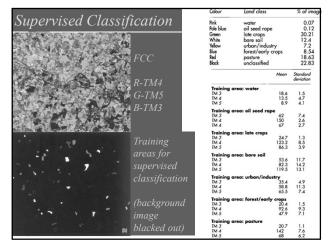
Multispectral Classification

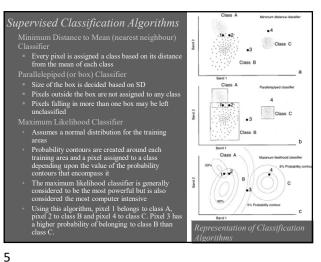
Prof. D. Nagesh Kumar

Dept. of Civil Engg. IISc, Bangalore - 560 012, India URL: http://www.civil.iisc.ernet.in/~nagesh

2 1



3



Supervised Classification

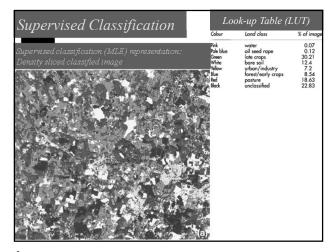
A sufficient number of pixels for each surface class must be delineated in order

The training areas for any one class should not be concentrated in one part of the image but should encompass the entire scene. The histograms for training areas should be unimodal and confirm to a normal distribution (Campbell 1996)

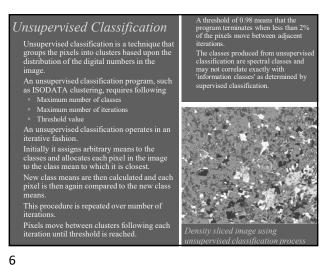
The training areas should be as separate and uniquely representative as possible, otherwise a substantial Overlap between classes may occur and pixels will be

they may have similar reflectance characteristics in the bands that are being classified. In such a situation it may be preferable to merge the training sites and consider them as a single class.

Only three bands were used in the example though in practice more bands are usually employed.



4



1