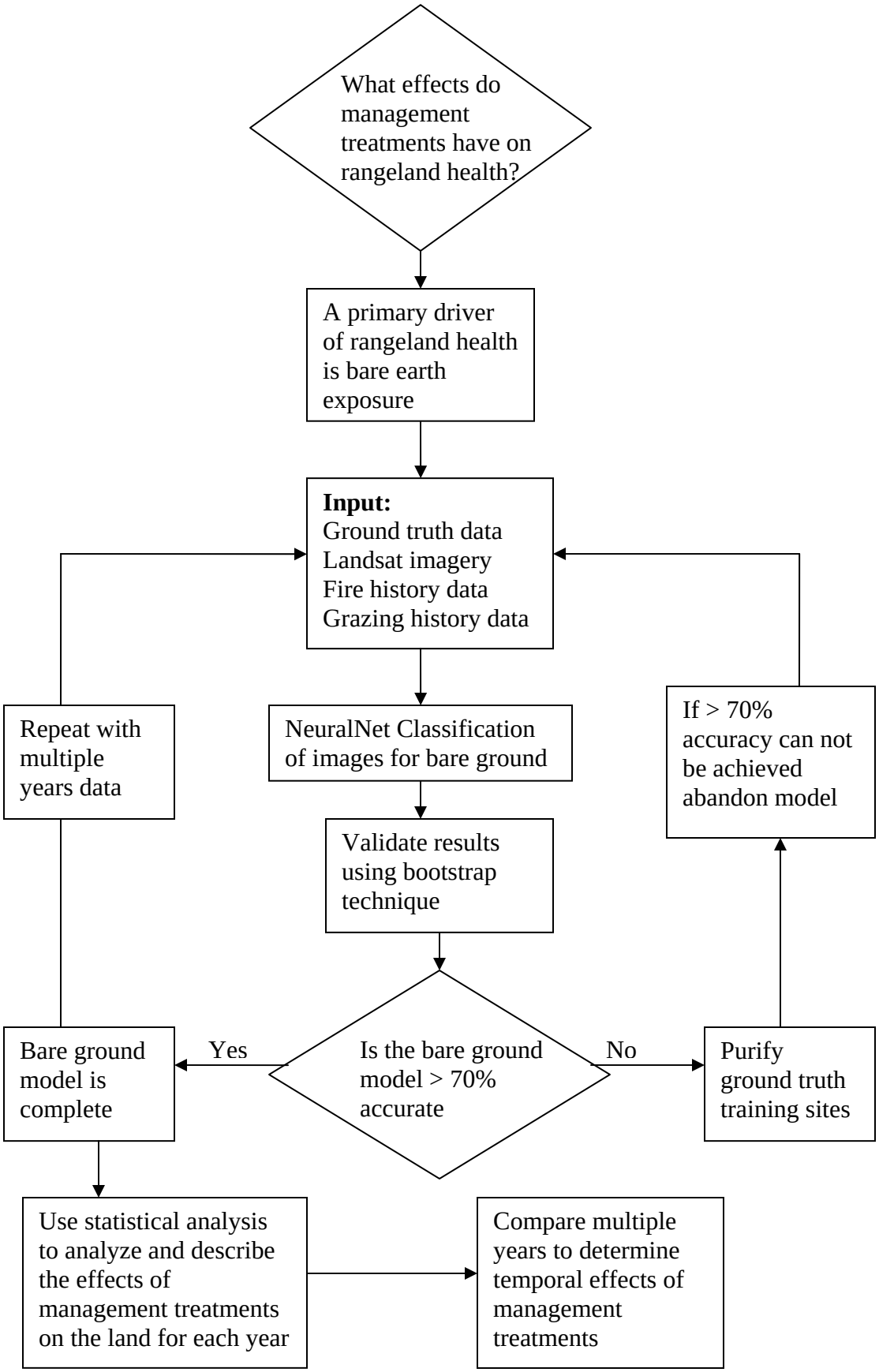
What effects do management treatments have on rangeland health?
A primary driver of rangeland health is bare earth exposure
Input:
Ground truth data
Landsat imagery
Fire history data
Grazing history data
Repeat with multiple years data
NeuralNet Classification of images for bare ground
If > 70% accuracy can not be achieved abandon model
Validate results using bootstrap technique
Bare ground model is complete
Yes
Is the bare ground model > 70% accurate
No
Purify ground truth training sites
Use statistical analysis to analyze and describe the effects of management treatments on the land for each year
Compare multiple years to determine temporal effects of management treatments