_ann_precip m2_anntmax m2_anntmean m2_anntmin m1canntmin m1cannt	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual max temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntman m2 anntmean m2 anntmean m2 anntmin nlcd 30 northness 30 parking 30 pedestri 30 pr ss2 st	max temp (Dec) mean temp (Dec) men temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks	
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmax m2 anntman m2 anntmin nled 30 northness 30 parking 30 pedestri 30 pr ss2 st primary 30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmin m1 anntmin m1 anntmin m2 anntmin m2 anntmin m3 anntmin m6 30 parking 30 parking 30 predestri 30 pr ss2 st primary 30 private 30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmax m2 anntman m2 anntmean m3 anntma m6 30 northness 30 parking 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads	X
m2_12_precip m2_12Imax m2_12Imean m2_12Imean m2_12Imin m2_ann_precip m2_anntmax m2_anntmax m2_anntman m2_anntmin nlcd_30 northness_30 parking_30 pedestri_30 pr_ss2_st primary_30 private_30 ramps_30 road_30 secondar_30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads nighway ramps euclidean distance to nearest road secondary roads	X
m2 12 precip m2 12tmax m2 12tman m2 12tmen m2 12tmin m2 ann precip m2 anntmax m2 anntmin nlod 30 northness 30 parking 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30 road 30 secondar 30 service 30	max temp (Dec) mean temp (Dec) min temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads highway ramps eucildean distance to nearest road secondary roads service roads	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmax m2 anntmax m3 anntma m3 anntma m4 anntma m5 anntma m6 30 northness 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30 road 30 seecondar 30 service 30 shrub 30	max temp (Dec) mean temp (Dec) mean temp (Dec) avg. annual precip avg. annual mean temp avg. annual mean temp avg. annual mean temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads highway ramps euclidean distance to nearest road secondary roads service road shrub cover	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntman m2 anntmean m2 anntmean m3 anntmean m6 anntmean m9 anntmin nlcd 30 northness 30 parking 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30 road 30 secondar 30 secondar 30 service 30 shrub 30 slope 30	max temp (Dec) mean temp (Dec) mean temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual mean temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks priwate roads private roads private roads ucidean distance to nearest road secondary roads service road shrub cover inclination of landscape in degrees	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmax m2 anntmax m3 anntma m3 anntma m4 anntma m5 anntma m6 30 northness 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30 road 30 seecondar 30 service 30 shrub 30	max temp (Dec) mean temp (Dec) mean temp (Dec) avg. annual precip avg. annual mean temp avg. annual mean temp avg. annual mean temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads highway ramps euclidean distance to nearest road secondary roads service road shrub cover	X
m2 12 precip m2 12tmax m2 12tmean m2 12tmin m2 ann precip m2 anntmax m2 anntmax m2 anntmin nlod 30 northness 30 parking 30 pedestri 30 pr ss2 st primary 30 private 30 ramps 30 road 30 service 30 service 30 shrub, 30 surfarea 30	max temp (Dec) mean temp (Dec) min temp (Dec) avg. annual precip avg. annual max temp avg. annual mean temp avg. annual min temp land cover type degree to which slope faces north parking lot road pedestrian trails percent rocks primary roads private roads nighway ramps euclidean distance to nearest road secondary roads service road shrub cover inclination of landscape in degrees surface area of a grid cell	X